CREDIT APPLICATION

(please print)

Billing Information

Name | Phone | Fax

Company | E-mail

Street

City | State | Zip

Ship To Information

(if different from above)

Name

Company ❑ Commercial ❑ Residential

Street

City | State | Zip

Ownership

❑ Individual ❑ Partnership ❑ Corporation ❑ Other, explain _____

Principals

Name | Address | City, State, Zip

Federal I.D. Number

Years in Business

Customer Special Conditions

(circle your choice)

1. PO required? yes no
2. Monthly statements? yes no
   If yes, do you want: ❑ Email ❑ Fax ❑ Mail
   If no, you will only receive invoice. How do you want to receive your invoice? ❑ Email ❑ Fax ❑ Mail
3. Print prices on packing slip? yes no
   (not recommended for those using our drop ship program)
4. Require fax or email acknowledgments on all orders. yes no
5. Print your part # on packing slip? yes no
6. Designate orders to:
   a. ship complete / no back orders
   b. ship complete unless otherwise specified
   c. ship partials / ship back orders complete
   d. ship partials / ship back orders as they come in

Bank Reference

Bank Name | Address

Type of Account | Account # | Bank Officer's Name | Phone

Vendor Reference

Company | Fax

Street | Phone | E-Mail

City | State | Zip

Company | Fax

Street | Phone | E-Mail

City | State | Zip

Company | Fax

Street | Phone | E-Mail

City | State | Zip

Company | Fax

Street | Phone | E-Mail

City | State | Zip

I the undersigned confirm that all information given in this application is true and correct to the best of my knowledge. I understand that terms on all purchases are net 30 days. If this application is approved, I recognize that I/we will be responsible for any attorney's fees and/or costs incurred in the collection of any unpaid balance.

Signature | Date

TABLE OF CONTENTS

Sash Support Systems 7-141

Overview of Balances 7-12
Window Balance Identification Display 13
57 Series Balance and Accessories 14
58 Series Balance and Accessories 15
60 Series Balance and Accessories 16-29
60A and 60AX Series Balances and Accessories 30-31
60P Series Balances and Accessories 32
60G Series Balances and Accessories 33-37
60I Series Balances and Accessories 38-42
61 Series Balances and Accessories 43-44
61AP Series Balances and Accessories 45-50
61TI Series Inverted Tilt Balance and Accessories 51
62 Series Balances 52-53
62A Series Balances 54-55
62 Series Accessories 56-59
62-716 Series Balance 60
62-766 Series Balance 61
62-716 & 62-766 Series Accessories 62-63
Soudal Adhesive Sealant 63
Spray-X Foaming Glass Cleaner 63
62DV Series Balances and Accessories 64
62FC Series Balances and Accessories 65-66
62G Series Balances and Accessories 67
62R Series Balances and Accessories 68
62S Series Balances and Accessories 69-70
62V Series Balances and Accessories 71
62W Series Balances and Accessories 72
64 Series Balances and Accessories 73
64-841 Series Balances and Accessories 74
64B Series Balances and Accessories 75
64T Series Balances and Accessories 76
70 Series Balances and Accessories 77-80
72 Series Balances and Accessories 81-82
74 Series Balances and Accessories 83-84
75 Series Balances and Accessories 85
76 Series Balances and Accessories 86-88
78A Series Balances and Accessories 89
80 Series Balances and Accessories 90
80A Series Balances and Accessories 91
80B Series Balances and Accessories 92
80SL Series Balances and Accessories 93
83 Series Balances and Accessories 94-96
83-P Series Balances and Accessories 97
84 Series 5/8" Pneu-Lift Tilt Assembly 98
84S Series Short 5/8" Pneu-Lift Tilt Assembly 99
85 Series Balances 100
85M Series Balances 101
85-P Series Balances 102
85Z Series Balances 103
85 Series Accessories 104-115
88L Series Balances and Accessories 116-117
88LL & 88SL Series Balances and Accessories 117
89 Series Balances and Accessories 118
901 Series Crossbow Balance 119
960SP Series Crossbow Balance 120
909A Series Crossbow Balance 121
Balance Tools and Accessories 122
Tape Balances 123
Perma-Shield Narrowline Window Balances 124
Omega Constant Force Balance System 125
96BT Series Constant Force Balance and Accessories 125
96BG Series Constant Force Balance and Accessories 126
96BU Series Constant Force Balance and Accessories 127
96-C Series Coiled Balance Springs and Accessories 128
96CQ Series Quick Tilt Constant Force Balances 129-130
96CR Series Roller Tilt Constant Force Balance Systems 131
96M Series Constant Force Balance Systems 132
Introduction to Vinyl Jambliners 133
Jambliner Worksheet 134
Tilt Jambliners with Block and Tackle Balances 135-136
Heavy Duty Magnum Jambliners 137
Sash Preparation Instructions for Magnum Jambliners 138
How to Install Tilt Jambliners 138
Tilt Jambliners 139
Non-Tilt Jambliners 140
86 Series Non-Tilt Boston Style Jambliners 141

Architectural Hardware 142-147

Sash Locks 142
Lifts and Pulls 143
Brass/Steel Pulleys 143-144
Polysash Pulleys 144
Sash Chain 144
Sash Cord and Accessories 145
Sash Counterweights 145
Accessories 145
Spring Bolts and Miscellaneous Items 145
Vent Locks and Accessories 145-146
Casement Hardware 146-147
Screen Hardware 147
Parting Beads/Brush Seals/Weatherstrip 147
Mini Groover 147
Hinges 147

Window Replacement Hardware 148-277

Sweep Locks & Sash Locks 148-156
Double Hung Latch 156
Window Keepers 156-161
Slide Lock 161
Spring Type Latches 161-163
Extruded Sash Handles and Lifts 163-165
Sash Lifts 165-167
Limit Locks and Accessories 167
Tilt Latch Sweep Lock 167
Window Opening Control Devices (WOCD) 167-172
Vent Locks 173
Sash Restricter Assembly Kits 173
Sliding Window Rollers 174-182
Weep Covers 182
Sliding Window Wheels 183-184
Storm Cam Latch 184
Slider Guides 184-186
Pivot Shoe, Slide Bolt & Anti-Rattle Plug 186
Guide Buttons 186
Angles/Corners 186
Miscellaneous 187
Fasteners 187
Project-out Cam Handles 187-193
Project-in Handles 193-194
Casement Handles 194-196
Casement Locks 197
Multi-Point Locks 197-99
Spring Catches 199
Custodial/Vent Locks 199-200
Removable Handle Keys 201
Project-in, Project-out Casement Keepers and Strikes 201-203
Face Mounted Casement Operators 204-210
Greenhouse Operators 210
Sill Mounted Casement Operators 211-225
Lever Operators 226
Motorized Operators and Accessories 226-229
Manual Skylight Operators and Accessories 230-231
Rear Mount Awning Operator 232
Clerestory Window Wands 232
Face Mounted Awning Operators 233
Sill Mounted Awning Operators 234-237
Mill Finish Awning Operators-Miami Type 238
Jalousie Operators 239
Awning and Jalousie Accessories 239-241
Aluminum Awning Window Torque Bar Assemblies 242
Torque Bar Arms 242-243
Casement and Awning Operator Brackets 244-246
Fenestrator 246
Operator Covers 246-247
Crank Handles 247-251
Push Bars 251-252
Vent Arms with Brackets 252
Pressure Shoes, Friction Shoes and Housings 253-254

Continued on next page.

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Continued from previous page.

Casement and Awning Tracks 255-256
Casement and Awning Hinges 256-264
Sash Control Devices 265-266
Top Hung Hinge Assemblies 266
Miscellaneous Operator Hardware 267-269
Finger Latches, Slide Bolts and Slide Bolt Accessories 269-272
Insert Clips 272
Corner Keys & Tilt Keys 273-276
C-Sash Panels and Components 277

RV & Mobile Home Hardware 278-287

Cranks, Knobs, Handles and Extensions 278
Operators and Operator Kits 279-280
E-Rings and Groove Pins 281
Torque Bar Bearings 281-282
Torque Bar Arms 282
Link Arms 282
Torque Bars 282
Vent Hinges 283
Window Latches, Sash Locks and Lever Latches 283-284
Push Bar Assembly 284
Metal Spring 284
Jalousie Operators and Handles 284
Trailer Latch 284
Insect Screening 285
Screen Spline and Installation Tool 285
Screen Corners 285
Clips 285
Lavatory & Tub Stoppers 285
RV Plan-O-Gram 286
RV Window Handle Counter Display 286

Window Glazing & Weatherstripping 288-309

Snap-In Vinyl Glazing Beads 288-295
Tracks 295
Muntin Bars 296
Plunger and Muntin Clips 296
Grille Pins 296
Window Grille Kit 296
Metal Glazing Bead 296-298
Vinyl Glazing Spline 298
Vinyl Glazing Channels 299
U-Channels 299
Perimeter Seals 299
Glazing Spline with Flexible Fin 299
Leaf Weatherseals 300
Foam "T" Slot Weatherseals 300
Weatherstrip 300-302
Adhesive Backed Foam Door Seals 302
Nail-Up Foam Door Seals 302
Door Sweeps 302-303
Foam Door Seals 303
Neoprene Sponge Gasket 303
E-Lon Foam Door Seals 304
Skirting Weatherseal 305
Glazing Clips 305
Adhesive Foam Weatherstripping Tape 305
Foam Corner Seals 305
Magnetic Weatherstrip Replacement for Steel Doors 305
E.Z.D. Glazing Tool 305
Entraseal Door Astragal Seals 306
Gray Replacement Fin Weatherstripping 306
Weatherstripping with Adhesive Backing 306
Miscellaneous 306
Edgetech Super Spacer 306
Soudal Adhesive Sealant 307
Caulking Applicators 307
PU Foams and Foam Guns 308
Cleaners 308
Glass Cutter 309
Vinyl Glazing Bead Identification Ring 309
Spray-X Foaming Glass Cleaner 309
Private Label Spray-X Foaming Glass Cleaner 309

Screening Hardware 310-343

Custom Made Roll Form Window Screen Order Form 310
Custom Made Roll Form Window Screen Frames and Accessories 311-314
Custom Made Extruded Window Screen Order Form 315
Custom Made Extruded Window Screen Frames and Accessories 315-317
Screen Frames 318-319
Screen Wire and Screen Cloth 320-322
Screen Spline 323-324
Vinyl Atragal 324
Tension Springs 324
Wire Loop Latches 324
Screen Clips 324-326
Muntin Clip 326
Glazing Clip 326
Retainer Clip 326
Pivot Post 326
Hangers 326
Latches 326-327
Fixed Pins 327
Cross Brace Insert 327
Screen Corners 327-329
Grille Fastener 329
Lifts and Pull Tabs 329
Spring Plungers 330-331
Friction Hangers 331
Latch Set 331
Screen Latch Handle & Finger 331
Guide Insert 331
Warning Label 331
Pet Screen Door 331
Screen Shield 331
Automatic Screen Door Closer 331
Extruded Aluminum Wicket & Hopper Screen Order Form 332
Custom Made Extruded Aluminum Screen w/Plastic Wicket Order Form 333
Plastic Hinged Wickets Only 333
Custom Made Patio Screen Door Order Form 334
Custom Patio Screen Doors 335-340
Steel Multi-Fit Patio Screen Doors 341
Top Hung System for Top Rolling Application 342
Screen Tools 343

Patio Door Hardware 344-387

Sliding Door Roller Assembly Identification Selector 344
Precision Bearing Roller Assemblies 345-346
Glass Door Roller Assemblies 347-354
Screen Door Roller Assemblies 354-358
Wheels 358
Sliding Glass and Screen Door Keepers 359
Patio Door Handles 360-375
Screen Door Handles 376-377
Latch Assemblies 377-378
Patio Door Screw Hole Cover 378
Screen Door Guides 378-379
Roller Assembly 379
Head Spacer 379
Bug Flaps 379
Fixed Panel Bracket 379
Fixed Patio Door Clip 379
Patio Door Bumpers 379
Anti-Lift 380
Anti-Rattle Guides 380
Security Hardware and Patio Door Locks 380-382
Key Cylinders 382
Mortise Locks 382-384
Keepers 385
Latches 386
Corner Brackets 386
Lock Bars 386
Repair Tracks 387
Charley-Bar Sliding Glass Door Lock & Accessories 387
Automatic Screen Door Closer 387

Swing Door Hardware 388-434

Hoppe Single Design Theme Handles 388-389
Hoppe Swing Door Handle Sets & Accessories 390-399
Hoppe Profile Cylinders and Rekeying Kits 400-401
Hoppe Hinges 402-403
Hoppe Multi-Point Locking Systems and Accessories 404-406

Continued on next page.

Continued from previous page.

Hoppe HLS 9000 Multi-Point Hardware Swing Door Questionnaire 405
Hoppe HLS 7 Multi-Point Hardware Swing Door Questionnaire 407
Hoppe HLS 7 Series Replacement Parts 408
G-U Swing Door Handles 409-410
G-U Multi-Point Hardware Swing Door Questionnaire 411-412
G-U Single Point Mortise Locks 412
G-U Swing Door Accessories 413-414
AmesburyTruth Multi-Point Hardware Swing Door Questionnaire 415
AmesburyTruth Single Point Mortise Gear Box & Accessories 416
AmesburyTruth Tru-Lock Multi-Point Conversion Kit for Entry Doors 417
AmesburyTruth Sentry Multi-Point Handle Sets & Accessories 418-419
AmesburyTruth Sentry Multi-Point Swing Door Questionnaire 420
AmesburyTruth Sentry Multi-Point Strikes 421
Andersen Multi-Point System & Accessories 422-423
Ashland Swing Door Handle Sets 424-425
Ashland Adjustable Hinges 426
Ashland Sentinel Multipoint Swing Door Lock System 427-428
Ashland Concealed Multipoint Lock Systems & Accessories 429
Ashland Single & Multipoint Point Mortise Locks 430
Ashland Swing Door Handles 430
Roto Multi-Point Systems & Accessories 430
Milton 2-Point Locksets 430
Eurogroove Stepped Router Bits 430
Hinges 431-432
Miscellaneous Mortise Locks 432-433
Miscellaneous Swing Door Locksets & Accessories 433
Storm Door Handle Set 433
Zinc Bushing Replacement Kit 433
Miscellaneous Handle Sets 434

Closet Door Hardware 435-455

Bi-Fold Closet Door Pin Assemblies 435-438
Bi-Fold Closet Door Caps 439
Bi-Fold Closet Door Springs 439
Bi-Fold Closet Door Accessories 439
Metal Closet Door Pivot Brackets 440
Metal Closet Door Nylon Grommets/Bushings/Bumpers 440-441
Metal Closet Door Plates and Pulls 441
Bi-Fold Door Hinge 441
Closet Door Track 441
Wood Closet Door Plunger Pins, Brackets, Plates and Caps 442-443
Closet Door Rollers 443
Wood Closet Door By-Pass Hangers 444-446
Wood Closet Door Panel Jacket Hangers 446
Wood Closet Door Pivot/Jamb Brackets 446-447
Wood Closet Door Pulls and Knobs 447
Wood Closet Door Floor Guides/Plates 447-448
Pivot Guide, Snuggers, Bumpers 448
Closet Pole Socket 448
Miscellaneous Accessories 448-449
Bi-Fold Repair Bracket 449
Closet Door Savers 449
Bi-Fold Door Track Sets 450
CW Mirror Bi-Pass Door Hardware 450
CW Mirror Bi-Fold Door Hardware 450
E-Z Roll Closet Door Hardware 451-453
Paniflex Closet Door Hardware 453
Floataway Closet Door Hardware 454
Slimfold Closet Door Hardware 454-455

Shower Door Hardware 456-457

Shower Door Rollers and Roller Assemblies 456
Latches 456
Guides 456-457
Bumpers 457
Handles 457
Miscellaneous Accessories 457

Storm Door Hardware 458-464

Knob/Push Pull Latch Sets 458
Push Button Latch Set 458-460
VP Pull Handle Set 460
Locking Handle Set 460
Lever Latch Sets 460-461
Trailer Latch Sets 461
Closers 462-463
Inside Latches 463
Key Locks 463
Panel Clips and Thumb Screws 464
Strikes 464
Shims 464
Hinges 464
Push Button 464
Door Chain 464
Brackets 464
Screen Spline 464

General Door & Builders Hardware 465-466

Entrance Door Closers 465
Door Stops, Bumpers and Silencers 465-466
Retractable Garment Hooks 466
Wall Protectors 466
Door Lock Channels 466
Door Knocker 466
Chain Lock 466
Door Viewers 466

Cabinet Drawer Hardware 467-470

Drawer Track Sets 467
Drawer Inserts 467
Monorail 467
Drawer Slides 467
Drawer Guides and Brackets 467-468
Sockets 468
Rollers 468-469
Hinges 469
Mini Door Struts 469
Cabinet Bumpers 469
Cabinet Shelf Supports and Brackets 469
Latch and Catch 469-470
Handles, Knobs & Pulls 470
Mirror Hardware 470

Mailbox Locks 471

Multi-Cam Mailbox Lock Kits 471
Fixed Cam Mailbox Locks 471
Flat Mailbox Locks 471

Garage Door Handles 471

Toilet Partition Hardware 472-476

Concealed and Surface Mounted Latches 472
Chrome Plated Door Pulls, Hooks and Door Stops 472
Chrome Plated Keepers and Strikes 473
Chrome Plated Wrap Around Gravity Pivot Hinges 473-474
Surface Mounted Gravity Hinges 474
Chrome Plated Wall Brackets 474
Chrome Plated Urinal Brackets 474-475
Replacement Pilaster Shoes 475
Door Inserts 475
Cams, Pintles and Hinge Pins 475-476
Chrome Plated Alcove Clips, Head Rail, End Plugs and Brackets 476
One-Way Screw Remover 476
Chrome Plated Toilet Partition Fasteners 476

Commercial Door/Storefront Hardware 477-486

Mortise Locks 477
Faceplates 477
Push/Pull Paddles 478
Lever Handle 478
Strikes 478
Cylinders/Trim Rings/Collars 479
Flush Bolt 479
Offset Pivots 480-481
Hinges 482
Door Closers 483
Door Stops & Silencers 483
Exit Devices 484-485
Door Pulls 486

Glass Cleaner, Adhesives, Lubricants & Gun Foam 487

Terms & Conditions 488

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NON-TILT SIDE LOAD CHANNEL BALANCES

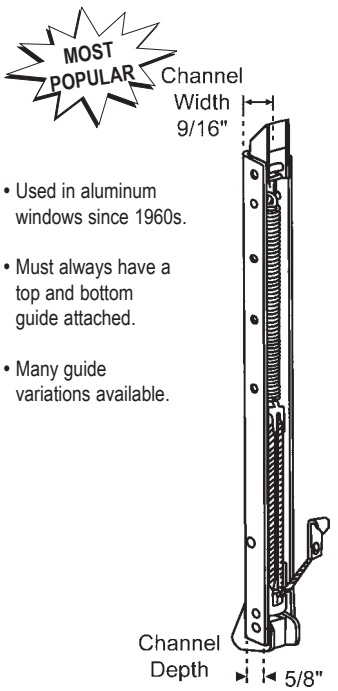
The following overview will help you to locate the channel balances you are looking for. There are three basic classifications:

1. Non-Tilt Balances 2. Tilt Balances 3. Overhead Balances

We have designated each of these classifications and have made additional notes to help you determine your specific requirements.

For more information, see the detailed chart page for each individual series.

60 Series Non-Tilt 5/8"

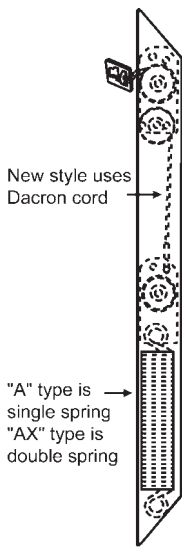


- Used in aluminum windows since 1960s.
- Must always have a top and bottom guide attached.
- Many guide variations available.

See page 16 for chart details.

60A & 60AX Series

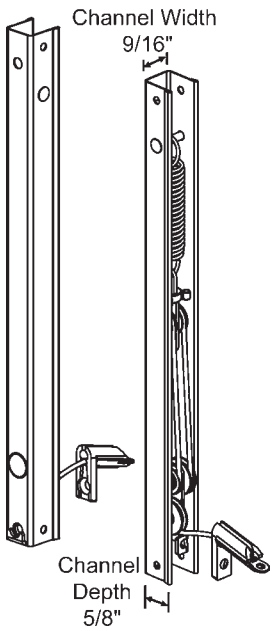
The Invisible Balance



- Mounted in the side of the window sash.
- Used primarily in custom wood windows when jambliners are not acceptable.
- Great for historical renovations.
- Original used wire cable, no longer available.

See pages 30-31 for chart details.

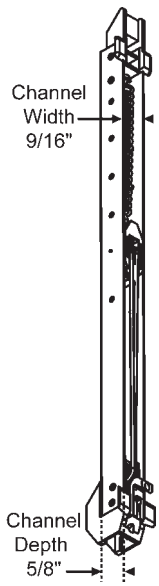
60P Series Non-Tilt



PEACHTREE

See page 32 for chart details.

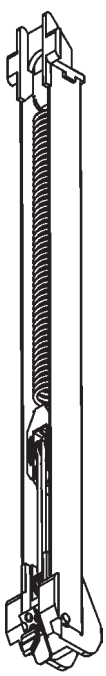
60G Series Non-Tilt



See page 33 for chart details.

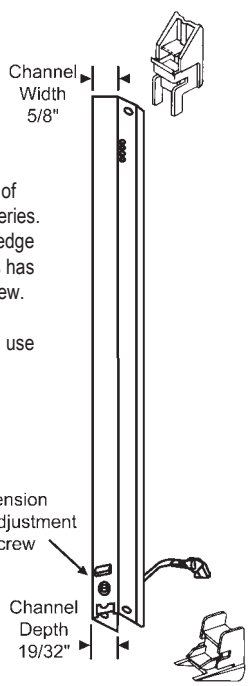
NON-TILT SIDE LOAD CHANNEL BALANCES

60I Series Non-Tilt



See page 38 for chart details.

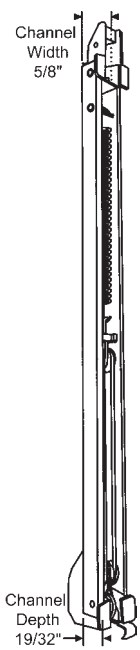
61 Series Non-Tilt



- This is a variation of the original 60 - Series. It has a hemmed edge and in most cases has an adjustment screw.
- In most cases can use 60 - Series.

See page 43 for chart details.

61AP Series Non-Tilt



See page 45 for chart details.

62R Series Non-Tilt

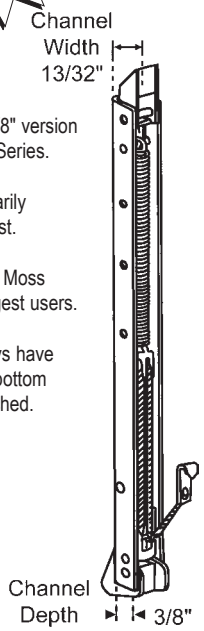
RUSCO
Minimum Order Required

See page 68 for chart details.

NON-TILT SIDE LOAD CHANNEL BALANCES

64 Series Non-Tilt 3/8"

POPULAR

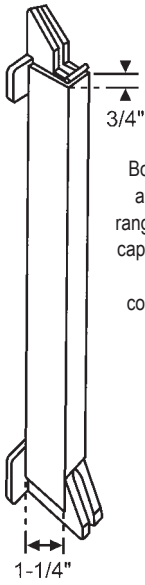


- This is a 3/8" version of our 60- Series.
- Used primarily in Southeast.
- Binnings & Moss were 2 largest users.
- Must always have a top and bottom guide attached.

See page 73 for chart details.

57 Series Non-Tilt

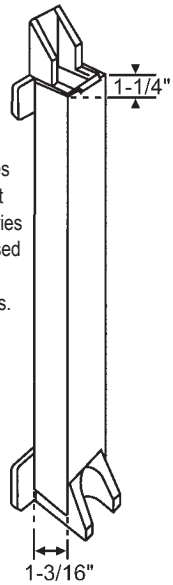
Special Order - Non-Returnable Balance Has 2 Internal Springs



See pages 14 for chart details.

58 Series Non-Tilt

Special Order - Non-Returnable Balance Has 4 Internal Springs



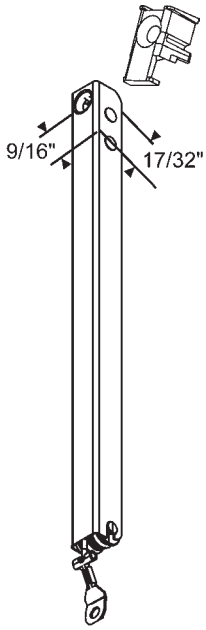
Both 57 & 58- Series are used for weight ranges above 60- series capacity. Primarily used on heavy duty commercial windows.

See pages 15 for chart details.

TILT CHANNEL BALANCES

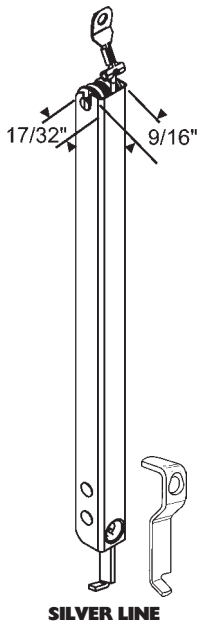
If a window can be tilted in for cleaning and does not have a top and bottom guide attached like our 60- series, you will need one of the balances designated below.

61T Series Tilt



Ask account manager for detailed chart.

61TI Series Tilt



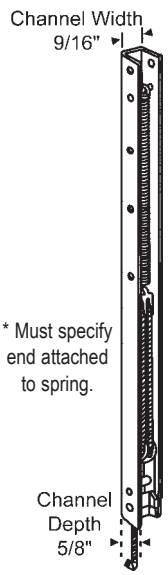
SILVER LINE

See page 51 for chart details.

TILT CHANNEL BALANCES

62 Series Tilt 5/8"

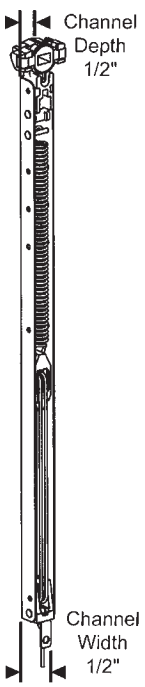
POPULAR



* Must specify end attached to spring.

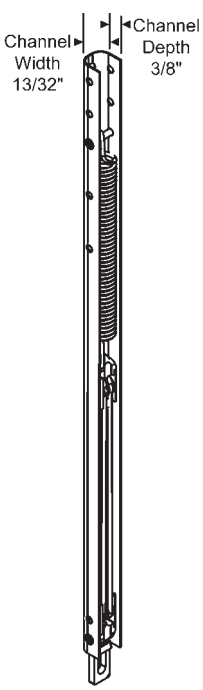
See page 52 for chart details.

62S Series Inverted Tilt 1/2"



See page 69 for chart details.

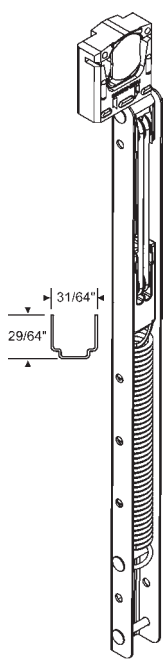
64T Series Tilt 3/8"



See page 76 for chart details.

64B Series

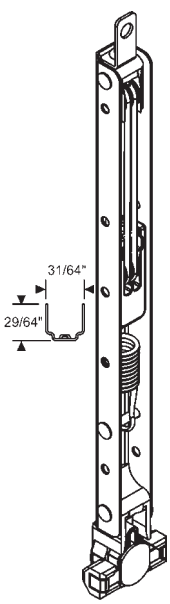
Ribbed Balances



See page 75 for chart details.

64-841 Series

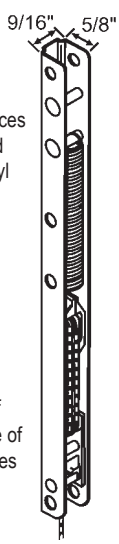
Ribbed Inverted



See page 74 for chart details.

62A Series Tilt

Ribbed Balances



- These balances are designed to fit into vinyl jambliners

End view of channel shape of ribbed balances

See page 55 for chart details.

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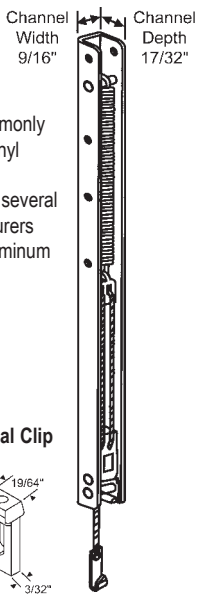
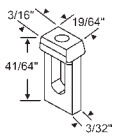
TILT CHANNEL BALANCES

62FC Series



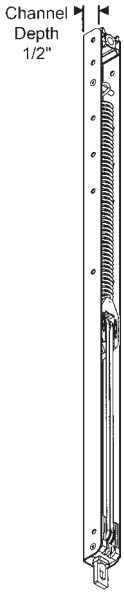
- Most commonly used in vinyl windows. However, several manufacturers use in aluminum windows

Optional Clip



See page 65 for chart details.

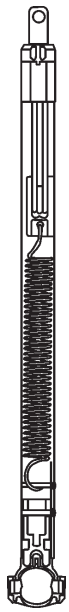
62G Series



See page 67 for chart details.

62-716 Series

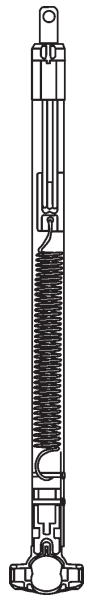
Inverted.
1/2" Wide x
1/2" Depth



See page 60 for chart details.

62-766 Series

Inverted.
1/2" Wide x
1/2" Depth
(Similar to 62-716 Series Except 4 numbers Stamped on Balance)



See page 61 for chart details.

62M Series

Used on Magnum #86M, 86MF, 86MS Jambliners

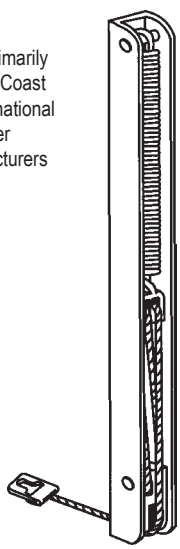
Ask account manager for detailed chart.

OVERHEAD BALANCES

62W Series

Overhead Balances

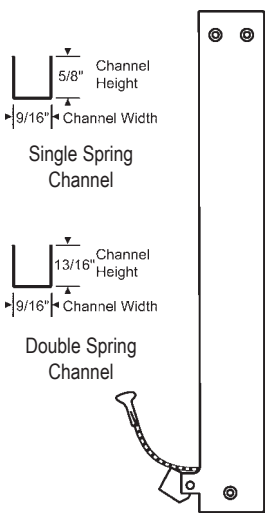
- Used primarily in West Coast by international and other manufacturers



See page 72 for chart details.

62DV Series

Devac Balances



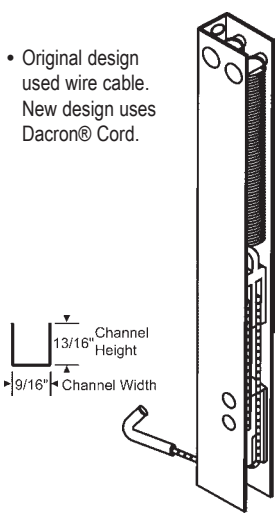
Minimum Order Required

See page 64 for chart details.

62V Series

5 to 1 Overhead Balances

- Original design used wire cable. New design uses Dacron® Cord.



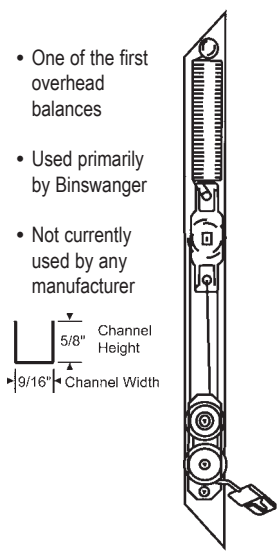
Minimum Order Required

See page 71 for chart details.

60B Series

Bantam Balances

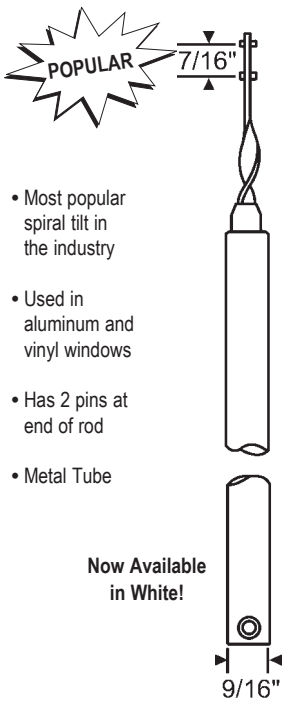
- One of the first overhead balances
- Used primarily by Binswanger
- Not currently used by any manufacturer



Ask account manager for detailed chart.

TILT & NON-TILT SPIRAL BALANCES

85 Series Tilt 5/8"



- Most popular spiral tilt in the industry
- Used in aluminum and vinyl windows
- Has 2 pins at end of rod
- Metal Tube

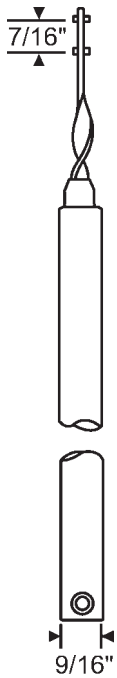
Now Available in White!

See page 100 for chart details.

85M Series Non-Tilt 5/8"

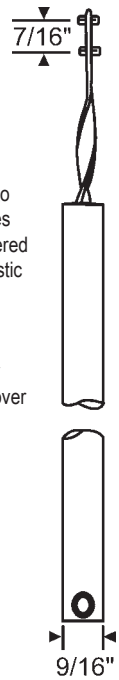
See page 101 for chart details.

85Z Series Pre-Tensioned Tilt 5/8"



See page 103 for chart details.

85-P Series Tilt 5/8"

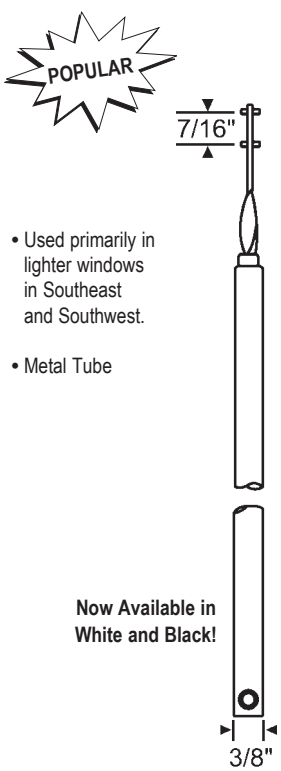


- Similar to 85 Series but covered with plastic tube
- White, Black or Gray Cover

See page 102 for chart details.

TILT & NON-TILT SPIRAL BALANCES

83 Series Tilt 3/8"

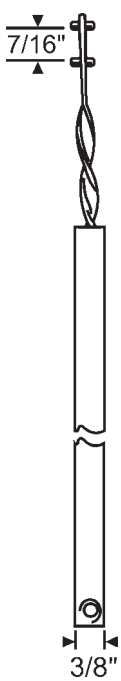


- Used primarily in lighter windows in Southeast and Southwest.
- Metal Tube

Now Available in White and Black!

See page 94 for chart details.

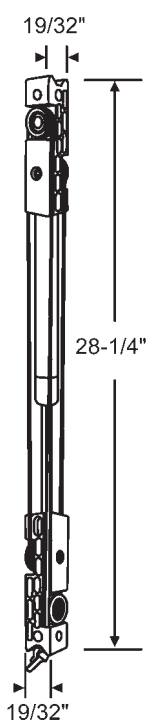
83-P Series Tilt 3/8"



- Similar to 83 Series but covered with plastic tube
- White, Black or Gray Cover

See page 97 for chart details.

84 Series Pneulift

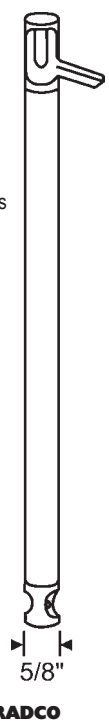


- Pneumatic for commercial applications.
- Gas filled balance.
- Can extend weight range to over 100 lbs. with 4 balances per sash.

* Also available in 20-1/4" length version as 84S Series.

See page 98 for chart details.

89 Series Non-Tilt 5/8"



- Wood Windows
- White Tube

CARADCO

See page 118 for chart details.

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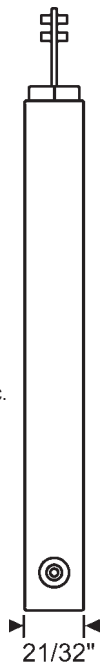
TILT & NON-TILT SPIRAL BALANCES

88L Series Tilt or Non-Tilt

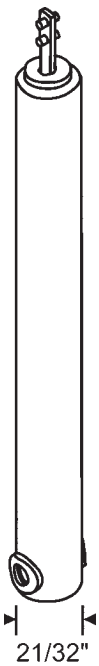


- Commercial Grade Heavy Duty up to 100 lbs.
- Reduces lifting and closing force by over 50%. Excellent for schools, nursing homes, hospitals, etc.
- By utilizing 88-500 bracket, balance can be made Non-Tilt.
- 5 year warranty
- Gray Plastic Cover
- Must be ordered for specific weight.

Now Available in White!

See page 116 for chart details.

88LL Series Tilt & Non-Tilt



88SL Series Tilt & Non-Tilt

- Commercial Grade Heavy Duty for weight ranges up to 130 lbs.
- Gray, Black or White Cover

See page 117 for chart details.

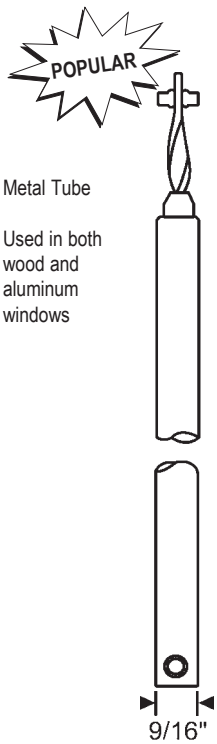
89W Series

- White Plastic Tube
- Special Order Item
- Order Per Sample Only
- Also Need Sash Weight & Glass Height

WENCO

Ask account manager for detailed chart.

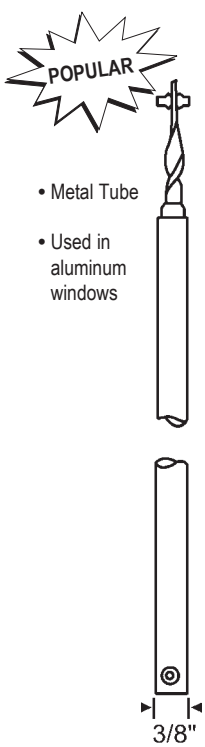
70 Series Non-Tilt 5/8"



- Metal Tube
- Used in both wood and aluminum windows

See page 77 for chart details.

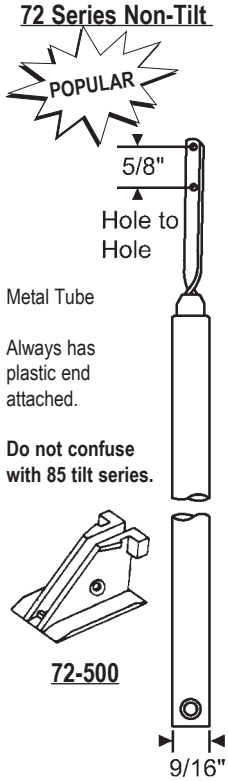
76 Series Non-Tilt 3/8"



- Metal Tube
- Used in aluminum windows

See page 86 for chart details.

72 Series Non-Tilt

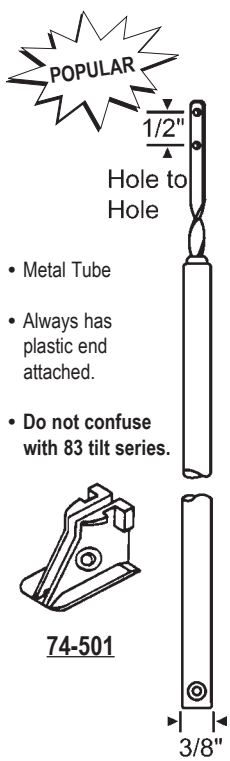


- Metal Tube
- Always has plastic end attached.
- **Do not confuse with 85 tilt series.**

72-500

See page 81 for chart details.

74 Series Non-Tilt

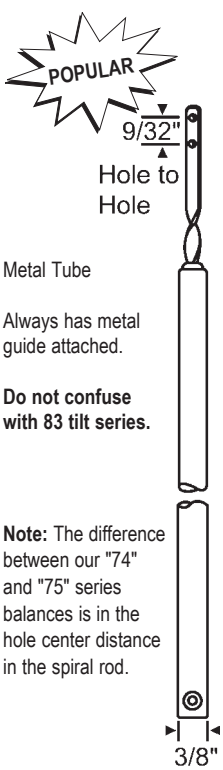


- Metal Tube
- Always has plastic end attached.
- **Do not confuse with 83 tilt series.**

74-501

See page 83 for chart details.

75 Series Non-Tilt



- Metal Tube
- Always has metal guide attached.
- **Do not confuse with 83 tilt series.**

Note: The difference between our "74" and "75" series balances is in the hole center distance in the spiral rod.

See page 85 for chart details.

78A Series Non-Tilt 3/8"

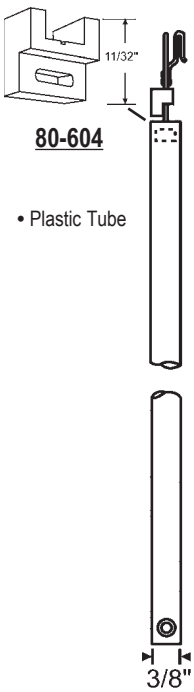
- Plastic Tube

VE ANDERSON

See page 89 for chart details.

TILT & NON-TILT SPIRAL BALANCES

78B Series

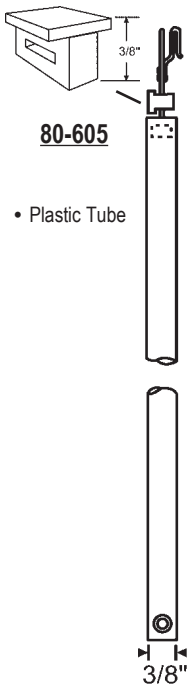


80-604

- Plastic Tube

Ask account manager for detailed chart.

78C Series



80-605

- Plastic Tube

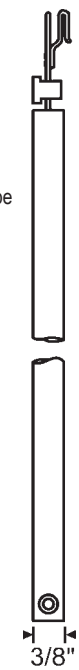
Ask account manager for detailed chart.

78SL Series

- Plastic Tube

Ask account manager for detailed chart.

78M Series

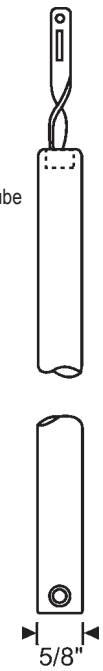


- Metal Tube

ROBERT E. LEE

Ask account manager for detailed chart.

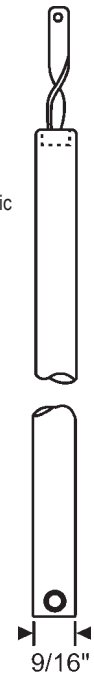
80SL Series



- Plastic Tube

See page 93 for chart details.

80 Series Non-Tilt



- Gray Plastic Tube

AIRMASTER

See page 90 for chart details.

CROSSBOW BALANCES

80A Series Non-Tilt

- Gray Plastic Tube
- Primarily used in New York and New Jersey

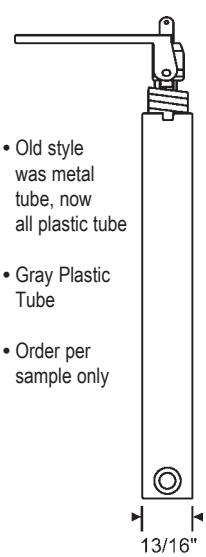
See page 91 for chart details.

80B Series Non-Tilt

- Black Plastic Tube

See page 92 for chart details.

Type M Series 13/16"



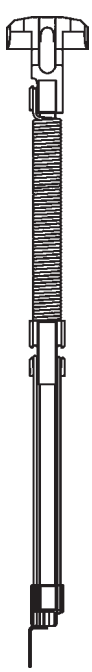
- Old style was metal tube, now all plastic tube
- Gray Plastic Tube
- Order per sample only

Ask account manager for detailed chart.

901 Series Crossbow

See page 119 for chart details.

960SP Series Crossbow



See page 120 for chart details.

909A Series Crossbow

See page 121 for chart details.

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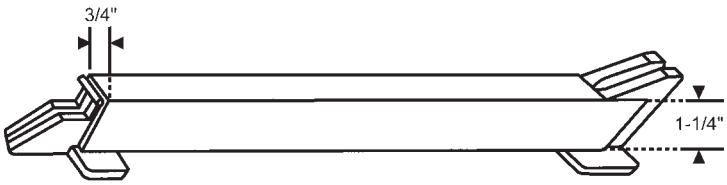
Window Balance Identification Display

- Includes an assortment of 31 different series channel (Tilt & Non-tilt), tube (Tilt & Non-tilt), and constant force window sash balance samples.
- Counter top display included. (Made of plastic and shipped knocked down)
- Sign included for the top of the display.
- Balances are Velcro on so they are removable for sample identification and/or transport to site for identification. Each balance is labeled with balance series. Rack is also labeled so the balance samples can be returned to the proper position.
- Also available is a generic "Any Balance for Any Window" flyer that can be customized with your company name & address in a PDF format, to print and hand out (or e-mail) to your customers and for your sales/installation/quote personnel.
- Display rack spins around 360 degrees.
- Display size is approx. 13" wide x 13" deep x 24" high.
- Also great for sales/customer meetings, customer shows/exhibits, open house, training, and other events.
- Well worth the investment and will pay for itself in a short period of time as you increase your balance sales.

Part Number:

500-326

57 SERIES NON-TILT BALANCES



-Max Weight 75lbs.

Note: These are special order balances and are not returnable.

ORDERING INFORMATION

1. Measure metal channel length. Do not include any attached ends.
2. Check number stamped on channel. The first two digits represents the channel length. The second two digits represent the sash weight. (e.g.: The number stamped on the balance is 3248, you would then order #57-32S48. With 57 referring to our series, followed by the length of the balance then the sash weight.)

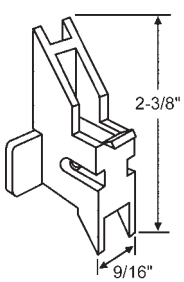
Note: Top and bottom guides shown below will automatically be attached to your balance unless otherwise specified.

Note: With the 58 Series take out system, the sash balance becomes part of the sash. Therefore, when calculating sash weights, you must add the physical balance weight to the sash weights.

LENGTH OF METAL CHANNEL	NUMBER STAMPED ON BALANCE	OUR PART NUMBER	LENGTH OF METAL CHANNEL	NUMBER STAMPED ON BALANCE	OUR PART NUMBER
13"	13+Weight	**57-13S(Sash Weight)**	43"	43+Weight	**57-43S(Sash Weight)**
14"	14+Weight	**57-14S(Sash Weight)**	44"	44+Weight	**57-44S(Sash Weight)**
15"	15+Weight	**57-15S(Sash Weight)**	45"	45+Weight	**57-45S(Sash Weight)**
16"	16+Weight	**57-16S(Sash Weight)**	46"	46+Weight	**57-46S(Sash Weight)**
17"	17+Weight	**57-17S(Sash Weight)**	47"	47+Weight	**57-47S(Sash Weight)**
18"	18+Weight	**57-18S(Sash Weight)**	48"	48+Weight	**57-48S(Sash Weight)**
19"	19+Weight	**57-19S(Sash Weight)**	49"	49+Weight	**57-49S(Sash Weight)**
20"	20+Weight	**57-20S(Sash Weight)**	50"	50+Weight	**57-50S(Sash Weight)**
21"	21+Weight	**57-21S(Sash Weight)**	51"	51+Weight	**57-51S(Sash Weight)**
22"	22+Weight	**57-22S(Sash Weight)**	52"	52+Weight	**57-52S(Sash Weight)**
23"	23+Weight	**57-23S(Sash Weight)**	53"	53+Weight	**57-53S(Sash Weight)**
24"	24+Weight	**57-24S(Sash Weight)**	54"	54+Weight	**57-54S(Sash Weight)**
25"	25+Weight	**57-25S(Sash Weight)**	55"	55+Weight	**57-55S(Sash Weight)**
26"	26+Weight	**57-26S(Sash Weight)**	56"	56+Weight	**57-56S(Sash Weight)**
27"	27+Weight	**57-27S(Sash Weight)**	57"	57+Weight	**57-57S(Sash Weight)**
28"	28+Weight	**57-28S(Sash Weight)**	58"	58+Weight	**57-58S(Sash Weight)**
29"	29+Weight	**57-29S(Sash Weight)**	59"	59+Weight	**57-59S(Sash Weight)**
30"	30+Weight	**57-30S(Sash Weight)**	60"	60+Weight	**57-60S(Sash Weight)**
31"	31+Weight	**57-31S(Sash Weight)**	61"	61+Weight	**57-61S(Sash Weight)**
32"	32+Weight	**57-32S(Sash Weight)**	62"	62+Weight	**57-62S(Sash Weight)**
33"	33+Weight	**57-33S(Sash Weight)**	63"	63+Weight	**57-63S(Sash Weight)**
34"	34+Weight	**57-34S(Sash Weight)**	64"	64+Weight	**57-64S(Sash Weight)**
35"	35+Weight	**57-35S(Sash Weight)**	65"	65+Weight	**57-65S(Sash Weight)**
36"	36+Weight	**57-36S(Sash Weight)**	66"	66+Weight	**57-66S(Sash Weight)**
37"	37+Weight	**57-37S(Sash Weight)**	67"	67+Weight	**57-67S(Sash Weight)**
38"	38+Weight	**57-38S(Sash Weight)**	68"	68+Weight	**57-68S(Sash Weight)**
39"	39+Weight	**57-39S(Sash Weight)**	69"	69+Weight	**57-69S(Sash Weight)**
40"	40+Weight	**57-40S(Sash Weight)**	70"	70+Weight	**57-70S(Sash Weight)**
41"	41+Weight	**57-41S(Sash Weight)**	71"	71+Weight	**57-71S(Sash Weight)**
42"	42+Weight	**57-42S(Sash Weight)**	72"	72+Weight	**57-72S(Sash Weight)**

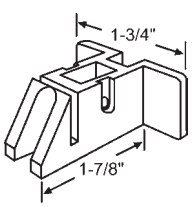
For weights above those listed in chart, contact your account manager

TOP GUIDE



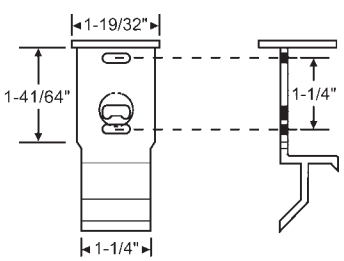
57-500

BOTTOM GUIDE



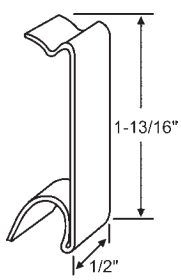
57-501

SASH CAP



57-600
Black Anodized Aluminum

TAKE-OUT CLIP



58-700
Zinc Plated

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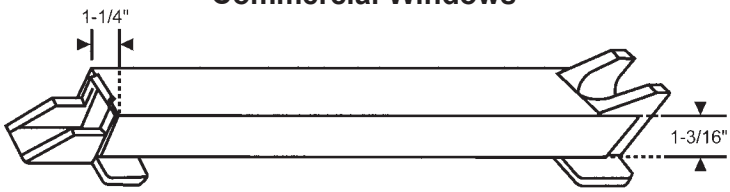
58 SERIES NON-TILT BALANCES

58 Series Balances are Designed for Heavy Duty Commercial Windows



-Max Weight 100lbs.

Note: These are special order balances and are not returnable.

ORDERING INFORMATION

1. Measure metal channel length. Do not include any attached ends.
2. Check number stamped on channel. The first two digits represents the channel length. The second two digits represent the sash weight. (e.g.: The number stamped on the balance is 3248, you would then order #58-32S48. With 58 referring to our series, followed by the length of the balance then the sash weight.)

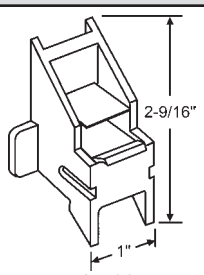
Note: Top and bottom guides shown below will automatically be attached to your balance unless otherwise specified.

Note: With the 58 Series take out system, the sash balance becomes part of the sash. Therefore, when calculating sash weights, you must add the physical balance weight to the sash weights.

LENGTH OF METAL CHANNEL	NUMBER STAMPED ON BALANCE	OUR PART NUMBER	LENGTH OF METAL CHANNEL	NUMBER STAMPED ON BALANCE	OUR PART NUMBER
13"	13+Weight	**58-13S(Sash Weight)**	46"	46+Weight	**58-46S(Sash Weight)**
14"	14+Weight	**58-14S(Sash Weight)**	47"	47+Weight	**58-47S(Sash Weight)**
15"	15+Weight	**58-15S(Sash Weight)**	48"	48+Weight	**58-48S(Sash Weight)**
16"	16+Weight	**58-16S(Sash Weight)**	49"	49+Weight	**58-49S(Sash Weight)**
17"	17+Weight	**58-17S(Sash Weight)**	50"	50+Weight	**58-50S(Sash Weight)**
18"	18+Weight	**58-18S(Sash Weight)**	51"	51+Weight	**58-51S(Sash Weight)**
19"	19+Weight	**58-19S(Sash Weight)**	52"	52+Weight	**58-52S(Sash Weight)**
20"	20+Weight	**58-20S(Sash Weight)**	53"	53+Weight	**58-53S(Sash Weight)**
21"	21+Weight	**58-21S(Sash Weight)**	54"	54+Weight	**58-54S(Sash Weight)**
22"	22+Weight	**58-22S(Sash Weight)**	55"	55+Weight	**58-55S(Sash Weight)**
23"	23+Weight	**58-23S(Sash Weight)**	56"	56+Weight	**58-56S(Sash Weight)**
24"	24+Weight	**58-24S(Sash Weight)**	57"	57+Weight	**58-57S(Sash Weight)**
25"	25+Weight	**58-25S(Sash Weight)**	58"	58+Weight	**58-58S(Sash Weight)**
26"	26+Weight	**58-26S(Sash Weight)**	59"	59+Weight	**58-59S(Sash Weight)**
27"	27+Weight	**58-27S(Sash Weight)**	60"	60+Weight	**58-60S(Sash Weight)**
28"	28+Weight	**58-28S(Sash Weight)**	61"	61+Weight	**58-61S(Sash Weight)**
29"	29+Weight	**58-29S(Sash Weight)**	62"	62+Weight	**58-62S(Sash Weight)**
30"	30+Weight	**58-30S(Sash Weight)**	63"	63+Weight	**58-63S(Sash Weight)**
31"	31+Weight	**58-31S(Sash Weight)**	64"	64+Weight	**58-64S(Sash Weight)**
32"	32+Weight	**58-32S(Sash Weight)**	65"	65+Weight	**58-65S(Sash Weight)**
33"	33+Weight	**58-33S(Sash Weight)**	66"	66+Weight	**58-66S(Sash Weight)**
34"	34+Weight	**58-34S(Sash Weight)**	67"	67+Weight	**58-67S(Sash Weight)**
35"	35+Weight	**58-35S(Sash Weight)**	68"	68+Weight	**58-68S(Sash Weight)**
36"	36+Weight	**58-36S(Sash Weight)**	69"	69+Weight	**58-69S(Sash Weight)**
37"	37+Weight	**58-37S(Sash Weight)**	70"	70+Weight	**58-70S(Sash Weight)**
38"	38+Weight	**58-38S(Sash Weight)**	71"	71+Weight	**58-71S(Sash Weight)**
39"	39+Weight	**58-39S(Sash Weight)**	72"	72+Weight	**58-72S(Sash Weight)**
40"	40+Weight	**58-40S(Sash Weight)**	73"	73+Weight	**58-73S(Sash Weight)**
41"	41+Weight	**58-41S(Sash Weight)**	74"	74+Weight	**58-74S(Sash Weight)**
42"	42+Weight	**58-42S(Sash Weight)**	75"	75+Weight	**58-75S(Sash Weight)**
43"	43+Weight	**58-43S(Sash Weight)**	76"	76+Weight	**58-76S(Sash Weight)**
44"	44+Weight	**58-44S(Sash Weight)**	77"	77+Weight	**58-77S(Sash Weight)**
45"	45+Weight	**58-45S(Sash Weight)**	78"	78+Weight	**58-78S(Sash Weight)**
			79"	79+Weight	**58-79S(Sash Weight)**
			80"	80+Weight	**58-80S(Sash Weight)**

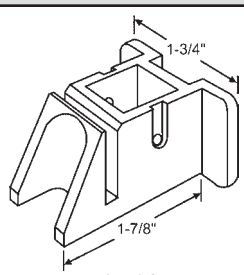
For weights above those listed in chart, contact your account manager

TOP GUIDE



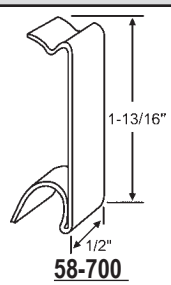
58-500

BOTTOM GUIDE



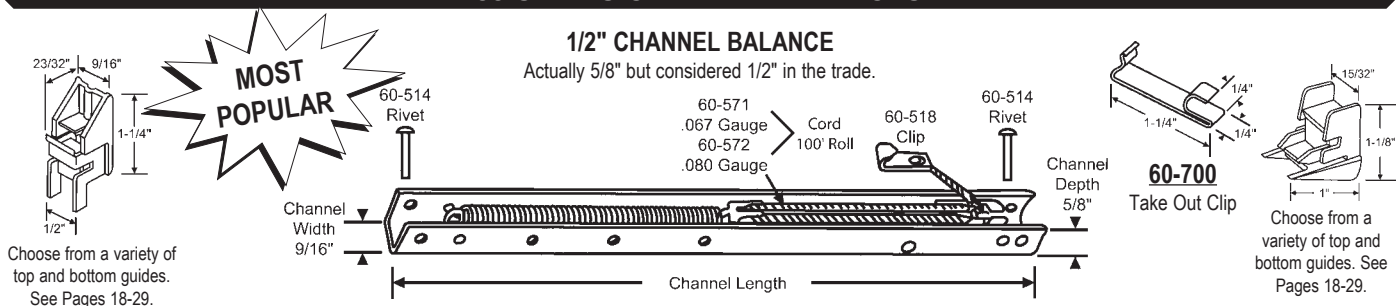
58-501

TAKE-OUT CLIP



58-700
Zinc Plated

60 SERIES CHANNEL BALANCES



Choose from a variety of top and bottom guides. See Pages 18-29.

Choose from a variety of top and bottom guides. See Pages 18-29.

General Information

1. Sash weights indicated below are weights that 2 balances per sash will carry with no weather-strip friction considered.
2. Balances stamped with a 3-digit number (e.g. 122, 183, 143) or a 2-digit number (e.g. 15, 18, 19) will require you to contact your account manager for more information; such as exact channel length, type of ends attached, etc.
3. Any other number/letter variations should also be reviewed with your account manager to ensure your order will be filled correctly.
4. If your existing balance has a "BSI" stamped on the face of the balance by the 4 digit number, order exactly as seen on this chart.
5. If your existing balance does not have BSI stamped on it and your balance's 4 digit number has a 40 suffix (e.g. 2840, 2940, 3040, 3640 etc.), you have the old style balance and for 29" balances and above -order 2850, 2950, 3050, 3650, etc. If you are unsure, weigh your sash and choose from the weight charts indicated below.
6. For sash weights over those indicated on chart below, please provide the following information:
   a) Number stamped on balance _____
   b) Balance length (do not include ends_____
   c) Sash weight _____
   d) Upper or lower sash _____
   e) 2 or 4 balances per sash _____

Note: Special weight balances were usually stamped with a 4 digit number followed by a two digit number to designate specific weight (e.g. 2640 42 or 2690 42 indicates (2) 27" balances carrying 42 lb. sash.

Ordering Information

1. Measure metal channel balance length. (Do not include plastic ends.)
2. Check number stamped on channel. (e.g. 2010, 28A, 3620 etc.)
3. Select our corresponding part number from the chart below.
4. To identify the top and bottom ends to be attached, refer to pages 18-29.

Note: Top and bottom balance ends must be ordered separately. If you want ends attached, add the letter "A" to the suffix of the part number when ordering. If you find the ends you need and they are located with the popular combinations, look for the suffix number and just add that suffix number to the end of the balance part number you selected (e.g. balance 60-242 with ends 60-507 and 60-501 add the suffix -1 so the final part number is 60-242-1).

Please Note (Important New Information)

Due to increased demand for larger and heavier windows, manufacturers have increased the weight capacity of balances as indicated by our expanded chart. Previously, balances beyond the traditional weight ranges were made for a specific length, weight and often required limited travel and needed to specify upper and lower sash. The examples below show the versatility of the new weight ranges and allow us to inventory these balances to cover a broader range of windows

Examples: **Old Number** **60-26S42L** (27" 42lb - Lower Sash) **New Number** **60-2680** (27" 42-45lb)
60-26S42U (27" 42lb - Upper Sash)
60-26S44L (27" 44lb. - Lower Sash)
60-26S44U (27" 44lb. - Upper Sash)

All balances listed in this chart no longer need to designate upper or lower and they all have full travel. Balances with weights and lengths above those listed on the chart will require sash weight and upper or lower designation and will have limited travel

Example: 27" Channel balance for 49lb. sash
60-26S49 (for lower sash)
60-26S49U (for upper sash)

For weights above those listed in this chart, see next page.

Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number
13"	1210	3-6 lbs	**60-121**	17"	1660	22-25 lbs	**60-1660**	21"	2020	8-12 lbs	**60-202**	24"	2370	34-37 lbs	**60-2370**
13"	1220	6-9 lbs	**60-122**	17"	1665	25-29 lbs	**60-1665**	21"	2030	12-15 lbs	**60-203**	24"	2375	37-40 lbs	**60-2375**
13"	1230	9-11 lbs	**60-123**	18"	1710	5-8 lbs	**60-171**	21"	2040	15-23 lbs	**60-204**	25"	2410	5-9 lbs	**60-241**
13"	1240	11-12 lbs	**60-124**	18"	1720	8-12 lbs	**60-172**	21"	2050	23-27 lbs	**60-2050**	25"	2420	9-15 lbs	**60-242**
13"	1250	12-15 lbs	**60-1250**	18"	1730	12-14 lbs	**60-173**	21"	2060	27-30 lbs	**60-2060**	25"	2430	15-19 lbs	**60-243**
13"	1260	15-18 lbs	**60-1260**	18"	1740	14-17 lbs	**60-174**	21"	2065	30-34 lbs	**60-2065**	25"	2440	19-24 lbs	**60-244**
14"	1310	3-6 lbs	**60-131**	18"	1750	17-20 lbs	**60-1750**	21"	2070	34-37 lbs	**60-2070**	25"	2450	24-27 lbs	**60-2450**
14"	1320	6-9 lbs	**60-132**	18"	1760	20-23 lbs	**60-1760**	21"	2075	37-40 lbs	**60-2075**	25"	2460	27-30 lbs	**60-2460**
14"	1330	9-11 lbs	**60-133**	18"	1765	23-25 lbs	**60-1765**	22"	2110	5-8 lbs	**60-211**	25"	2465	30-33 lbs	**60-2465**
14"	1340	11-12 lbs	**60-134**	18"	1770	25-29 lbs	**60-1770**	22"	2120	8-12 lbs	**60-212**	25"	2470	33-36 lbs	**60-2470**
14"	1350	12-15 lbs	**60-1350**	18"	1775	29-32 lbs	**60-1775**	22"	2130	12-15 lbs	**60-213**	25"	2475	36-39 lbs	**60-2475**
14"	1360	15-18 lbs	**60-1360**	19"	1810	5-8 lbs	**60-181**	22"	2140	15-23 lbs	**60-214**	25"	2480	39-42 lbs	**60-2480**
14"	1365	18-20 lbs	**60-1365**	19"	1820	8-12 lbs	**60-182**	22"	2150	23-27 lbs	**60-2150**	25"	2485	42-45 lbs	**60-2485**
15"	1410	4-6 lbs	**60-141**	19"	1830	12-14 lbs	**60-183**	22"	2160	27-30 lbs	**60-2160**	26"	2510	5-9 lbs	**60-251**
15"	1420	6-10 lbs	**60-142**	19"	1840	14-17 lbs	**60-184**	22"	2165	30-34 lbs	**60-2165**	26"	2520	9-15 lbs	**60-252**
15"	1430	10-12 lbs	**60-143**	19"	1850	17-20 lbs	**60-1850**	22"	2170	34-37 lbs	**60-2170**	26"	2530	15-19 lbs	**60-253**
15"	1440	12-13 lbs	**60-144**	19"	1860	20-23 lbs	**60-1860**	22"	2175	37-40 lbs	**60-2175**	26"	2540	19-25 lbs	**60-254**
15"	1450	13-17 lbs	**60-1450**	19"	1865	23-25 lbs	**60-1865**	23"	2210	5-8 lbs	**60-221**	26"	2550	25-28 lbs	**60-2550**
15"	1460	17-20 lbs	**60-1460**	19"	1870	25-29 lbs	**60-1870**	23"	2220	8-12 lbs	**60-222**	26"	2560	28-30 lbs	**60-2560**
15"	1465	20-23 lbs	**60-1465**	19"	1875	29-32 lbs	**60-1875**	23"	2230	12-19 lbs	**60-223**	26"	2565	30-33 lbs	**60-2565**
16"	1510	4-6 lbs	**60-151**	19"	1880	32-35 lbs	**60-1880**	23"	2240	19-23 lbs	**60-224**	26"	2570	33-36 lbs	**60-2570**
16"	1520	6-10 lbs	**60-152**	20"	1910	5-8 lbs	**60-191**	23"	2250	23-27 lbs	**60-2250**	26"	2575	36-39 lbs	**60-2575**
16"	1530	10-12 lbs	**60-153**	20"	1920	8-12 lbs	**60-192**	23"	2260	27-30 lbs	**60-2260**	26"	2580	39-42 lbs	**60-2580**
16"	1540	12-13 lbs	**60-154**	20"	1930	12-14 lbs	**60-193**	23"	2265	30-34 lbs	**60-2265**	26"	2585	42-45 lbs	**60-2585**
16"	1550	13-17 lbs	**60-1550**	20"	1940	14-17 lbs	**60-194**	23"	2270	34-37 lbs	**60-2270**	27"	2610	5-9 lbs	**60-261**
16"	1560	17-20 lbs	**60-1560**	20"	1950	17-21 lbs	**60-1950**	23"	2275	37-40 lbs	**60-2275**	27"	2620	9-13 lbs	**60-262**
16"	1565	20-23 lbs	**60-1565**	20"	1960	21-24 lbs	**60-1960**	24"	2310	5-8 lbs	**60-231**	27"	2630	13-19 lbs	**60-263**
16"	1570	23-26 lbs	**60-1570**	20"	1965	24-27 lbs	**60-1965**	24"	2320	9-15 lbs	**60-232**	27"	2640	19-26 lbs	**60-264**
17"	1610	5-8 lbs	**60-161**	20"	1970	27-30 lbs	**60-1970**	24"	2330	15-18 lbs	**60-233**	27"	2650	26-30 lbs	**60-2650**
17"	1620	8-12 lbs	**60-162**	20"	1975	30-34 lbs	**60-1975**	24"	2340	18-23 lbs	**60-234**	27"	2660	30-33 lbs	**60-2660**
17"	1630	12-14 lbs	**60-163**	20"	1980	34-37 lbs	**60-1980**	24"	2350	23-27 lbs	**60-2350**	27"	2665	33-36 lbs	**60-2665**
17"	1640	14-19 lbs	**60-164**	20"	1985	37-40 lbs	**60-1985**	24"	2360	27-30 lbs	**60-2360**	27"	2670	36-39 lbs	**60-2670**
17"	1650	19-22 lbs	**60-1650**	21"	2010	5-8 lbs	**60-201**	24"	2365	30-34 lbs	**60-2365**	27"	2675	39-42 lbs	**60-2675**

Continued on next page

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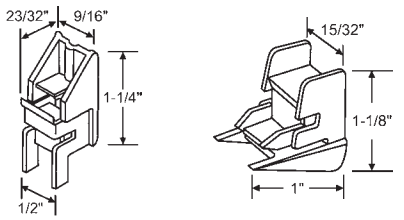
60 SERIES CHANNEL BALANCES

Continued from previous page

Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number
27"	2680	42-45 lbs	**60-2680**	34"	3370	39-42 lbs	**60-3370**	42"	4160	35-39 lbs	**60-4160**	50"	4950	30-35 lbs	**60-4950**
28"	2710	5-9 lbs	**60-271**	34"	3375	42-45 lbs	**60-3375**	42"	4165	39-42 lbs	**60-4165**	50"	4960	35-39 lbs	**60-4960**
28"	2720	9-13 lbs	**60-272**	35"	3410	8-13 lbs	**60-341**	42"	4170	42-45 lbs	**60-4170**	50"	4965	39-42 lbs	**60-4965**
28"	2730	13-19 lbs	**60-273**	35"	3420	13-18 lbs	**60-342**	43"	4210	9-14 lbs	**60-421**	50"	4970	42-45 lbs	**60-4970**
28"	2740	19-26 lbs	**60-274**	35"	3430	18-23 lbs	**60-343**	43"	4220	14-19 lbs	**60-422**	51"	5010	4-14 lbs	**60-5010**
28"	2750	26-30 lbs	**60-2750**	35"	3440	23-30 lbs	**60-344**	43"	4230	19-24 lbs	**60-423**	51"	5020	14-19 lbs	**60-5020**
28"	2760	30-33 lbs	**60-2760**	35"	3450	30-34 lbs	**60-3450**	43"	4240	24-30 lbs	**60-424**	51"	5030	19-25 lbs	**60-5030**
28"	2765	33-36 lbs	**60-2765**	35"	3460	34-39 lbs	**60-3460**	43"	4250	30-35 lbs	**60-4250**	51"	5040	25-32 lbs	**60-5040**
28"	2770	36-39 lbs	**60-2770**	35"	3465	39-42 lbs	**60-3465**	43"	4260	35-39 lbs	**60-4260**	51"	5050	32-35 lbs	**60-5050**
28"	2775	39-42 lbs	**60-2775**	35"	3470	42-45 lbs	**60-3470**	43"	4265	39-42 lbs	**60-4265**	51"	5060	35-39 lbs	**60-5060**
28"	2780	42-45 lbs	**60-2780**	36"	3510	8-13 lbs	**60-351**	43"	4270	42-45 lbs	**60-4270**	51"	5065	39-42 lbs	**60-5065**
29"	2810	7-12 lbs	**60-281**	36"	3520	13-18 lbs	**60-352**	44"	4310	9-14 lbs	**60-431**	51"	5070	42-45 lbs	**60-5070**
29"	2820	12-16 lbs	**60-282**	36"	3530	18-23 lbs	**60-353**	44"	4320	14-19 lbs	**60-432**	52"	5110	4-14 lbs	**60-5110**
29"	2830	16-23 lbs	**60-283**	36"	3540	23-30 lbs	**60-354**	44"	4330	19-24 lbs	**60-433**	52"	5120	14-19 lbs	**60-5120**
29"	2840	23-28 lbs	**60-284**	36"	3550	30-35 lbs	**60-3550**	44"	4340	24-30 lbs	**60-434**	52"	5130	19-25 lbs	**60-5130**
29"	2850	28-32 lbs	**60-2850**	36"	3560	35-39 lbs	**60-3560**	44"	4350	30-35 lbs	**60-4350**	52"	5140	25-32 lbs	**60-5140**
29"	2860	32-35 lbs	**60-2860**	36"	3565	39-42 lbs	**60-3565**	44"	4360	35-39 lbs	**60-4360**	52"	5150	32-35 lbs	**60-5150**
29"	2865	35-39 lbs	**60-2865**	36"	3570	42-45 lbs	**60-3570**	44"	4365	39-42 lbs	**60-4365**	52"	5160	35-39 lbs	**60-5160**
29"	2870	39-42 lbs	**60-2870**	37"	3610	8-13 lbs	**60-361**	44"	4370	42-45 lbs	**60-4370**	52"	5165	39-42 lbs	**60-5165**
29"	2875	42-45 lbs	**60-2875**	37"	3620	13-18 lbs	**60-362**	45"	4410	9-14 lbs	**60-441**	52"	5170	42-45 lbs	**60-5170**
30"	2910	7-12 lbs	**60-291**	37"	3630	18-23 lbs	**60-363**	45"	4420	14-19 lbs	**60-442**	53"	5210	4-14 lbs	**60-5210**
30"	2920	12-16 lbs	**60-292**	37"	3640	23-30 lbs	**60-364**	45"	4430	19-24 lbs	**60-443**	53"	5220	14-19 lbs	**60-5220**
30"	2930	16-23 lbs	**60-293**	37"	3650	30-35 lbs	**60-3650**	45"	4440	24-30 lbs	**60-444**	53"	5230	19-25 lbs	**60-5230**
30"	2940	23-28 lbs	**60-294**	37"	3660	35-39 lbs	**60-3660**	45"	4450	30-35 lbs	**60-4450**	53"	5240	25-32 lbs	**60-5240**
30"	2950	28-32 lbs	**60-2950**	37"	3665	39-42 lbs	**60-3665**	45"	4460	35-39 lbs	**60-4460**	53"	5250	32-35 lbs	**60-5250**
30"	2960	32-35 lbs	**60-2960**	37"	3670	42-45 lbs	**60-3670**	45"	4465	39-42 lbs	**60-4465**	53"	5260	35-39 lbs	**60-5260**
30"	2965	35-39 lbs	**60-2965**	38"	3710	8-13 lbs	**60-371**	45"	4470	42-45 lbs	**60-4470**	53"	5265	39-42 lbs	**60-5265**
30"	2970	39-42 lbs	**60-2970**	38"	3720	13-18 lbs	**60-372**	46"	4510	9-14 lbs	**60-451**	53"	5270	42-45 lbs	**60-5270**
30"	2975	42-45 lbs	**60-2975**	38"	3730	18-23 lbs	**60-373**	46"	4520	14-19 lbs	**60-452**	54"	5310	4-14 lbs	**60-5310**
31"	3010	7-12 lbs	**60-301**	38"	3740	23-30 lbs	**60-374**	46"	4530	19-24 lbs	**60-453**	54"	5320	14-19 lbs	**60-5320**
31"	3020	12-16 lbs	**60-302**	38"	3750	30-35 lbs	**60-3750**	46"	4540	24-30 lbs	**60-454**	54"	5330	19-25 lbs	**60-5330**
31"	3030	16-23 lbs	**60-303**	38"	3760	35-39 lbs	**60-3760**	46"	4550	30-35 lbs	**60-4550**	54"	5340	25-32 lbs	**60-5340**
31"	3040	23-28 lbs	**60-304**	38"	3765	39-42 lbs	**60-3765**	46"	4560	35-39 lbs	**60-4560**	54"	5350	32-35 lbs	**60-5350**
31"	3050	28-32 lbs	**60-3050**	38"	3770	42-45 lbs	**60-3770**	46"	4565	39-42 lbs	**60-4565**	54"	5360	35-39 lbs	**60-5360**
31"	3060	32-35 lbs	**60-3060**	39"	3810	9-14 lbs	**60-381**	46"	4570	42-45 lbs	**60-4570**	54"	5365	39-42 lbs	**60-5365**
31"	3065	35-39 lbs	**60-3065**	39"	3820	14-19 lbs	**60-382**	47"	4610	9-14 lbs	**60-461**	54"	5370	42-45 lbs	**60-5370**
31"	3070	39-42 lbs	**60-3070**	39"	3830	19-24 lbs	**60-383**	47"	4620	14-19 lbs	**60-462**				
31"	3075	42-45 lbs	**60-3075**	39"	3840	24-30 lbs	**60-384**	47"	4630	19-24 lbs	**60-463**				
32"	3110	7-12 lbs	**60-311**	39"	3850	30-35 lbs	**60-3850**	47"	4640	24-30 lbs	**60-464**				
32"	3120	12-16 lbs	**60-312**	39"	3860	35-39 lbs	**60-3860**	47"	4650	30-35 lbs	**60-4650**				
32"	3130	16-23 lbs	**60-313**	39"	3865	39-42 lbs	**60-3865**	47"	4660	35-39 lbs	**60-4660**				
32"	3140	23-28 lbs	**60-314**	39"	3870	42-45 lbs	**60-3870**	47"	4665	39-42 lbs	**60-4665**				
32"	3150	28-32 lbs	**60-3150**	40"	3910	9-14 lbs	**60-391**	47"	4670	42-45 lbs	**60-4670**				
32"	3160	32-35 lbs	**60-3160**	40"	3920	14-19 lbs	**60-392**	48"	4710	9-14 lbs	**60-471**				
32"	3165	35-39 lbs	**60-3165**	40"	3930	19-24 lbs	**60-393**	48"	4720	14-19 lbs	**60-472**				
32"	3170	39-42 lbs	**60-3170**	40"	3940	24-30 lbs	**60-394**	48"	4730	19-24 lbs	**60-473**				
32"	3175	42-45 lbs	**60-3175**	40"	3950	30-35 lbs	**60-3950**	48"	4740	24-30 lbs	**60-474**				
33"	3210	8-13 lbs	**60-321**	40"	3960	35-39 lbs	**60-3960**	48"	4750	30-35 lbs	**60-4750**				
33"	3220	13-18 lbs	**60-322**	40"	3965	39-42 lbs	**60-3965**	48"	4760	35-39 lbs	**60-4760**				
33"	3230	18-23 lbs	**60-323**	40"	3970	42-45 lbs	**60-3970**	48"	4765	39-42 lbs	**60-4765**				
33"	3240	23-28 lbs	**60-324**	41"	4010	9-14 lbs	**60-401**	48"	4770	42-45 lbs	**60-4770**				
33"	3250	28-32 lbs	**60-3250**	41"	4020	14-19 lbs	**60-402**	49"	4810	9-14 lbs	**60-481**				
33"	3260	32-35 lbs	**60-3260**	41"	4030	19-23 lbs	**60-403**	49"	4820	14-19 lbs	**60-482**				
33"	3265	35-39 lbs	**60-3265**	41"	4040	23-30 lbs	**60-404**	49"	4830	19-24 lbs	**60-483**				
33"	3270	39-42 lbs	**60-3270**	41"	4050	30-35 lbs	**60-4050**	49"	4840	24-32 lbs	**60-484**				
33"	3275	42-45 lbs	**60-3275**	41"	4060	35-39 lbs	**60-4060**	49"	4850	30-35 lbs	**60-4850**				
34"	3310	8-13 lbs	**60-331**	41"	4065	39-42 lbs	**60-4065**	49"	4860	35-39 lbs	**60-4860**				
34"	3320	13-18 lbs	**60-332**	41"	4070	42-45 lbs	**60-4070**	49"	4865	39-42 lbs	**60-4865**				
34"	3330	18-23 lbs	**60-333**	42"	4110	9-14 lbs	**60-411**	49"	4870	42-45 lbs	**60-4870**				
34"	3340	23-28 lbs	**60-334**	42"	4120	14-19 lbs	**60-412**	50"	4910	9-14 lbs	**60-491**				
34"	3350	28-32 lbs	**60-3350**	42"	4130	19-24 lbs	**60-413**	50"	4920	14-19 lbs	**60-492**				
34"	3360	32-35 lbs	**60-3360**	42"	4140	24-30 lbs	**60-414**	50"	4930	19-24 lbs	**60-493**				
34"	3365	35-39 lbs	**60-3365**	42"	4150	30-35 lbs	**60-4150**	50"	4940	24-32 lbs	**60-494**				

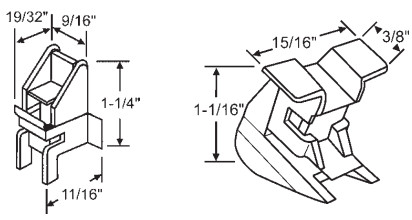
60 SERIES BALANCE ACCESSORIES

60 SERIES MOST POPULAR COMBINATIONS



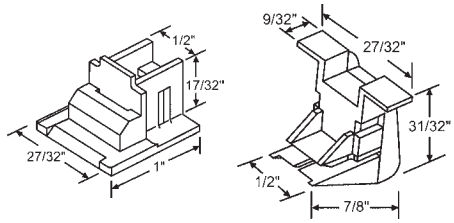
60-507 Top | **Suffix -1** | **60-501** Bottom

SEASONSHIELD/ALENCO



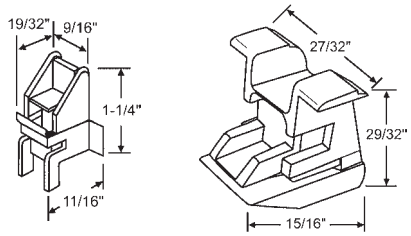
60-508 Top | **Suffix -3** | **60-503** Bottom

CROSS EASTERN/PENCO/MILLER/REMINGTON



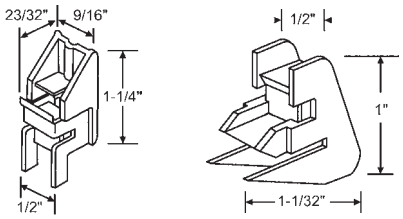
60-595 Top | **Suffix -28** | **60-596** Bottom

PAN AM



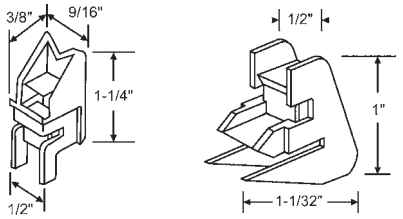
60-508 Top | **Suffix -42** | **60-5011** Bottom

MILESTONE/FL EXTRUDERS



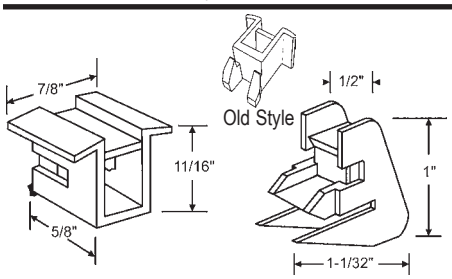
60-507 Top | **Suffix -0** | **60-500** Bottom

OLD KINCO/HARCAR/NUAIR/SUNSHINE/EFCO



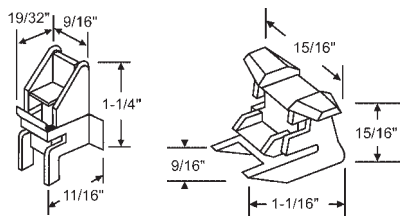
60-936 Top | **Suffix -36** | **60-500** Bottom

YALE OGRON

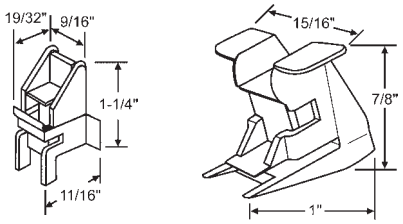


60-506 Top | **Suffix -6** | **60-500** Bottom

CAPITOL



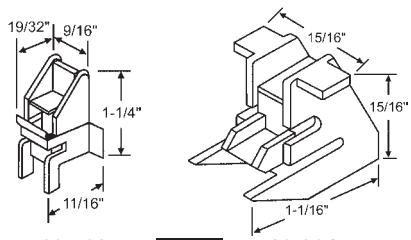
60-508 Top | **Suffix -8** | **60-516** Bottom



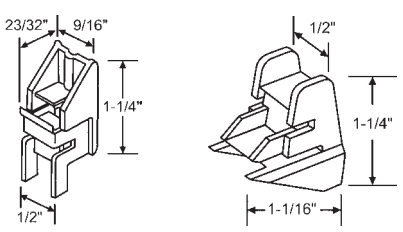
60-508 Top | **Suffix -27** | **60-943** Bottom

ALCAN

60 SERIES OTHER COMBINATIONS

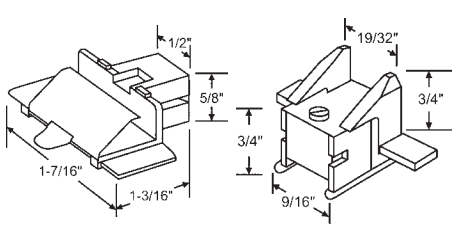


60-508 Top | **Suffix -40** | **60-904** Bottom



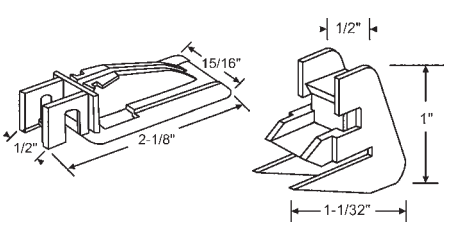
60-507 Top | **Suffix -2** | **60-502** Bottom

NORANDEX



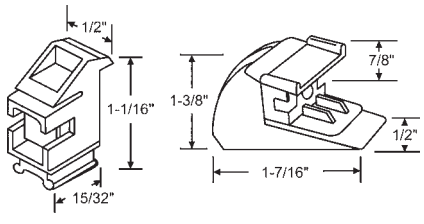
60-510 Top | **Suffix -4** | **60-504** Bottom

CROSSLY 700 SERIES



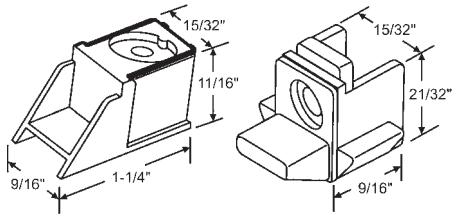
60-509 Top | **Suffix -5** | **60-500** Bottom

WT INDUSTRIES (REPLACEMENT)



60-560 Top | **Suffix -7** | **60-561** Bottom

ACORN



60-907 Top | **Suffix -9** | **60-908** Bottom

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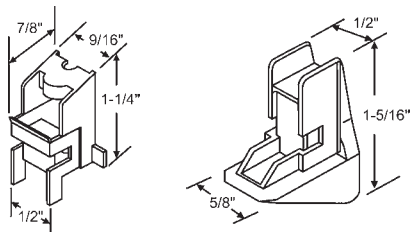
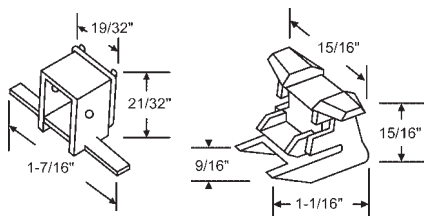
60 SERIES BALANCE ACCESSORIES

60 SERIES OTHER COMBINATIONS



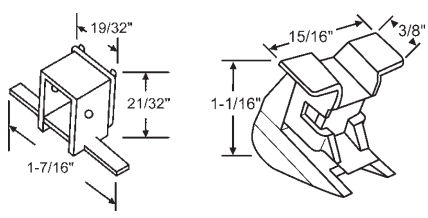
60-916 Top — **Suffix -11** — **60-915** Bottom

CAPITOL/MILLER



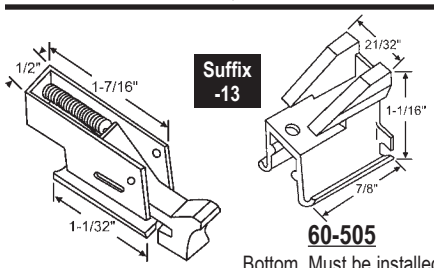
60-569 Top — **Suffix -12** — **60-516** Bottom

ROLLYSON



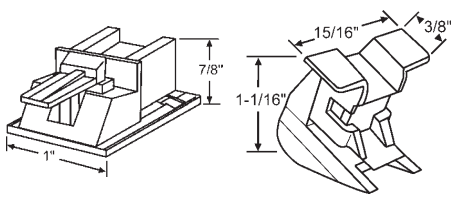
60-569 Top — **Suffix -12R** — **60-503** Bottom

ROLLYSON

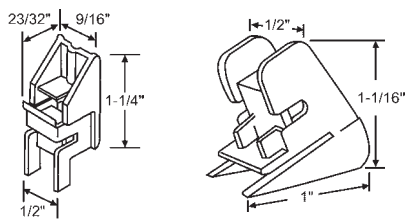


60-513 Top — **Suffix -13** — **60-505** Bottom. Must be installed with screw 20-046 at time of installation.

GTO 4 WINDOWS/GENERAL BRONZE

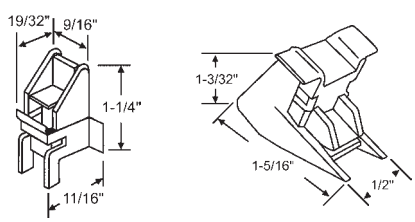


60-575 Top — **Suffix -14** — **60-503** Bottom

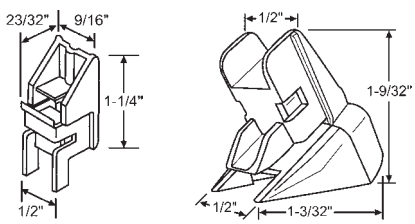


60-507 Top — **Suffix -15** — **60-587** Bottom

KINCO/DIXIE/CLEARVIEW/SEASONALL

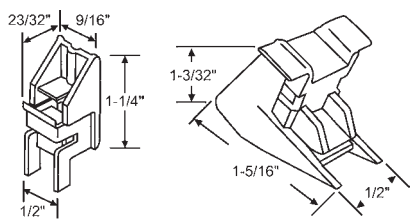


60-508 Top — **Suffix -16** — **60-598** Bottom



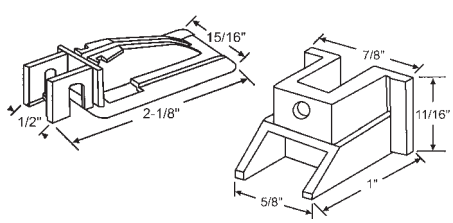
60-507 Top — **Suffix -17** — **60-597** Bottom

ESP



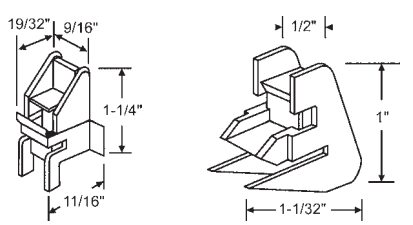
60-507 Top — **Suffix -18** — **60-598** Bottom

FIBERLUX/BELLVIEW



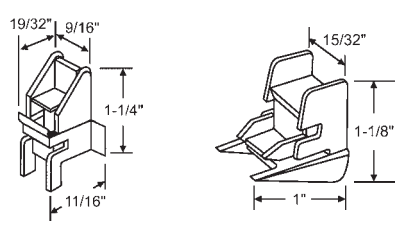
60-509 Top — **Suffix -19** — **60-576** Bottom

WT INDUSTRIES (ORIGINAL VERSION)



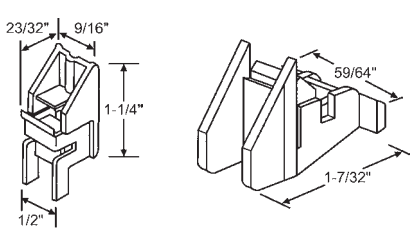
60-508 Top — **Suffix -20** — **60-500** Bottom

CE ANDERSON/ALENCO/MILLER



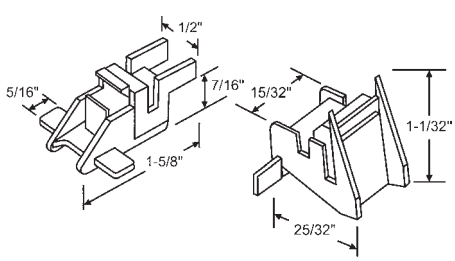
60-508 Top — **Suffix -21** — **60-501** Bottom

PGT/VINYLTEC



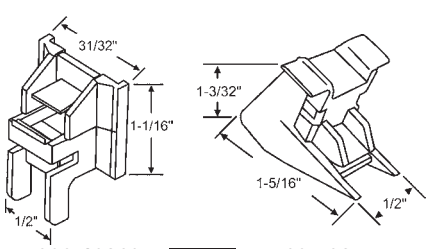
60-507 Top — **Suffix -23** — **60-987** Bottom

ALCOA



60-901 Top — **Suffix -24** — **60-902** Bottom

CROSSLY 780 SERIES

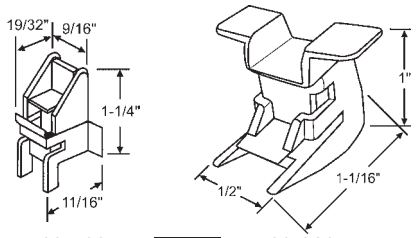


900-10269 Top — **Suffix -25** — **60-598** Bottom

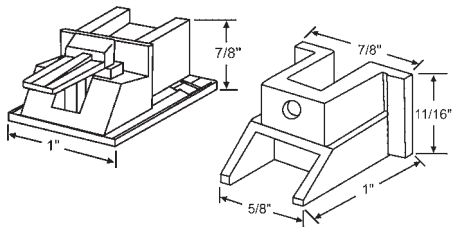
BELLVIEW

60 SERIES BALANCE ACCESSORIES

60 SERIES OTHER COMBINATIONS

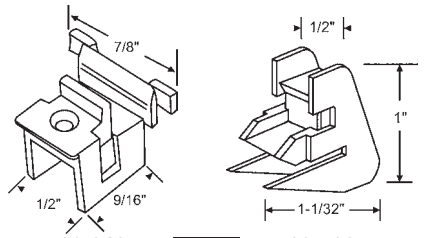


60-508 Top — **Suffix -26** — **60-980** Bottom



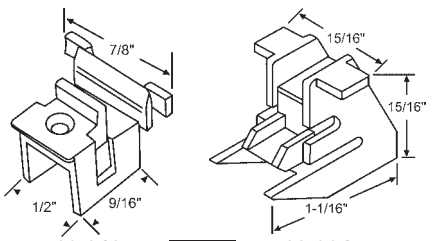
60-575 Top — **Suffix -29** — **60-576** Bottom

PAN AM



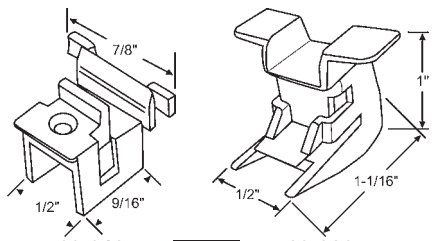
60-919 Top — **Suffix -30** — **60-500** Bottom

NEW SECURITY

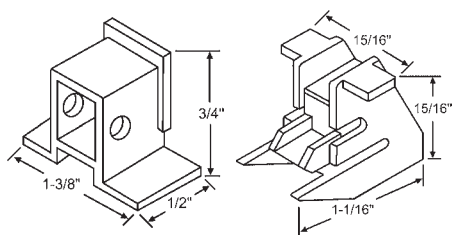


60-919 Top — **Suffix -31** — **60-904** Bottom

OLD SECURITY

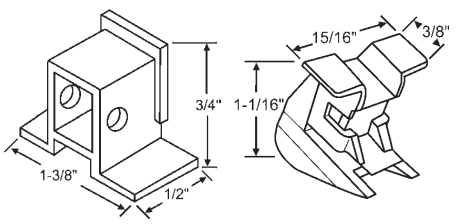


60-919 Top — **Suffix -31R** — **60-980** Bottom



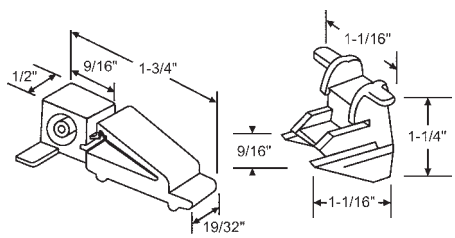
60-903 Top — **Suffix -32** — **60-904** Bottom

ROLLYSON ORIGINAL



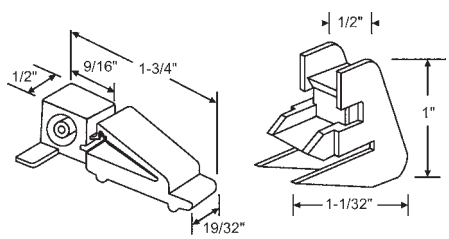
60-903 Top — **Suffix -32R** — **60-503** Bottom

ROLLYSON



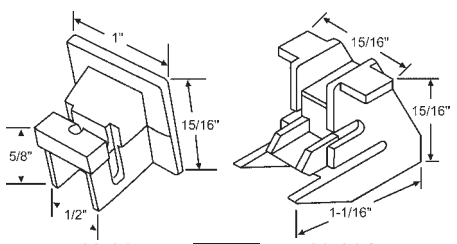
60-563 Top — **Suffix -33** — **60-564** Bottom

JONES



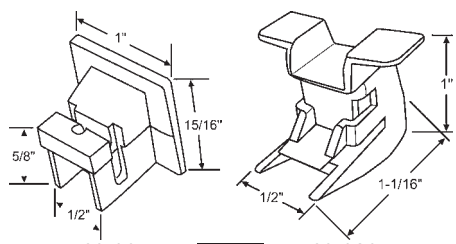
60-563 Top — **Suffix -33R** — **60-500** Bottom

JONES/OLD SECURITY



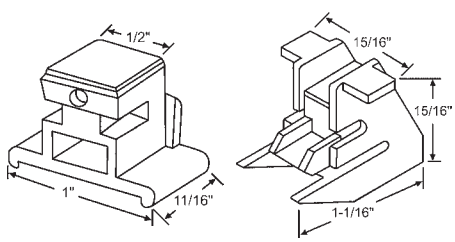
60-905 Top — **Suffix -34** — **60-904** Bottom

NEW SECURITY



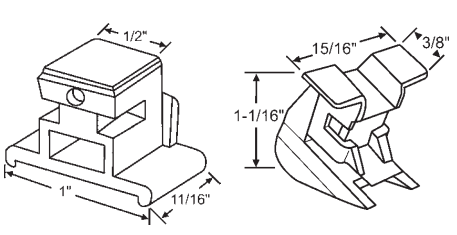
60-905 Top — **Suffix -34R** — **60-980** Bottom

SECURITY/TRACO



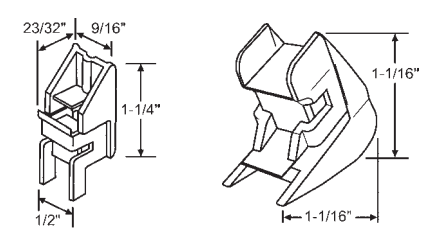
60-933 Top — **Suffix -37** — **60-904** Bottom

ROLLYSON/AMERICAN ORIGINAL

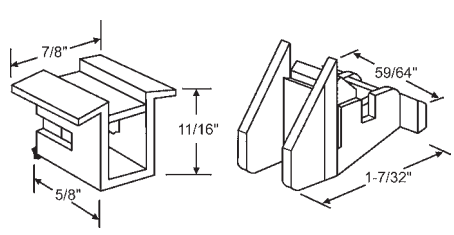


60-933 Top — **Suffix -37R** — **60-503** Bottom

AMERICAN WINDOW



60-507 Top — **Suffix 39** — **60-944** Bottom



60-506 Top — **Suffix -41** — **60-987** Bottom

CAPITOL

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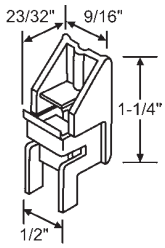
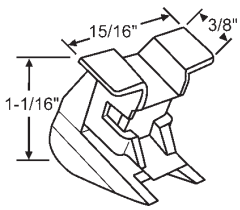
60 SERIES BALANCE ACCESSORIES

60 SERIES OTHER COMBINATIONS

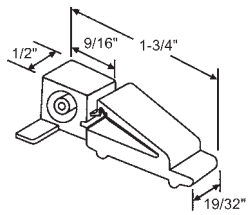


60-507
Top

Suffix -43

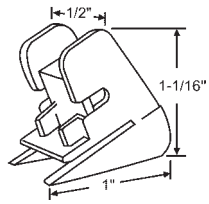


60-503
Bottom

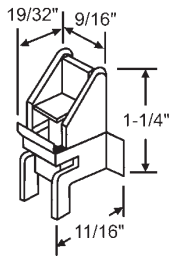


60-563
Top

Suffix -44

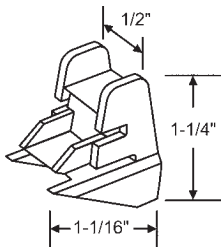


60-587
Bottom

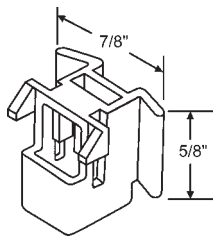


60-508
Top

Suffix -45



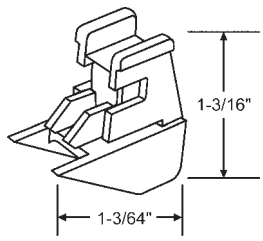
60-502
Bottom



60-591
Top

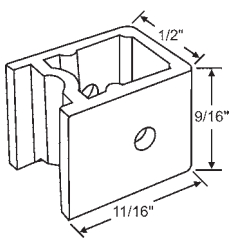
Suffix -46

CAPITOL

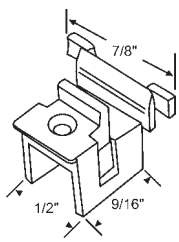


60-590
Bottom

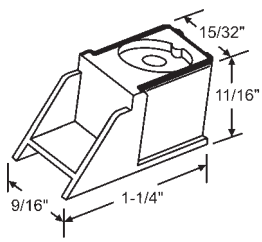
TOP BRACKETS



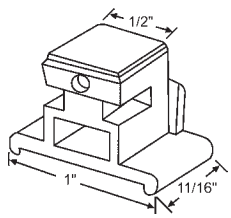
60-568
SWS



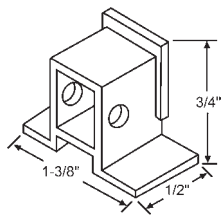
60-919
OLD SECURITY



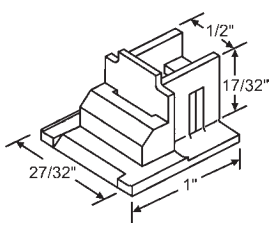
60-907
SILVER LINE



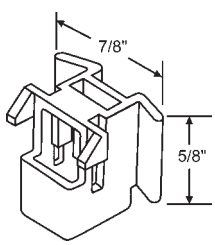
60-933



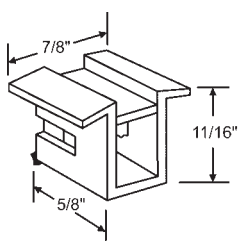
60-903
ROLLYSON



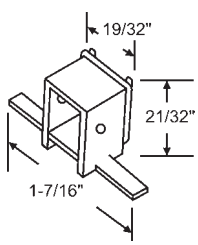
60-595
PAN AM



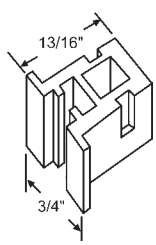
60-591
CAPITOL



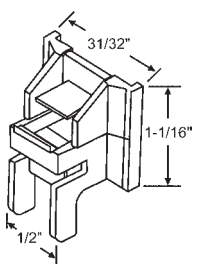
60-506
CAPITOL



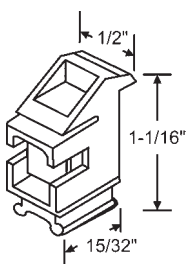
60-569
ROLLYSON



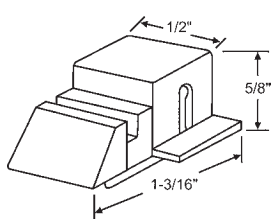
900-15343
WEATHERVANE



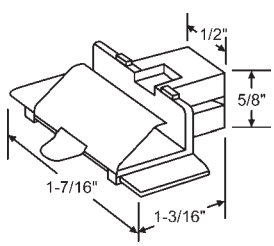
900-10269
BELLVIEW



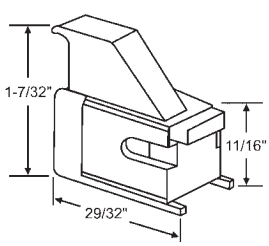
60-560
ACORN



60-578
BELLHOUSE



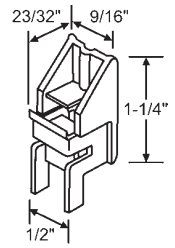
60-510
CROSSLY



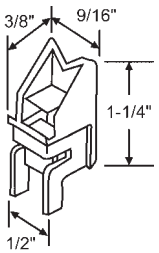
60-511
IDA

60 SERIES BALANCE ACCESSORIES

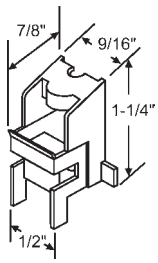
TOP BRACKETS



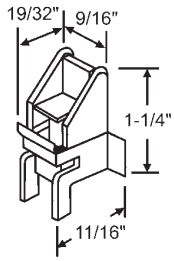
Part #	Color
60-507	White
60-507B	Black



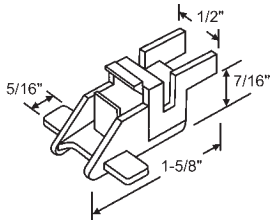
60-936
YALE OGRON



60-916
CAPITOL



60-508



60-901
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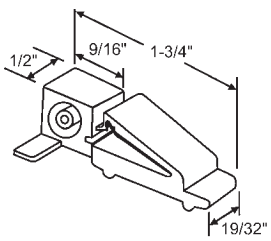
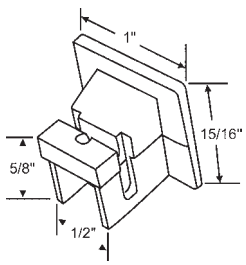
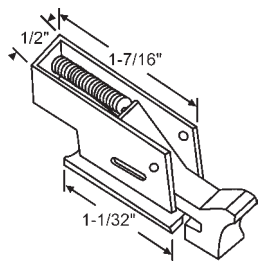


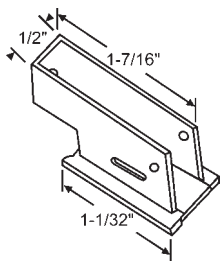
60-563
JONES



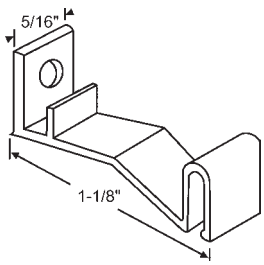
60-905
NEW SECURITY



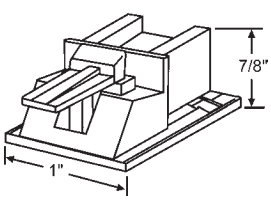
60-513
GENERAL BRONZE



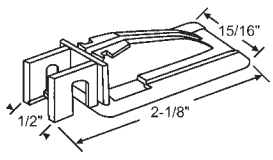
60-513B
Body Only



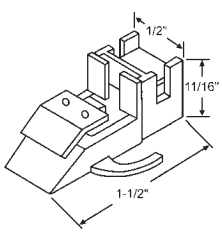
60-592
Metal Toggle. Used with **60-513B**



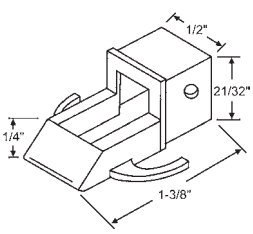
60-575
PAN AM



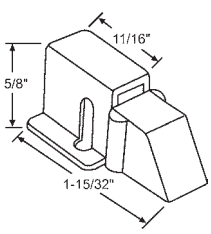
60-509
WT INDUSTRIES



60-583
DARYL

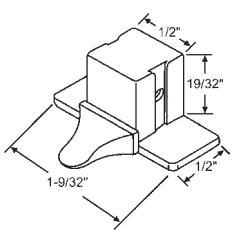


60-586
DARYL

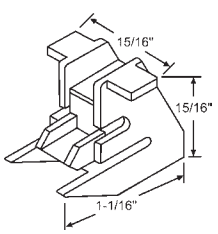


60-562
SWS

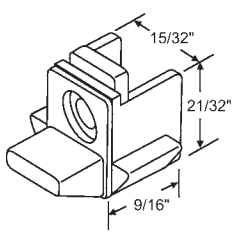
BOTTOM BRACKETS



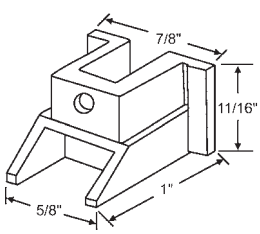
60-594



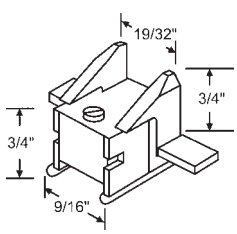
60-904
ROLLYSON



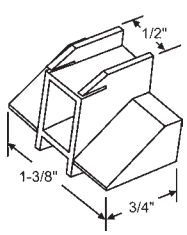
60-908
SILVER LINE



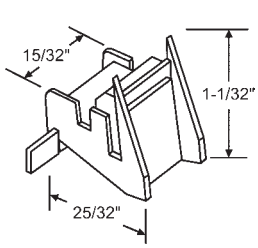
60-576
PAN AM



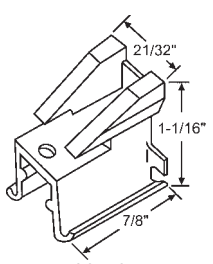
60-504
CROSSLY



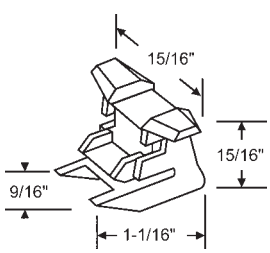
900-15344
WEATHERVANE



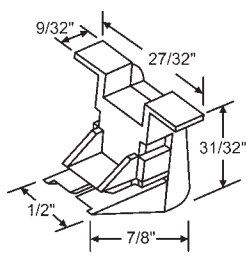
60-902
CROSSLY



60-505
Must be installed with screw 20-046 at time of installation.
GENERAL BRONZE



60-516
ROLLYSON



60-596
PAN AM

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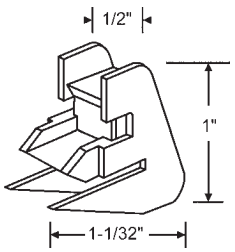
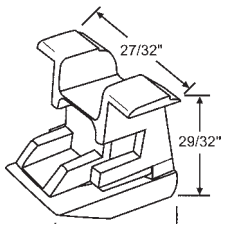
60 SERIES BALANCE ACCESSORIES

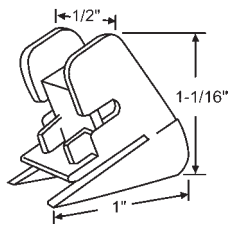
BOTTOM BRACKETS



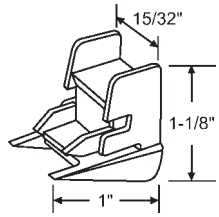
60-500
CAPITOL/WT INDUSTRIES



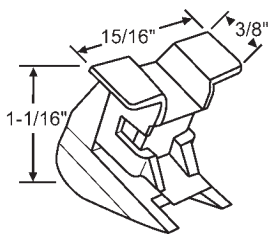
60-5011
Nylon
UNIQUE



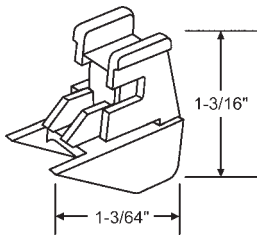
60-587
SEASONALL



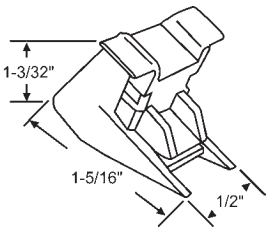
60-501
GENERAL BRONZE



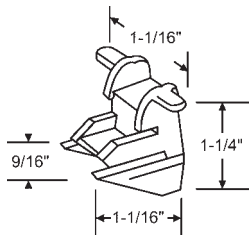
60-503



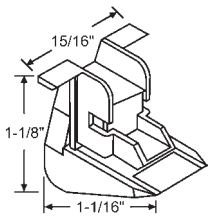
60-590
CAPITOL



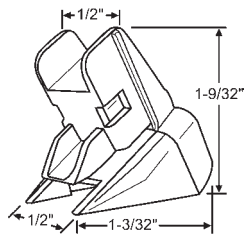
60-598
FIBERLUX



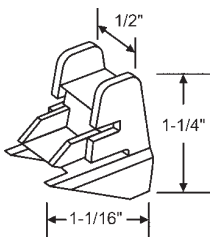
60-564
JONES



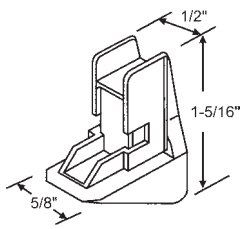
60-909
No Longer Available. Use: 60-503
CAPITOL



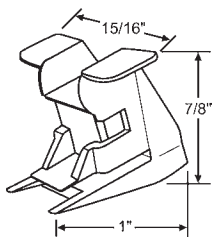
60-597



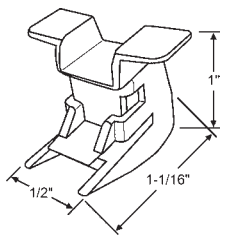
60-502
SEASONALL



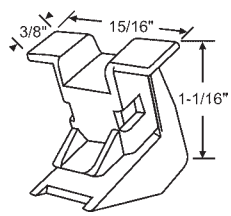
60-915
CAPITOL



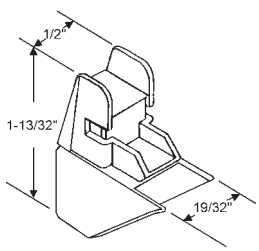
60-943
Nylon
ALCAN



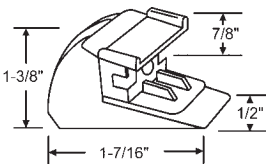
60-980
Winged



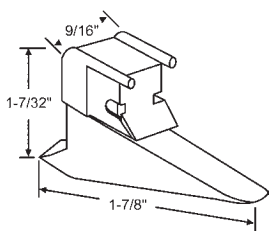
60-930
PINO



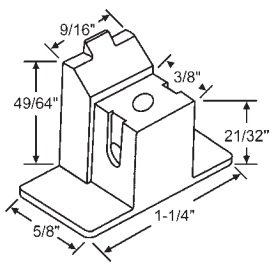
60-922B



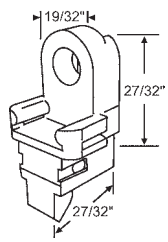
60-561
ACORN



60-512
IDA

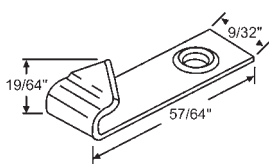


60-593
Bottom Bracket



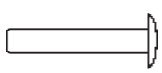
60-567
Bottom Bracket
BURCON

TERMINAL CLIP



60-518

STEEL RIVETS

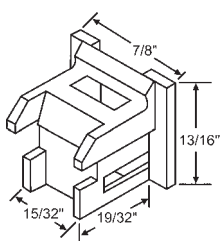


Part #	Description
60-514	3/32" Dia.
60-570	1/8" Dia., Heavy Duty

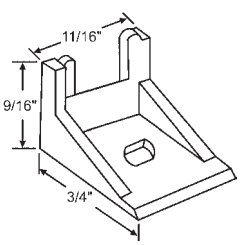
5/8" Length

20-183
Rivet and Drive Screw Assy. Used when no rivet tool is available.

PLASTIC TOP SASH GUIDES - In Order by Length



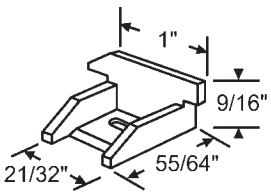
60-912
Black
CAPITOL



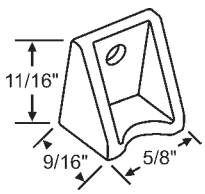
60-616
PAN AM

60 SERIES BALANCE ACCESSORIES

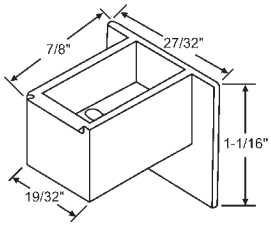
PLASTIC TOP SASH GUIDES - In Order by Length



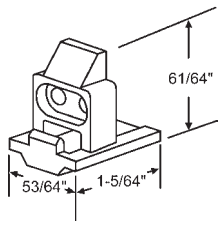
60-619
LH & RH Set
PAN AM



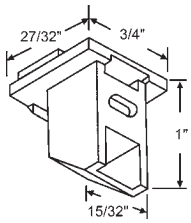
900-6912
Black



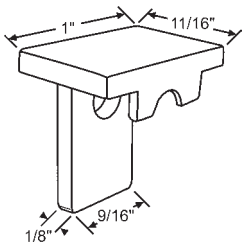
60-632
KING



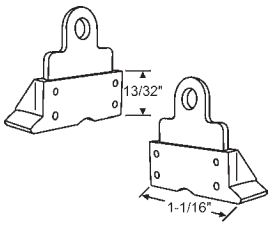
60-630
CAPITOL



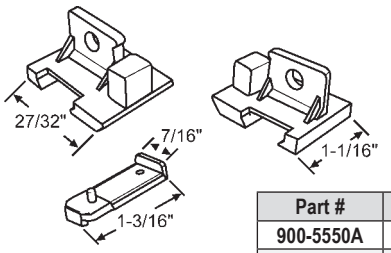
60-621



900-9500P
White Nylon
SECURITY

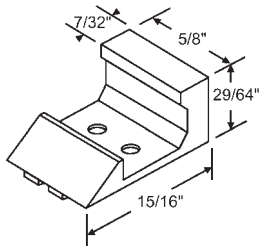


60-620
Pair
CROSSLY

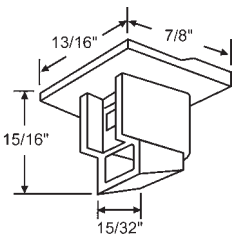


Part #	Color
900-5550A	Natural
900-5550BA	Black

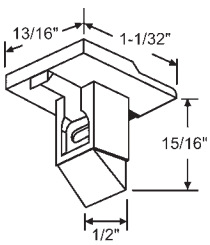
Set
YALE OGRON



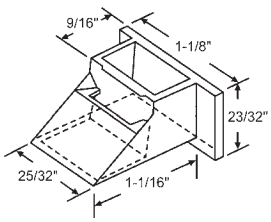
60-640
Nylon
GENERAL ALUMINUM/PAN AM



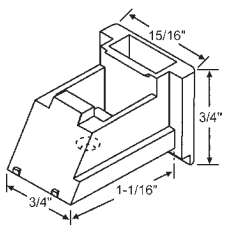
60-600
PENNCO



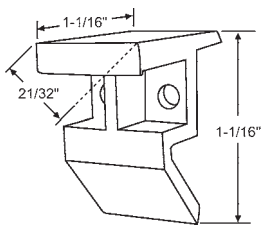
60-601
PENNCO



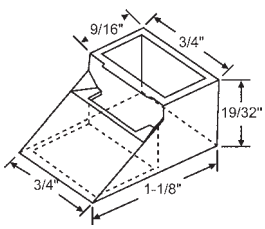
60-629



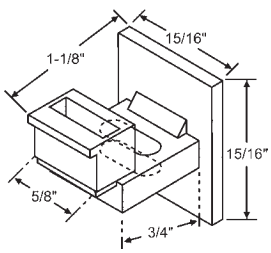
900-14149BA
LH & RH Set. Black
BINNINGS



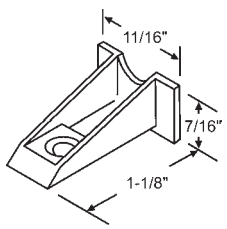
60-672
White
CAPITOL



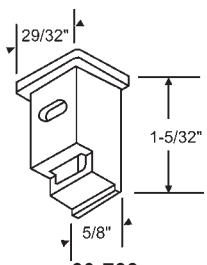
60-643



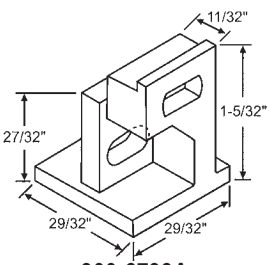
900-18946
Black



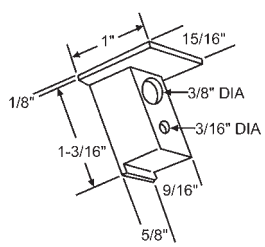
900-10150
Sash Guide. Nylon
LOOK



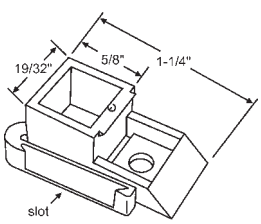
60-733
Black
GALLATIN/GAPCO



900-6799A
LH & RH Set, White
GAPCO

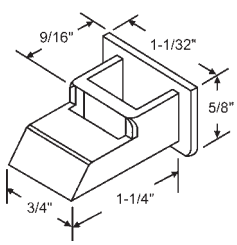


60-727
Black
ALENCO

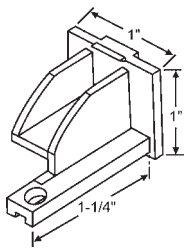


Part #	Hand
60-605	Shown
60-606	Opposite

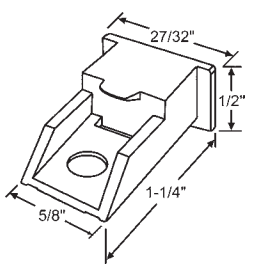
Weatherstripping not included.
IDA



60-645



60-676BA
LH & RH Set. Black



900-20578
White Nylon
LAWSON

AZA SALES
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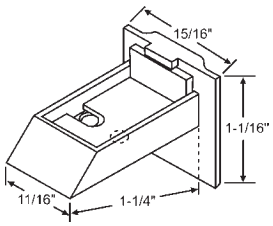
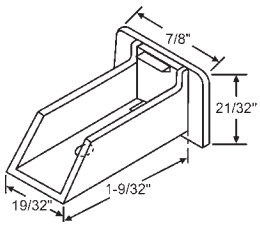
60 SERIES BALANCE ACCESSORIES

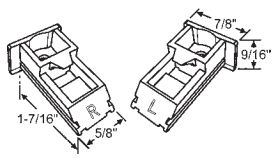
PLASTIC TOP SASH GUIDES - In Order by Length



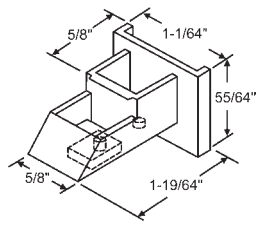
900-15838X
Black Plastic
JORDAN



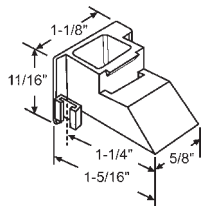
60-658
JORDAN



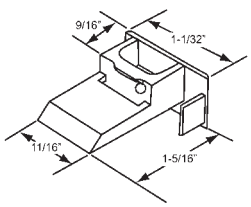
900-20576NS-SET
LH & RH Set. White
LAWSON



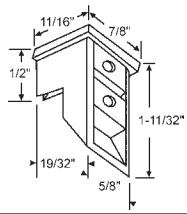
60-651A
LH & RH Set
SUGAR CREEK



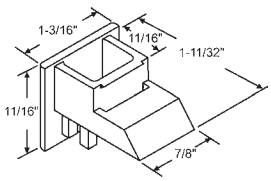
900-9963
LH & RH Set



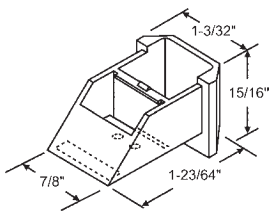
60-732A
Nylon. Sold In Sets Only
NU-AIRE



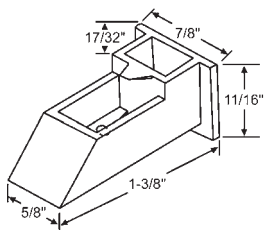
Part #	Color
60-602	White
60-602B	Black



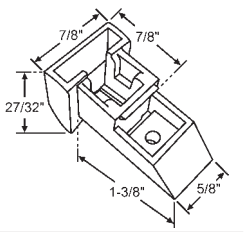
900-13531A
LH & RH Set, Black
MANNIX



60-661
Black

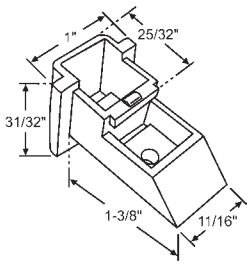


900-10066
KINCO

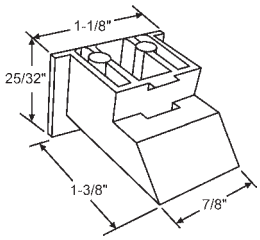


Part #	Color
60-935	White
60-935B	Black

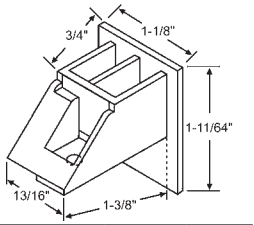
LAWSON



900-10331
Black
MILLER

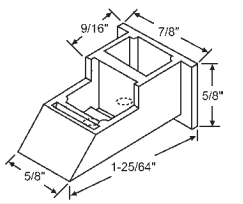


60-958
Black Nylon



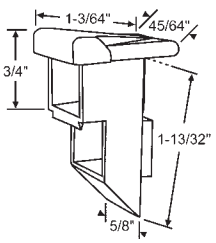
Part #	Hand	Color
900-13071LH	Shown	Black
900-13071RH	Opposite	Black
900-13071LW	Shown	White
900-13071RW	Opposite	White

Nylon
EFCO

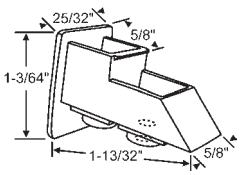


Part #	Color
60-6004	White
60-6004BG	Beige

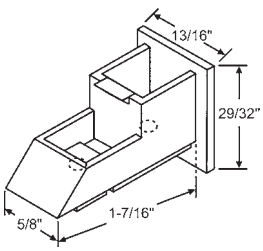
VBP /GENERAL ALUMINUM / BETTER BILT



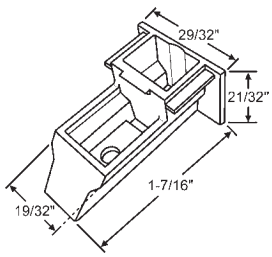
60-624
White
GRAHAM



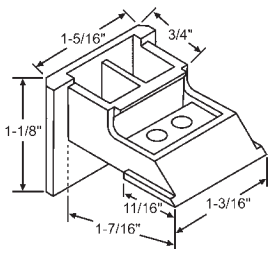
60-653
CROSSLY



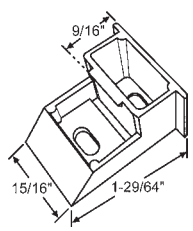
900-13061
Black



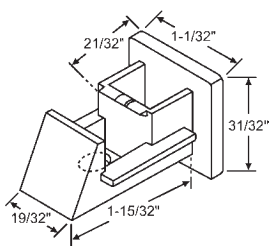
60-993
Black
METAL INDUSTRIES



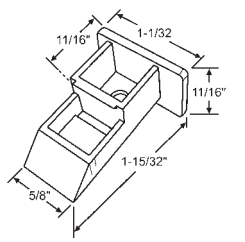
900-15768
Black



60-963
Natural

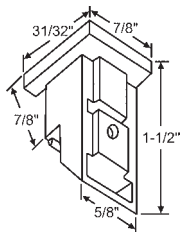


60-641
BINNINGS

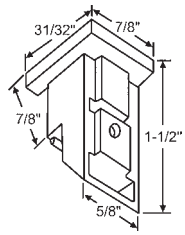


Part #	Color
60-957	Black
60-957W	White

LH & RH Set
YALE OGRON



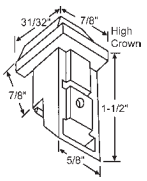
900-1852
3/16" dia. hole. Hole center up 17/32" from bottom.



60-612
Hole center
up 9/16" from bottom.

60 SERIES BALANCE ACCESSORIES

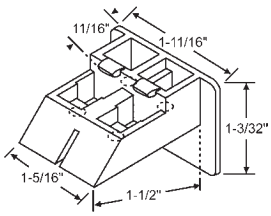
PLASTIC TOP SASH GUIDES - In Order by Length



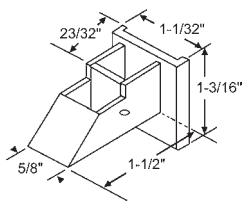
Part #	Color
60-613	Natural
60-613B	Black

Hole center up 9/16" from bottom.

CROSSLY

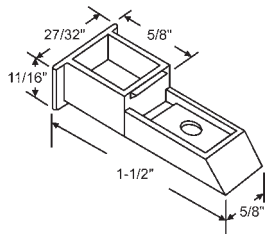


900-19798
White



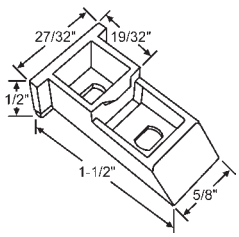
60-652A
LH & RH Set

ALSCO/ANACONDA



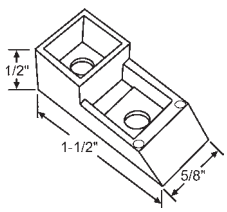
60-618
White

SEASONALL



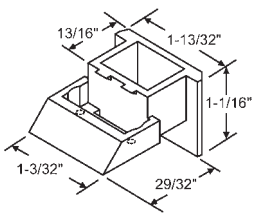
900-10122
Natural

KINCO



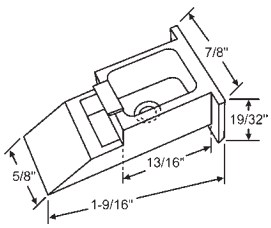
900-10122-OS
Nylon

KINCO



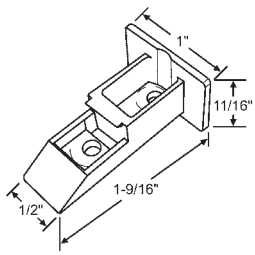
60-646
Black

BINNINGS

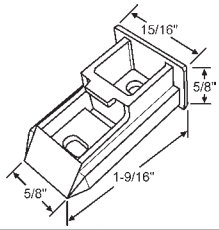


Part #	Color
900-16080	Black
900-16080W	White

HARCAR

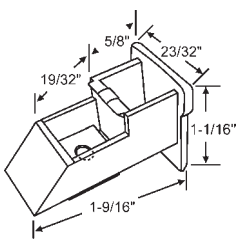


60-971
White Nylon



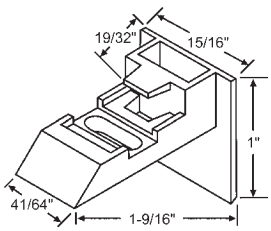
Part #	Color
60-633	Natural
60-633B	Black

PGT 4000 SERIES



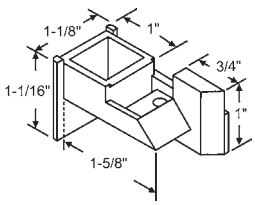
60-604

HOWMET



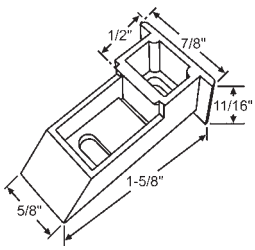
60-675
White

ROLLYSON

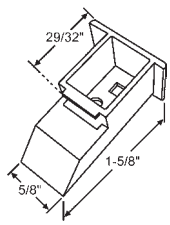


60-666
LH & RH Set. Black

MANNIX

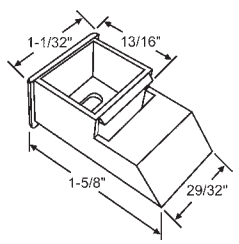


900-1855
White Nylon

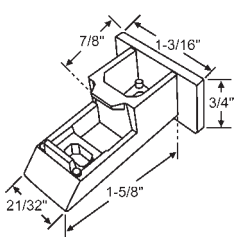


Part #	Hand
60-964LH	Shown
60-964RH	Opposite

White

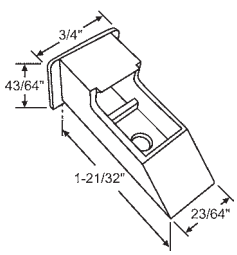


900-8990
White



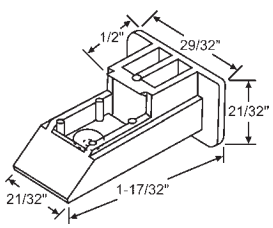
60-962
White

LAWSON



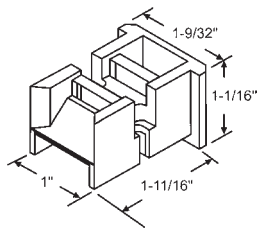
900-20577
Nylon

SEASONSHIELD



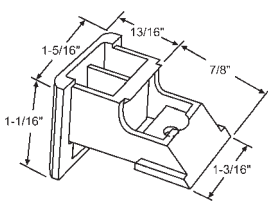
900-11075
White

BELLVIEW

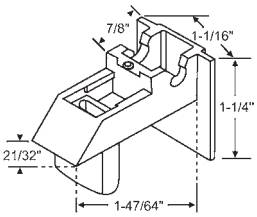


60-648
Black

KAWNEER/WIDING

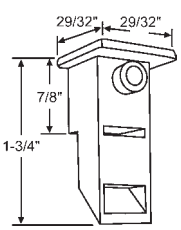


900-15744
Black



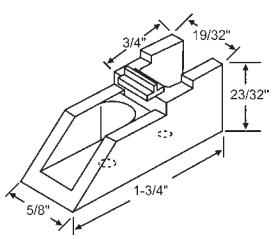
Part #	Color
60-657WH	White
60-657BL	Black
60-657BG	Beige
60-657BR	Brown

FIBERLUX



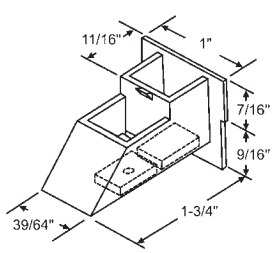
60-622

REYNOLDS



60-647
White

MILCO



60-659
White

KING

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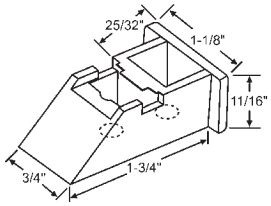
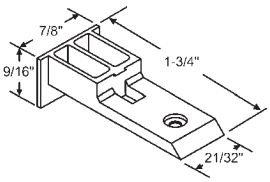
60 SERIES BALANCE ACCESSORIES

PLASTIC TOP SASH GUIDES - In Order by Length

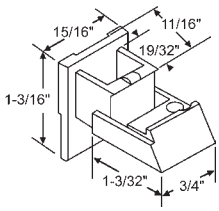


60-642

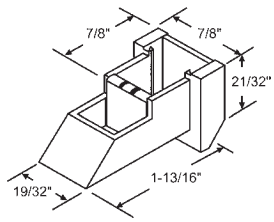


Part #	Color
900-18140W	White
900-18140B	Black

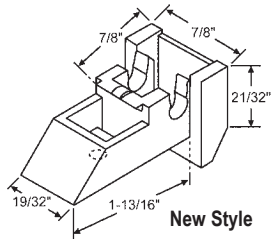
NORANDEX



900-1884A
LH & RH Set. Black
MANNIX

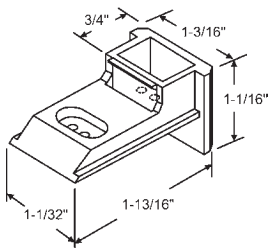


Old Style
No Longer Available
Use 60-654

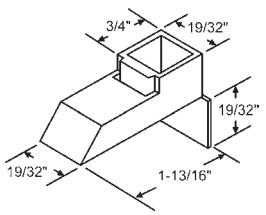


New Style

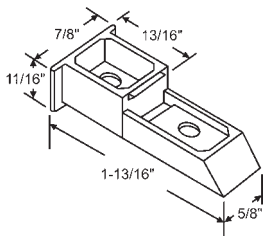
60-654
Old Style No Longer Available
SEASONALL



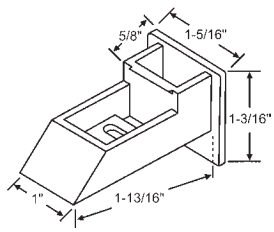
60-644
Black
STORM WEATHER



60-656
Black
HOWARD

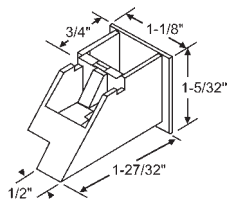


60-617
White

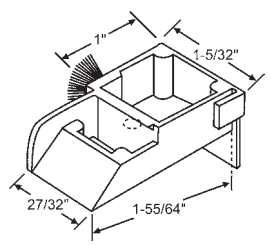


900-14664

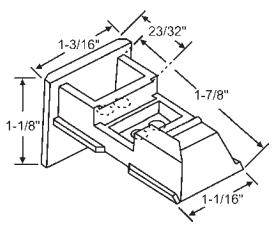
SEASONALL



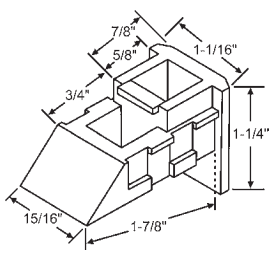
60-649A
LH & RH Set, Black
PECO



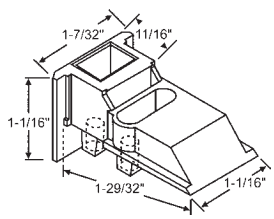
900-16514A
LH & RH Set w/Weatherstrip. Black
ALENCO



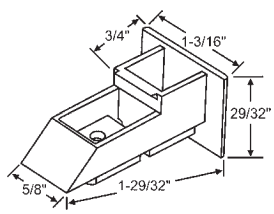
900-15743BA
LH & RH Set, Black



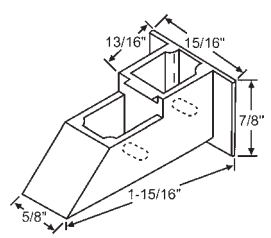
60-660
Black



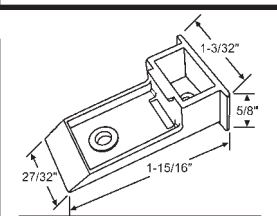
900-15755BA
LH & RH Set, Black
STORM WEATHER



900-11106
Black

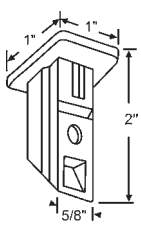


900-16814
Black

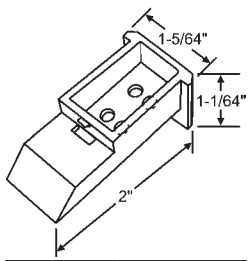


Part #	Color
60-6006	White
60-6006B	Black

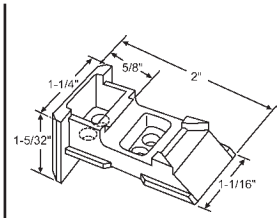
Plastic
IWC



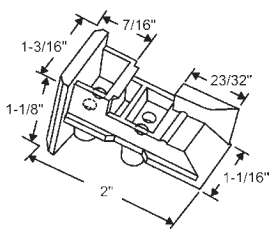
60-582
White
SEASONALL



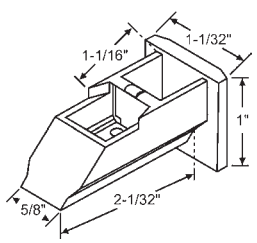
Part #	Color
60-942W	White
60-942	Black



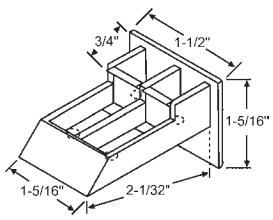
60-941
Black
TRACO



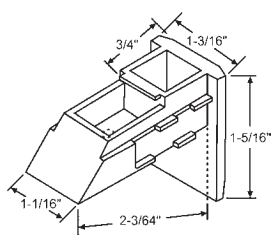
900-15743BA
LH & RH Set
Black



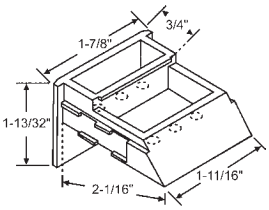
900-15245
White (Original Color Gray)
AMACOR



900-12814
Black



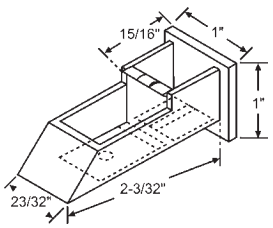
60-650
Black



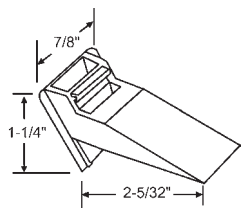
900-15441B
Black

60 SERIES BALANCE ACCESSORIES

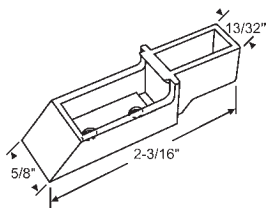
PLASTIC TOP SASH GUIDES - In Order by Length



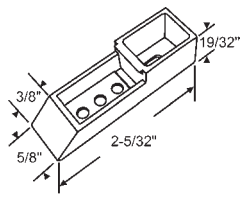
900-10067
Sash Guide. Nylon



60-610
Black
ACORN

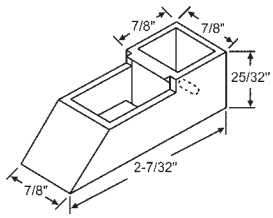


60-668
ALPINE

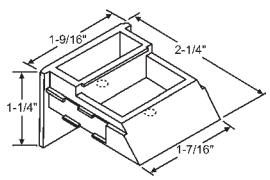


Part #	Color
60-603	White
60-603B	Black

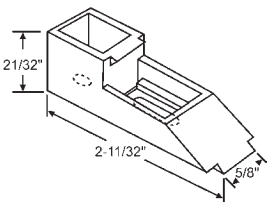
CLEARVIEW



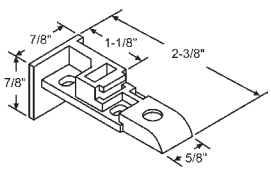
900-14356
White



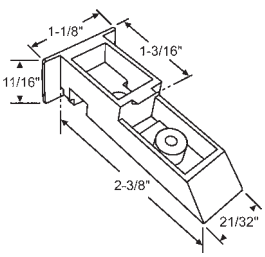
900-1882B
Black
GRAHAM



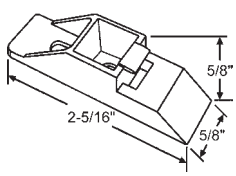
60-623
Natural



60-684A
RH & LH Set. RH Shown
White

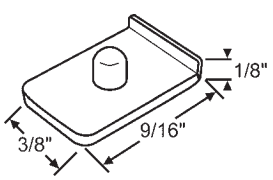


60-5008
White
SILVER LINE

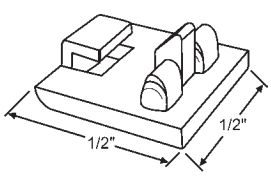


60-968W
JORDAN

FACE GUIDE



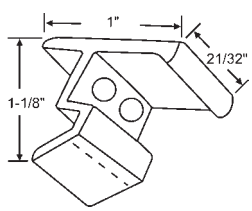
2732P
NU-AIR



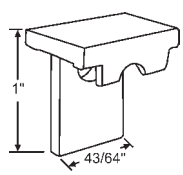
Part #	Color
900-19990	White
900-19990B	Black

Nylon Face Guide

METAL SASH GUIDES

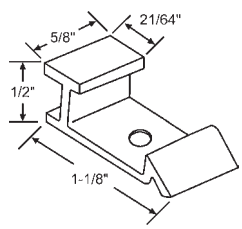


900-14964-A

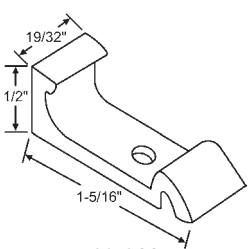


Part #	Color
900-9500AW	White
900-9500AB	Bronze
900-9500AL	Aluminum

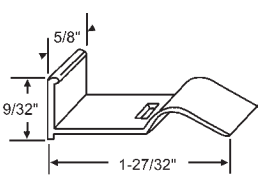
Aluminum
SECURITY



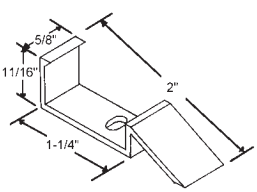
60-609
HOWARD



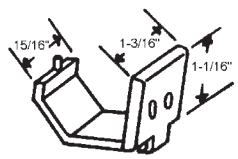
60-611



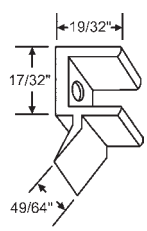
60-663
CAPITOL



900-10396

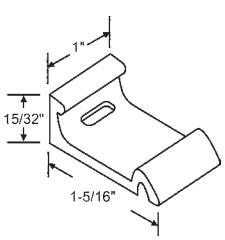


900-9250
Bronze
CAPITOL

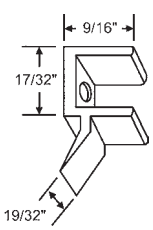


60-608
CAPITOL

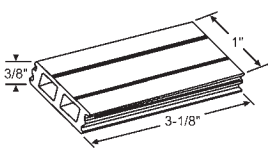
SASH STOPS



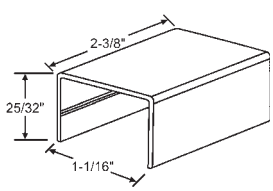
60-665
CROSSLY



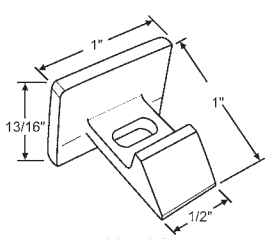
60-607
CAPITOL



60-705
White Rubber
CAPITOL



60-6009W
White
PGT



60-721
Plastic

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PH: 631-979-9261 FAX: 631-979-8245
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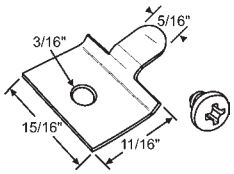
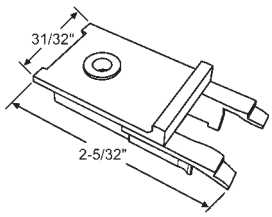
60 SERIES BALANCE ACCESSORIES

SASH STOPS

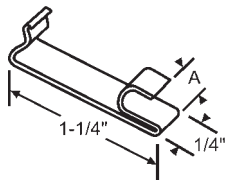


900-16788
YALE OGRON

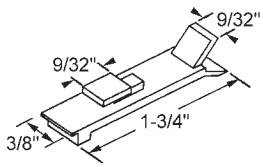


900-9400
Black
ACORN

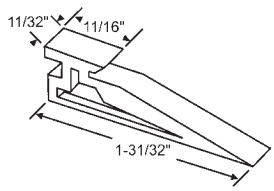
TAKE OUT CLIPS



Part #	Description
60-700	A=1/4"
60-708	A=5/16"

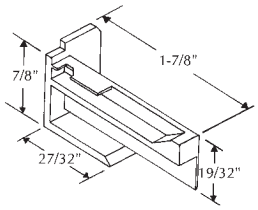


60-662
Plastic
PAN AM

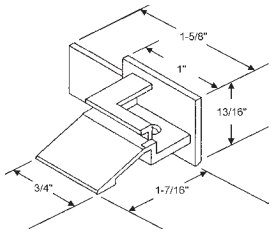


60-701
Frame Guide
IDA

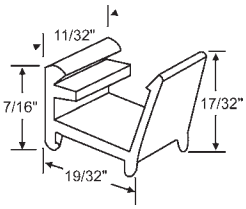
60 SERIES MISCELLANEOUS



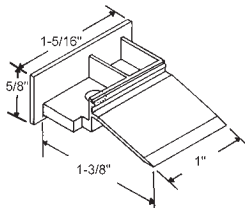
900-14926WA
LH & RH Anti-Draft Plug Set.
White
SEASONALL



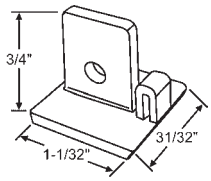
60-673
Vent Clip Sash Guides - Pair
White
ROLLYSON



60-515
Extender

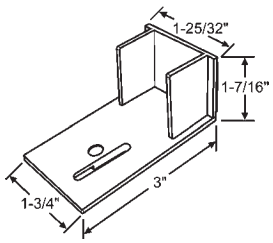


60-674BA
Black Vent Clips - Pair
ROLLYSON



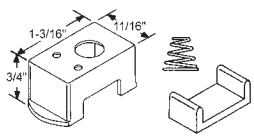
Part #	Color
60-664	White
60-664B	Black

Nylon Vent Bracket.
YALE OGRON

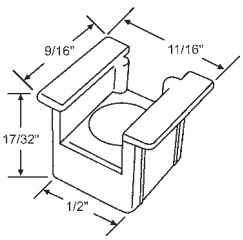


Part #	Hand
60-687RB	Shown
60-687LB	Opposite

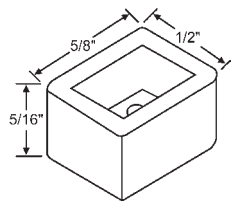
Dust Cap. Black



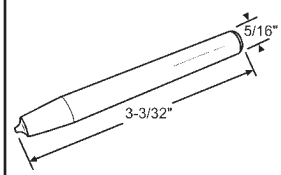
60-906
3 Piece Balance Guide Assembly
LOUISIANA PACIFIC



60-614
Square Guide
WT INDUSTRIES



900-13360
Black Face Guide
SWS

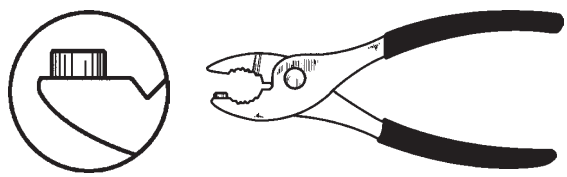


59-81
Rivet Installation Tool

WINDOW BALANCE RIVET TOOLS

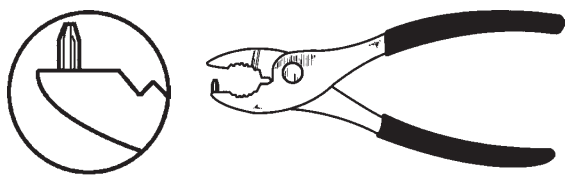
For Channel and Tube Balances "A Must for Repair and Assembly of Balance Brackets" (Tube & Channel)
Professional Results! Say Good-bye to Hammered Fingers! **FAST - EFFICIENT - COST EFFECTIVE**

RIVET CRIMPING PLIERS



59-1
Adjusts to accommodate both tube and channel balances.

RIVET REMOVAL PLIERS



59-2

59-3
Replacement pin for rivet removal pliers

For tube balances, simply line up pin with peened rivet and squeeze. Rivet will be pushed out. For channel balances, grind or file rivet flush and then squeeze to remove rivet.

60A AND 60AX SERIES - THE INVISIBLE BALANCE

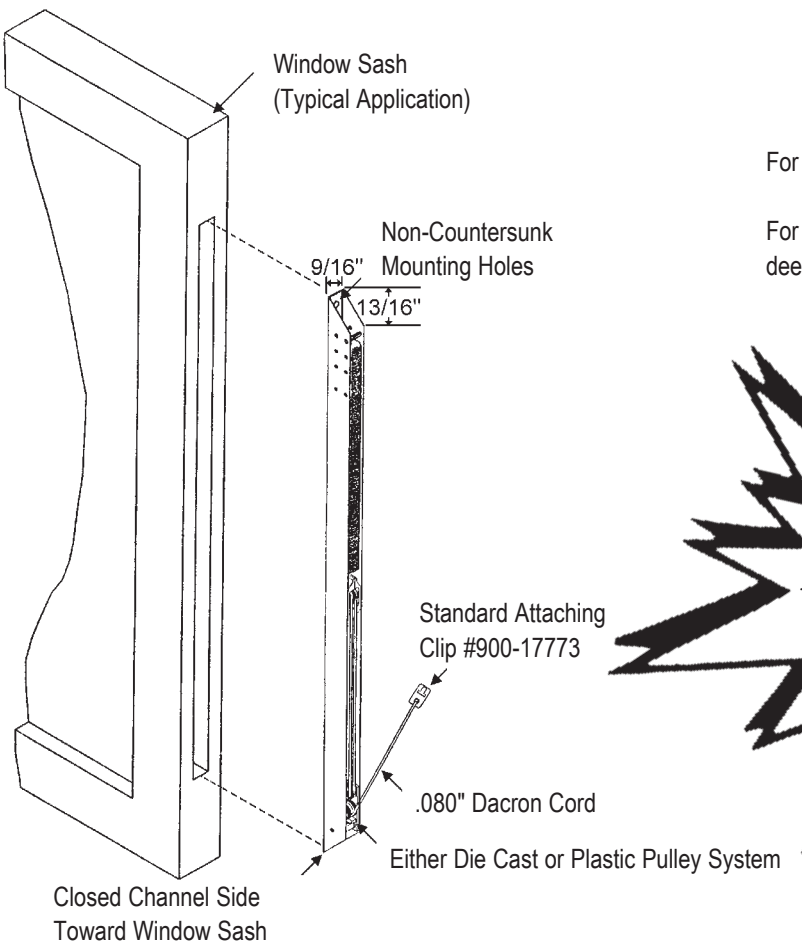
The Invisible Balance has been used for over 25 years, primarily for wood windows. They are an excellent choice for historic window renovations, eliminating exposed hardware and maintaining the original window appearance. This product is the favorite of the custom millwork industry when jambliner aesthetics are not acceptable.

ORDERING INFORMATION:

1) Measure metal channel length.
2) Check number stamped on channel. (e.g. 101 or 101A or 101AX etc.)
3) Select our corresponding part numbers from the chart on following page and order accordingly.
4) Additional cord lengths are available: for 10" add "A" after part number, 5" add "B" and 8" add "C". Contact your account manager for other variations.

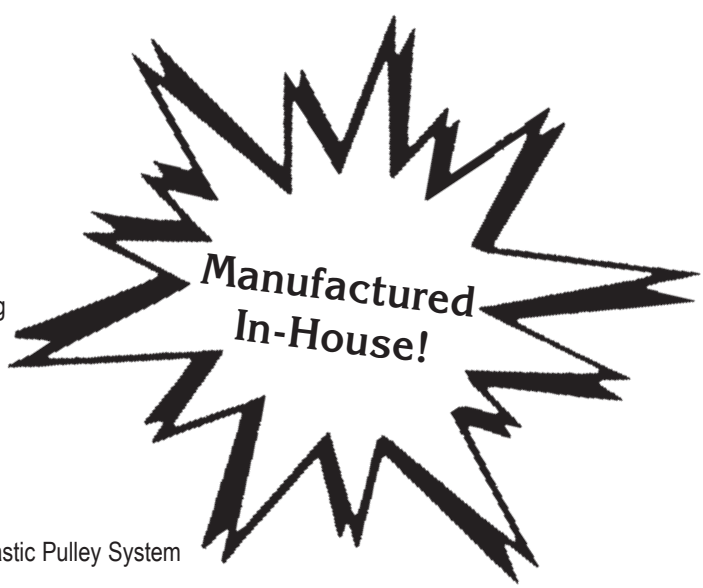
NOTE: If you have any unusual number/letter variations that are not shown in the chart, please consult your representative to be sure that your order will be filled correctly.

NOTE: With the 60A and 60AX series take out system, the sash balance becomes part of the sash. Therefore, when calculating sash weights, you must add the physical balance weight to the sash weights.



For **"A" type balance** make plough in sash 5/8" wide X 1" deep.

For **"AX" type balance** make plough in sash 5/8" wide X 1-1/8" deep to accommodate double spring.



Refer to chart on following page.

SERIES A/AX BALANCE INSTALLATION

- Both "A" and "AX" balances are designed to counterbalance certain weights, regardless of the thickness of the sash. Do not overload.
- For odd height glass use the next smaller balance.
- When ploughing for over 36" glass height start at bottom of each sash, as always, and make groove the same length as you do for 36" glass leaving extra wood at top of stiles.

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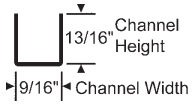
60A AND 60AX SERIES - THE INVISIBLE BALANCE

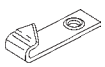


Old style is slotted; new style is not.

Bottom View

End Brackets

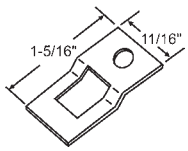
900-17773



60-518HD

900-21263
(Preferred) Brass Fitting with Round Screw Hole

Attaching Clip



60-704M

Standard **-1** **-10**

Example Ordering Chart

Length of Metal Channel	Number Stamped on Balance	Our Part Number	End Bracket	Cord Length	Complete Part Number
13-1/2"	101	**60-A101**	Standard	Standard	**60-A101**
13-1/2"	101	**60-A101**	1	Standard	**60-A101-1**
13-1/2"	101	**60-A101**	10	Standard	**60-A101-10**
13-1/2"	101	**60-A101**	10	+ 10"	**60-A101-10A**
13-1/2"	101	**60-A101**	10	+ 5"	**60-A101-10B**
13-1/2"	101	**60-A101**	10	+ 8"	**60-A101-10C**

"A" TYPE (Single Spring)

Glass Height	Length of Metal Channel	Balance Number	Sash Weight Per Pair	Standard Cord Length	Our Part Number
12"	13-1/2"	101	5-7 lbs.	31"	**60-A101**
12"	13-1/2"	102	7-11 lbs.	31"	**60-A102**
14"	15-1/2"	111	5-8 lbs.	33"	**60-A111**
14"	15-1/2"	112	8-11 lbs.	33"	**60-A112**
16"	17-1/2"	121	5-9 lbs.	35"	**60-A121**
16"	17-1/2"	122	9-12 lbs.	35"	**60-A122**
18"	19-1/2"	131	5-9 lbs.	37"	**60-A131**
18"	19-1/2"	132	9-13 lbs.	37"	**60-A132**
20"	21-1/2"	141	5-9 lbs.	39"	**60-A141**
20"	21-1/2"	142	9-12 lbs.	39"	**60-A142**
20"	21-1/2"	143	12-14 lbs.	39"	**60-A143**
22"	23-1/2"	151	6-10 lbs.	41"	**60-A151**
22"	23-1/2"	152	10-12 lbs.	41"	**60-A152**
22"	23-1/2"	153	12-15 lbs.	41"	**60-A153**
24"	25-1/2"	161	6-10 lbs.	43"	**60-A161**
24"	25-1/2"	162	10-14 lbs.	43"	**60-A162**
24"	25-1/2"	163	14-18 lbs.	43"	**60-A163**
26"	27-1/2"	171	6-10 lbs.	45"	**60-A171**
26"	27-1/2"	172	10-14 lbs.	45"	**60-A172**
26"	27-1/2"	173	14-18 lbs.	45"	**60-A173**
28"	29-1/2"	181	7-12 lbs.	47"	**60-A181**
28"	29-1/2"	182	12-16 lbs.	47"	**60-A182**
28"	29-1/2"	183	16-20 lbs.	47"	**60-A183**
30"	31-1/2"	191	7-12 lbs.	49"	**60-A191**
30"	31-1/2"	192	12-16 lbs.	49"	**60-A192**
30"	31-1/2"	193	16-20 lbs.	49"	**60-A193**
32"	33-1/2"	201	8-14 lbs.	51"	**60-A201**
32"	33-1/2"	202	14-18 lbs.	51"	**60-A202**
32"	33-1/2"	203	18-22 lbs.	51"	**60-A203**
34"	35-1/2"	211	8-14 lbs.	53"	**60-A211**
34"	35-1/2"	212	14-18 lbs.	53"	**60-A212**
34"	35-1/2"	213	18-22 lbs.	53"	**60-A213**
36"	37-1/2"	221	8-15 lbs.	53"	**60-A221**
36"	37-1/2"	222	15-20 lbs.	55"	**60-A222**
36"	37-1/2"	223	20-24 lbs.	55"	**60-A223**
38"	37-1/2"	231	8-15 lbs.	57"	**60-A231**
38"	37-1/2"	232	15-20 lbs.	57"	**60-A232**
38"	37-1/2"	233	20-24 lbs.	57"	**60-A233**
40"	37-1/2"	241	8-15 lbs.	59"	**60-A241**
40"	37-1/2"	242	15-20 lbs.	59"	**60-A242**
40"	37-1/2"	243	20-24 lbs.	59"	**60-A243**
42"	37-1/2"	251	8-15 lbs.	61"	**60-A251**
42"	37-1/2"	252	15-20 lbs.	61"	**60-A252**
42"	37-1/2"	253	20-24 lbs.	61"	**60-A253**

NOTE: Whenever you add cord length to standard length you reduce the sash weight capacity and forfeit the warranty.

NOTE: Numbers stamped on balances may be the same -single spring designated by "A" -double spring designated by "AX".

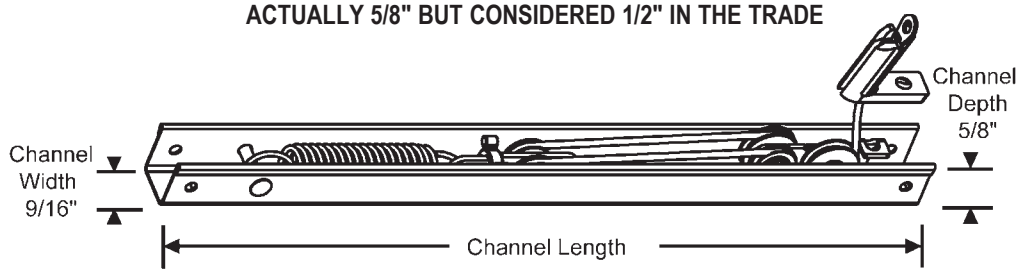
NOTE: When determining sash weight, you need to include the weight of the balances. (e.g. Sash weighs 20 lbs. (2) balances weigh 3 lbs. Total sash weight is 23 lbs.)

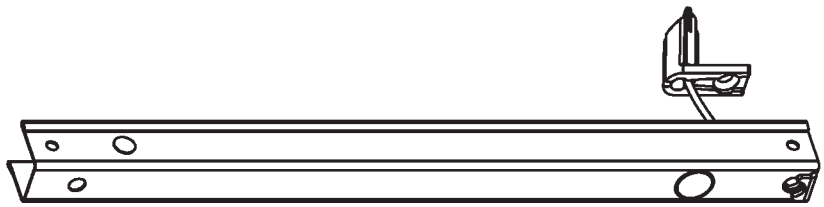
"AX" TYPE (Double Spring)

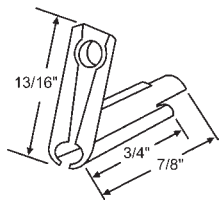
Glass Height	Length of Metal Channel	Balance Number	Sash Weight Per Pair	Standard Cord Length	Our Part Number
12"	13-1/2"	101AX	11-16 lbs.	31"	**60-AX101**
12"	13-1/2"	102AX	16-24 lbs.	31"	**60-AX102**
14"	15-1/2"	111AX	11-16 lbs.	33"	**60-AX111**
14"	15-1/2"	112AX	16-25 lbs.	33"	**60-AX112**
16"	17-1/2"	121AX	12-19 lbs.	35"	**60-AX121**
16"	17-1/2"	122AX	19-26 lbs.	35"	**60-AX122**
18"	19-1/2"	131AX	13-19 lbs.	37"	**60-AX131**
18"	19-1/2"	132AX	19-26 lbs.	37"	**60-AX132**
20"	21-1/2"	141AX	14-20 lbs.	39"	**60-AX141**
20"	21-1/2"	142AX	20-26 lbs.	39"	**60-AX142**
20"	21-1/2"	143AX	26-30 lbs.	39"	**60-AX143**
22"	23-1/2"	151AX	15-20 lbs.	41"	**60-AX151**
22"	23-1/2"	152AX	20-26 lbs.	41"	**60-AX152**
22"	23-1/2"	153AX	26-32 lbs.	41"	**60-AX153**
24"	25-1/2"	161AX	18-23 lbs.	43"	**60-AX161**
24"	25-1/2"	162AX	23-28 lbs.	43"	**60-AX162**
24"	25-1/2"	163AX	28-34 lbs.	43"	**60-AX163**
24"	25-1/2"	164AX	34-38 lbs.	43"	**60-AX164**
26"	27-1/2"	171AX	18-23 lbs.	45"	**60-AX171**
26"	27-1/2"	172AX	23-28 lbs.	45"	**60-AX172**
26"	27-1/2"	173AX	28-34 lbs.	45"	**60-AX173**
26"	27-1/2"	174AX	34-38 lbs.	45"	**60-AX174**
28"	29-1/2"	181AX	20-25 lbs.	47"	**60-AX181**
28"	29-1/2"	182AX	25-32 lbs.	47"	**60-AX182**
28"	29-1/2"	183AX	32-38 lbs.	47"	**60-AX183**
28"	29-1/2"	184AX	38-42 lbs.	47"	**60-AX184**
30"	31-1/2"	191AX	20-25 lbs.	49"	**60-AX191**
30"	31-1/2"	192AX	25-32 lbs.	49"	**60-AX192**
30"	31-1/2"	193AX	32-38 lbs.	49"	**60-AX193**
30"	31-1/2"	194AX	38-42 lbs.	49"	**60-AX194**
32"	33-1/2"	201AX	22-28 lbs.	51"	**60-AX201**
32"	33-1/2"	202AX	28-34 lbs.	51"	**60-AX202**
32"	33-1/2"	203AX	34-40 lbs.	51"	**60-AX203**
32"	33-1/2"	204AX	40-44 lbs.	51"	**60-AX204**
34"	35-1/2"	211AX	22-28 lbs.	53"	**60-AX211**
34"	35-1/2"	212AX	28-34 lbs.	53"	**60-AX212**
34"	35-1/2"	213AX	34-40 lbs.	53"	**60-AX213**
34"	35-1/2"	214AX	40-44 lbs.	53"	**60-AX214**
36"	37-1/2"	221AX	24-30 lbs.	55"	**60-AX221**
36"	37-1/2"	222AX	30-36 lbs.	55"	**60-AX222**
36"	37-1/2"	223AX	36-42 lbs.	55"	**60-AX223**
36"	37-1/2"	224AX	42-48 lbs.	55"	**60-AX224**
38"	37-1/2"	231AX	24-30 lbs.	57"	**60-AX231**
38"	37-1/2"	232AX	30-36 lbs.	57"	**60-AX232**
38"	37-1/2"	233AX	36-42 lbs.	57"	**60-AX233**
38"	37-1/2"	234AX	42-48 lbs.	57"	**60-AX234**
40"	37-1/2"	241AX	24-30 lbs.	59"	**60-AX241**
40"	37-1/2"	242AX	30-36 lbs.	59"	**60-AX242**
40"	37-1/2"	243AX	36-42 lbs.	59"	**60-AX243**
40"	37-1/2"	244AX	42-48 lbs.	59"	**60-AX244**
42"	37-1/2"	251AX	24-30 lbs.	61"	**60-AX251**
42"	37-1/2"	252AX	30-36 lbs.	61"	**60-AX252**
42"	37-1/2"	253AX	36-42 lbs.	61"	**60-AX253**
42"	37-1/2"	254AX	42-48 lbs.	61"	**60-AX254**

60P SERIES 1/2" CHANNEL BALANCE (PEACHTREE -ARIEL NON-TILT)

ACTUALLY 5/8" BUT CONSIDERED 1/2" IN THE TRADE







60P-500
Black
Balance Terminal Plug
PEACHTREE

Ordering Information

1) Measure metal channel length.
2) Identify number stamped on channel.
3) Select our corresponding part number from the chart below.

Note: Balances measuring 29-1/4" long are no longer manufactured. We recommend using the 32-1/4" balance. See chart below for weight ranges and select corresponding part number.

Peachtree Window Size	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Weight Capacity
D2436	**60P-134**	14-1/4"	13-1/4 - 4	10 to 12
D2440	**60P-154**	16-1/4"	15-1/4 - 4	11 to 13
D2448	**60P-194**	20-1/4"	19-1/4 - 4	13 to 17
D2454	**60P-223**	23-1/4"	22-1/4 - 3	13 to 19
D2460	**60P-253**	26-1/4"	25-1/4 - 3	16 to 19
D2472	**60P-313**	32-1/4"	31-1/4 - 3	17 to 23
D3036	**60P-134**	14-1/4"	13-1/4 - 4	10 to 12
D3040	**60P-154**	16-1/4"	15-1/4 - 4	11 to 13
D3048	**60P-194**	20-1/4"	19-1/4 - 4	13 to 17
D3054	**60P-223**	23-1/4"	22-1/4 - 3	13 to 19
D3060	**60P-253**	26-1/4"	25-1/4 - 3	16 to 19
D3072	**60P-314**	32-1/4"	31-1/4 - 4	24 to 28
D3636	**60P-135**	14-1/4"	13-1/4 - 5	13 to 17
D3640	**60P-155**	16-1/4"	15-1/4 - 5	14 to 17
D3648	**60P-194**	20-1/4"	19-1/4 - 4	13 to 17
D3654	**60P-224**	23-1/4"	22-1/4 - 4	20 to 23
D3660	**60P-254**	26-1/4"	25-1/4 - 4	20 to 25
D3672	**60P-314**	32-1/4"	31-1/4 - 4	24 to 28
D4236	**60P-135**	14-1/4"	13-1/4 - 5	13 to 17
D4240	**60P-156**	16-1/4"	15-1/4 - 6	18 to 22
D4248	**60-196**	20-1/4"	19-1/4 - 6	22 to 26
D4248	**60P-199**	20-1/4"	19-1/4 - 9	27 to 30
D4254	**60P-224**	23-1/4"	22-1/4 - 4	20 to 23
D4254	**60P-229**	23-1/4"	22-1/4 - 9	28 to 30
D4260	**60P-254**	26-1/4"	25-1/4 - 4	20 to 25
D4260	**60P-255**	26-1/4"	25-1/4 - 5	26 to 31
D4272	**60P-315**	32-1/4"	31-1/4 - 5	29 to 32
D4272	**60P-316**	32-1/4"	31-1/4 - 6	33 to 35
D4272	**60P-319**	32-1/4"	31-1/4 - 9	36 to 38

Actual size is 1" more than stamp on balances.

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60G SERIES CHANNEL BALANCE (HURD MILWORK / THERMAL WINDOWS)

Bottom bracket not sold separately. Bottom bracket contains a roller.

INSTRUCTIONS

1. Measure metal channel length (do not include plastic ends, metal channel only)
2. Check number stamped on balance (e.g.: 24-1, 36-3, etc.)
3. Select our corresponding part number from chart below
4. Select your ends and clip combination from the list and add suffix to end of part number you choose from chart.

***Note:** When ordering balances where the number stamped on balance ends with DS (example 21DS) you need to specify the exact sash weight within the range listed on the chart.
Ordering Example: Number stamped on balance is 21DS, exact sash weight is 34 lbs. and the end clip combination is -1, you would then order part number 60G-21DS34

Example Ordering Chart

Length of Metal Channel	Number Stamped on Balance	Our Part Number	End Clip Combination	Complete Part Number
24-5/8"	24-3	**60G-243**	-1	**60G-243-1**

Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number
12-5/8"	12-1	3-6	**60G-121**	16-5/8"	16-5	18-22	**60G-165**	21-5/8"	21-3	11-14	**60G-213**
12-5/8"	12-2	6-9	**60G-122**	16-5/8"	16-9	22-26	**60G-169**	21-5/8"	21-4	14-22	**60G-214**
12-5/8"	12-3	9-11	**60G-123**	16-5/8"	16DS*	27-35	**60G-16DS***	21-5/8"	21-5	22-25	**60G-215**
12-5/8"	12-4	11-12	**60G-124**	17-5/8"	17-1	4-7	**60G-171**	21-5/8"	21-9	25-30	**60G-219**
12-5/8"	12-5	12-15	**60G-125**	17-5/8"	17-2	7-11	**60G-172**	21-5/8"	21DS*	31-40	**60G-21DS***
12-5/8"	12-6	15-18	**60G-126**	17-5/8"	17-3	11-13	**60G-173**	22-5/8"	22-1	4-7	**60G-221**
12-5/8"	12-9	18-21	**60G-129**	17-5/8"	17-4	13-15	**60G-174**	22-5/8"	22-2	7-11	**60G-222**
12-5/8"	12DS*	22-30	**60G-12DS***	17-5/8"	17-5	15-19	**60G-175**	22-5/8"	22-3	11-18	**60G-223**
13-5/8"	13-1	3-6	**60G-131**	17-5/8"	17-9	19-26	**60G-179**	22-5/8"	22-4	18-22	**60G-224**
13-5/8"	13-2	6-9	**60G-132**	17-5/8"	17DS*	27-35	**60G-17DS***	22-5/8"	22-5	22-26	**60G-225**
13-5/8"	13-3	9-11	**60G-133**	18-5/8"	18-1	4-7	**60G-181**	22-5/8"	22-9	26-30	**60G-229**
13-5/8"	13-4	11-12	**60G-134**	18-5/8"	18-2	7-11	**60G-182**	22-5/8"	22DS*	31-40	**60G-22DS***
13-5/8"	13-5	12-16	**60G-135**	18-5/8"	18-3	11-13	**60G-183**	23-5/8"	23-1	4-8	**60G-231**
13-5/8"	13-6	16-19	**60G-136**	18-5/8"	18-4	13-16	**60G-184**	23-5/8"	23-2	8-14	**60G-232**
13-5/8"	13-9	16-22	**60G-139**	18-5/8"	18-5	16-23	**60G-185**	23-5/8"	23-3	14-17	**60G-233**
13-5/8"	13DS*	22-35	**60G-13DS***	18-5/8"	18-6	23-26	**60G-186**	23-5/8"	23-4	17-21	**60G-234**
14-5/8"	14-1	4-6	**60G-141**	18-5/8"	18-9	26-29	**60G-189**	23-5/8"	23-5	21-26	**60G-235**
14-5/8"	14-2	6-9	**60G-142**	18-5/8"	18DS*	30-35	**60G-18DS***	23-5/8"	23-9	26-30	**60G-239**
14-5/8"	14-3	9-11	**60G-143**	19-5/8"	19-1	4-7	**60G-191**	23-5/8"	23DS*	31-40	**60G-23DS***
14-5/8"	14-4	11-12	**60G-144**	19-5/8"	19-2	7-11	**60G-192**	24-5/8"	24-1	4-8	**60G-241**
14-5/8"	14-5	12-17	**60G-145**	19-5/8"	19-3	11-15	**60G-193**	24-5/8"	24-2	8-14	**60G-242**
14-5/8"	14-6	17-22	**60G-146**	19-5/8"	19-4	15-16	**60G-194**	24-5/8"	24-3	14-18	**60G-243**
14-5/8"	14-9	22-25	**60G-149**	19-5/8"	19-5	16-20	**60G-195**	24-5/8"	24-4	18-23	**60G-244**
14-5/8"	14DS*	26-35	**60G-14DS***	19-5/8"	19-6	20-25	**60G-196**	24-5/8"	24-5	23-29	**60G-245**
15-5/8"	15-1	4-6	**60G-151**	19-5/8"	19-9	25-29	**60G-199**	24-5/8"	24-9	29-34	**60G-249**
15-5/8"	15-2	6-8	**60G-152**	19-5/8"	19DS*	30-40	**60G-19DS***	24-5/8"	24DS*	35-45	**60G-24DS***
15-5/8"	15-3	8-11	**60G-153**	20-5/8"	20-1	4-7	**60G-201**	25-5/8"	25-1	4-8	**60G-251**
15-5/8"	15-4	11-12	**60G-154**	20-5/8"	20-2	7-11	**60G-202**	25-5/8"	25-2	8-14	**60G-252**
15-5/8"	15-5	12-16	**60G-155**	20-5/8"	20-3	11-14	**60G-203**	24-5/8"	24-9	29-34	**60G-249**
15-5/8"	15-6	16-21	**60G-156**	20-5/8"	20-4	14-22	**60G-204**	24-5/8"	24DS*	35-45	**60G-24DS***
15-5/8"	15-9	21-23	**60G-159**	20-5/8"	20-5	22-25	**60G-205**	25-5/8"	25-1	4-8	**60G-251**
15-5/8"	15DS*	24-35	**60G-15DS***	20-5/8"	20-6	25-28	**60G-206**	25-5/8"	25-2	8-14	**60G-252**
16-5/8"	16-1	4-7	**60G-161**	20-5/8"	20-9	28-31	**60G-209**	25-5/8"	25-3	14-18	**60G-253**
16-5/8"	16-2	7-11	**60G-162**	20-5/8"	20DS*	31-40	**60G-20DS***	25-5/8"	25-4	18-24	**60G-254**
16-5/8"	16-3	11-13	**60G-163**	21-5/8"	21-1	4-7	**60G-211**	25-5/8"	25-5	24-30	**60G-255**
16-5/8"	16-4	13-18	**60G-164**	21-5/8"	21-2	7-11	**60G-212**	25-5/8"	25-9	30-34	**60G-259**

Continued on next page

60G SERIES BALANCE ACCESSORIES

Continued from previous page

Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number
25-5/8"	25DS*	35-45	**60G-25DS***	32-5/8"	32DS*	37-45	**60G-32DS***	40-5/8"	40-2	12-17	**60G-402**	48-5/8"	48-2	12-17	**60G-482**
26-5/8"	26-1	4-8	**60G-261**	33-5/8"	33-1	7-12	**60G-331**	40-5/8"	40-3	17-21	**60G-403**	48-5/8"	48-3	17-22	**60G-483**
26-5/8"	26-2	8-12	**60G-262**	33-5/8"	33-2	12-17	**60G-332**	40-5/8"	40-4	21-28	**60G-404**	48-5/8"	48-4	22-30	**60G-484**
26-5/8"	26-3	12-18	**60G-263**	33-5/8"	33-3	17-22	**60G-333**	40-5/8"	40-5	28-34	**60G-405**	48-5/8"	48-5	30-34	**60G-485**
26-5/8"	26-4	18-25	**60G-264**	33-5/8"	33-4	22-27	**60G-334**	40-5/8"	40-9	34-40	**60G-409**	48-5/8"	48-9	35-41	**60G-489**
26-5/8"	26-5	25-28	**60G-265**	33-5/8"	33-5	27-30	**60G-335**	40-5/8"	40DS*	41-45	**60G-40DS***	48-5/8"	48DS*	42-45	**60G-48DS***
26-5/8"	26-6	28-31	**60G-266**	33-5/8"	33-6	30-31	**60G-336**	41-5/8"	41-1	7-12	**60G-411**	49-5/8"	49-1	7-12	**60G-491**
26-5/8"	26-9	31-33	**60G-269**	33-5/8"	33-9	31-36	**60G-339**	41-5/8"	41-2	12-17	**60G-412**	49-5/8"	49-2	12-17	**60G-492**
26-5/8"	26DS*	34-45	**60G-26DS***	33-5/8"	33-5	27-30	**60G-335**	41-5/8"	41-3	17-22	**60G-413**	49-5/8"	49-3	17-22	**60G-493**
27-5/8"	27-1	4-8	**60G-271**	33-5/8"	33-6	30-31	**60G-336**	41-5/8"	41-4	22-28	**60G-414**	49-5/8"	49-4	22-29	**60G-494**
27-5/8"	27-2	8-12	**60G-272**	33-5/8"	33-9	31-36	**60G-339**	41-5/8"	41-5	28-34	**60G-415**	49-5/8"	49-5	29-34	**60G-495**
27-5/8"	27-3	12-18	**60G-273**	33-5/8"	33DS*	37-45	**60G-33DS***	41-5/8"	41-9	34-41	**60G-419**	49-5/8"	49-9	34-41	**60G-499**
27-5/8"	27-4	18-25	**60G-274**	34-5/8"	34-1	7-12	**60G-341**	41-5/8"	41DS*	41-45	**60G-41DS***	49-5/8"	49DS*	42-45	**60G-49DS***
27-5/8"	27-5	25-28	**60G-275**	34-5/8"	34-2	12-17	**60G-342**	42-5/8"	42-1	7-12	**60G-421**	50-5/8"	50-1	7-12	**60G-501**
27-5/8"	27-6	28-31	**60G-276**	34-5/8"	34-3	17-22	**60G-343**	42-5/8"	42-2	12-17	**60G-422**	50-5/8"	50-2	12-17	**60G-502**
27-5/8"	27-9	31-33	**60G-279**	34-5/8"	34-4	22-28	**60G-344**	42-5/8"	42-3	17-22	**60G-423**	50-5/8"	50-3	17-22	**60G-503**
27-5/8"	27DS*	34-45	**60G-27DS***	34-5/8"	34-5	28-32	**60G-345**	42-5/8"	42-4	22-28	**60G-424**	50-5/8"	50-4	22-29	**60G-504**
28-5/8"	28-1	6-11	**60G-281**	34-5/8"	34-6	32-34	**60G-346**	42-5/8"	42-5	28-34	**60G-425**	50-5/8"	50-5	29-34	**60G-505**
28-5/8"	28-2	11-15	**60G-282**	34-5/8"	34-9	34-36	**60G-349**	42-5/8"	42-9	34-40	**60G-429**	50-5/8"	50-9	34-41	**60G-509**
28-5/8"	28-3	15-22	**60G-283**	34-5/8"	34DS*	37-45	**60G-34DS***	42-5/8"	42DS*	41-45	**60G-42DS***	50-5/8"	51DS*	42-45	**60G-51DS***
28-5/8"	28-4	22-27	**60G-284**	35-5/8"	35-1	7-12	**60G-351**	43-5/8"	43-1	7-12	**60G-431**	51-5/8"	51-1	7-12	**60G-511**
28-5/8"	28-5	27-31	**60G-285**	35-5/8"	35-2	12-17	**60G-352**	43-5/8"	43-2	12-17	**60G-432**	51-5/8"	51-1	7-12	**60G-511**
28-5/8"	28-6	31-34	**60G-286**	35-5/8"	35-3	17-21	**60G-353**	43-5/8"	43-3	17-22	**60G-433**	51-5/8"	51-2	12-17	**60G-512**
28-5/8"	28-9	34-36	**60G-289**	35-5/8"	35-4	21-28	**60G-354**	43-5/8"	43-4	22-28	**60G-434**	51-5/8"	51-3	17-22	**60G-513**
28-5/8"	28DS*	37-45	**60G-28DS***	35-5/8"	35-5	28-33	**60G-355**	43-5/8"	43-5	28-34	**60G-435**	51-5/8"	51-4	22-29	**60G-514**
29-5/8"	29-1	6-11	**60G-291**	35-5/8"	35--9	33-36	**60G-359**	43-5/8"	43-9	34-40	**60G-439**	51-5/8"	51-5	29-34	**60G-515**
29-5/8"	29-2	11-15	**60G-292**	35-5/8"	35DS*	37-45	**60G-35DS***	43-5/8"	43DS*	41-45	**60G-43DS***	51-5/8"	51-9	34-41	**60G-519**
29-5/8"	29-3	15-22	**60G-293**	36-5/8"	36-1	7-12	**60G-361**	44-5/8"	44-1	7-12	**60G-441**	51-5/8"	51DS*	42-45	**60G-51DS***
29-5/8"	29-4	22-27	**60G-294**	36-5/8"	36-2	12-16	**60G-362**	44-5/8"	44-2	12-17	**60G-442**	52-5/8"	52-1	7-12	**60G-521**
29-5/8"	29-5	27-30	**60G-295**	36-5/8"	36-3	16-21	**60G-363**	44-5/8"	44-3	17-22	**60G-443**	52-5/8"	52-2	12-17	**60G-522**
29-5/8"	29-6	30-33	**60G-296**	36-5/8"	36-4	21-28	**60G-364**	44-5/8"	44-4	22-28	**60G-444**	52-5/8"	52-3	17-22	**60G-523**
29-5/8"	29-9	33-36	**60G-299**	36-5/8"	36-5	28-33	**60G-365**	44-5/8"	44-5	28-35	**60G-445**	52-5/8"	52-4	22-29	**60G-524**
29-5/8"	29DS*	37-45	**60G-29DS***	36-5/8"	36-9	33-38	**60G-369**	44-5/8"	44-9	35-40	**60G-449**	52-5/8"	52-5	29-34	**60G-525**
30-5/8"	30-1	6-11	**60G-301**	36-5/8"	36DS*	39-45	**60G-36DS***	44-5/8"	44DS*	41-45	**60G-44DS***	52-5/8"	52-9	34-41	**60G-529**
30-5/8"	30-2	11-15	**60G-302**	37-5/8"	37-1	7-12	**60G-371**	45-5/8"	45-1	7-12	**60G-451**	52-5/8"	52DS*	42-45	**60G-52DS***
30-5/8"	30-3	15-22	**60G-303**	37-5/8"	37-2	12-16	**60G-372**	45-5/8"	45-2	12-17	**60G-452**	53-5/8"	53-1	7-12	**60G-531**
30-5/8"	30-4	22-27	**60G-304**	37-5/8"	37-3	16-21	**60G-373**	45-5/8"	45-3	17-22	**60G-453**	53-5/8"	53-2	12-17	**60G-532**
30-5/8"	30-5	27-30	**60G-305**	37-5/8"	37-4	21-30	**60G-374**	45-5/8"	45-4	22-28	**60G-454**	53-5/8"	53-3	17-23	**60G-533**
30-5/8"	30-6	30-33	**60G-306**	37-5/8"	37-5	30-34	**60G-375**	45-5/8"	45-5	28-35	**60G-455**	53-5/8"	53-4	23-31	**60G-534**
30-5/8"	30-9	33-36	**60G-309**	37-5/8"	37-9	34-38	**60G-379**	45-5/8"	45-9	35-40	**60G-459**	53-5/8"	53-5	31-36	**60G-535**
30-5/8"	30DS*	37-45	**60G-30DS***	37-5/8"	37DS*	39-45	**60G-37DS***	45-5/8"	45DS*	41-45	**60G-45DS***	53-5/8"	53-9	36-41	**60G-539**
31-5/8"	31-1	7-12	**60G-311**	38-5/8"	38-1	7-12	**60G-381**	46-5/8"	46-1	7-12	**60G-461**	53-5/8"	53DS*	42-45	**60G-53DS***
31-5/8"	31-2	12-15	**60G-312**	38-5/8"	38-2	12-17	**60G-382**	46-5/8"	46-2	12-17	**60G-462**				
31-5/8"	31-3	15-22	**60G-313**	38-5/8"	38-3	17-22	**60G-383**	46-5/8"	46-3	17-22	**60G-463**				
31-5/8"	31-4	22-27	**60G-314**	38-5/8"	38-4	22-28	**60G-384**	46-5/8"	46-4	22-28	**60G-464**				
31-5/8"	31-5	27-30	**60G-315**	38-5/8"	38-5	28-34	**60G-385**	46-5/8"	46-5	28-35	**60G-465**				
31-5/8"	31-6	30-33	**60G-316**	38-5/8"	38-9	34-38	**60G-389**	46-5/8"	46-9	35-41	**60G-469**				
31-5/8"	31-9	33-36	**60G-319**	38-5/8"	38DS*	39-45	**60G-38DS***	46-5/8"	46DS*	42-45	**60G-46DS***				
31-5/8"	31DS*	37-45	**60G-31DS***	39-5/8"	39-1	7-12	**60G-391**	47-5/8"	47-1	7-12	**60G-471**				
32-5/8"	32-1	7-12	**60G-321**	39-5/8"	39-2	12-17	**60G-392**	47-5/8"	47-2	12-17	**60G-472**				
32-5/8"	32-2	12-17	**60G-322**	39-5/8"	39-3	17-22	**60G-393**	47-5/8"	47-3	17-22	**60G-473**				
32-5/8"	32-3	17-22	**60G-323**	39-5/8"	39-4	22-28	**60G-394**	47-5/8"	47-4	22-28	**60G-474**				
32-5/8"	32-4	22-27	**60G-324**	39-5/8"	39-5	28-34	**60G-395**	47-5/8"	47-5	28-35	**60G-475**				
32-5/8"	32-5	27-30	**60G-325**	39-5/8"	39-9	34-38	**60G-399**	47-5/8"	47-9	35-41	**60G-479**				
32-5/8"	32-6	30-31	**60G-326**	39-5/8"	39DS*	39-45	**60G-39DS***	47-5/8"	47DS*	42-45	**60G-47DS***				
32-5/8"	32-9	31-36	**60G-329**	40-5/8"	40-1	7-12	**60G-401**	48-5/8"	48-1	7-12	**60G-481**				

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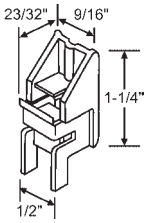
60G SERIES ENDS & CLIP COMBINATIONS

Suffix -1



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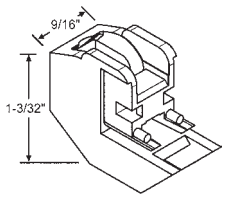

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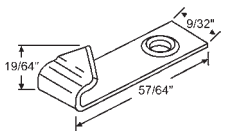
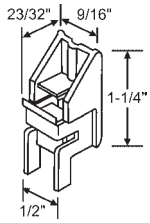


60-518

Suffix -1Q



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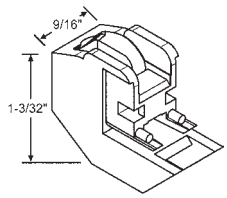

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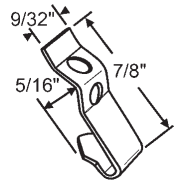
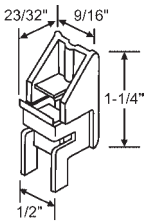


60-807

Suffix -1R — **No Longer Available. Use Suffix -1T**



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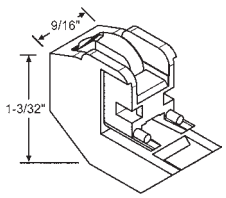

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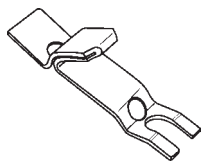

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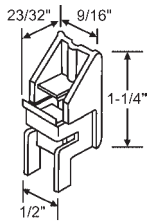

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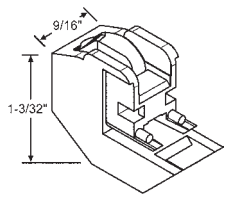

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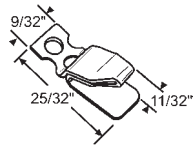

62-50022

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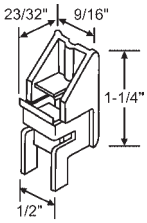

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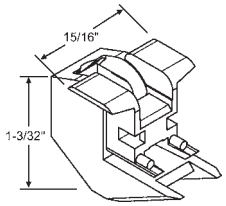

60-939
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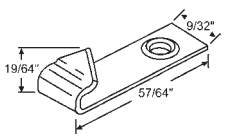

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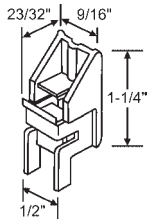
Suffix -2Q — **No Longer Available. Use Suffix -7Q**



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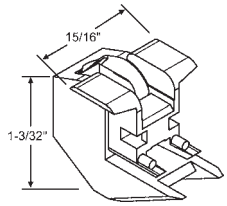

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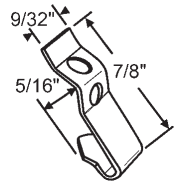

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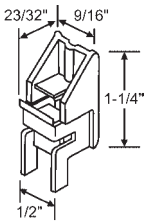
Suffix -2R — **No Longer Available. Use Suffix -7T**



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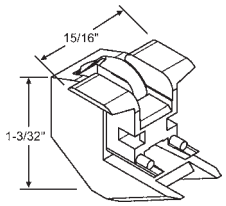

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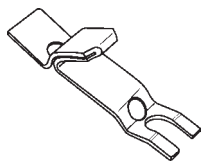

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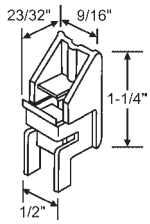
Suffix -2T — **No Longer Available. Use Suffix -7T**



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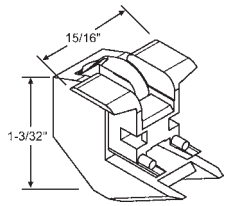

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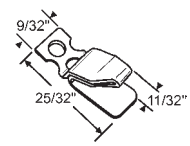
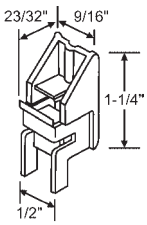


62-50022

Suffix -3



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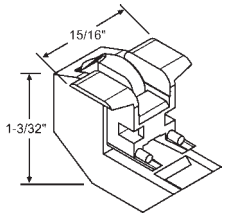

60-938
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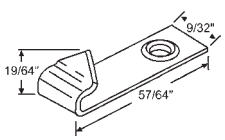
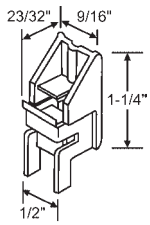


60-518

Suffix -3Q



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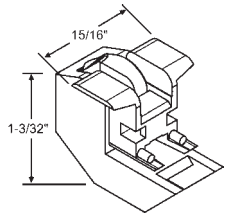

60-938
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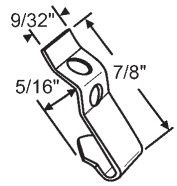
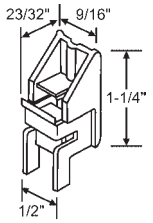


60-807

60G SERIES ENDS & CLIP COMBINATIONS

Suffix -3R — No Longer Available. Use Suffix -3T



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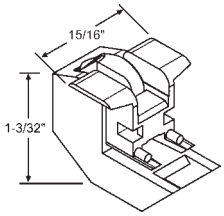
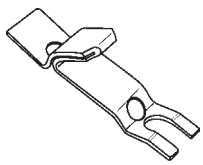
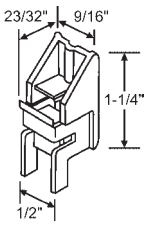


60-938 Bottom



60-808 No Longer Available

Suffix -3T



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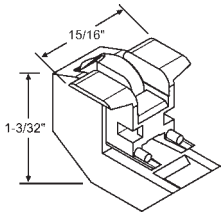
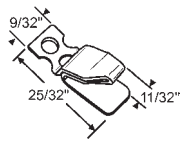
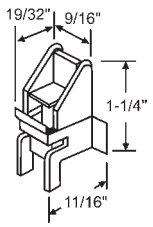


60-938 Bottom

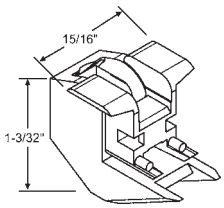


62-50022

Suffix -4 — No Longer Available. Use Suffix -8



60-508 Top



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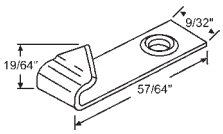
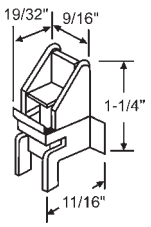


60-518

Suffix -4Q — No Longer Available. Use Suffix -8Q



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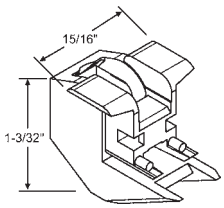

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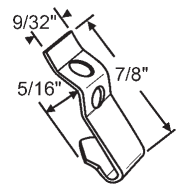
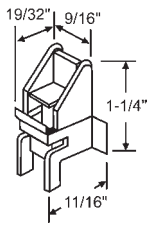


60-807

Suffix -4R — No Longer Available. Use Suffix -8T



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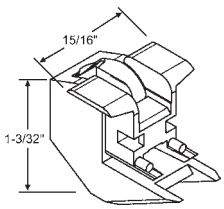

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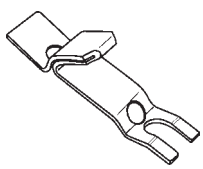

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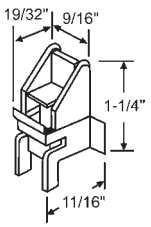
Suffix -4T — No Longer Available. Use Suffix -8T



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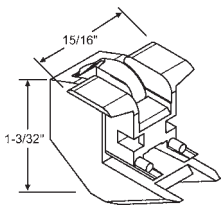
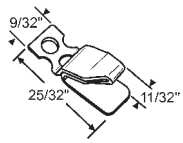
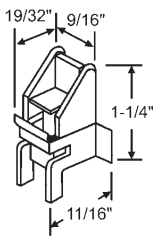


60-939 No Longer Available



62-50022

Suffix -5



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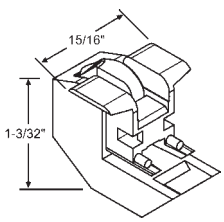

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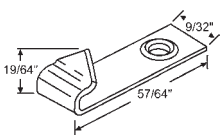
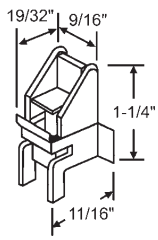


60-518

Suffix -5Q



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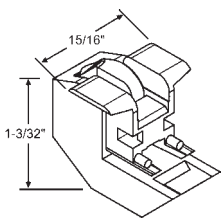

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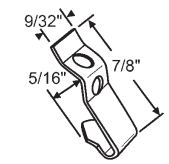

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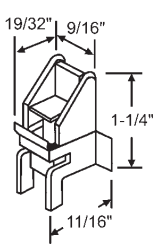

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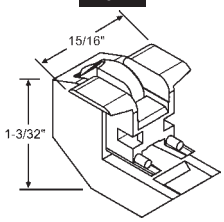

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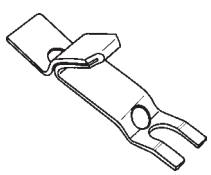

60-808 No Longer Available

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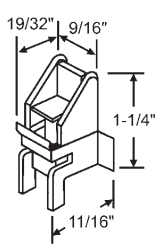

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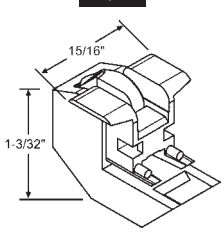

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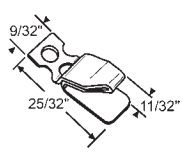

62-50022

AZA SALES
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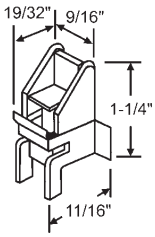
WWW.AZAHARDWARE.COM

60G SERIES ENDS & CLIP COMBINATIONS

Suffix -6



60-508
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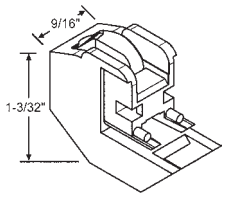

60-940
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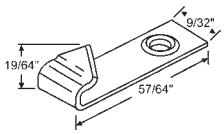
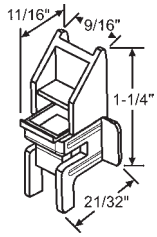


60-518

Suffix -6Q



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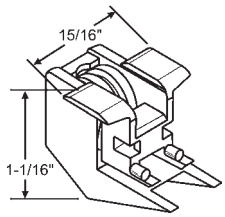

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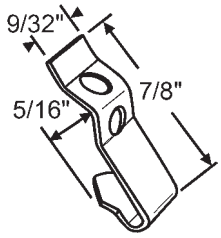
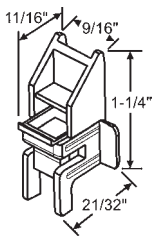


60-807

Suffix -6T



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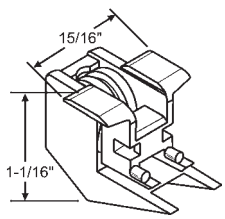

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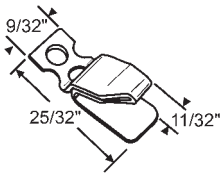
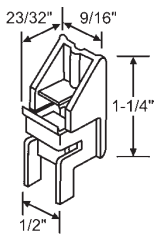


62-50022

Suffix -7



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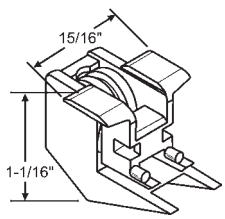

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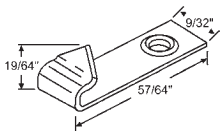
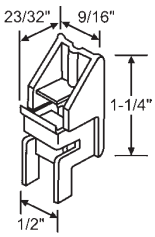


60-518

Suffix -7Q



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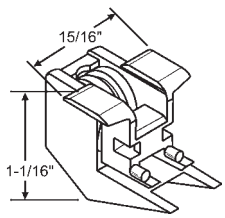

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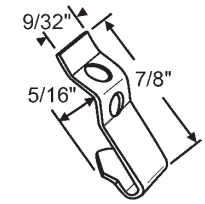
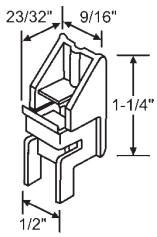


60-807

Suffix -7T



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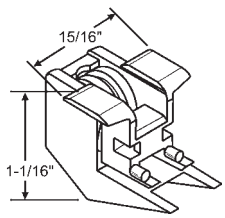

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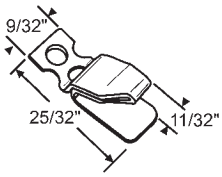
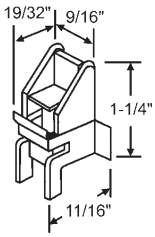
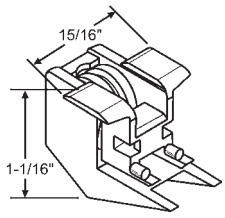


62-50022

Suffix -8



60-508
Top



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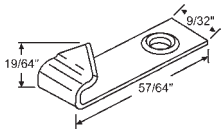
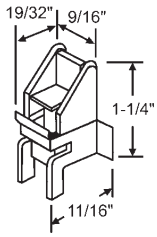


60-518

Suffix -8Q



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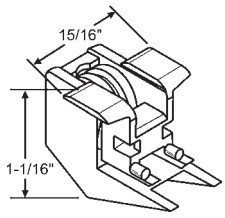

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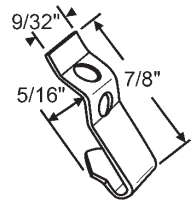
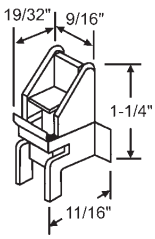


60-807

Suffix -8T



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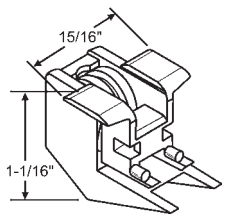

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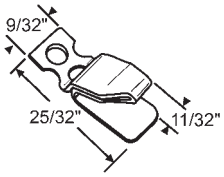
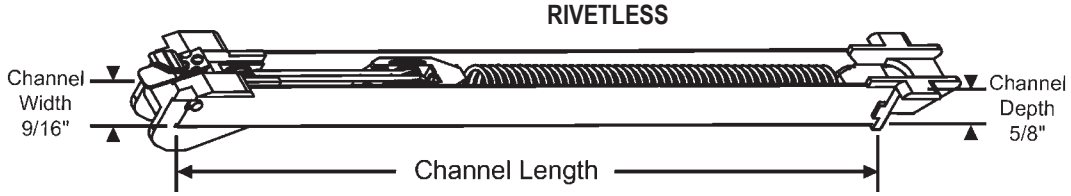


62-50022

60I SERIES NON-TILT CHANNEL BALANCE

RIVETLESS



Bottom bracket contains a roller. Top and bottom bracket not sold separately.

INSTRUCTIONS

1. Measure metal channel length (do not include plastic ends, metal channel only)
2. Check number stamped on balance (e.g.: 1210, 1840, etc.)
3. Select our corresponding part number from chart below
4. Select your ends and clip combination from the list and add suffix to end of part number you choose from chart.

Ordering Example: Length of Balance is 20-7/8", number stamped on balance is 2040, and the end clip combination is -1, you would then order part number 60I-204-1

Example Ordering Chart

Length of Metal Channel	Number Stamped on Balance	Our Part Number	End Clip Combination	Complete Part Number
20-7/8"	2040	**60I-204**	-1	**60I-204-1**

Length of Metal Channel	Number Stamped on Balance	Weight Range	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Weight Range	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Weight Range	Our Part Number
12-7/8"	1210	2 - 6	**60I-121**	18-7/8"	1840	14 - 17	**60I-184**	23-7/8"	2330	15 - 18	**60I-233**
12-7/8"	1220	6 - 9	**60I-122**	18-7/8"	1850	17 - 20	**60I-185**	23-7/8"	2340	18 - 23	**60I-234**
12-7/8"	1230	9 - 11	**60I-123**	18-7/8"	1860	20 - 23	**60I-186**	23-7/8"	2350	23 - 27	**60I-235**
12-7/8"	1240	11 - 12	**60I-124**	18-7/8"	1865	23 - 25	**60I-186**	23-7/8"	2360	27 - 30	**60I-236**
12-7/8"	1250	12 - 15	**60I-125**	18-7/8"	1870	25 - 29	**60I-187**	23-7/8"	2365	30 - 34	**60I-2365**
12-7/8"	1260	15 - 18	**60I-126**	18-7/8"	1875	29 - 32	**60I-1875**	23-7/8"	2370	34 - 37	**60I-237**
13-7/8"	1310	2 - 6	**60I-131**	18-7/8"	1880	32 - 35	**60I-188**	23-7/8"	2375	37 - 40	**60I-2375**
13-7/8"	1320	6 - 9	**60I-132**	19-7/8"	1910	2 - 8	**60I-191**	24-7/8"	2410	2 - 9	**60I-241**
13-7/8"	1330	9 - 11	**60I-133**	19-7/8"	1920	8 - 12	**60I-192**	24-7/8"	2420	9 - 15	**60I-242**
13-7/8"	1340	11 - 12	**60I-134**	19-7/8"	1930	12 - 14	**60I-193**	24-7/8"	2430	15 - 19	**60I-243**
13-7/8"	1350	12 - 15	**60I-135**	19-7/8"	1940	14 - 17	**60I-194**	24-7/8"	2440	19 - 24	**60I-244**
13-7/8"	1360	15 - 18	**60I-136**	19-7/8"	1950	17 - 21	**60I-195**	24-7/8"	2450	24 - 27	**60I-245**
13-7/8"	1365	18 - 20	**60I-1365**	19-7/8"	1960	21 - 24	**60I-196**	24-7/8"	2460	27 - 30	**60I-246**
14-7/8"	1410	2 - 6	**60I-141**	19-7/8"	1965	24 - 27	**60I-1965**	24-7/8"	2465	30 - 33	**60I-2465**
14-7/8"	1420	6 - 10	**60I-142**	19-7/8"	1970	27 - 30	**60I-197**	24-7/8"	2470	33 - 36	**60I-247**
14-7/8"	1430	10 - 12	**60I-143**	19-7/8"	1975	30 - 34	**60I-1975**	24-7/8"	2475	36 - 39	**60I-2475**
14-7/8"	1440	12 - 13	**60I-144**	19-7/8"	1980	34 - 37	**60I-198**	24-7/8"	2480	39 - 42	**60I-248**
14-7/8"	1450	13 - 17	**60I-145**	19-7/8"	1985	37 - 40	**60I-1985**	24-7/8"	2485	42 - 45	**60I-2485**
14-7/8"	1460	17 - 20	**60I-146**	20-7/8"	2010	2 - 8	**60I-201**	25-7/8"	2510	2 - 9	**60I-251**
14-7/8"	1465	20 - 23	**60I-1465**	20-7/8"	2020	8 - 12	**60I-202**	25-7/8"	2520	9 - 15	**60I-252**
15-7/8"	1510	2 - 6	**60I-151**	20-7/8"	2030	12 - 15	**60I-203**	25-7/8"	2530	15 - 19	**60I-253**
15-7/8"	1520	6 - 10	**60I-152**	20-7/8"	2040	15 - 23	**60I-204**	25-7/8"	2540	19 - 25	**60I-254**
15-7/8"	1530	10 - 12	**60I-153**	20-7/8"	2050	23 - 27	**60I-205**	25-7/8"	2550	25 - 28	**60I-255**
15-7/8"	1540	12 - 13	**60I-154**	20-7/8"	2060	27 - 30	**60I-206**	25-7/8"	2560	28 - 30	**60I-256**
15-7/8"	1550	13 - 17	**60I-155**	20-7/8"	2065	30 - 34	**60I-2065**	25-7/8"	2565	30 - 33	**60I-2565**
15-7/8"	1560	17 - 20	**60I-156**	20-7/8"	2070	34 - 37	**60I-207**	25-7/8"	2570	33 - 36	**60I-257**
15-7/8"	1565	20 - 23	**60I-1565**	20-7/8"	2075	37 - 40	**60I-2075**	25-7/8"	2575	36 - 39	**60I-2575**
15-7/8"	1570	23 - 26	**60I-157**	21-7/8"	2110	2 - 8	**60I-211**	25-7/8"	2580	39 - 42	**60I-258**
16-7/8"	1610	2 - 8	**60I-161**	21-7/8"	2120	8 - 12	**60I-212**	25-7/8"	2585	42 - 45	**60I-2585**
16-7/8"	1620	8 - 12	**60I-162**	21-7/8"	2130	12 - 15	**60I-213**	26-7/8"	2610	2 - 9	**60I-261**
16-7/8"	1630	12 - 14	**60I-163**	21-7/8"	2140	15 - 23	**60I-214**	26-7/8"	2620	9 - 13	**60I-262**
16-7/8"	1640	14 - 19	**60I-164**	21-7/8"	2150	23 - 27	**60I-215**	26-7/8"	2630	13 - 19	**60I-263**
16-7/8"	1650	19 - 22	**60I-165**	21-7/8"	2160	27 - 30	**60I-216**	26-7/8"	2640	19 - 26	**60I-264**
16-7/8"	1660	22 - 25	**60I-166**	21-7/8"	2165	30 - 34	**60I-2165**	26-7/8"	2650	26 - 30	**60I-265**
16-7/8"	1665	25 - 29	**60I-1665**	21-7/8"	2170	34 - 37	**60I-217**	26-7/8"	2660	30 - 33	**60I-266**
17-7/8"	1710	2 - 8	**60I-171**	21-7/8"	2175	37 - 40	**60I-2175**	26-7/8"	2665	33 - 36	**60I-2665**
17-7/8"	1720	8 - 12	**60I-172**	22-7/8"	2210	2 - 8	**60I-221**	26-7/8"	2670	36 - 39	**60I-267**
17-7/8"	1730	12 - 14	**60I-173**	22-7/8"	2220	8 - 12	**60I-222**	26-7/8"	2675	39 - 42	**60I-2675**
17-7/8"	1740	14 - 17	**60I-174**	22-7/8"	2230	12 - 19	**60I-223**	26-7/8"	2680	42 - 45	**60I-268**
17-7/8"	1750	17 - 20	**60I-175**	22-7/8"	2240	19 - 23	**60I-224**	27-7/8"	2710	2 - 9	**60I-271**
17-7/8"	1760	20 - 23	**60I-176**	22-7/8"	2250	23 - 27	**60I-225**	27-7/8"	2720	9 - 13	**60I-272**
17-7/8"	1765	23 - 25	**60I-1765**	22-7/8"	2260	27 - 30	**60I-226**	27-7/8"	2730	13 - 19	**60I-273**
17-7/8"	1770	25 - 29	**60I-177**	22-7/8"	2265	30 - 34	**60I-2265**	27-7/8"	2740	19 - 26	**60I-274**
17-7/8"	1775	29 - 32	**60I-1775**	22-7/8"	2270	34 - 37	**60I-227**	27-7/8"	2750	26 - 30	**60I-275**
18-7/8"	1810	2 - 8	**60I-181**	22-7/8"	2275	37 - 40	**60I-2275**	27-7/8"	2760	30 - 33	**60I-276**
18-7/8"	1820	8 - 12	**60I-182**	23-7/8"	2310	2 - 9	**60I-231**	27-7/8"	2765	33 - 36	**60I-2765**
18-7/8"	1830	12 - 14	**60I-183**	23-7/8"	2320	9 - 15	**60I-232**	27-7/8"	2770	36 - 39	**60I-277**

Continued on next page

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60I SERIES CHANNEL BALANCE

Continued from previous page.

Length of Metal Channel	Number Stamped on Balance	Weight Range	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Weight Range	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Weight Range	Our Part Number
27-7/8"	2775	39 - 42	**60I-2775**	34-7-8"	3465	39 - 42	**60I-3465**	41-7/8"	4160	35 - 39	**60I-416**
27-7/8"	2780	42 - 45	**60I-278**	34-7-8"	3470	42 - 45	**60I-347**	41-7/8"	4165	39 - 42	**60I-4165**
28-7/8"	2810	3 - 12	**60I-281**	35-7/8"	3510	3 - 13	**60I-351**	41-7/8"	4170	42 - 45	**60I-417**
28-7/8"	2820	12 - 16	**60I-282**	35-7/8"	3520	13 - 18	**60I-352**	42-7/8"	4210	4 - 14	**60I-421**
28-7/8"	2830	16 - 23	**60I-283**	35-7/8"	3530	18 - 23	**60I-353**	42-7/8"	4220	14 - 19	**60I-422**
28-7/8"	2840	23 - 28	**60I-284**	35-7/8"	3540	23 - 30	**60I-354**	42-7/8"	4230	19 - 24	**60I-423**
28-7/8"	2850	28 - 32	**60I-285**	35-7/8"	3550	30 - 35	**60I-355**	42-7/8"	4240	24 - 30	**60I-424**
28-7/8"	2860	32 - 35	**60I-286**	35-7/8"	3560	35 - 39	**60I-356**	42-7/8"	4250	30 - 35	**60I-425**
28-7/8"	2865	35 - 39	**60I-2865**	35-7/8"	3565	39 - 42	**60I-3565**	42-7/8"	4260	35 - 39	**60I-426**
28-7/8"	2870	39 - 42	**60I-287**	35-7/8"	3570	42 - 45	**60I-357**	42-7/8"	4265	39 - 42	**60I-4265**
28-7/8"	2875	42 - 45	**60I-2875**	36-7/8"	3610	3 - 13	**60I-361**	42-7/8"	4270	42 - 45	**60I-427**
29-7/8"	2910	3 - 12	**60I-291**	36-7/8"	3620	13 - 18	**60I-362**	43-7/8"	4310	4 - 14	**60I-431**
29-7/8"	2920	12 - 16	**60I-292**	36-7/8"	3630	18 - 23	**60I-363**	43-7/8"	4320	14 - 19	**60I-432**
29-7/8"	2930	16 - 23	**60I-293**	36-7/8"	3640	23 - 30	**60I-364**	43-7/8"	4330	19 - 24	**60I-433**
29-7/8"	2940	23 - 28	**60I-294**	36-7/8"	3650	30 - 35	**60I-365**	43-7/8"	4340	24 - 30	**60I-434**
29-7/8"	2950	28 - 32	**60I-295**	36-7/8"	3660	35 - 39	**60I-366**	43-7/8"	4350	30 - 35	**60I-435**
29-7/8"	2960	32 - 35	**60I-296**	36-7/8"	3665	39 - 42	**60I-3665**	43-7/8"	4360	35 - 39	**60I-436**
29-7/8"	2965	35 - 39	**60I-2965**	36-7/8"	3670	42 - 45	**60I-367**	43-7/8"	4365	39 - 42	**60I-4365**
29-7/8"	2970	39 - 42	**60I-297**	37-7/8"	3710	3 - 13	**60I-371**	43-7/8"	4370	42 - 45	**60I-437**
29-7/8"	2975	42 - 45	**60I-2975**	37-7/8"	3720	13 - 18	**60I-372**	44-7/8"	4410	4 - 14	**60I-441**
30-7/8"	3010	3 - 12	**60I-301**	37-7/8"	3730	18 - 23	**60I-373**	44-7/8"	4420	14 - 19	**60I-442**
30-7/8"	3020	12 - 16	**60I-302**	37-7/8"	3740	23 - 30	**60I-374**	44-7/8"	4430	19 - 24	**60I-443**
30-7/8"	3030	16 - 23	**60I-303**	37-7/8"	3750	30 - 35	**60I-375**	44-7/8"	4440	24 - 30	**60I-444**
30-7/8"	3040	23 - 28	**60I-304**	37-7/8"	3760	35 - 39	**60I-376**	44-7/8"	4450	30 - 35	**60I-445**
30-7/8"	3050	28 - 32	**60I-305**	37-7/8"	3765	39 - 42	**60I-3765**	44-7/8"	4460	35 - 39	**60I-446**
30-7/8"	3060	32 - 35	**60I-306**	37-7/8"	3770	42 - 45	**60I-377**	44-7/8"	4465	39 - 42	**60I-4465**
30-7/8"	3065	35 - 39	**60I-3065**	38-7/8"	3810	4 - 14	**60I-381**	44-7/8"	4470	42 - 45	**60I-447**
30-7/8"	3070	39 - 42	**60I-307**	38-7/8"	3820	14 - 19	**60I-382**	45-7/8"	4510	4 - 14	**60I-451**
30-7/8"	3075	42 - 45	**60I-3075**	38-7/8"	3830	19 - 24	**60I-383**	45-7/8"	4520	14 - 19	**60I-452**
31-7/8"	3110	3 - 12	**60I-311**	38-7/8"	3840	24 - 30	**60I-384**	45-7/8"	4530	19 - 24	**60I-453**
31-7/8"	3120	12 - 16	**60I-312**	38-7/8"	3850	30 - 35	**60I-385**	45-7/8"	4540	24 - 30	**60I-454**
31-7/8"	3130	16 - 23	**60I-313**	38-7/8"	3860	35 - 39	**60I-386**	45-7/8"	4550	30 - 35	**60I-455**
31-7/8"	3140	23 - 28	**60I-314**	38-7/8"	3865	39 - 42	**60I-3865**	45-7/8"	4560	35 - 39	**60I-456**
31-7/8"	3150	28 - 32	**60I-315**	38-7/8"	3870	42 - 45	**60I-387**	45-7/8"	4565	39 - 42	**60I-4565**
31-7/8"	3160	32 - 35	**60I-316**	39-7/8"	3910	4 - 14	**60I-391**	45-7/8"	4570	42 - 45	**60I-457**
31-7/8"	3165	35 - 39	**60I-316**	39-7/8"	3920	14 - 19	**60I-392**	46-7/8'	4610	4 - 14	**60I-461**
31-7/8"	3170	39 - 42	**60I-317**	39-7/8"	3930	19 - 24	**60I-393**	46-7/8'	4620	14 - 19	**60I-462**
31-7/8"	3175	42 - 45	**60I-3175**	39-7/8"	3940	24 - 30	**60I-394**	46-7/8'	4630	19 - 24	**60I-463**
32-7/8"	3210	3 - 13	**60I-321**	39-7/8"	3950	30 - 35	**60I-395**	46-7/8'	4640	24 - 30	**60I-464**
32-7/8"	3220	13 - 18	**60I-322**	39-7/8"	3960	35 - 39	**60I-396**	46-7/8'	4650	30 - 35	**60I-465**
32-7/8"	3230	18 - 23	**60I-323**	39-7/8"	3965	39 - 42	**60I-3965**	46-7/8'	4660	35 - 39	**60I-466**
32-7/8"	3240	23 - 28	**60I-324**	39-7/8"	3970	42 - 45	**60I-397**	46-7/8'	4665	39 - 42	**60I-4665**
32-7/8"	3250	28 - 32	**60I-325**	40-7/8"	4010	4 - 14	**60I-401**	46-7/8'	4670	42 - 45	**60I-467**
32-7/8"	3260	32 - 35	**60I-326**	40-7/8"	4020	14 - 19	**60I-402**	47-7/8"	4710	4 - 14	**60I-471**
32-7/8"	3265	35 - 39	**60I-3265**	40-7/8"	4030	19 - 23	**60I-403**	47-7/8"	4720	14 - 19	**60I-472**
32-7/8"	3270	39 - 42	**60I-327**	40-7/8"	4040	23 - 30	**60I-404**	47-7/8"	4730	19 - 24	**60I-473**
32-7/8"	3275	42 - 45	**60I-3275**	40-7/8"	4050	30 - 35	**60I-405**	47-7/8"	4740	24 - 30	**60I-474**
33-7/8"	3310	3 - 13	**60I-331**	40-7/8"	4060	35 - 39	**60I-406**	47-7/8"	4750	30 - 35	**60I-475**
33-7/8"	3320	13 - 18	**60I-332**	40-7/8"	4065	39 - 42	**60I-4065**	47-7/8"	4760	35 - 39	**60I-476**
33-7/8"	3330	18 - 23	**60I-333**	40-7/8"	4070	42 - 45	**60I-407**	47-7/8"	4765	39 - 42	**60I-4765**
33-7/8"	3340	23 - 28	**60I-334**	41-7/8"	4110	4 - 14	**60I-411**	47-7/8"	4770	42 - 45	**60I-477**
33-7/8"	3350	28 - 32	**60I-335**	41-7/8"	4120	14 - 19	**60I-412**	48-7/8"	4810	4 - 14	**60I-481**
33-7/8"	3360	32 - 35	**60I-336**	41-7/8"	4130	19 - 24	**60I-413**	48-7/8"	4820	14 - 19	**60I-482**
33-7/8"	3365	35 - 39	**60I-3365**	41-7/8"	4140	24 - 30	**60I-414**	48-7/8"	4830	19 - 24	**60I-483**
33-7/8"	3370	39 - 42	**60I-337**	41-7/8"	4150	30 - 35	**60I-415**	48-7/8"	4840	24 - 30	**60I-484**
33-7/8"	3375	42 - 45	**60I-3375**	41-7/8"	4160	35 - 39	**60I-416**	48-7/8"	4850	30 - 35	**60I-485**
34-7-8"	3410	3 - 13	**60I-341**	41-7/8"	4165	39 - 42	**60I-4165**	48-7/8"	4860	35 - 39	**60I-486**
34-7-8"	3420	13 - 18	**60I-342**	41-7/8"	4170	42 - 45	**60I-417**	48-7/8"	4865	39 - 42	**60I-4865**
34-7-8"	3430	18 - 23	**60I-343**	42-7/8"	4210	4 - 14	**60I-421**	48-7/8"	4870	42 - 45	**60I-487**
34-7-8"	3440	23 - 30	**60I-344**	42-7/8"	4220	14 - 19	**60I-422**	49-7/8"	4910	4 - 14	**60I-491**
34-7-8"	3450	30 - 34	**60I-345**	42-7/8"	4230	19 - 24	**60I-423**	49-7/8"	4920	14 - 19	**60I-492**
34-7-8"	3460	34 - 39	**60I-346**	42-7/8"	4240	24 - 30	**60I-424**	49-7/8"	4930	19 - 24	**60I-493**

Continued on next page

60I SERIES CHANNEL BALANCE

Continued from previous page.

Length of Metal Channel	Number Stamped on Balance	Weight Range	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Weight Range	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Weight Range	Our Part Number
49-7/8"	4940	24 - 30	**60I-494**	51-7/8"	5110	4 - 14	**60I-5110**	52-7/8"	5260	35 - 39	**60I-5260**
49-7/8"	4950	30 - 35	**60I-495**	51-7/8"	5120	14 - 19	**60I-5120**	52-7/8"	5265	39 - 42	**60I-5265**
49-7/8"	4960	35 - 39	**60I-496**	51-7/8"	5130	19 - 25	**60I-5130**	52-7/8"	5270	42 - 45	**60I-5270**
49-7/8"	4965	39 - 42	**60I-4965**	51-7/8"	5140	25 - 32	**60I-5140**	53-7/8"	5310	4 - 14	**60I-5310**
49-7/8"	4970	42 - 45	**60I-497**	51-7/8"	5150	32 - 35	**60I-5150**	53-7/8"	5320	14 - 19	**60I-5320**
50-7/8"	5010	4 - 14	**60I-5010**	51-7/8"	5160	35 - 39	**60I-5160**	53-7/8"	5330	19 - 25	**60I-5330**
50-7/8"	5020	14 - 19	**60I-5020**	51-7/8"	5165	39 - 42	**60I-5165**	53-7/8"	5340	25 - 32	**60I-5340**
50-7/8"	5030	19 - 25	**60I-5030**	51-7/8"	5170	42 - 45	**60I-5170**	53-7/8"	5350	32 - 35	**60I-5350**
50-7/8"	5040	25 - 32	**60I-5040**	52-7/8"	5210	4 - 14	**60I-5210**	53-7/8"	5360	35 - 39	**60I-5360**
50-7/8"	5050	32 - 35	**60I-5050**	52-7/8"	5220	14 - 19	**60I-5220**	53-7/8"	5365	39 - 42	**60I-5365**
50-7/8"	5060	35 - 39	**60I-5060**	52-7/8"	5230	19 - 25	**60I-5230**	53-7/8"	5370	42 - 45	**60I-5370**
50-7/8"	5065	39 - 42	**60I-5065**	52-7/8"	5240	25 - 32	**60I-5240**				
50-7/8"	5070	42 - 45	**60I-5070**	52-7/8"	5250	32 - 35	**60I-5250**				

60I SERIES ENDS & CLIP COMBINATIONS

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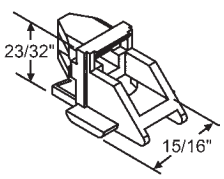

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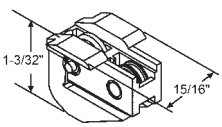

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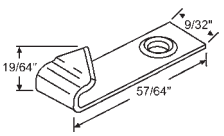

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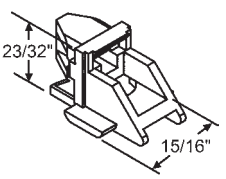

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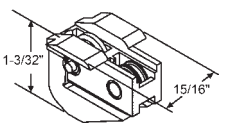

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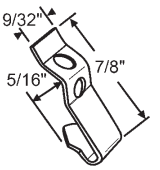

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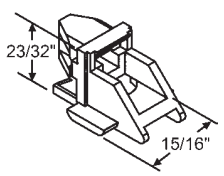

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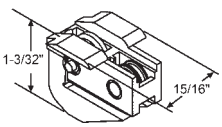

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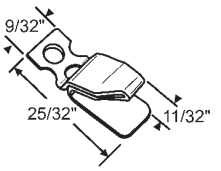

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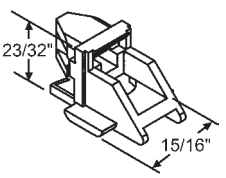

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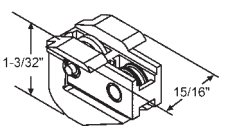

60I-502
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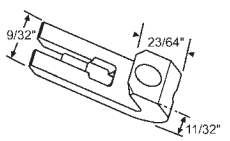

60I-506
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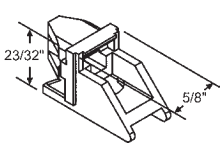
Suffix -2



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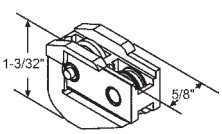

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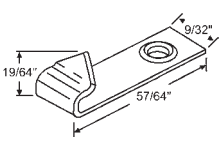
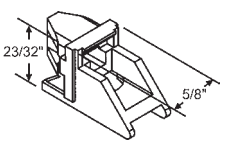


60-518
Clip

Suffix -2AB



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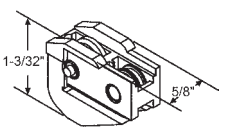

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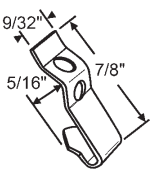

60-807
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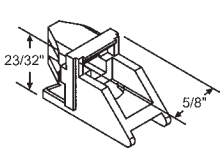
Suffix -2T



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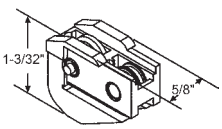

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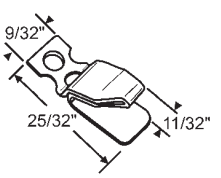
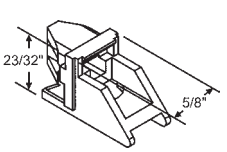


62-50022
Clip

Suffix -2AE



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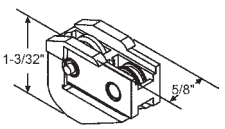

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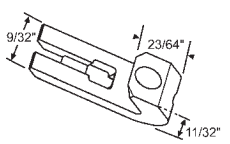

60I-506
Clip

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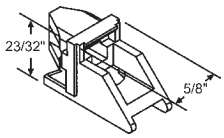
60I SERIES ENDS & CLIP COMBINATIONS

Suffix -3



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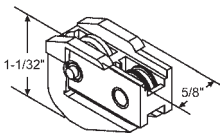

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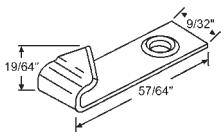
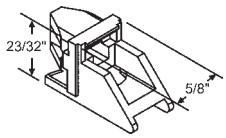


60-518
Clip

Suffix -3AB



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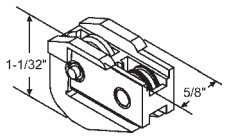

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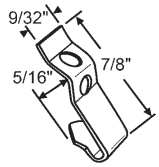

60-807
Clip

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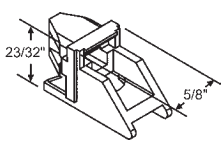

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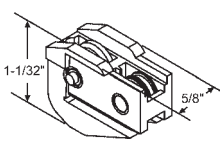

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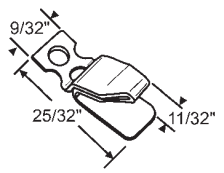
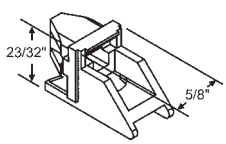


62-50022
Clip

Suffix -3AE



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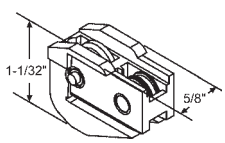

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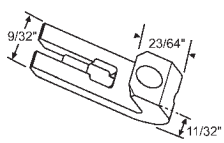

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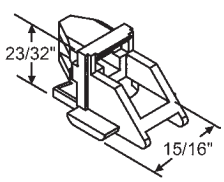

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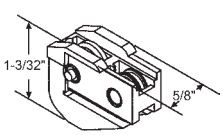

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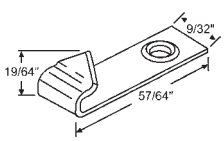

60-518
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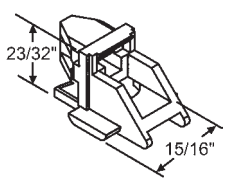
Suffix -4AB



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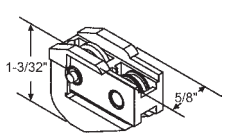

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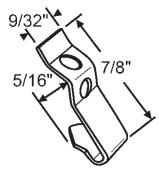

60-807
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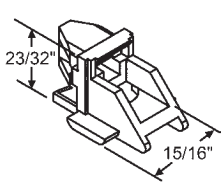

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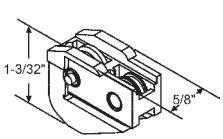

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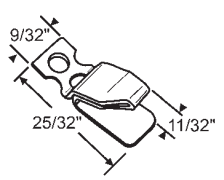
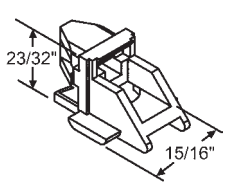


62-50022
Clip

Suffix -4AE



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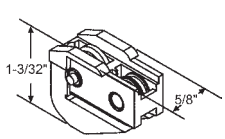

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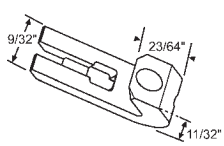

60I-506
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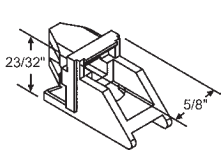

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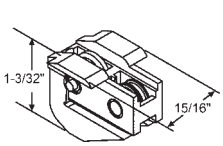

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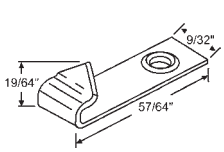

60-518
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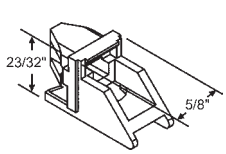

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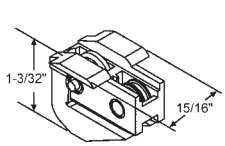

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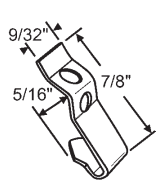
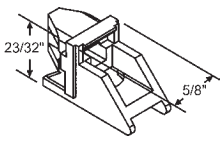


60-807
Clip

60I SERIES ENDS & CLIP COMBINATIONS

Suffix -5T



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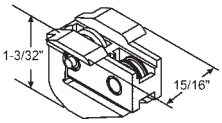

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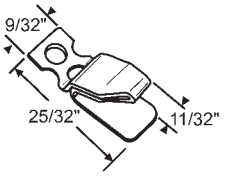
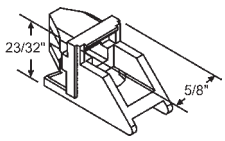


62-50022
Clip

Suffix -5AE



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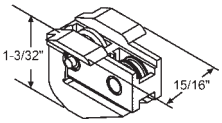

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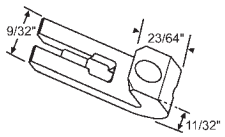

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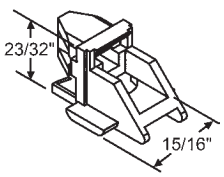

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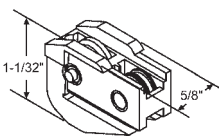

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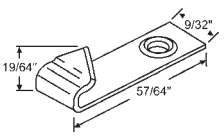

60-518
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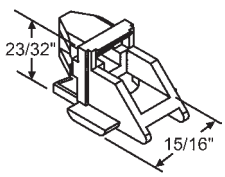

60I-501
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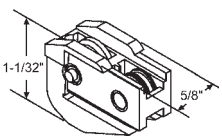

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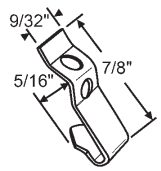

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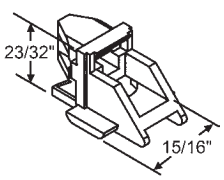

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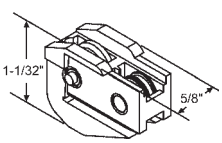

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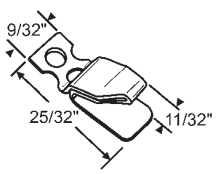

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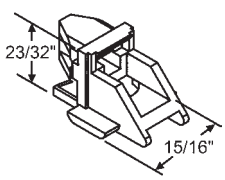

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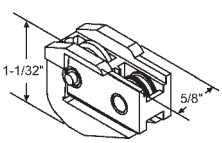

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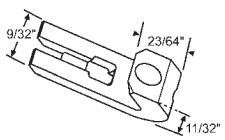

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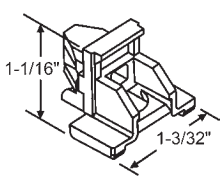

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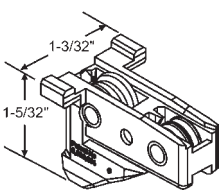

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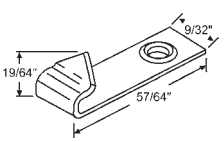

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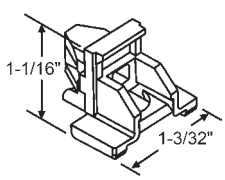

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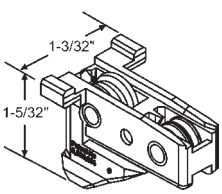

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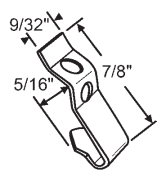

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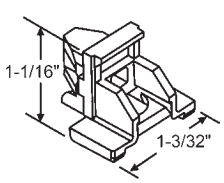

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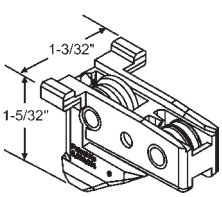

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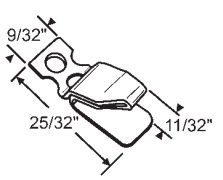

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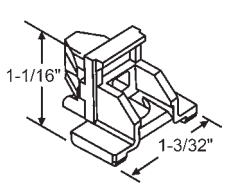

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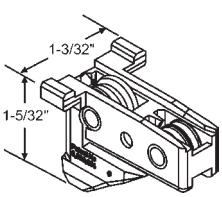

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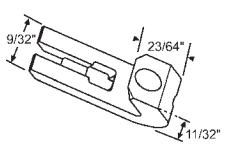

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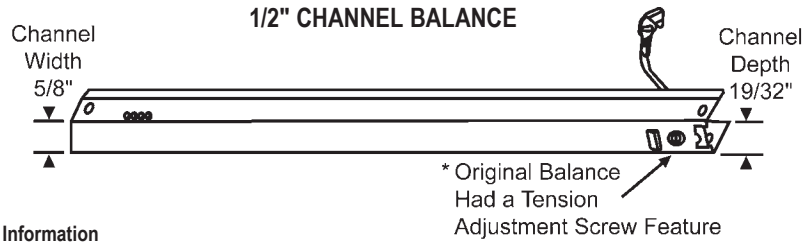
61 SERIES CHANNEL BALANCE WITH HEMMED EDGE

1/2" CHANNEL BALANCE



Ordering Information

1) Measure metal channel length (do not include plastic ends).
2) Check number stamped on channel (e.g. 20-2, 30-5, etc.).
3) Select our corresponding part number from the chart below.
4) To identify the top and bottom ends to be attached, refer to page 44.

Note: Top and bottom balance ends must be ordered separately. If you want ends attached, add the letter "A" to the suffix of the part number when ordering.

General Information

1) Balance prices do not include attached bracket.
*2) The tension adjustment screw feature is no longer manufactured.
3) The top spring anchor is directly attached to the back wall of the balance channel with a porcupine pinning effect.
4) For special channel lengths, please consult your representative.

Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number
11"	10-0	2 To 3 Lbs.	**61-100**	19"	18-5	17 To 24 Lbs.	**61-185**	28"	27-4	20 To 26 Lbs.	**61-274**	36"	35-5	30 To 35 Lbs.	**61-355**
11"	10-1	3 To 5 Lbs.	**61-101**	19"	18-6	24 To 27 Lbs.	**61-186**	28"	27-5	26 To 30 Lbs.	**61-275**	36"	35-9	35 To 40 Lbs.	**61-359**
11"	10-2	5 To 8 Lbs.	**61-102**	19"	18-9	27 To 30 Lbs.	**61-189**	28"	27-6	30 To 34 Lbs.	**61-276**	37"	36-1	8 To 13 Lbs.	**61-361**
11"	10-3	8 To 10 Lbs.	**61-103**	20"	19-1	5 To 8 Lbs.	**61-191**	28"	27-9	34 To 36 Lbs.	**61-279**	37"	36-2	13 To 18 Lbs.	**61-362**
11"	10-4	10 To 13 Lbs.	**61-104**	20"	19-2	8 To 12 Lbs.	**61-192**	29"	28-1	6 To 12 Lbs.	**61-281**	37"	36-3	18 To 24 Lbs.	**61-363**
11"	10-5	13 To 15 Lbs.	**61-105**	20"	19-3	12 To 15 Lbs.	**61-193**	29"	28-2	12 To 16 Lbs.	**61-282**	37"	36-4	24 To 31 Lbs.	**61-364**
11"	10-9	15 To 18 Lbs.	**61-109**	20"	19-4	15 To 17 Lbs.	**61-194**	29"	28-3	16 To 23 Lbs.	**61-283**	37"	36-5	31 To 36 Lbs.	**61-365**
12"	11-1	3 To 5 Lbs.	**61-111**	20"	19-5	17 To 21 Lbs.	**61-195**	29"	28-4	23 To 29 Lbs.	**61-284**	37"	36-9	36 To 40 Lbs.	**61-369**
12"	11-2	5 To 8 Lbs.	**61-112**	20"	19-6	21 To 26 Lbs.	**61-196**	29"	28-5	29 To 32 Lbs.	**61-285**	38"	37-1	8 To 13 Lbs.	**61-371**
12"	11-3	8 To 10 Lbs.	**61-113**	20"	19-9	26 To 30 Lbs.	**61-199**	29"	28-6	32 To 35 Lbs.	**61-286**	38"	37-2	13 To 19 Lbs.	**61-372**
12"	11-4	10 To 12 Lbs.	**61-114**	21"	20-1	4 To 8 Lbs.	**61-201**	29"	28-9	35 To 38 Lbs.	**61-289**	38"	37-3	19 To 24 Lbs.	**61-373**
12"	11-5	12 To 15 Lbs.	**61-115**	21"	20-2	8 To 12 Lbs.	**61-202**	30"	29-1	6 To 12 Lbs.	**61-291**	38"	37-4	24 To 32 Lbs.	**61-374**
12"	11-9	15 To 18 Lbs.	**61-119**	21"	20-3	12 To 16 Lbs.	**61-203**	30"	29-2	12 To 17 Lbs.	**61-292**	38"	37-5	32 To 36 Lbs.	**61-375**
13"	12-1	3 To 6 Lbs.	**61-121**	21"	20-4	16 To 23 Lbs.	**61-204**	30"	29-3	17 To 24 Lbs.	**61-293**	38"	37-9	36 To 40 Lbs.	**61-379**
13"	12-2	6 To 9 Lbs.	**61-122**	21"	20-5	23 To 26 Lbs.	**61-205**	30"	29-4	24 To 28 Lbs.	**61-294**	39"	38-1	9 To 14 Lbs.	**61-381**
13"	12-3	9 To 10 Lbs.	**61-123**	21"	20-9	26 To 30 Lbs.	**61-209**	30"	29-5	28 To 32 Lbs.	**61-295**	39"	38-2	14 To 19 Lbs.	**61-382**
13"	12-4	10 To 12 Lbs.	**61-124**	22"	21-1	4 To 8 Lbs.	**61-211**	30"	29-6	32 To 35 Lbs.	**61-296**	39"	38-3	19 To 25 Lbs.	**61-383**
13"	12-5	12 To 15 Lbs.	**61-125**	22"	21-2	8 To 12 Lbs.	**61-212**	30"	29-9	35 To 38 Lbs.	**61-299**	39"	38-4	25 To 30 Lbs.	**61-384**
13"	12-6	15 To 19 Lbs.	**61-126**	22"	21-3	12 To 15 Lbs.	**61-213**	31"	30-1	6 To 12 Lbs.	**61-301**	39"	38-5	30 To 36 Lbs.	**61-385**
13"	12-9	19 To 22 Lbs.	**61-129**	22"	21-4	15 To 23 Lbs.	**61-214**	31"	30-2	12 To 17 Lbs.	**61-302**	39"	38-9	36 To 40 Lbs.	**61-389**
14"	13-1	3 To 6 Lbs.	**61-131**	22"	21-5	23 To 26 Lbs.	**61-215**	31"	30-3	17 To 23 Lbs.	**61-303**	40"	39-1	9 To 14 Lbs.	**61-391**
14"	13-2	6 To 9 Lbs.	**61-132**	22"	21-9	26 To 30 Lbs.	**61-219**	31"	30-4	23 To 28 Lbs.	**61-304**	40"	39-2	14 To 19 Lbs.	**61-392**
14"	13-3	9 To 10 Lbs.	**61-133**	23"	22-1	4 To 8 Lbs.	**61-221**	31"	30-5	28 To 33 Lbs.	**61-305**	40"	39-3	19 To 25 Lbs.	**61-393**
14"	13-4	10 To 12 Lbs.	**61-134**	23"	22-2	8 To 12 Lbs.	**61-222**	31"	30-6	33 To 35 Lbs.	**61-306**	40"	39-4	25 To 31 Lbs.	**61-394**
14"	13-5	12 To 17 Lbs.	**61-135**	23"	22-3	12 To 19 Lbs.	**61-223**	31"	30-9	35 To 38 Lbs.	**61-309**	40"	39-5	31 To 36 Lbs.	**61-395**
14"	13-9	17 To 22 Lbs.	**61-139**	23"	22-4	19 To 23 Lbs.	**61-224**	32"	31-1	6 To 12 Lbs.	**61-311**	40"	39-9	36 To 40 Lbs.	**61-399**
15"	14-1	4 To 6 Lbs.	**61-141**	23"	22-5	23 To 27 Lbs.	**61-225**	32"	31-2	12 To 16 Lbs.	**61-312**	41"	40-1	9 To 14 Lbs.	**61-401**
15"	14-2	6 To 9 Lbs.	**61-142**	23"	22-9	27 To 30 Lbs.	**61-229**	32"	31-3	16 To 23 Lbs.	**61-313**	41"	40-2	14 To 20 Lbs.	**61-402**
15"	14-3	9 To 11 Lbs.	**61-143**	24"	23-1	4 To 9 Lbs.	**61-231**	32"	31-4	23 To 28 Lbs.	**61-314**	41"	40-3	20 To 25 Lbs.	**61-403**
15"	14-4	11 To 13 Lbs.	**61-144**	24"	23-2	9 To 15 Lbs.	**61-232**	32"	31-5	28 To 32 Lbs.	**61-315**	41"	40-4	25 To 31 Lbs.	**61-404**
15"	14-5	13 To 18 Lbs.	**61-145**	24"	23-3	15 To 18 Lbs.	**61-233**	32"	31-6	32 To 35 Lbs.	**61-316**	41"	40-5	31 To 36 Lbs.	**61-405**
15"	14-6	18 To 23 Lbs.	**61-146**	24"	23-4	18 To 22 Lbs.	**61-234**	32"	31-9	35 To 38 Lbs.	**61-319**	41"	40-9	36 To 42 Lbs.	**61-409**
15"	14-9	23 To 26 Lbs.	**61-149**	24"	23-5	22 To 27 Lbs.	**61-235**	33"	32-1	7 To 13 Lbs.	**61-321**	42"	41-1	9 To 14 Lbs.	**61-411**
16"	15-1	4 To 6 Lbs.	**61-151**	24"	23-9	27 To 30 Lbs.	**61-239**	33"	32-2	13 To 19 Lbs.	**61-322**	42"	41-2	14 To 19 Lbs.	**61-412**
16"	15-2	6 To 9 Lbs.	**61-152**	25"	24-1	4 To 9 Lbs.	**61-241**	33"	32-3	19 To 23 Lbs.	**61-323**	42"	41-3	19 To 25 Lbs.	**61-413**
16"	15-3	9 To 11 Lbs.	**61-153**	25"	24-2	9 To 15 Lbs.	**61-242**	33"	32-4	23 To 29 Lbs.	**61-324**	42"	41-4	25 To 31 Lbs.	**61-414**
16"	15-4	11 To 13 Lbs.	**61-154**	25"	24-3	15 To 19 Lbs.	**61-243**	33"	32-5	29 To 32 Lbs.	**61-325**	42"	41-5	31 To 37 Lbs.	**61-415**
16"	15-5	13 To 17 Lbs.	**61-155**	25"	24-4	19 To 24 Lbs.	**61-244**	33"	32-6	32 To 34 Lbs.	**61-326**	42"	41-9	37 To 42 Lbs.	**61-419**
16"	15-6	17 To 22 Lbs.	**61-156**	25"	24-5	24 To 30 Lbs.	**61-245**	33"	32-9	34 To 38 Lbs.	**61-329**	43"	42-1	9 To 14 Lbs.	**61-421**
16"	15-9	22 To 26 Lbs.	**61-159**	25"	24-9	30 To 34 Lbs.	**61-249**	34"	33-1	8 To 13 Lbs.	**61-331**	43"	42-2	14 To 20 Lbs.	**61-422**
17"	16-1	5 To 8 Lbs.	**61-161**	26"	25-1	4 To 9 Lbs.	**61-251**	34"	33-2	13 To 18 Lbs.	**61-332**	43"	42-3	20 To 25 Lbs.	**61-423**
17"	16-2	8 To 11 Lbs.	**61-162**	26"	25-2	9 To 15 Lbs.	**61-252**	34"	33-3	18 To 24 Lbs.	**61-333**	43"	42-4	25 To 31 Lbs.	**61-424**
17"	16-3	11 To 14 Lbs.	**61-163**	26"	25-3	15 To 20 Lbs.	**61-253**	34"	33-4	24 To 29 Lbs.	**61-334**	43"	42-5	31 To 36 Lbs.	**61-425**
17"	16-4	14 To 19 Lbs.	**61-164**	26"	25-4	20 To 25 Lbs.	**61-254**	34"	33-5	29 To 32 Lbs.	**61-335**	43"	42-9	36 To 42 Lbs.	**61-429**
17"	16-5	19 To 23 Lbs.	**61-165**	26"	25-5	25 To 31 Lbs.	**61-255**	34"	33-6	32 To 35 Lbs.	**61-336**	44"	43-1	9 To 14 Lbs.	**61-431**
17"	16-9	23 To 26 Lbs.	**61-169**	26"	25-9	31 To 34 Lbs.	**61-259**	34"	33-9	35 To 38 Lbs.	**61-339**	44"	43-2	14 To 19 Lbs.	**61-432**
18"	17-1	5 To 8 Lbs.	**61-171**	27"	26-1	5 To 9 Lbs.	**61-261**	35"	34-1	8 To 13 Lbs.	**61-341**	44"	43-3	19 To 24 Lbs.	**61-433**
18"	17-2	8 To 11 Lbs.	**61-172**	27"	26-2	9 To 13 Lbs.	**61-262**	35"	34-2	13 To 18 Lbs.	**61-342**	44"	43-4	24 To 30 Lbs.	**61-434**
18"	17-3	11 To 14 Lbs.	**61-173**	27"	26-3	13 To 19 Lbs.	**61-263**	35"	34-3	18 To 24 Lbs.	**61-343**	44"	43-5	30 To 36 Lbs.	**61-435**
18"	17-4	14 To 17 Lbs.	**61-174**	27"	26-4	19 To 26 Lbs.	**61-264**	35"	34-4	24 To 31 Lbs.	**61-344**	44"	43-9	36 To 42 Lbs.	**61-439**
18"	17-5	17 To 20 Lbs.	**61-175**	27"	26-5	26 To 30 Lbs.	**61-265**	35"	34-5	31 To 34 Lbs.	**61-345**	45"	44-1	9 To 14 Lbs.	**61-441**
18"	17-9	20 To 26 Lbs.	**61-179**	27"	26-6	30 To 33 Lbs.	**61-266**	35"	34-9	34 To 38 Lbs.	**61-349**	45"	44-2	14 To 20 Lbs.	**61-442**
19"	18-1	5 To 8 Lbs.	**61-181**	27"	26-9	33 To 34 Lbs.	**61-269**	36"	35-1	8 To 13 Lbs.	**61-351**	45"	44-3	20 To 24 Lbs.	**61-443**
19"	18-2	8 To 11 Lbs.	**61-182**	28"	27-1	5 To 9 Lbs.	**61-271**	36"	35-2	13 To 18 Lbs.	**61-352**	45"	44-4	24 To 31 Lbs.	**61-444**
19"	18-3	11 To 14 Lbs.	**61-183**	28"	27-2	9 To 13 Lbs.	**61-272**	36"	35-3	18 To 23 Lbs.	**61-353**	45"	44-5	31 To 36 Lbs.	**61-445**
19"	18-4	14 To 17 Lbs.	**61-184**	28"	27-3	13 To 20 Lbs.	**61-273**	36"	35-4	23 To 30 Lbs.	**61-354**	45"	44-9	36 To 42 Lbs.	**61-449**

Continued on next page

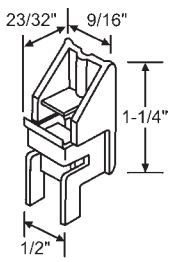
61 SERIES CHANNEL BALANCE WITH HEMMED EDGE

Continued from previous page.

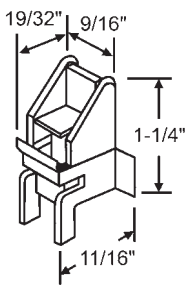
Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number
46"	45-1	9 To 14 Lbs.	**61-451**	48"	47-4	24 To 30 Lbs.	**61-474**	51"	50-1	9 To 15 Lbs.	**61-5010**	53"	52-4	24 To 32 Lbs.	**61-5240**
46"	45-2	14 To 19 Lbs.	**61-452**	48"	47-5	30 To 37 Lbs.	**61-475**	51"	50-2	15 To 19 Lbs.	**61-5020**	53"	52-5	32 To 37 Lbs.	**61-5250**
46"	45-3	19 To 24 Lbs.	**61-453**	48"	47-9	37 To 44 Lbs.	**61-479**	51"	50-3	19 To 25 Lbs.	**61-5030**	53"	52-9	37 To 44 Lbs.	**61-5290**
46"	45-4	24 To 31 Lbs.	**61-454**	49"	48-1	9 To 14 Lbs.	**61-481**	51"	50-4	25 To 32 Lbs.	**61-5040**	54"	53-1	9 To 14 Lbs.	**61-5310**
46"	45-5	31 To 37 Lbs.	**61-455**	49"	48-2	14 To 19 Lbs.	**61-482**	51"	50-5	32 To 37 Lbs.	**61-5050**	54"	53-2	14 To 19 Lbs.	**61-5320**
46"	45-9	37 To 42 Lbs.	**61-459**	49"	48-3	19 To 24 Lbs.	**61-483**	51"	50-9	37 To 44 Lbs.	**61-5090**	54"	53-3	19 To 25 Lbs.	**61-5330**
47"	46-1	9 To 14 Lbs.	**61-461**	49"	48-4	24 To 32 Lbs.	**61-484**	52"	51-1	9 To 14 Lbs.	**61-5110**	54"	53-4	25 To 34 Lbs.	**61-5340**
47"	46-2	14 To 19 Lbs.	**61-462**	49"	48-5	32 To 37 Lbs.	**61-485**	52"	51-2	14 To 19 Lbs.	**61-5120**	54"	53-5	34 To 39 Lbs.	**61-5350**
47"	46-3	19 To 25 Lbs.	**61-463**	49"	48-9	37 To 44 Lbs.	**61-489**	52"	51-3	19 To 24 Lbs.	**61-5130**	54"	53-9	39 To 44 Lbs.	**61-5390**
47"	46-4	25 To 31 Lbs.	**61-464**	50"	49-1	9 To 14 Lbs.	**61-491**	52"	51-4	24 To 32 Lbs.	**61-5140**	55"	54-3	19 To 24 Lbs.	**61-5430**
47"	46-5	31 To 37 Lbs.	**61-465**	50"	49-2	14 To 19 Lbs.	**61-492**	52"	51-5	32 To 37 Lbs.	**61-5150**	55"	54-5	32 To 37 Lbs.	**61-5450**
47"	46-9	37 To 44 Lbs.	**61-469**	50"	49-3	19 To 24 Lbs.	**61-493**	52"	51-9	37 To 44 Lbs.	**61-5190**	55"	54-9	37 To 44 Lbs.	**61-5490**
48"	47-1	9 To 14 Lbs.	**61-471**	50"	49-4	24 To 32 Lbs.	**61-494**	53"	52-1	9 To 14 Lbs.	**61-5210**	57"	56-5	32 To 37 Lbs.	**61-5650**
48"	47-2	14 To 19 Lbs.	**61-472**	50"	49-5	32 To 37 Lbs.	**61-495**	53"	52-2	14 To 19 Lbs.	**61-5220**	59"	58-3	19 To 24 Lbs.	**61-5830**
48"	47-3	19 To 24 Lbs.	**61-473**	50"	49-9	37 To 44 Lbs.	**61-499**	53"	52-3	19 To 24 Lbs.	**61-5230**				

TOP BRACKETS

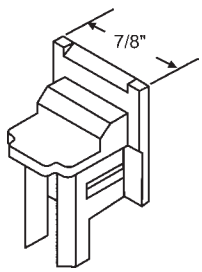
60-Series top brackets are all interchangeable with 61-Series balances. Use 61-Series bottom brackets listed below.



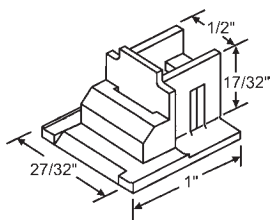
Part #	Color
60-507	White
60-507B	Black



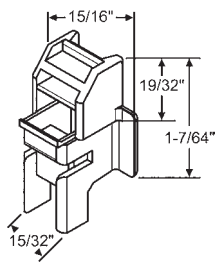
60-508



61-503
No Longer Available. Use 60-595

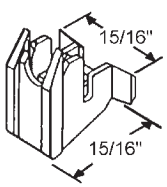


60-595

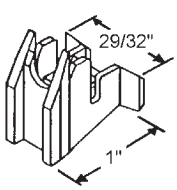


61-516
Nylon
PGT/ATRIUM

BOTTOM BRACKETS



61-508



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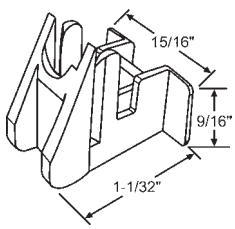
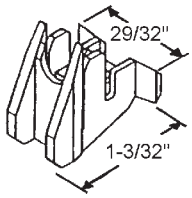


61-519
Nylon
PGT/ATRIUM



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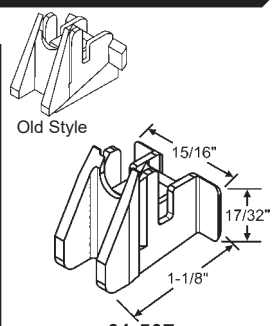

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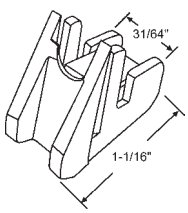
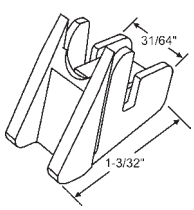


61-515
No Longer Available
Use: 61-501



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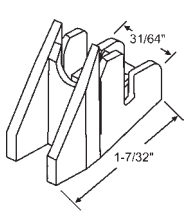

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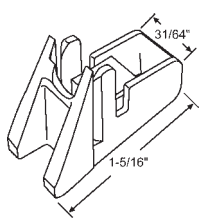

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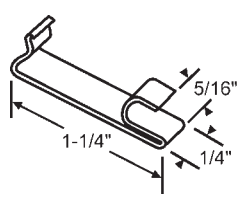

60-708
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61AP SERIES NON-TILT BALANCE

Ordering Information

1. Measure metal channel length (do not include plastic ends).
2. Check number stamped on channel (eg:23 1, 35 16, etc.).
3. Select our corresponding part number from the chart below.
4. Identify the top and bottom end combination to be attached and add suffix to part number. **Balance not sold separately, ends must be attached.**

Example Ordering Chart

Length of Metal Channel	Number Stamped on Balance	Part Number	Attached Ends Suffix	Complete Part Number
42"	41 15	61AP-4115	-6	61AP-4115-6

Length of Metal Channel	Number Stamped on Balance	Sash Weight	Spring	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Spring	Our Part Number
8"	7 1	2 to 3 LBS	Single	**61AP-071**	13"	12 2	5 to 8 LBS	Single	**61AP-122**
8"	7 2	3 to 4 LBS	Single	**61AP-072**	13"	12 3	8 to 10 LBS	Single	**61AP-123**
8"	7 3	4 to 5 LBS	Single	**61AP-073**	13"	12 4	10 to 13 LBS	Single	**61AP-124**
8"	7 4	5 to 6 LBS	Single	**61AP-074**	13"	12 5	13 to 16 LBS	Single	**61AP-125**
8"	7 5	6 to 8 LBS	Single	**61AP-075**	13"	12 6	16 to 19 LBS	Single	**61AP-126**
8"	7 9	8 to 10 LBS	Single	**61AP-079**	13"	12 9	19 to 22 LBS	Single	**61AP-129**
8"	7 11	10 to 14 LBS	Single	**61AP-0711**	13"	12 11	22 to 24 LBS	Double	**61AP-1211**
8"	7 12	14 to 18 LBS	Single	**61AP-0712**	13"	12 12	24 to 27 LBS	Double	**61AP-1212**
9"	8 1	2 to 3 LBS	Single	**61AP-081**	13"	12 13	27 to 30 LBS	Double	**61AP-1213**
9"	8 2	3 to 4 LBS	Single	**61AP-082**	13"	12 14	30 to 33 LBS	Double	**61AP-1214**
9"	8 3	4 to 6 LBS	Single	**61AP-083**	14"	13 1	3 to 5 LBS	Single	**61AP-131**
9"	8 4	6 to 8 LBS	Single	**61AP-084**	14"	13 2	5 to 8 LBS	Single	**61AP-132**
9"	8 5	8 to 10 LBS	Single	**61AP-085**	14"	13 3	8 to 10 LBS	Single	**61AP-133**
9"	8 9	10 to 12 LBS	Single	**61AP-089**	14"	13 4	10 to 13 LBS	Single	**61AP-134**
9"	8 11	12 to 16 LBS	Single	**61AP-0811**	14"	13 5	13 to 16 LBS	Single	**61AP-135**
9"	8 12	16 to 20 LBS	Single	**61AP-0812**	14"	13 6	16 to 19 LBS	Single	**61AP-136**
10"	9 1	3 to 5 LBS	Single	**61AP-091**	14"	13 9	19 to 22 LBS	Single	**61AP-139**
10"	9 2	5 to 7 LBS	Single	**61AP-092**	14"	13 11	22 to 24 LBS	Double	**61AP-1311**
10"	9 3	7 to 9 LBS	Single	**61AP-093**	14"	13 12	24 to 27 LBS	Double	**61AP-1312**
10"	9 4	9 to 11 LBS	Single	**61AP-094**	14"	13 13	27 to 30 LBS	Double	**61AP-1313**
10"	9 5	11 to 12 lbs	Single	**61AP-095**	14"	13 14	30 to 33 LBS	Double	**61AP-1314**
10"	9 6	12 to 13 LBS	Single	**61AP-096**	14"	13 15	33 to 35 LBS	Double	**61AP-1315**
10"	9 9	12 to 15 LBS	Single	**61AP-099**	15"	14 1	4 to 6 LBS	Single	**61AP-141**
10"	9 11	15 to 18 LBS	Single	**61AP-0911**	15"	14 2	6 to 9 LBS	Single	**61AP-142**
10"	9 12	10 to 22 LBS	Single	**61AP-0912**	15"	14 3	9 to 12 LBS	Single	**61AP-143**
11"	10 1	3 to 5 LBS	Single	**61AP-101**	15"	14 4	12 to 15 LBS	Single	**61AP-144**
11"	10 2	5 to 7 LBS	Single	**61AP-102**	15"	14 5	16 to 19 LBS	Single	**61AP-145**
11"	10 3	7 to 9 LBS	Single	**61AP-103**	15"	14 6	19 to 23 LBS	Single	**61AP-146**
11"	10 4	9 to 11 LBS	Single	**61AP-104**	15"	14 9	23 to 25 LBS	Single	**61AP-149**
11"	10 5	11 to 13 LBS	Single	**61AP-105**	15"	14 11	26 to 27 LBS	Double	**61AP-1411**
11"	10 6	13 to 16 LBS	Single	**61AP-106**	15"	14 12	27 to 30 LBS	Double	**61AP-1412**
11"	10 9	16 to 18 LBS	Single	**61AP-109**	15"	14 13	30 to 33 LBS	Double	**61AP-1413**
11"	10 11	18 to 22 LBS	Single	**61AP-1011**	15"	14 14	33 to 35 LBS	Double	**61AP-1414**
11"	10 12	22 to 26 LBS	Single	**61AP-1012**	15"	14 15	35 to 37 LBS	Double	**61AP-1415**
12"	11 1	3 to 4 LBS	Single	**61AP-111**	16"	15 1	4 to 6 LBS	Single	**61AP-151**
12"	11 2	5 to 6 LBS	Single	**61AP-112**	16"	15 2	6 to 9 LBS	Single	**61AP-152**
12"	11 3	7 to 8 LBS	Single	**61AP-113**	16"	15 3	9 to 12 LBS	Single	**61AP-153**
12"	11 4	9 to 11 LBS	Single	**61AP-114**	16"	15 4	12 to 16 LBS	Single	**61AP-154**
12"	11 5	11 to 13 LBS	Single	**61AP-115**	16"	15 5	16 to 19 LBS	Single	**61AP-155**
12"	11 6	13 to 16 LBS	Single	**61AP-116**	16"	15 6	19 to 23 LBS	Single	**61AP-156**
12"	11 9	16 to 20 LBS	Single	**61AP-119**	16"	15 9	23 to 25 LBS	Single	**61AP-159**
12"	11 11	20 to 24 LBS	Single	**61AP-1111**	16"	15 11	26 to 27 LBS	Double	**61AP-1511**
12"	11 12	24 to 27 LBS	Single	**61AP-1112**	16"	15 12	27 to 30 LBS	Double	**61AP-1512**
13"	12 1	3 to 4 LBS	Single	**61AP-121**	16"	15 13	30 to 33 LBS	Double	**61AP-1513**

Continued on next page

61AP SERIES NON-TILT BALANCE

Continued from previous page

Length of Metal Channel	Number Stamped on Balance	Sash Weight	Spring	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Spring	Our Part Number
16"	15 14	33 to 35 LBS	Double	**61AP-1514**	22"	21 1	4 to 7 LBS	Single	**61AP-211**
16"	15 15	35 to 37 LBS	Double	**61AP-1515**	22"	21 2	7 to 10 LBS	Single	**61AP-212**
17"	16 1	4 to 6 LBS	Single	**61AP-161**	22"	21 3	10 to 14 LBS	Single	**61AP-213**
17"	16 2	6 to 9 LBS	Single	**61AP-162**	22"	21 4	14 to 19 LBS	Single	**61AP-214**
17"	16 3	9 to 12 LBS	Single	**61AP-163**	22"	21 5	19 to 24 LBS	Single	**61AP-215**
17"	16 4	12 to 16 LBS	Single	**61AP-164**	22"	21 6	24 to 27 LBS	Single	**61AP-216**
17"	16 5	16 to 19 LBS	Single	**61AP-165**	22"	21 9	27 to 30 LBS	Single	**61AP-219**
17"	16 6	19 to 23 LBS	Single	**61AP-166**	22"	21 11	30 to 31 LBS	Double	**61AP-2111**
17"	16 9	23 to 26 LBS	Single	**61AP-169**	22"	21 12	31 to 34 LBS	Double	**61AP-2112**
17"	16 11	26 to 27 LBS	Double	**61AP-1611**	22"	21 13	34 to 37 LBS	Double	**61AP-2113**
17"	16 12	27 to 30 LBS	Double	**61AP-1612**	22"	21 14	37 to 40 LBS	Double	**61AP-2114**
17"	16 13	30 to 33 LBS	Double	**61AP-1613**	22"	21 15	40 to 42 LBS	Double	**61AP-2115**
17"	16 14	33 to 35 LBS	Double	**61AP-1614**	23"	22 1	5 to 8 LBS	Single	**61AP-221**
17"	16 15	35 to 37 LBS	Double	**61AP-1615**	23"	22 2	8 to 11 LBS	Single	**61AP-222**
18"	17 1	4 to 6 LBS	Single	**61AP-171**	23"	22 3	11 to 14 LBS	Single	**61AP-223**
18"	17 2	6 to 9 LBS	Single	**61AP-172**	23"	22 4	14 to 19 LBS	Single	**61AP-224**
18"	17 3	9 to 12 LBS	Single	**61AP-173**	23"	22 5	19 to 24 LBS	Single	**61AP-225**
18"	17 4	12 to 16 LBS	Single	**61AP-174**	23"	22 6	24 to 29 LBS	Single	**61AP-226**
18"	17 5	16 to 19 LBS	Single	**61AP-175**	23"	22 9	29 to 32 LBS	Single	**61AP-229**
18"	17 6	19 to 23 LBS	Single	**61AP-176**	23"	22 12	32 to 34 LBS	Double	**61AP-2212**
18"	17 9	23 to 26 LBS	Single	**61AP-179**	23"	22 13	34 to 37 LBS	Double	**61AP-2213**
18"	17 11	26 to 27 LBS	Double	**61AP-1711**	23"	22 14	37 to 40 LBS	Double	**61AP-2214**
18"	17 12	27 to 30 LBS	Double	**61AP-1712**	23"	22 15	40 to 43 LBS	Double	**61AP-2215**
18"	17 13	30 to 33 LBS	Double	**61AP-1713**	24"	23 1	5 to 8 LBS	Single	**61AP-231**
18"	17 14	33 to 35 LBS	Double	**61AP-1714**	24"	23 2	8 to 11 LBS	Single	**61AP-232**
18"	17 15	35 to 38 LBS	Double	**61AP-1715**	24"	23 3	11 to 15 LBS	Single	**61AP-233**
19"	18 1	4 to 7 LBS	Single	**61AP-181**	24"	23 4	15 to 19 LBS	Single	**61AP-234**
19"	18 2	7 to 10 LBS	Single	**61AP-182**	24"	23 5	19 to 24 LBS	Single	**61AP-235**
19"	18 3	10 to 14 LBS	Single	**61AP-183**	24"	23 6	24 to 29 LBS	Single	**61AP-236**
19"	18 4	14 to 19 LBS	Single	**61AP-184**	24"	23 9	29 to 32 LBS	Single	**61AP-239**
19"	18 5	19 to 24 LBS	Single	**61AP-185**	24"	23 12	32 to 34 LBS	Double	**61AP-2312**
19"	18 6	24 to 27 LBS	Single	**61AP-186**	24"	23 13	34 to 37 LBS	Double	**61AP-2313**
19"	18 9	27 to 30 LBS	Single	**61AP-189**	24"	23 14	37 to 40 LBS	Double	**61AP-2314**
19"	18 11	30 to 31 LBS	Double	**61AP-1811**	24"	23 15	40 to 43 LBS	Double	**61AP-2315**
19"	18 12	31 to 33 LBS	Double	**61AP-1812**	25"	24 1	5 to 8 LBS	Single	**61AP-241**
19"	18 13	33 to 35 LBS	Double	**61AP-1813**	25"	24 2	8 to 11 LBS	Single	**61AP-242**
19"	18 14	35 to 38 LBS	Double	**61AP-1814**	25"	24 3	11 to 15 LBS	Single	**61AP-243**
19"	18 15	38 to 40	Double	**61AP-1815**	25"	24 4	15 to 19 LBS	Single	**61AP-244**
20"	19 1	4 to 7 LBS	Single	**61AP-191**	25"	24 5	19 to 24 LBS	Single	**61AP-245**
20"	19 2	7 to 10 LBS	Single	**61AP-192**	25"	24 6	24 to 29 LBS	Single	**61AP-246**
20"	19 3	10 to 14 LBS	Single	**61AP-193**	25"	24 9	29 to 34 LBS	Single	**61AP-249**
20"	19 4	14 to 19 LBS	Single	**61AP-194**	25"	24 11	34 to 36 LBS	Double	**61AP-2411**
20"	19 5	19 to 24 LBS	Single	**61AP-195**	25"	24 12	36 to 39 LBS	Double	**61AP-2412**
20"	19 6	24 to 27 LBS	Single	**61AP-196**	25"	24 13	39 to 42 LBS	Double	**61AP-2413**
20"	19 9	27 to 30 LBS	Single	**61AP-199**	25"	24 14	42 to 45 LBS	Double	**61AP-2414**
20"	19 11	30 to 31 LBS	Double	**61AP-1911**	25"	24 15	45 to 47 LBS	Double	**61AP-2415**
20"	19 12	31 to 34 LBS	Double	**61AP-1912**	26"	25 1	5 to 8 LBS	Single	**61AP-251**
20"	19 13	34 to 37 LBS	Double	**61AP-1913**	26"	25 2	8 to 11 LBS	Single	**61AP-252**
20"	19 14	37 to 40 LBS	Double	**61AP-1914**	26"	25 3	11 to 15 LBS	Single	**61AP-253**
20"	19 15	40 to 42 LBS	Double	**61AP-1915**	26"	25 4	15 to 19 LBS	Single	**61AP-254**
21"	20 1	4 to 7 LBS	Single	**61AP-201**	26"	25 5	19 to 24 LBS	Single	**61AP-255**
21"	20 2	7 to 10 LBS	Single	**61AP-202**	26"	25 6	24 to 29 LBS	Single	**61AP-256**
21"	20 3	10 to 14 LBS	Single	**61AP-203**	26"	25 9	29 to 34 LBS	Single	**61AP-259**
21"	20 4	14 to 19 LBS	Single	**61AP-204**	26"	25 11	34 to 36 LBS	Double	**61AP-2511**
21"	20 5	19 to 24 LBS	Single	**61AP-205**	26"	25 12	36 to 39 LBS	Double	**61AP-2512**
21"	20 6	24 to 27 LBS	Single	**61AP-206**	26"	25 13	39 to 42 LBS	Double	**61AP-2513**
21"	20 9	27 to 30 LBS	Single	**61AP-209**	26"	25 14	42 to 45 LBS	Double	**61AP-2514**
21"	20 11	30 to 31 LBS	Double	**61AP-2011**	26"	25 15	45 to 47 LBS	Double	**61AP-2515**
21"	20 12	31 to 34 LBS	Double	**61AP-2012**	26"	25 16	47 to 49 LBS	Double	**61AP-2516**
21"	20 13	34 to 37 LBS	Double	**61AP-2013**	27"	26 1	5 to 8 LBS	Single	**61AP-261**
21"	20 14	37 to 40 LBS	Double	**61AP-2014**	27"	26 2	8 to 12 LBS	Single	**61AP-262**
21"	20 15	40 to 42 LBS	Double	**61AP-2015**	27"	26 3	12 to 17 LBS	Single	**61AP-263**

Continued on next page

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Continued from previous page

Length of Metal Channel	Number Stamped on Balance	Sash Weight	Spring	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Spring	Our Part Number
27"	26 4	17 to 22 LBS	Single	**61AP-264**	32"	31 1	6 to 9 LBS	Single	**61AP-311**
27"	26 5	22 to 26 LBS	Single	**61AP-265**	32"	31 2	9 to 13 LBS	Single	**61AP-312**
27"	26 6	26 to 30 LBS	Single	**61AP-266**	32"	31 3	13 to 18 LBS	Single	**61AP-313**
27"	26 9	30 to 34 LBS	Single	**61AP-269**	32"	31 4	18 to 24 LBS	Single	**61AP-314**
27"	26 11	34 to 36 LBS	Double	**61AP-2611**	32"	31 5	24 to 30 LBS	Single	**61AP-315**
27"	26 12	36 to 39 LBS	Double	**61AP-2612**	32"	31 6	30 to 35 LBS	Single	**61AP-316**
27"	26 13	39 to 42 LBS	Double	**61AP-2613**	32"	31 9	35 to 38 LBS	Single	**61AP-319**
27"	26 14	42 to 45 LBS	Double	**61AP-2614**	32"	31 12	38 to 41 LBS	Double	**61AP-3112**
27"	26 15	45 to 47 LBS	Double	**61AP-2615**	32"	31 13	41 to 43 LBS	Double	**61AP-3113**
27"	26 16	47 to 49 LBS	Double	**61AP-2616**	32"	31 14	43 to 45 LBS	Double	**61AP-3114**
28"	27 1	5 to 8 LBS	Single	**61AP-271**	32"	31 15	45 to 47 LBS	Double	**61AP-3115**
28"	27 2	8 to 12 LBS	Single	**61AP-272**	32"	31 16	47 to 50 LBS	Double	**61AP-3116**
28"	27 3	12 to 17 LBS	Single	**61AP-273**	32"	31 17	50 to 52 LBS	Double	**61AP-3117**
28"	27 4	17 to 22 LBS	Single	**61AP-274**	33"	32 1	6 to 9 LBS	Single	**61AP-321**
28"	27 5	22 to 27 LBS	Single	**61AP-275**	33"	32 2	9 to 13 LBS	Single	**61AP-322**
28"	27 6	27 to 31 LBS	Single	**61AP-276**	33"	32 3	13 to 18 LBS	Single	**61AP-323**
28"	27 9	31 to 36 LBS	Single	**61AP-279**	33"	32 4	18 to 24 LBS	Single	**61AP-324**
28"	27 11	36 to 37 LBS	Double	**61AP-2711**	33"	32 5	24 to 30 LBS	Single	**61AP-325**
28"	27 12	37 to 40 LBS	Double	**61AP-2712**	33"	32 6	30 to 35 LBS	Single	**61AP-326**
28"	27 13	40 to 43 LBS	Double	**61AP-2713**	33"	32 9	35 to 38 LBS	Single	**61AP-329**
28"	27 14	43 to 45 LBS	Double	**61AP-2714**	33"	32 12	38 to 41 LBS	Double	**61AP-3212**
28"	27 15	45 to 47 LBS	Double	**61AP-2715**	33"	32 13	41 to 43 LBS	Double	**61AP-3213**
28"	27 16	47 to 50 LBS	Double	**61AP-2716**	33"	32 14	43 to 45 LBS	Double	**61AP-3214**
29"	28 1	6 to 9 LBS	Single	**61AP-281**	33"	32 15	45 to 48 LBS	Double	**61AP-3215**
29"	28 2	9 to 13 LBS	Single	**61AP-282**	33"	32 16	48 to 50 LBS	Double	**61AP-3216**
29"	28 3	13 to 18 LBS	Single	**61AP-283**	33"	32 17	50 to 52 LBS	Double	**61AP-3217**
29"	28 4	18 to 24 LBS	Single	**61AP-284**	34"	33 1	6 to 9 LBS	Single	**61AP-331**
29"	28 5	24 to 30 LBS	Single	**61AP-285**	34"	33 2	9 to 13 LBS	Single	**61AP-332**
29"	28 6	30 to 34 LBS	Single	**61AP-286**	34"	33 3	13 to 18 LBS	Single	**61AP-333**
29"	28 9	34 to 38 LBS	Single	**61AP-289**	34"	33 4	18 to 24 LBS	Single	**61AP-334**
29"	28 12	38 to 41 LBS	Double	**61AP-2812**	34"	33 5	24 to 30 LBS	Single	**61AP-335**
29"	28 13	41 to 43 LBS	Double	**61AP-2813**	34"	33 6	30 to 35 LBS	Single	**61AP-336**
29"	28 14	43 to 45 LBS	Double	**61AP-2814**	34"	33 9	35 to 38 LBS	Single	**61AP-339**
29"	28 15	45 to 47 LBS	Double	**61AP-2815**	34"	33 12	38 to 41 LBS	Double	**61AP-3312**
29"	28 16	47 to 50 LBS	Double	**61AP-2816**	34"	33 13	41 to 43 LBS	Double	**61AP-3313**
29"	28 17	50 to 52 LBS	Double	**61AP-2817**	34"	33 14	43 to 45 LBS	Double	**61AP-3314**
30"	29 1	6 to 9 LBS	Single	**61AP-291**	34"	33 15	45 to 48 LBS	Double	**61AP-3315**
30"	29 2	9 to 13 LBS	Single	**61AP-292**	34"	33 16	48 to 50 LBS	Double	**61AP-3316**
30"	29 3	13 to 18 LBS	Single	**61AP-293**	34"	33 17	50 to 52 LBS	Double	**61AP-3317**
30"	29 4	18 to 24 LBS	Single	**61AP-294**	35"	34 1	6 to 9 LBS	Single	**61AP-341**
30"	29 5	24 to 30 LBS	Single	**61AP-295**	35"	34 2	9 to 13 LBS	Single	**61AP-342**
30"	29 6	30 to 35 LBS	Single	**61AP-296**	35"	34 3	13 to 18 LBS	Single	**61AP-343**
30"	29 9	35 to 38 LBS	Single	**61AP-299**	35"	34 4	18 to 24 LBS	Single	**61AP-344**
30"	29 12	38 to 41 LBS	Double	**61AP-2912**	35"	34 5	24 to 30 LBS	Single	**61AP-345**
30"	29 13	41 to 43 LBS	Double	**61AP-2913**	35"	34 6	30 to 35 LBS	Single	**61AP-346**
30"	29 14	43 to 45 LBS	Double	**61AP-2914**	35"	34 9	35 to 38 LBS	Single	**61AP-349**
30"	29 15	45 to 47 LBS	Double	**61AP-2915**	35"	34 12	38 to 41 LBS	Double	**61AP-3412**
30"	29 16	47 to 50 LBS	Double	**61AP-2916**	35"	34 13	41 to 43 LBS	Double	**61AP-3413**
30"	29 17	50 to 52 LBS	Double	**61AP-2917**	35"	34 14	43 to 45 LBS	Double	**61AP-3414**
31"	30 1	6 to 9 LBS	Single	**61AP-301**	35"	34 15	45 to 48 LBS	Double	**61AP-3415**
31"	30 2	9 to 13 LBS	Single	**61AP-302**	35"	34 16	48 to 51 LBS	Double	**61AP-3416**
31"	30 3	13 to 18 LBS	Single	**61AP-303**	35"	34 17	51 to 53 LBS	Double	**61AP-3417**
31"	30 4	18 to 24 LBS	Single	**61AP-304**	36"	35 1	8 to 12 LBS	Single	**61AP-351**
31"	30 5	24 to 30 LBS	Single	**61AP-305**	36"	35 2	12 to 17 LBS	Single	**61AP-352**
31"	30 6	30 to 35 LBS	Single	**61AP-306**	36"	35 3	17 to 23 LBS	Single	**61AP-353**
31"	30 9	35 to 38 LBS	Single	**61AP-309**	36"	35 4	23 to 29 LBS	Single	**61AP-354**
31"	30 12	38 to 41 LBS	Double	**61AP-3012**	36"	35 5	29 to 34 LBS	Single	**61AP-355**
31"	30 13	41 to 43 LBS	Double	**61AP-3013**	36"	35 6	34 to 38 LBs	Single	**61AP-356**
31"	30 14	43 to 45 LBS	Double	**61AP-3014**	36"	35 9	38 to 40 LBS	Single	**61AP-359**
31"	30 15	45 to 47 LBS	Double	**61AP-3015**	36"	35 12	40 to 43 LBS	Double	**61AP-3512**
31"	30 16	47 to 50 LBS	Double	**61AP-3016**	36"	35 13	43 to 45 LBS	Double	**61AP-3513**
31"	30 17	50 to 52 LBS	Double	**61AP-3017**	36"	35 14	45 to 48 LBS	Double	**61AP-3514**

Continued on next page

61AP SERIES NON-TILT BALANCE

Continued from previous page

Length of Metal Channel	Number Stamped on Balance	Sash Weight	Spring	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Spring	Our Part Number
36"	35 15	48 to 51 LBS	Double	**61AP-3515**	42"	41 2	13 to 18 LBS	Single	**61AP-412**
36"	35 16	51 to 53 LBS	Double	**61AP-3516**	42"	41 3	18 to 24 LBS	Single	**61AP-413**
37"	36 1	8 to 12 LBS	Single	**61AP-361**	42"	41 4	24 to 29 LBS	Single	**61AP-414**
37"	36 2	12 to 17 LBS	Single	**61AP-362**	42"	41 5	29 to 35 LBS	Single	**61AP-415**
37"	36 3	17 to 23 LBS	Single	**61AP-363**	42"	41 6	35 to 39 LBS	Single	**61AP-416**
37"	36 4	23 to 29 LBS	Single	**61AP-364**	42"	41 9	39 to 42 LBS	Single	**61AP-419**
37"	36 5	29 to 34 LBS	Single	**61AP-365**	42"	41 12	42 to 45 LBS	Double	**61AP-4112**
37"	36 6	34 to 38 LBs	Single	**61AP-366**	42"	41 13	45 to 48 LBS	Double	**61AP-4113**
37"	36 9	38 to 40 LBS	Single	**61AP-369**	42"	41 14	48 to 51 LBS	Double	**61AP-4114**
37"	36 12	40 to 43 LBS	Double	**61AP-3612**	42"	41 15	51 to 53 LBS	Double	**61AP-4115**
37"	36 13	43 to 45 LBS	Double	**61AP-3613**	43"	42 1	9 to 13 LBS	Single	**61AP-421**
37"	36 14	45 to 48 LBS	Double	**61AP-3614**	43"	42 2	13 to 18 LBS	Single	**61AP-422**
37"	36 15	48 to 51 LBS	Double	**61AP-3615**	43"	42 3	18 to 24 LBS	Single	**61AP-423**
37"	36 16	51 to 53 LBS	Double	**61AP-3616**	43"	42 4	24 to 29 LBS	Single	**61AP-424**
38"	37 1	8 to 12 LBS	Single	**61AP-371**	43"	42 5	29 to 35 LBS	Single	**61AP-425**
38"	37 2	12 to 17 LBS	Single	**61AP-372**	43"	42 6	35 to 39 LBS	Single	**61AP-426**
38"	37 3	17 to 23 LBS	Single	**61AP-373**	43"	42 9	39 to 42 LBS	Single	**61AP-429**
38"	37 4	23 to 29 LBS	Single	**61AP-374**	43"	42 12	42 to 45 LBS	Double	**61AP-4212**
38"	37 5	29 to 34 LBS	Single	**61AP-375**	43"	42 13	45 to 48 LBS	Double	**61AP-4213**
38"	37 6	34 to 38 LBs	Single	**61AP-376**	43"	42 14	48 to 51 LBS	Double	**61AP-4214**
38"	37 9	38 to 40 LBS	Single	**61AP-379**	43"	42 15	51 to 53 LBS	Double	**61AP-4215**
38"	37 12	40 to 43 LBS	Double	**61AP-3712**	44"	43 1	9 to 13 LBS	Single	**61AP-431**
38"	37 13	43 to 45 LBS	Double	**61AP-3713**	44"	43 2	13 to 18 LBS	Single	**61AP-432**
38"	37 14	45 to 48 LBS	Double	**61AP-3714**	44"	43 3	18 to 24 LBS	Single	**61AP-433**
38"	37 15	48 to 51 LBS	Double	**61AP-3715**	44"	43 4	24 to 29 LBS	Single	**61AP-434**
38"	37 16	51 to 53 LBS	Double	**61AP-3716**	44"	43 5	29 to 35 LBS	Single	**61AP-435**
39"	38 1	8 to 12 LBS	Single	**61AP-381**	44"	43 6	35 to 39 LBS	Single	**61AP-436**
39"	38 2	12 to 17 LBS	Single	**61AP-382**	44"	43 9	39 to 42 LBS	Single	**61AP-439**
39"	38 3	17 to 23 LBS	Single	**61AP-383**	44"	43 12	42 to 45 LBS	Double	**61AP-4312**
39"	38 4	23 to 29 LBS	Single	**61AP-384**	44"	43 13	45 to 48 LBS	Double	**61AP-4313**
39"	38 5	29 to 34 LBS	Single	**61AP-385**	44"	43 14	48 to 51 LBS	Double	**61AP-4314**
39"	38 6	34 to 38 LBs	Single	**61AP-386**	44"	43 15	51 to 53 LBS	Double	**61AP-4315**
39"	38 9	38 to 40 LBS	Single	**61AP-389**	45"	44 1	9 to 13 LBS	Single	**61AP-441**
39"	38 12	40 to 43 LBS	Double	**61AP-3812**	45"	44 2	13 to 18 LBS	Single	**61AP-442**
39"	38 13	43 to 45 LBS	Double	**61AP-3813**	45"	44 3	18 to 24 LBS	Single	**61AP-443**
39"	38 14	45 to 48 LBS	Double	**61AP-3814**	45"	44 4	24 to 29 LBS	Single	**61AP-444**
39"	38 15	48 to 51 LBS	Double	**61AP-3815**	45"	44 5	29 to 35 LBS	Single	**61AP-445**
39"	38 16	51 to 53 LBS	Double	**61AP-3816**	45"	44 6	35 to 39 LBS	Single	**61AP-446**
40"	39 1	8 to 12 LBS	Single	**61AP-391**	45"	44 9	39 to 42 LBS	Single	**61AP-449**
40"	39 2	12 to 17 LBS	Single	**61AP-392**	45"	44 12	42 to 45 LBS	Double	**61AP-4412**
40"	39 3	17 to 23 LBS	Single	**61AP-393**	45"	44 13	45 to 48 LBS	Double	**61AP-4413**
40"	39 4	23 to 29 LBS	Single	**61AP-394**	45"	44 14	48 to 51 LBS	Double	**61AP-4414**
40"	39 5	29 to 34 LBS	Single	**61AP-395**	45"	44 5	51 to 53 LBS	Double	**61AP-4415**
40"	39 6	34 to 38 LBs	Single	**61AP-396**	46"	45 1	9 to 13 LBS	Single	**61AP-451**
40"	39 9	38 to 40 LBS	Single	**61AP-399**	46"	45 2	13 to 18 LBS	Single	**61AP-452**
40"	39 12	40 to 43 LBS	Double	**61AP-3912**	46"	45 3	18 to 24 LBS	Single	**61AP-453**
40"	39 13	43 to 45 LBS	Double	**61AP-3913**	46"	45 4	24 to 29 LBS	Single	**61AP-454**
40"	39 14	45 to 48 LBS	Double	**61AP-3914**	46"	45 5	29 to 35 LBS	Single	**61AP-455**
40"	39 15	48 to 51 LBS	Double	**61AP-3915**	46"	45 6	35 to 39 LBS	Single	**61AP-456**
40"	39 16	51 to 53 LBS	Double	**61AP-3916**	46"	45 9	39 to 42 LBS	Single	**61AP-459**
41"	40 1	9 to 13 LBS	Single	**61AP-401**	46"	45 12	42 to 45 LBS	Double	**61AP-4512**
41"	40 2	13 to 18 LBS	Single	**61AP-402**	46"	45 13	45 to 48 LBS	Double	**61AP-4513**
41"	40 3	18 to 24 LBS	Single	**61AP-403**	46"	45 14	48 to 51 LBS	Double	**61AP-4514**
41"	40 4	24 to 29 LBS	Single	**61AP-404**	46"	45 15	51 to 53 LBS	Double	**61AP-4515**
41"	40 5	29 to 35 LBS	Single	**61AP-405**	47"	46 1	9 to 13 LBS	Single	**61AP-461**
41"	40 6	35 to 39 LBS	Single	**61AP-406**	47"	46 2	13 to 18 LBS	Single	**61AP-462**
41"	40 9	39 to 42 LBS	Single	**61AP-409**	47"	46 3	18 to 24 LBS	Single	**61AP-463**
41"	40 12	42 to 45 LBS	Double	**61AP-4012**	47"	46 4	24 to 29 LBS	Single	**61AP-464**
41"	40 13	45 to 48 LBS	Double	**61AP-4013**	47"	46 5	29 to 35 LBS	Single	**61AP-465**
41"	40 14	48 to 51 LBS	Double	**61AP-4014**	47"	46 6	35 to 39 LBS	Single	**61AP-466**
41"	40 15	51 to 53 LBS	Double	**61AP-4015**	47"	46 9	39 to 42 LBS	Single	**61AP-469**
42"	41 1	9 to 13 LBS	Single	**61AP-411**	47"	46 12	42 to 45 LBS	Double	**61AP-4612**

Continued on next page

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Continued from previous page

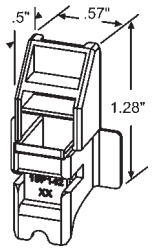
Length of Metal Channel	Number Stamped on Balance	Sash Weight	Spring	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Spring	Our Part Number
47"	46 13	45 to 48 LBS	Double	**61AP-4613**	54"	53 4	24 to 29 LBS	Single	**61AP-534**
47"	46 14	48 to 51 LBS	Double	**61AP-4614**	54"	53 5	29 to 35 LBS	Single	**61AP-535**
47"	46 15	51 to 53 LBS	Double	**61AP-4615**	54"	53 6	35 to 39 LBS	Single	**61AP-536**
48"	47 1	9 to 13 LBS	Single	**61AP-471**	54"	53 9	39 to 43 LBS	Single	**61AP-539**
48"	47 2	13 to 18 LBS	Single	**61AP-472**	54"	53 12	43 to 45 LBS	Double	**61AP-5312**
48"	47 3	18 to 24 LBS	Single	**61AP-473**	54"	53 13	45 to 48 LBS	Double	**61AP-5313**
48"	47 4	24 to 29 LBS	Single	**61AP-474**	55"	54 1	9 to 13 LBS	Single	**61AP-541**
48"	47 5	29 to 35 LBS	Single	**61AP-475**	55"	54 2	13 to 18 LBS	Single	**61AP-542**
48"	47 6	35 to 39 LBS	Single	**61AP-476**	55"	54 3	18 to 24 LBS	Single	**61AP-543**
48"	47 9	39 to 43 LBS	Single	**61AP-479**	55"	54 4	24 to 29 LBS	Single	**61AP-544**
48"	47 12	43 to 45 LBS	Double	**61AP-4712**	55"	54 5	29 to 35 LBS	Single	**61AP-545**
48"	47 13	45 to 50 LBS	Double	**61AP-4713**	55"	54 6	35 to 39 LBS	Single	**61AP-546**
48"	47 14	50 to 52 LBS	Double	**61AP-4714**	55"	54 9	39 to 43 LBS	Single	**61AP-549**
49"	48 1	9 to 13 LBS	Single	**61AP-481**	56"	55 1	9 to 13 LBS	Single	**61AP-551**
49"	48 2	13 to 18 LBS	Single	**61AP-482**	56"	55 2	13 to 18 LBS	Single	**61AP-552**
49"	48 3	18 to 24 LBS	Single	**61AP-483**	56"	55 3	18 to 24 LBS	Single	**61AP-553**
49"	48 4	24 to 29 LBS	Single	**61AP-484**	56"	55 4	24 to 29 LBS	Single	**61AP-554**
49"	48 5	29 to 35 LBS	Single	**61AP-485**	56"	55 5	29 to 35 LBS	Single	**61AP-555**
49"	48 6	35 to 39 LBS	Single	**61AP-486**	56"	55 6	35 to 39 LBS	Single	**61AP-556**
49"	48 9	39 to 43 LBS	Single	**61AP-489**	56"	55 9	39 to 43 LBS	Single	**61AP-557**
49"	48 12	43 to 45 LBS	Double	**61AP-4812**	57"	56 1	9 to 13 LBS	Single	**61AP-561**
49"	48 13	45 to 49 LBS	Double	**61AP-4813**	57"	56 2	13 to 18 LBS	Single	**61AP-562**
49"	48 14	49 to 51 LBS	Double	**61AP-4814**	57"	56 3	18 to 24 LBS	Single	**61AP-563**
50"	49 1	9 to 13 LBS	Single	**61AP-491**	57"	56 4	24 to 29 LBS	Single	**61AP-564**
50"	49 2	13 to 18 LBS	Single	**61AP-492**	57"	56 5	29 to 35 LBS	Single	**61AP-565**
50"	49 3	18 to 24 LBS	Single	**61AP-493**	57"	56 6	35 to 39 LBS	Single	**61AP-566**
50"	49 4	24 to 29 LBS	Single	**61AP-494**	57"	56 9	39 to 43 LBS	Single	**61AP-569**
50"	49 5	29 to 35 LBS	Single	**61AP-495**	58"	57 1	9 to 13 LBS	Single	**61AP-571**
50"	49 6	35 to 39 LBS	Single	**61AP-496**	58"	57 2	13 to 18 LBS	Single	**61AP-572**
50"	49 9	39 to 43 LBS	Single	**61AP-499**	58"	57 3	18 to 24 LBS	Single	**61AP-573**
50"	49 13	43 to 45 LBS	Double	**61AP-4913**	58"	57 4	24 to 29 LBS	Single	**61AP-574**
50"	49 13	45 to 48 LBS	Double	**61AP-4913**	58"	57 5	29 to 35 LBS	Single	**61AP-575**
51"	50 1	9 to 13 LBS	Single	**61AP-501**	58"	57 6	35 to 39 LBS	Single	**61AP-576**
51"	50 2	13 to 18 LBS	Single	**61AP-502**	58"	57 9	39 to 43 LBS	Single	**61AP-579**
51"	50 3	18 to 24 LBS	Single	**61AP-503**	59"	58 1	9 to 13 LBS	Single	**61AP-581**
51"	50 4	24 to 29 LBS	Single	**61AP-504**	59"	58 2	13 to 18 LBS	Single	**61AP-582**
51"	50 5	29 to 35 LBS	Single	**61AP-505**	59"	58 3	18 to 24 LBS	Single	**61AP-583**
51"	50 6	35 to 39 LBS	Single	**61AP-506**	59"	58 4	24 to 29 LBS	Single	**61AP-584**
51"	50 9	39 to 43 LBS	Single	**61AP-509**	59"	58 5	29 to 35 LBS	Single	**61AP-585**
51"	50 12	43 to 45 LBS	Double	**61AP-5012**	59"	58 6	35 to 39 LBS	Single	**61AP-586**
51"	50 13	45 to 48 LBS	Double	**61AP-5013**	60"	59 1	9 to 13 LBS	Single	**61AP-591**
52"	51 1	9 to 13 LBS	Single	**61AP-511**	60"	59 2	13 to 18 LBS	Single	**61AP-592**
52"	51 2	13 to 18 LBS	Single	**61AP-512**	60"	59 3	18 to 24 LBS	Single	**61AP-593**
52"	51 3	18 to 24 LBS	Single	**61AP-513**	60"	59 4	24 to 29 LBS	Single	**61AP-594**
52"	51 4	24 to 29 LBS	Single	**61AP-514**	60"	59 5	29 to 35 LBS	Single	**61AP-595**
52"	51 5	29 to 35 LBS	Single	**61AP-515**	60"	59 6	35 to 39 LBS	Single	**61AP-596**
52"	51 6	35 to 39 LBS	Single	**61AP-516**					
52"	51 9	39 to 43 LBS	Single	**61AP-519**					
52"	51 12	43 to 45 LBS	Double	**61AP-5112**					
52"	51 13	45 to 48 LBS	Double	**61AP-5113**					
53"	52 1	9 to 13 LBS	Single	**61AP-521**					
53"	52 2	13 to 18 LBS	Single	**61AP-522**					
53"	52 3	18 to 24 LBS	Single	**61AP-523**					
53"	52 4	24 to 29 LBS	Single	**61AP-524**					
53"	52 5	29 to 35 LBS	Single	**61AP-525**					
53"	52 6	35 to 39 LBS	Single	**61AP-526**					
53"	52 9	39 to 43 LBS	Single	**61AP-529**					
53"	52 12	43 to 45 LBS	Double	**61AP-5212**					
53"	52 13	45 to 48 LBS	Double	**61AP-5213**					
54"	53 1	9 to 13 LBS	Single	**61AP-531**					
54"	53 2	13 to 18 LBS	Single	**61AP-532**					
54"	53 3	18 to 24 LBS	Single	**61AP-533**					

Continued on next page

61AP SERIES NON-TILT BALANCE TOP AND BOTTOM END COMBINATIONS

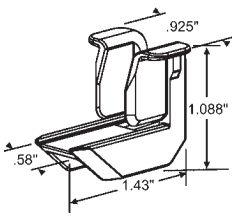
Add suffix to complete part number.

Single Spring Combo



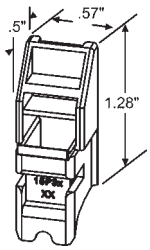
61-502

-0



61AP-505

Double Spring Combo



61-500

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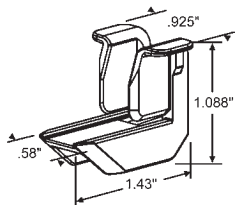
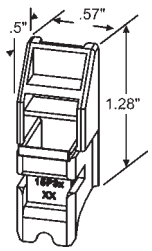


61AP-500

Double Spring Combo



61-500

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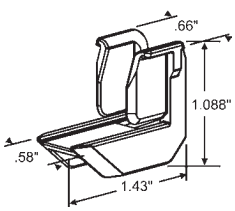

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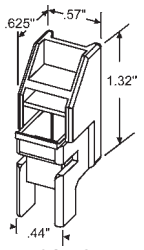
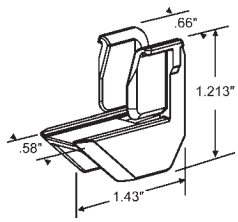


61-525

-16



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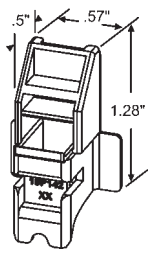

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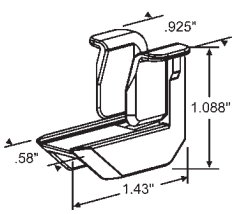
-6



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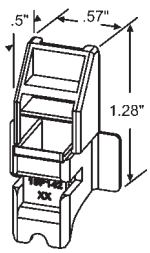
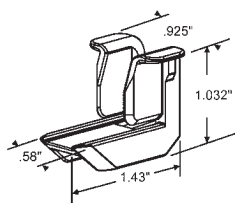
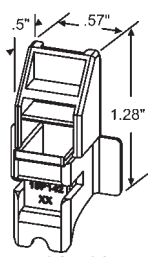


61-502

-8

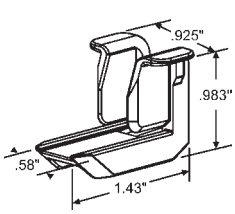


61AP-502



61-502

-9



61AP-503

AZA SALES
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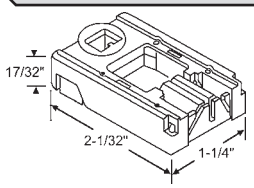
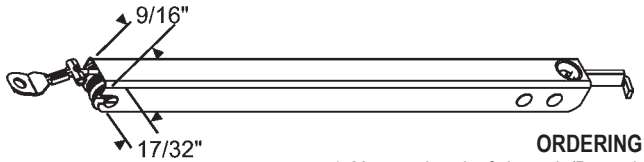
61TI SERIES INVERTED TILT BALANCE

Silver Line



85-516
SILVER LINE



GENERAL INFORMATION

All Accessories such as pivot lock shoes and pivot bars must be purchased separately. Refer to 85 Series balance accessory pages.

ORDERING INFORMATION

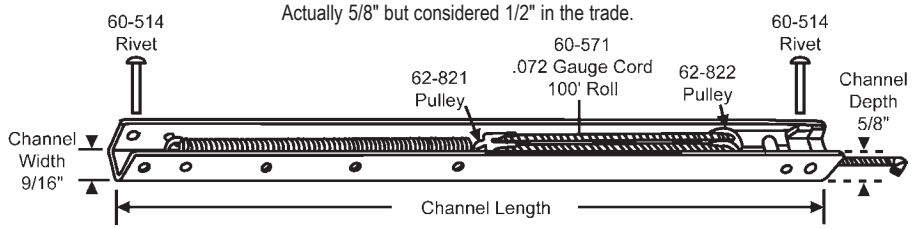
1. Measure length of channel. (Do not include any attached ends)
2. Check number stamped on channel: e.g. 23-5, 25-7 etc.
3. Check for corresponding sash weight.
4. Select our corresponding part number from the chart below and order accordingly.

Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number
10"	9-1	2 - 5	**61TI-091**	22"	21-5	15 - 19	**61TI-215**	34"	33-5	25 - 30	**61TI-335**
10"	9-3	5 - 7	**61TI-093**	22"	21-7	19 - 24	**61TI-217**	34"	33-7	30 - 34	**61TI-337**
10"	9-5	7 - 9	**61TI-095**	22"	21-9	24 - 28	**61TI-219**	34"	33-9	34 - 40	**61TI-339**
10"	9-7	9 - 11	**61TI-097**	23"	22-1	6 - 10	**61TI-221**	35"	34-1	14 - 19	**61TI-341**
11"	10-1	2 - 5	**61TI-101**	23"	22-3	10 - 14	**61TI-223**	35"	34-3	19 - 25	**61TI-343**
11"	10-3	5 - 7	**61TI-103**	23"	22-5	14 - 18	**61TI-225**	35"	34-5	25 - 30	**61TI-345**
11"	10-5	7 - 11	**61TI-105**	23"	22-7	18 - 24	**61TI-227**	35"	34-7	30 - 34	**61TI-347**
11"	10-7	11 - 13	**61TI-107**	23"	22-9	24 - 28	**61TI-229**	35"	34-9	34 - 42	**61TI-349**
11"	10-9	13 - 15	**61TI-109**	24"	23-1	7 - 10	**61TI-231**	36"	35-1	14 - 19	**61TI-351**
12"	11-1	4 - 7	**61TI-111**	24"	23-3	10 - 14	**61TI-233**	36"	35-3	19 - 25	**61TI-353**
12"	11-3	7 - 9	**61TI-113**	24"	23-5	14 - 19	**61TI-235**	36"	35-5	25 - 30	**61TI-355**
12"	11-5	9 - 13	**61TI-115**	24"	23-7	19 - 25	**61TI-237**	36"	35-7	30 - 34	**61TI-357**
12"	11-7	13 - 15	**61TI-117**	24"	23-9	25 - 30	**61TI-239**	36"	35-9	34 - 42	**61TI-359**
12"	11-9	15 - 18	**61TI-119**	25"	24-1	7 - 11	**61TI-241**	37"	36-1	14 - 19	**61TI-361**
13"	12-1	5 - 9	**61TI-121**	25"	24-3	11 - 17	**61TI-243**	37"	36-3	19 - 25	**61TI-363**
13"	12-3	9 - 12	**61TI-123**	25"	24-5	17 - 24	**61TI-245**	37"	36-5	25 - 30	**61TI-365**
13"	12-5	12 - 14	**61TI-125**	25"	24-7	24 - 30	**61TI-247**	37"	36-7	30 - 34	**61TI-367**
13"	12-7	14 - 16	**61TI-127**	25"	24-9	30 - 34	**61TI-249**	37"	36-9	34 - 42	**61TI-369**
13"	12-9	16 - 19	**61TI-129**	26"	25-1	8 - 13	**61TI-251**	38"	37-1	14 - 19	**61TI-371**
14"	13-1	5 - 9	**61TI-131**	26"	25-3	13 - 19	**61TI-253**	38"	37-3	19 - 25	**61TI-373**
14"	13-5	9 - 12	**61TI-135**	26"	25-5	19 - 24	**61TI-255**	38"	37-5	25 - 30	**61TI-375**
14"	13-7	12 - 14	**61TI-137**	26"	25-7	24 - 30	**61TI-257**	38"	37-7	30 - 35	**61TI-377**
14"	13-9	16 - 19	**61TI-139**	26"	25-9	30 - 34	**61TI-259**	38"	37-9	35 - 42	**61TI-379**
15"	14-1	5 - 8	**61TI-141**	27"	26-1	9 - 12	**61TI-261**	39"	38-1	14 - 19	**61TI-381**
15"	14-3	8 - 12	**61TI-143**	27"	26-3	12 - 17	**61TI-263**	39"	38-3	19 - 25	**61TI-383**
15"	14-5	12 - 16	**61TI-145**	27"	26-5	17 - 23	**61TI-265**	39"	38-5	25 - 30	**61TI-385**
15"	14-7	16 - 19	**61TI-147**	27"	26-7	23 - 30	**61TI-267**	39"	38-7	30 - 35	**61TI-387**
15"	14-9	19 - 25	**61TI-149**	27"	26-9	30 - 34	**61TI-269**	39"	38-9	35 - 42	**61TI-389**
16"	15-1	5 - 8	**61TI-151**	28"	27-1	10 - 14	**61TI-271**	40"	39-1	14 - 19	**61TI-391**
16"	15-3	8 - 12	**61TI-153**	28"	27-3	14 - 19	**61TI-273**	40"	39-3	19 - 25	**61TI-393**
16"	15-5	12 - 16	**61TI-155**	28"	27-5	19 - 24	**61TI-275**	40"	39-5	25 - 31	**61TI-395**
16"	15-7	16 - 19	**61TI-157**	28"	27-7	24 - 31	**61TI-277**	40"	39-7	31 - 35	**61TI-397**
16"	15-9	19 - 25	**61TI-159**	28"	27-9	31 - 34	**61TI-279**	40"	39-9	35 - 42	**61TI-399**
17"	16-1	5 - 8	**61TI-161**	29"	28-1	10 - 14	**61TI-281**	41"	40-1	14 - 19	**61TI-401**
17"	16-3	8 - 12	**61TI-163**	29"	28-3	14 - 20	**61TI-283**	41"	40-3	19 - 25	**61TI-403**
17"	16-5	12 - 16	**61TI-165**	29"	28-5	20 - 27	**61TI-285**	41"	40-5	25 - 31	**61TI-405**
17"	16-7	16 - 20	**61TI-167**	29"	28-7	27 - 34	**61TI-287**	41"	40-7	31 - 35	**61TI-407**
17"	16-9	20 - 24	**61TI-169**	29"	28-9	34 - 38	**61TI-289**	41"	40-9	35 - 42	**61TI-409**
18"	17-1	5 - 8	**61TI-171**	30"	29-1	10 - 14	**61TI-291**	42"	41-1	13 - 19	**61TI-411**
18"	17-3	8 - 12	**61TI-173**	30"	29-3	14 - 21	**61TI-293**	42"	41-3	19 - 25	**61TI-413**
18"	17-5	12 - 16	**61TI-175**	30"	29-5	21 - 27	**61TI-295**	42"	41-5	25 - 31	**61TI-415**
18"	17-7	16 - 20	**61TI-177**	30"	29-7	27 - 34	**61TI-297**	42"	41-7	31 - 36	**61TI-417**
18"	17-9	20 - 25	**61TI-179**	30"	29-9	34 - 38	**61TI-299**	42"	41-9	36 - 42	**61TI-419**
19"	18-1	5 - 9	**61TI-181**	31"	30-1	12 - 16	**61TI-301**	43"	42-1	14 - 19	**61TI-421**
19"	18-3	9 - 12	**61TI-183**	31"	30-3	16 - 23	**61TI-303**	43"	42-3	19 - 25	**61TI-423**
19"	18-5	12 - 16	**61TI-185**	31"	30-5	23 - 28	**61TI-305**	43"	42-5	25 - 31	**61TI-425**
19"	18-7	16 - 20	**61TI-187**	31"	30-7	28 - 34	**61TI-307**	43"	42-7	31 - 36	**61TI-427**
19"	18-9	20 - 26	**61TI-189**	31"	30-9	34 - 38	**61TI-309**	43"	42-9	36 - 42	**61TI-429**
20"	19-1	5 - 8	**61TI-191**	32"	31-1	13 - 17	**61TI-311**	44"	43-1	14 - 19	**61TI-431**
20"	19-3	8 - 12	**61TI-193**	32"	31-3	17 - 23	**61TI-313**	44"	43-3	19 - 25	**61TI-433**
20"	19-5	12 - 16	**61TI-195**	32"	31-5	23 - 28	**61TI-315**	44"	43-5	25 - 31	**61TI-435**
20"	19-7	16 - 21	**61TI-197**	32"	31-7	28 - 34	**61TI-317**	44"	43-7	31 - 37	**61TI-437**
20"	19-9	21 - 26	**61TI-199**	32"	31-9	34 - 38	**61TI-319**	44"	43-9	37 - 42	**61TI-439**
21"	20-1	6 - 10	**61TI-201**	33"	32-1	13 - 18	**61TI-321**	45"	44-1	14 - 19	**61TI-441**
21"	20-3	10 - 15	**61TI-203**	33"	32-3	18 - 24	**61TI-323**	45"	44-3	19 - 25	**61TI-443**
21"	20-5	15 - 19	**61TI-205**	33"	32-5	24 - 29	**61TI-325**	45"	44-5	25 - 31	**61TI-445**
21"	20-7	19 - 24	**61TI-207**	33"	32-7	29 - 34	**61TI-327**	45"	44-7	31 - 37	**61TI-447**
21"	20-9	24 - 28	**61TI-209**	33"	32-9	34 - 40	**61TI-329**	45"	44-9	37 - 42	**61TI-449**
22"	21-1	6 - 10	**61TI-211**	34"	33-1	13 - 19	**61TI-331**				
22"	21-3	10 - 15	**61TI-213**	34"	33-3	19 - 25	**61TI-333**				

62 SERIES CHANNEL BALANCES

1/2" TILT WINDOW CHANNEL BALANCE

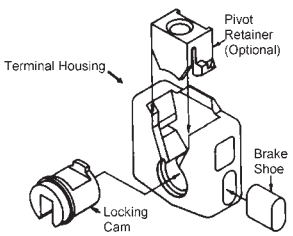
Actually 5/8" but considered 1/2" in the trade.



Ordering Information

1. Measure channel length (do not include any attached ends).
2. Check number stamped on channel. (e.g., 2210, 22DS, etc.)
3. Select our corresponding part number from the chart below.
4. If the number stamped on the balance ends with DS (double spring), you will need to select the exact weight from the weight range in the chart. An example would be if the number stamped on your balance is 19DS, you'll need to select the exact weight of the sash between 30-40 lbs. (ex. 32lbs). Then add the weight to the part number from the chart below. Ex: 62-19DS32
5. Balances that are 29" & above that have 90 stamped on the balance (ex. 3090) are no longer available. These balances are being substituted with the 50 weight range balances (ex. 3050). Balances that are below 29" & have 90 stamped on the balance (ex. 2590) they will need to be ordered by replacing the 90 that is stamped on the balance with the letter "S" (ex. 2590 to 25S). Then you will need the exact weight of the sash (usually stamped on balance. If not, you'll need to weigh the sash) & add the weight after the letter "S" (ex: if the sash weighs 28lbs, the part number would be 62-25S28).
6. Some balances maybe stamped with the letter "U" or "L" that indicates Upper sash or Lower sash. If your balance is stamped with the letter U or L, please add the letter to the end of the part number (ex. 62-305L or 62-25S28U).
7. Identify the appropriate end bracket to be attached from the illustrations shown; then add -1,-2,-3, etc suffix to complete our part number.

Note: If your balance has a rivet in the first hole at the top, order separately as part number 60-514A.



Example of Terminal Housing with Relative Components Shown

Many variations are available and, therefore, each component must be ordered separately in order to build the proper terminal housing for your specific manufacturer.

General Information

1) Any other number/letter variations which may be stamped on your balance should first be discussed with your representative to ensure that your order will be filled correctly.

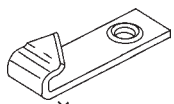
2) Balance prices include attached bracket

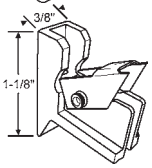
Balance Length	Number Stamped on Balance	Weight Range	Our Part Number
13"	1210	3-8	62-121-
13"	1220	8-11	62-122-
13"	1230	11-13	62-123-
13"	1240	13-17	62-124-
13"	1290	- 20	see instructions 5 and 6
14"	1310	4-8	62-131-
14"	1320	8-11	62-132-
14"	1330	11-13	62-133-
14"	1340	13-17	62-134-
14"	1390	- 20	see instructions 5 and 6
15"	1410	4-7	62-141-
15"	1420	7-11	62-142-
15"	1430	11-14	62-143-
15"	1440	14-20	62-144-
15"	1490	- 20	see instructions 5 and 6
16"	1510	4-7	62-151-
16"	1520	7-11	62-152-
16"	1530	11-14	62-153-
16"	1540	14-20	62-154-
16"	1590	- 20	see instructions 5 and 6
17"	1610	4-8	62-161-
17"	1620	8-11	62-162-
17"	1630	11-14	62-163-
17"	1640	14-20	62-164-
17"	1690	- 25	see instructions 5 and 6
17"	16DS	- 35	see instructions 4 and 6
18"	1710	4-8	62-171-
18"	1720	8-11	62-172-
18"	1730	11-14	62-173-
18"	1740	14-20	62-174-
18"	1790	- 25	see instructions 5 and 6
18"	17DS	- 35	see instructions 4 and 6
19"	1810	4-8	62-181-
19"	1820	8-11	62-182-
19"	1830	11-14	62-183-
19"	1840	14-20	62-184-
19"	1890	- 25	see instructions 5 and 6
19"	18DS	- 35	see instructions 4 and 6
20"	1910	4-7	62-191-
20"	1920	7-11	62-192-
20"	1930	11-14	62-193-
20"	1940	14-20	62-194-
20"	1990	- 30	see instructions 5 and 6
20"	19DS	- 40	see instructions 4 and 6
21"	2010	4-8	62-201-
21"	2020	8-13	62-202-
21"	2030	13-17	62-203-
21"	2040	17-25	62-204-
21"	2090	- 30	see instructions 5 and 6
21"	20DS	- 40	see instructions 4 and 6
22"	2110	5-9	62-211-
22"	2120	9-13	62-212-
22"	2130	13-17	62-213-
22"	2140	17-25	62-214-
22"	2190	- 30	see instructions 5 and 6
22"	21DS	- 40	see instructions 4 and 6
23"	2210	5-9	62-221-
23"	2220	9-14	62-222-
23"	2230	14-18	62-223-
23"	2240	18-26	62-224-
23"	2290	- 30	see instructions 5 and 6
23"	22DS	- 40	see instructions 4 and 6
24"	2310	5-10	62-231-
24"	2320	10-16	62-232-
24"	2330	16-20	62-233-
24"	2340	20-27	62-234-
24"	2390	- 30	see instructions 5 and 6
24"	23DS	- 40	see instructions 4 and 6
25"	2410	5-10	62-241-
25"	2420	10-16	62-242-
25"	2430	16-20	62-243-
25"	2440	20-27	62-244-
25"	2490	- 30	see instructions 5 and 6
25"	24DS	- 45	see instructions 4 and 6
26"	2510	5-10	62-251-
26"	2520	10-15	62-252-
26"	2530	15-20	62-253-
26"	2540	20-27	62-254-
26"	2590	- 30	see instructions 5 and 6
26"	25DS	- 45	see instructions 4 and 6
27"	2610	5-10	62-261-
27"	2620	10-16	62-262-
27"	2630	16-20	62-263-
27"	2640	20-27	62-264-
27"	2690	- 30	see instructions 5 and 6
27"	26DS	- 45	see instructions 4 and 6
28"	2710	5-10	62-271-
28"	2720	10-16	62-272-
28"	2730	16-20	62-273-
28"	2740	20-27	62-274-
28"	2790	- 30	see instructions 5 and 6
28"	27DS	- 45	see instructions 4 and 6
29"	2810	7-13	62-281-
29"	2820	13-17	62-282-
29"	2830	17-24	62-283-
29"	2840	24-30	62-284-
29"	2850	30-36	62-285-
29"	2890	- 35	62-285-

Continued on next page

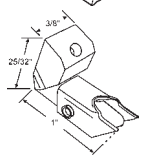
END BRACKETS

Add suffix to complete part number.
Must choose end to be attached directly to cord.

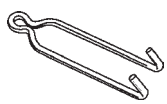
-1  **60-518**

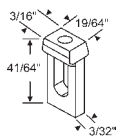
-2 

62-502
White

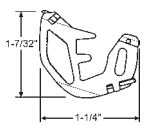
-3 

62-503

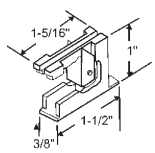
-4  **62-504**

-5 

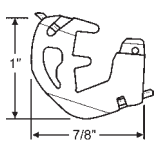
900-18354
Die Cast

-11 

62-539

-16 

62-682
White

-18 

62-543

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62 SERIES CHANNEL BALANCES

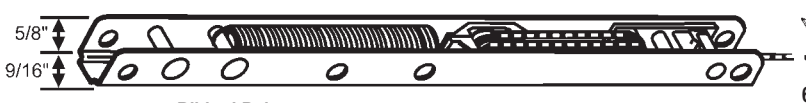
Continued from previous page.

Balance Length	Number Stamped on Balance	Weight Range	Our Part Number
29"	28DS	- 45	see instructions 4 and 6
30"	2910	8-13	62-291-
30"	2920	13-17	62-293-
30"	2930	17-24	62-293-
30"	2940	24-30	62-294-
30"	2950	30-36	62-295-
30"	2990	- 35	62-295-
30"	29DS	- 45	see instructions 4 and 6
31"	3010	8-13	62-301-
31"	3020	13-18	62-302-
31"	3030	18-24	62-303-
31"	3040	24-30	62-304-
31"	3050	30-36	62-305-
31"	3090	- 35	62-305-
31"	30DS	- 45	see instructions 4 and 6
32"	3110	8-13	62-311-
32"	3120	13-17	62-312-
32"	3130	17-24	62-313-
32"	3140	24-30	62-314-
32"	3150	30-36	62-315-
32"	3190	- 35	62-315-
32"	31DS	- 45	see instructions 4 and 6
33"	3210	8-14	62-321-
33"	3220	14-19	62-322-
33"	3230	19-24	62-323-
33"	3240	24-30	62-324-
33"	3250	30-36	62-325-
33"	3290	- 35	62-325-
33"	32DS	- 45	see instructions 4 and 6
34"	3310	9-15	62-331-
34"	3320	15-19	62-332-
34"	3330	19-23	62-333-
34"	3340	23-30	62-334-
34"	3350	30-36	62-335-
34"	3390	- 35	62-335-
34"	33DS	- 45	see instructions 4 and 6
35"	3410	9-15	62-341-
35"	3420	15-19	62-342-
35"	3430	19-25	62-343
35"	3440	25-30	62-344-
35"	3450	30-36	62-345-
35"	3490	- 35	62-345-
35"	34DS	- 45	see instructions 4 and 6
36"	3510	9-15	62-351-
36"	3520	15-19	62-352-
36"	3530	19-25	62-353-
36"	3540	25-30	62-354-
36"	3550	30-36	62-355-
36"	35DS	- 45	see instructions 4 and 6
37"	3610	9-15	62-361-
37"	3620	15-19	62-362-
37"	3630	19-25	62-363-
37"	3640	25-32	62-364-
37"	3650	32-38	62-365-
37"	36DS	- 45	see instructions 4 and 6
38"	3710	9-15	62-371-
38"	3720	15-19	62-372-
38"	3730	19-25	62-373
38"	3740	25-32	62-374-
38"	3750	32-38	62-375-
38"	37DS	- 45	see instructions 4 and 6
39"	3810	9-15	62-381-
39"	3820	15-20	62-382-
39"	3830	20-25	62-383-
39"	3840	28-32	62-384-
39"	3850	32-38	62-385-
39"	38DS	- 45	see instructions 4 and 6
40"	3910	9-15	62-391-
40"	3920	15-20	62-392-
40"	3930	20-25	62-393-
40"	3940	25-32	62-394-
40"	3950	32-38	62-395-
40"	39DS	- 45	see instructions 4 and 6
41"	4010	9-15	62-401-
41"	4020	15-20	62-402-
41"	4030	20-25	62-403-
41"	4040	25-32	62-404-
41"	4050	32-38	62-405-
41"	40DS	- 45	see instructions 4 and 6
42"	4110	9-16	62-411-
42"	4120	16-20	62-412-
42"	4130	20-25	62-413-
42"	4140	25-32	62-414-
42"	4150	32-38	62-415-
42"	41DS	- 45	see instructions 4 and 6
43"	4210	9-16	62-421-
43"	4220	16-20	62-422-
43"	4230	20-26	62-423-

Balance Length	Number Stamped on Balance	Weight Range	Our Part Number
43"	4240	26-32	62-424-
43"	4250	32-38	62-425-
43"	42DS	- 45	see instructions 4 and 6
44"	4310	9-15	62-431-
44"	4320	15-20	62-432-
44"	4330	20-26	62-433-
44"	4340	26-32	62-434-
44"	4350	32-38	62-435-
44"	43DS	- 45	see instructions 4 and 6
45"	4410	9-15	62-441-
45"	4420	15-20	62-442-
45"	4430	20-26	62-443-
45"	4440	26-32	62-444-
45"	4450	32-38	62-445-
45"	44DS	- 45	see instructions 4 and 6
46"	4510	9-15	62-451-
46"	4520	15-20	62-452-
46"	4530	20-26	62-453-
46"	4540	26-32	62-454-
46"	4550	32-40	62-455
46"	45DS	- 45	see instructions 4 and 6
47"	4610	9-15	62-461-
47"	4620	15-20	62-462-
47"	4630	20-26	62-463-
47"	4640	26-32	62-464-
47"	4650	32-40	62-465-
47"	46DS	- 45	see instructions 4 and 6
48"	4710	9-15	62-471-
48"	4720	15-20	62-472-
48"	4730	20-26	62-473-
48"	4740	26-32	62-474-
48"	4750	32-40	62-475-
48"	47DS	- 45	see instructions 4 and 6
49"	4810	9-15	62-481-
49"	4820	15-21	62-482-
49"	4830	21-26	62-483-
49"	4840	26-32	62-484-
49"	4850	32-40	62-485-
49"	48DS	- 45	see instructions 4 and 6
50"	4910	9-15	62-491-
50"	4920	15-20	62-492-
50"	4930	20-26	62-493-
50"	4940	26-32	62-494-
50"	4950	32-40	62-495-
50"	49DS	- 45	see instructions 4 and 6
51"	5010	9-15	62-501-
51"	5020	15-20	62-502-
51"	5030	20-26	62-503-
51"	5040	26-32	62-504-
51"	5050	32-40	62-505-
51"	50DS	- 45	see instructions 4 and 6
52"	5110	9-15	62-511-
52"	5120	15-21	62-512-
52"	5130	21-26	62-513-
52"	5140	26-32	62-514-
52"	5150	32-40	62-515-
52"	51DS	- 45	see instructions 4 and 6
53"	5210	9-15	62-521-
53"	5220	15-20	62-522-
53"	5230	20-26	62-523-
53"	5240	26-32	62-524-
53"	5250	32-40	62-525-
53"	52DS	- 45	see instructions 4 and 6
54"	5310	9-15	62-531-
54"	5320	15-20	62-532-
54"	5330	20-26	62-533-
54"	5340	26-32	62-534-
54"	5350	32-40	62-535-
54"	53DS	- 45	see instructions 4 and 6

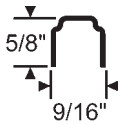
62A SERIES BALANCES FOR JAMBLINERS

1/2" RIBBED CHANNEL BALANCE FOR JAMBLINERS COMMONLY REFERRED TO AS D70 BALANCES.



Ribbed Balance

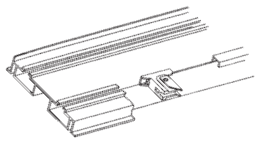
62-502 White



End view of channel shape of ribbed balances

Ordering Information

1) Measure metal channel length. Do not include any attached ends.
2) Check number stamped on channel. (e.g. 16, 16HD, 16TG, etc.)
3) Select our corresponding part number from the chart below.
4) Identify the appropriate end bracket to be attached from illustration at right of chart. Select -2, -5, -9, -12, -14, -16, -17.
5) Note -2, -12 are available in white and black. White will automatically be attached to regular balances; black will automatically be attached to HD, TG and XHD balances.



General Information

1) In order to remove 62A series balances, you must first remove all window trim and remove sash along with jambliners. Balances can then be slid out of jambliner sleeve once parts are moved to the release position. (Forcing balances out of jambliner pocket will most likely destroy vinyl extrusion!)
2) Balances can be special ordered in beige or white finishes. Contact your account manager for part numbers.

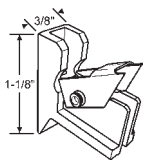
Length of Metal Channel	Number Stamped on Balance	Weight Range	Our Part Number
13"	12L	5 - 8	**62A-12L-**
13"	12 or 12R	8 - 11	**62A-12-**
13"	12HD	11-14	**62A-12HD-**
13"	12TG or 12XHD or 12XH	14-17	**62A-12TG-**
14"	13L	5-8	**62A-13L-**
14"	13 or 13R	8-11	**62A-13-**
14"	13HD	11-14	**62A-13HD-**
14"	13TG or 13XHD or 13XH	14-17	**62A-13TG-**
15"	14L	6-10	**62A-14L-**
15"	14 or 14R	10-15	**62A-14-**
15"	14HD	15-22	**62A-14HD-**
15"	14TG or 14XHD or 14XH	22-24	**62A-14TG-**
16"	15L	6-10	**62A-15L-**
16"	15 or 15R	10-15	**62A-15-**
16"	15HD	15-22	**62A-15HD-**
16"	15TG or 15XHD or 15XH	22-24	**62A-15TG-**
17"	16L	6-10	**62A-16L-**
17"	16 or 16R	10-17	**62A-16-**
17"	16HD	17-22	**62A-16HD-**
17"	16TG or 16XHD or 16XH	22-24	**62A-16TG-**
18"	17L	6-10	**62A-17L-**
18"	17 or 17R	10-17	**62A-17-**
18"	17HD	17-22	**62A-17HD-**
18"	17TG or 17XHD or 17XH	22-24	**62A-17TG-**
19"	18L	6-10	**62A-18L-**
19"	18 or 18R	10-17	**62A-18-**
19"	18HD	17-22	**62A-18HD-**
19"	18TG or 18XHD or 18XH	22-24	**62A-18TG-**
20"	19L	6-10	**62A-19L-**
20"	19 or 19R	10-17	**62A-19-**
20"	19HD	17-22	**62A-19HD-**
20"	19TG or 19XHD or 19XH	22-24	**62A-19TG-**
21"	20L	6-10	**62A-20L-**
21"	20 or 20R	10-17	**62A-20-**
21"	20HD	17-20	**62A-20HD-**
21"	20TG or 20XHD or 20XH	20-30	**62A-20TG-**
22"	21L	6-10	**62A-21L-**
22"	21 or 21R	10-17	**62A-21-**
22"	21HD	17-20	**62A-21HD-**
22"	21TG or 21XHD or 21XH	20-30	**62A-21TG-**
23"	22L	6-10	**62A-22L-**

Continued on next page

END BRACKETS

Add suffix to complete part number.

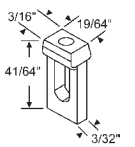
-2



Part #	Color
62-502	White
62-511	Black

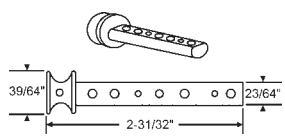
Locking Terminals
Plastic with Metal Lock

-5



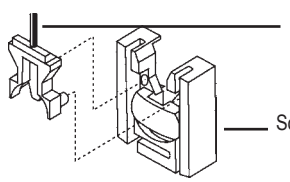
900-18354
Die Cast

-12



62-520
White

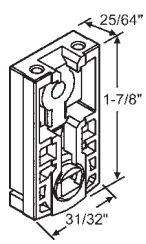
-14



62-528
Die Cast

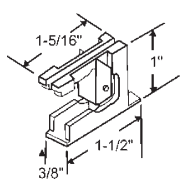
62-526
Sold and Attached Separately

-BC



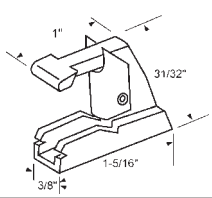
64T-506

-16



62-682
White

-17



62-684B
Black

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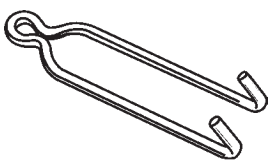
62A SERIES BALANCES FOR JAMBLINERS

Continued from previous page.

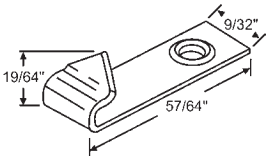
Length of Metal Channel	Number Stamped on Balance	Weight Range	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Weight Range	Our Part Number
23"	22 or 22R	10-18	**62A-22-**	38"	37 or 37R	15-24	**62A-37-**
23"	22HD	18-22	**62A-22HD-**	38"	37HD	24-29	**62A-37HD-**
23"	22TG or 22XHD or 22XH	22-30	**62A-22TG-**	38"	37TG or 37XHD or 37XH	29-38	**62A-37TG-**
24"	23L	6-10	**62A-23L-**	39"	38L	10-15	**62A-38L-**
24"	23 or 23R	10-18	**62A-23-**	39"	38 or 38R	15-24	**62A-38-**
24"	23HD	18-22	**62A-23HD-**	39"	38HD	24-29	**62A-38HD-**
24"	23TG or 23XHD or 23XH	22-30	**62A-23TG-**	39"	38TG or 38XHD or 38XH	29-38	**62A-38TG-**
25"	24L	6-10	**62A-24L-**	40"	39L	10-15	**62A-39L-**
25"	24 or 24R	10-18	**62A-24-**	40"	39 or 39R	15-25	**62A-39-**
25"	24HD	18-22	**62A-24HD-**	40"	39HD	25-30	**62A-39HD-**
25"	24TG or 24XHD or 24XH	22-30	**62A-24TG-**	40"	39TG or 38XHD or 39XH	30-38	**62A-39TG-**
26"	25L	6-10	**62A-25L-**	41"	40L	10-15	**62A-40L-**
26"	25 or 25R	10-20	**62A-25-**	41"	40 or 40R	15-25	**62A-40-**
26"	25TG or 25XHD or 25XH	24-30	**62A-25TG-**	41"	40HD	25-30	**62A-40HD-**
27"	26L	6-10	**62A-26L-**	41"	40TG or 40XHD or 40XH	30-38	**62A-40TG-**
27"	26 or 26R	10-19	**62A-26-**	42"	41L	10-15	**62A-41L-**
27"	26HD	19-24	**62A-26HD-**	42"	41 or 41R	15-25	**62-41-**
27"	26TG or 26XHD or 26XH	24-31	**62A-26TG-**	42"	41HD	25-30	**62A-41HD-**
28"	27L	6-10	**62A-27L-**	42"	41TG or 41XHD or 41XH	30-38	**62A-41TG-**
28"	27 or 27R	10-19	**62A-27-**	43"	42L	10-15	**62A-42L-**
28"	27HD	19-24	**62A-27HD-**	43"	42 or 42R	15-25	**62A-42-**
28"	27TG or 27XHD or 27XH	24-31	**62A-27TG-**	43"	42HD	25-30	**62A-42HD-**
29"	28L	10-15	**62A-28L-**	43"	42TG or 41XHD or 42XH	30-38	**62A-42TG-**
29"	28 or 28R	15-22	**62A-28-**	44"	43L	10-15	**62A-43L-**
29"	28HD	22-28	**62A-28HD-**	44"	43 or 43R	15-25	**62A-43-**
29"	28TG or 28XHD or 28XH	28-35	**62A-28TG-**	44"	43HD	25-30	**62A-43HD-**
30"	29L	10-15	**62A-29L-**	44"	43TG or 43XHD or 43XH	30-38	**62A-43TG-**
30"	29 or 29R	15-22	**62A-29-**	45"	44L	10-15	**62A-44L-**
30"	29HD	22-28	**62A-29HD-**	45"	44 or 44R	15-25	**62A-44-**
30"	29TG or 29XHD or 29XH	28-35	**62A-29TG-**	45"	44HD	25-30	**62A-44HD-**
31"	30L	10-15	**62A-30L-**	45"	44TG or 44XHD or 44XH	30-38	**62A-44TG-**
31"	30 or 30R	15-23	**62A-30-**	46"	45L	10-15	**62A-45L-**
31"	30HD	23-29	**62A-30HD-**	46"	45 or 45R	15-25	**62A-45-**
31"	30TG or 30XHD or 30XH	29-36	**62A-30TG-**	46"	45HD	25-30	**62A-45HD-**
32"	31L	10-15	**62A-31L-**	46"	45TG or 45XHD or 45XH	30-38	**62A-45TG-**
32"	31 or 31R	15-23	**62A-31-**	47"	46L	10-15	**62A-46L-**
32"	31HD	23-29	**62A-31HD-**	47"	46 or 46R	15-25	**62A-46-**
32"	31TG or 31XHD or 31XH	29-36	**62A-31TG-**	47"	46HD	25-30	**62A-46HD-**
33"	32L	10-15	**62A-32L-**	47"	46TG or 46XHD or 46XH	30-38	**62A-46TG-**
33"	32 or 32R	15-24	**62A-32-**	48"	47L	10-15	**62A-47L-**
33"	32HD	24-29	**62A-32HD-**	48"	47 or 47R	15-25	**62A-47-**
33"	32TG or 32XHD or 32XH	29-36	**62A-32TG-**	48"	47HD	25-30	**62A-47HD-**
34"	33L	10-15	**62A-33L-**	48"	47TG or 47XHD or 47XH	30-38	**62A-47TG-**
34"	33 or 33R	15-24	**62A-33-**	49"	48L	10-15	**62A-48L**
34"	33HD	24-29	**62A-33HD-**	49"	48 or 48R	15-25	**62A-48-**
34"	33TG or 33XHD or 33XH	29-36	**62A-33TG-**	49"	48HD	25-30	**62A-48HD-**
35"	34L	10-15	**62A-34L-**	49"	48TG or 48XHD or 48XH	30-38	**62A-48TG-**
35"	34 or 34R	15-24	**62A-34-**	50"	49L	10-15	**62A-49L-**
35"	34HD	24-29	**62A-34HD-**	50"	49 or 49R	15-25	**62A-49-**
35"	34TG or 34XHD or 34XH	29-36	**62A-34TG-**	50"	49HD	25-30	**62A-49HD-**
36"	35L	10-15	**62A-35L-**	50"	49TG or 49XHD or 49XH	30-38	**62A-49TG-**
36"	35 or 35R	15-24	**62A-35-**	51"	50L	10-15	**62A-50L-**
36"	35HD	24-29	**62A-35HD-**	51"	50 or 50R	15-25	**62A-50-**
36"	35TG or 35XHD or 35XH	29-36	**62A-35TG-**	51"	50HD	25-30	**62A-50HD-**
37"	36L	10-15	**62A-36L-**	51"	50TG or 50XHD or 50XH	30-38	**62A-50TG-**
37"	36 or 36R	15-24	**62A-36-**	52"	51L	10-15	**62A-51L-**
37"	36HD	24-29	**62A-36HD-**	52"	51 or 51R	15-25	**62A-51-**
37"	36TG or 36XHD or 36XH	29-38	**62A-36TG-**	52"	51HD	25-30	**62A-51HD-**
38"	37L	10-15	**62A-37L-**	52"	51TG or 51XHD or 51XH	30-38	**62A-51TG-**

62 SERIES CHANNEL BALANCES ACCESSORIES

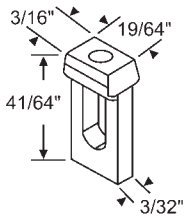
BALANCE ATTACHMENTS



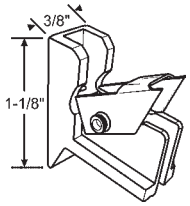
62-504



Part #	Description
60-518	1/32" Thick
60-518HD	3/64" Thick

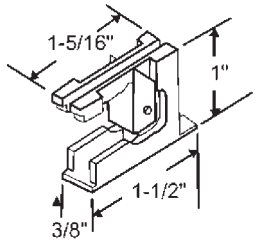


900-18354
Die Cast

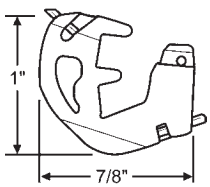


Part #	Color
62-502	White
62-511	Black

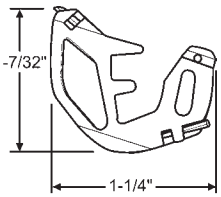
Locking Terminals
Plastic with Metal Lock



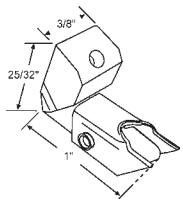
62-682
White. Locking Terminals
Plastic with Metal Lock



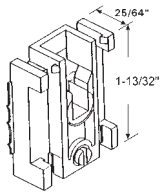
62-543
Wedge Locking Shoe
Only Available Attached to Balance



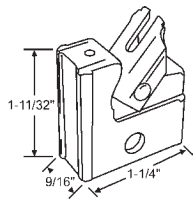
62-539
Channel Balance Wedge



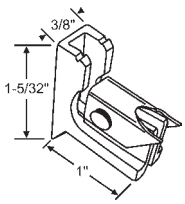
62-503
Locking Terminals
Plastic with Metal Lock



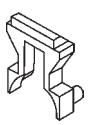
62-530
No Longer Available.
Use 64T-506



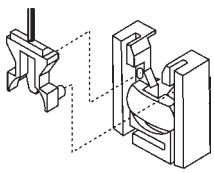
62-531
Zinc Die Cast
Magnum Locking Terminal
WEATHERSHIELD



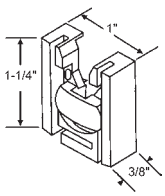
62-502SP
Locking Terminal Assembly
White



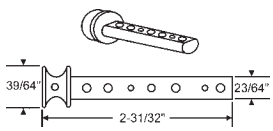
62-528
Die Cast



Tie Bar Guide

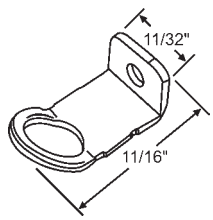


62-526



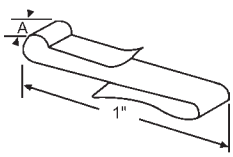
Part #	Color
62-520	White
62-521	Black

Plastic



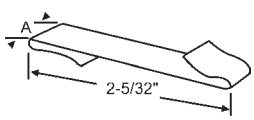
62-706
Steel
INTEK

"S" CLIPS



Part #	"A"
62-517	1/4"
62-517HD	3/8"

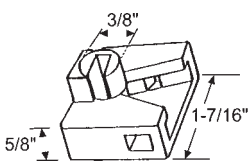
Short "S" Clip



Part #	"A"
62-518	1/4"
62-518HD	3/8"

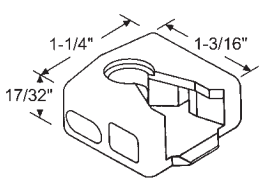
Long "S" Clip

TERMINAL HOUSINGS

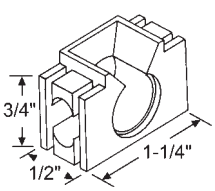


Part #	Hand	Use With
62-532	Shown	15/16" Cam
62-533	Opposite	15/16" Cam
62-535	Shown	5/8" Cam
62-534	Opposite	5/8" Cam

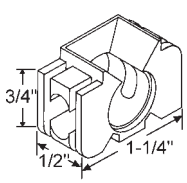
Housing Assembly.
Includes Cam and Shoe
GRAHAM



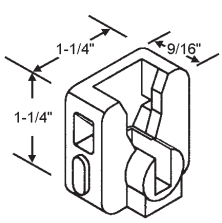
62-512
9/16" Dia. Hole
GRAHAM



62-505

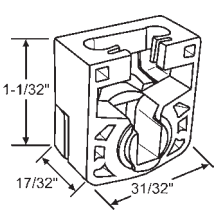


Part #	Hand
62-507	Shown
62-506	Opposite

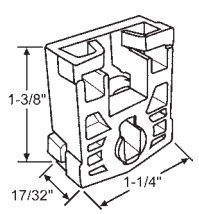


900-9312A

GRAHAM



62-834
Front to Back 1"
SUPER SEAL

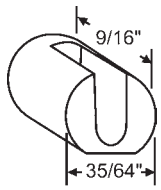


62-831
White Puck
THERMAL INDUSTRIES

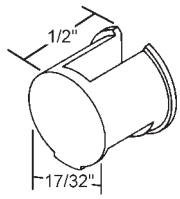
AZA SALES
TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

62 SERIES CHANNEL BALANCES ACCESSORIES

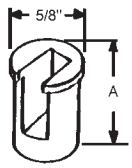
LOCKING CAMS



62-509
Die Cast

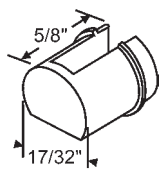


62-513
Die Cast

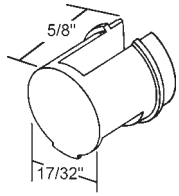


Part #	A
900-9447	15/16"
900-9447M	5/8"

Die Cast
GRAHAM

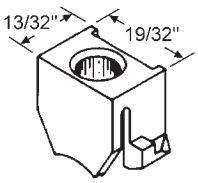


62-516
Die Cast

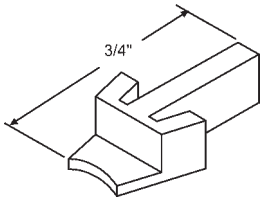


62-514
Die Cast

PIVOT RETAINERS

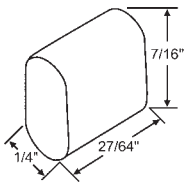


62-519
Die Cast

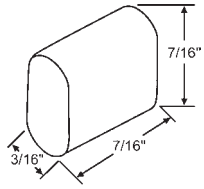


62-660
Non Take Out Retainer

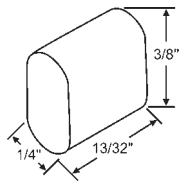
BRAKE SHOES



62-510
White

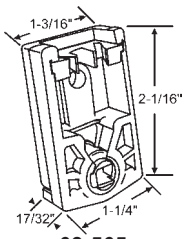


900-9310
Used with 62-532, 533, 534 & 535
GRAHAM

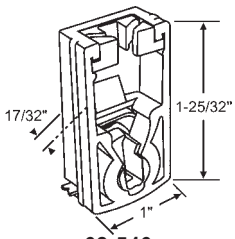


62-614
Black

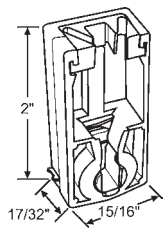
PIVOT LOCK SHOES



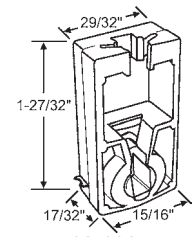
62-565



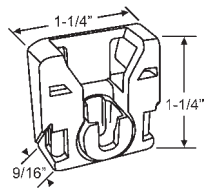
62-546



62-698OS
Metal Cam. Old Style

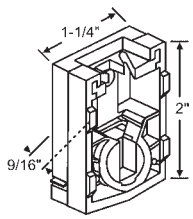


62-698

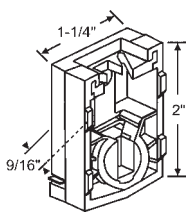


62-595
Pivot Lock Shoe with Slate Blue Puck

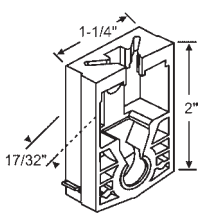
OMEGA PIVOT LOCK SHOE



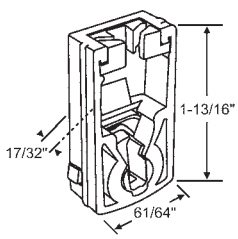
62-695
1.250" X .575" Metal .030" Spring Zinc Plate



62-679
1.250" X .575" Metal Spring Zinc Plate

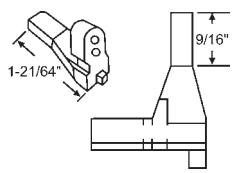


62-693
1.250" X .530" Metal Spring Molded Plate



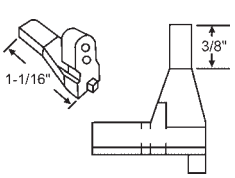
62-568
Molded Spring. Zinc Plate
GREAT LAKES

TILT STUDS



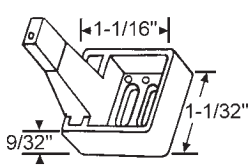
Part #	Hand
62-612	Shown
62-611	Opposite

Above item has Left/Right marked on part. Die Cast

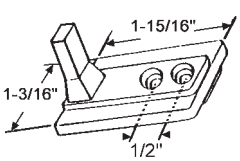


Part #	Hand
62-616	Shown
62-617	Opposite

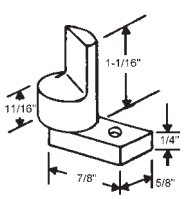
Above item has Left/Right marked on part. Die Cast



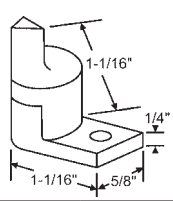
Part #	Hand
62-620	Shown
62-621	Opposite



900-9443
Zinc



62-622A
Plastic Set
REPCO

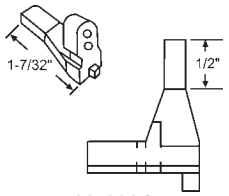


Part #	Hand
62-625	Shown
62-626	Opposite

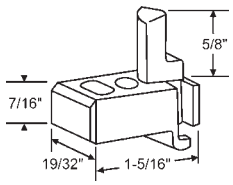
REPCO

62 SERIES CHANNEL BALANCES ACCESSORIES

TILT STUDS

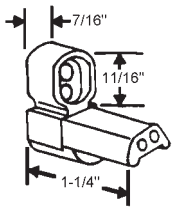


62-603A
LH & RH Set (LH Shown). Above item has Left/Right marked on part. Die Cast

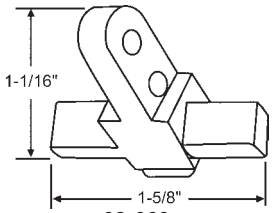


Part #	Hand
62-600	Shown
62-601	Opposite

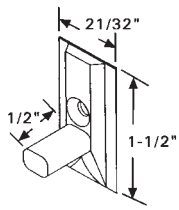
Plastic



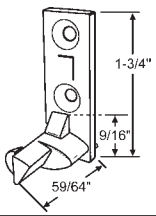
62-602
Plastic



62-663
Tilt Stud Dual Arm
Die Cast



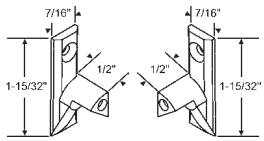
62-652
Die Cast
Square Plough



Part #	Hand
62-840LH	Shown
62-840RH	Opposite

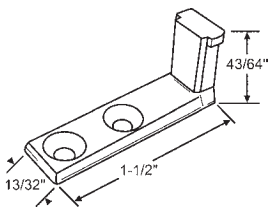
Zinc Die Cast
WEATHER SHIELD/VISIONS 2000

CAM PIVOTS

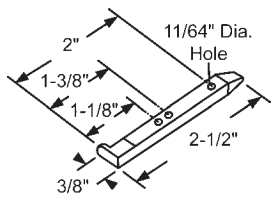


Part #	Hand	Description
62-649LW	LH	Natural Plastic
62-649RB	RH	Black Plastic
62-650RH	RH	Zinc
62-650LH	LH	Zinc

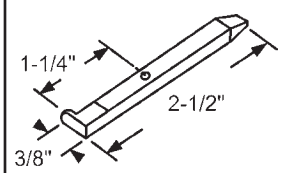
PIVOT BARS



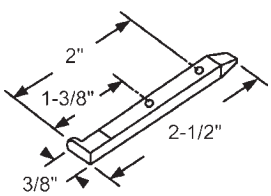
62-50078
Zinc Die Cast



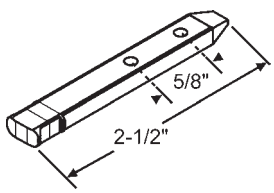
62-540F
Die Cast



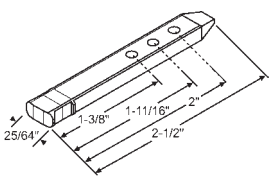
62-540
Non-Pull-Out. Die Cast



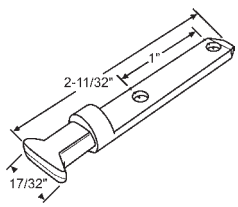
62-540A
Die Cast



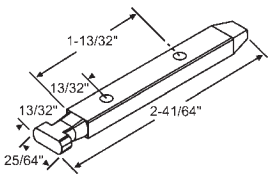
62-550
T-Head Pivot Bar Zinc



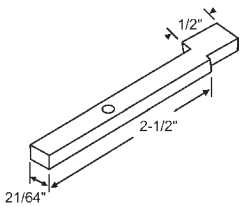
62-552
Zinc T-Pivot with Collar



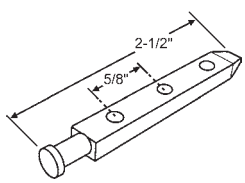
62-833
Die Cast
REPUBLIC



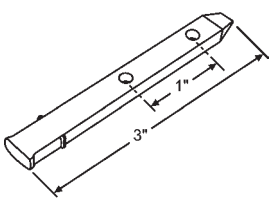
62-828
T-Head Pivot Bar
SIMONTON



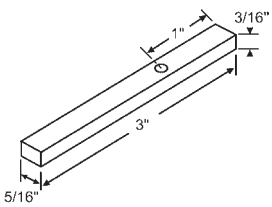
62-624
Die Cast



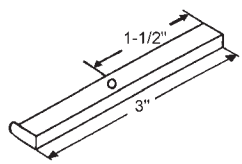
62-541
Zinc



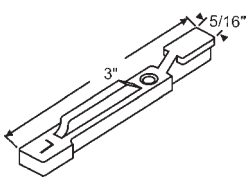
62-556
Zinc Die Cast
GTS



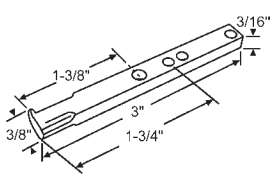
Part #	Description
900-14396	No Thread, Die Cast
900-13506	With Thread, Stainless Steel



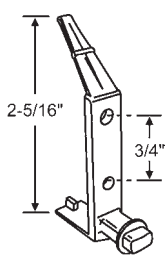
62-667
Zinc Die Cast



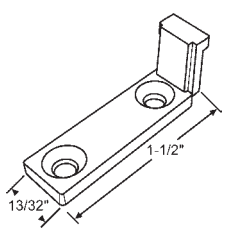
62-618A
Pivot Bar Set. 1 RH / 1 LH
LH Shown
ATRIUM/KINCO



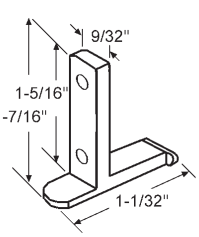
62-545



62-711
Pivot Bar Die cast
HARVEY



62-832
SCHERER



900-21862A
LH (shown). Sold in Sets Only
Die Cast

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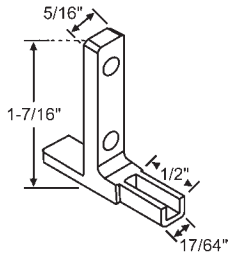
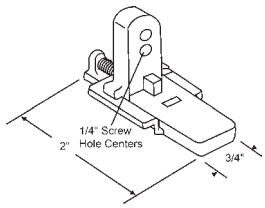
62 SERIES CHANNEL BALANCES ACCESSORIES

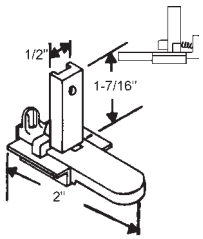
SASH RETAINERS



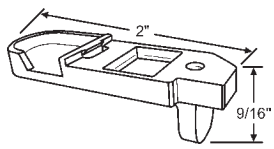
900-22082
Zinc. Die Cast
REHAU



62-610
Black
Used with 62-602 and 62-501
NORANDEX

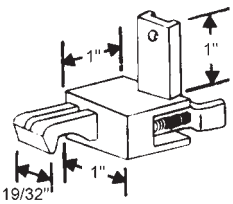


No Longer Available



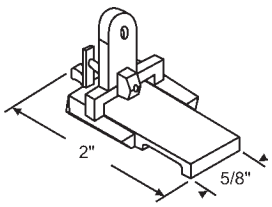
Part #	Hand
62-639	Shown
62-640	Opposite

Nylon Slide Only
For 62-636 & 62-637.



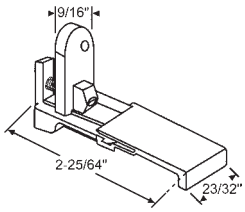
Part #	Hand
62-607	Shown
62-606	Opposite

HOWMET



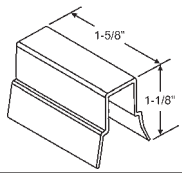
Part #	Hand
62-644	Shown
62-645	Opposite

Clear Plastic



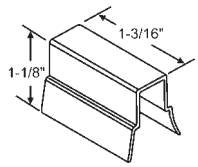
No Longer Available

SASH STOPS

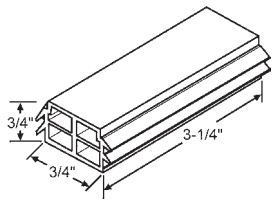


Part #	Color
62-702	White
62-702BG	Beige

Vinyl

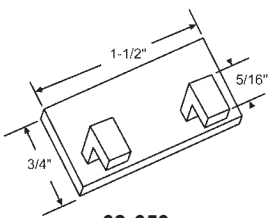


Part #	Color
62-701BG	Beige
62-701	White



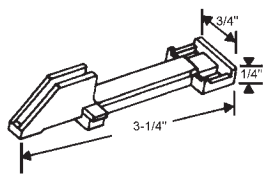
900-19369
Black Rubber Sash Stop

DUST CAP



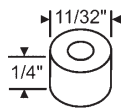
62-659
GRAHAM

SASH LOCK

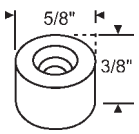


62-633
Lower
Nylon

BUSHINGS

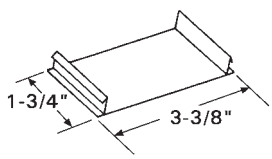


62-613
KELLER

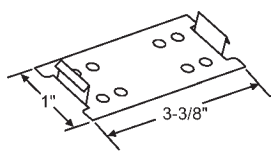


62-658
Metal
Mill Finish

INSTALLATION BRACKETS

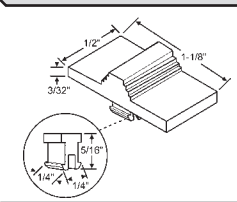


86-21
Vinyl Release

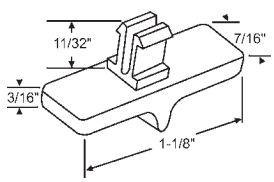


86-22
Metal

RELEASE LEVER

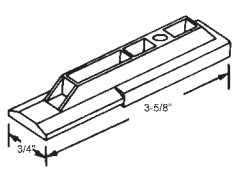


Part #	Color
62-643BR	Brown
62-643BG	Beige
62-643	White
62-643BL	Black



Part #	Finish
62-635	Natural
62-635B	Black

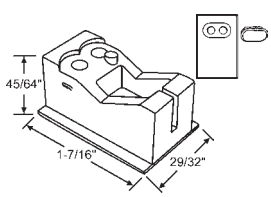
GUIDE



900-11376

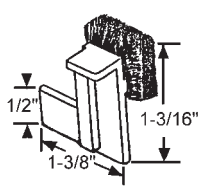
GRAHAM

BALANCE STOP



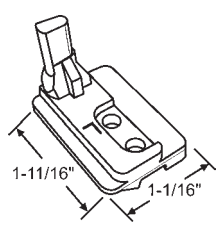
62-708W
White Balance Stop
62-709W
White Screw Cover

INTERLOCKING PLUNGER

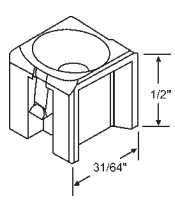


62-641BA
Black
Sold in Sets Only, RH Shown
AIRMASTER

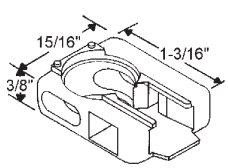
64T SERIES TILT CHANNEL BALANCES ACCESSORIES



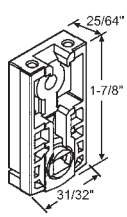
900-20924A
Pivot Assy. Set (LH Shown & Opposite)



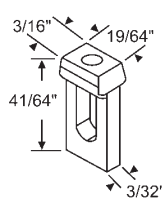
62-689
Mounting Screw Support



64T-500
Terminal Housing

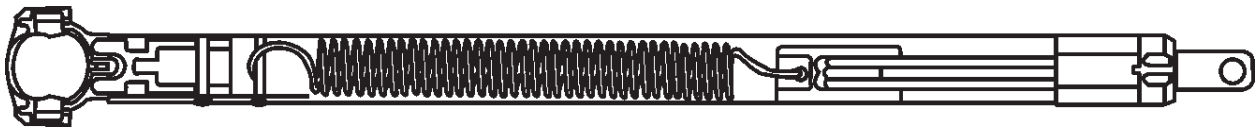


64T-506
Tie-On Balance Shoe



900-18354

62-716 SERIES 1/2" X 1/2" INVERTED TILT CHANNEL BALANCES



Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number
10"	10A	1-6 LBS.	**62-716-10A-**	**22"**	22D	21-24 LBS.	**62-716-22D-**	**30"**	30E	29-33 LBS.	**62-716-30E-**	**38"**	38B	16-22 LBS.	**62-716-38B-**
10"	10B	6-10 LBS.	**62-716-10B-**	**22"**	22E	24-27 LBS.	**62-716-22E-**	**30"**	30F	33-37 LBS.	**62-716-30F-**	**38"**	38C	22-27 LBS.	**62-716-38C-**
10"	10C	10-13 LBS.	**62-716-10C-**	**22"**	22F	27-30 LBS.	**62-716-22F-**	**30"**	30G	37-40 LBS.	**62-716-30G-**	**38"**	38D	27-32 LBS.	**62-716-38D-**
11"	11A	3-7 LBS.	**62-716-11A-**	**22"**	22G	30-34 LBS.	**62-716-22G-**	**30"**	30H	40-43 LBS.	**62-716-30H-**	**38"**	38E	32-34 LBS.	**62-716-38E-**
11"	11B	7-10 LBS.	**62-716-11B-**	**22"**	22H	34-37 LBS.	**62-716-22H-**	**31"**	31A	8-13 LBS.	**62-716-31A-**	**38"**	38F	34-37 LBS.	**62-716-38F-**
11"	11C	10-16 LBS.	**62-716-11C-**	**23"**	23A	5-10 LBS.	**62-716-23A-**	**31"**	31B	13-19 LBS.	**62-716-31B-**	**38"**	38G	37-40 LBS.	**62-716-38G-**
12"	12A	3-7 LBS.	**62-716-12A-**	**23"**	23B	10-16 LBS.	**62-716-23B-**	**31"**	31C	19-24 LBS.	**62-716-31C-**	**38"**	38H	40-43 LBS.	**62-716-38H-**
12"	12B	7-10 LBS.	**62-716-12B-**	**23"**	23C	16-21 LBS.	**62-716-23C-**	**31"**	31D	24-29 LBS.	**62-716-31D-**	**38"**	38I	43-45 LBS.	**62-716-38I-**
12"	12C	10-16 LBS.	**62-716-12C-**	**23"**	23D	21-24 LBS.	**62-716-23D-**	**31"**	31E	29-33 LBS.	**62-716-31E-**	**39"**	39A	11-16 LBS.	**62-716-39A-**
12"	12D	16-18 LBS.	**62-716-12D-**	**23"**	23E	24-27 LBS.	**62-716-23E-**	**31"**	31F	33-37 LBS.	**62-716-31F-**	**39"**	39B	16-22 LBS.	**62-716-39B-**
13"	13A	3-7 LBS.	**62-716-13A-**	**23"**	23F	27-30 LBS.	**62-716-23F-**	**31"**	31G	37-40 LBS.	**62-716-31G-**	**39"**	39C	22-27 LBS.	**62-716-39C-**
13"	13B	7-10 LBS.	**62-716-13B-**	**23"**	23G	30-34 LBS.	**62-716-23G-**	**31"**	31H	40-43 LBS.	**62-716-31H-**	**39"**	39D	27-32 LBS.	**62-716-39D-**
13"	13C	10-16 LBS.	**62-716-13C-**	**23"**	23H	34-37 LBS.	**62-716-23H-**	**32"**	32A	8-14 LBS.	**62-716-32A-**	**39"**	39E	32-34 LBS.	**62-716-39E-**
13"	13D	16-18 LBS.	**62-716-13D-**	**24"**	24A	6-11 LBS.	**62-716-24A-**	**32"**	32B	14-20 LBS.	**62-716-32B-**	**39"**	39F	34-37 LBS.	**62-716-39F-**
14"	14A	3-7 LBS.	**62-716-14A-**	**24"**	24B	11-17 LBS.	**62-716-24B-**	**32"**	32C	20-25 LBS.	**62-716-32C-**	**39"**	39G	37-40 LBS.	**62-716-39G-**
14"	14B	7-10 LBS.	**62-716-14B-**	**24"**	24C	17-22 LBS.	**62-716-24C-**	**32"**	32D	25-30 LBS.	**62-716-32D-**	**39"**	39H	40-43 LBS.	**62-716-39H-**
14"	14C	10-16 LBS.	**62-716-14C-**	**24"**	24D	22-25 LBS.	**62-716-24D-**	**32"**	32E	30-34 LBS.	**62-716-32E-**	**39"**	39I	43-45 LBS.	**62-716-39I-**
14"	14D	16-19 LBS.	**62-716-14D-**	**24"**	24E	25-28 LBS.	**62-716-24E-**	**32"**	32F	34-37 LBS.	**62-716-32F-**	**40"**	40A	11-16 LBS.	**62-716-40A-**
15"	15A	3-7 LBS.	**62-716-15A-**	**24"**	24F	28-30 LBS.	**62-716-24F-**	**32"**	32G	37-40 LBS.	**62-716-32G-**	**40"**	40B	16-22 LBS.	**62-716-40B-**
15"	15B	7-10 LBS.	**62-716-15B-**	**24"**	24G	30-34 LBS.	**62-716-24G-**	**32"**	32H	40-43 LBS.	**62-716-32H-**	**40"**	40C	22-27 LBS.	**62-716-40C-**
15"	15C	10-16 LBS.	**62-716-15C-**	**24"**	24H	34-37 LBS.	**62-716-24H-**	**33"**	33A	8-14 LBS.	**62-716-33A-**	**40"**	40D	27-32 LBS.	**62-716-40D-**
15"	15D	16-19 LBS.	**62-716-15D-**	**25"**	25A	6-11 LBS.	**62-716-25A-**	**33"**	33B	14-20 LBS.	**62-716-33B-**	**40"**	40E	32-34 LBS.	**62-716-40E-**
16"	16A	3-7 LBS.	**62-716-16A-**	**25"**	25B	11-17 LBS.	**62-716-25B-**	**33"**	33C	20-25 LBS.	**62-716-33C-**	**40"**	40F	34-37 LBS.	**62-716-40F-**
16"	16B	7-10 LBS.	**62-716-16B-**	**25"**	25C	17-22 LBS.	**62-716-25C-**	**33"**	33D	25-30 LBS.	**62-716-33D-**	**40"**	40G	37-40 LBS.	**62-716-40G-**
16"	16C	10-16 LBS.	**62-716-16C-**	**25"**	25D	22-25 LBS.	**62-716-25D-**	**33"**	33E	30-34 LBS.	**62-716-33E-**	**40"**	40H	40-43 LBS.	**62-716-40H-**
16"	16D	16-19 LBS.	**62-716-16D-**	**25"**	25E	25-28 LBS.	**62-716-25E-**	**33"**	33F	34-37 LBS.	**62-716-33F-**	**40"**	40I	43-45 LBS.	**62-716-40I-**
16"	16E	19-22 LBS.	**62-716-16E-**	**25"**	25F	28-30 LBS.	**62-716-25F-**	**33"**	33G	37-40 LBS.	**62-716-33G-**	**41"**	41A	11-16 LBS.	**62-716-41A-**
17"	17A	3-7 LBS.	**62-716-17A-**	**25"**	25G	30-34 LBS.	**62-716-25G-**	**33"**	33H	40-43 LBS.	**62-716-33H-**	**41"**	41B	16-22 LBS.	**62-716-41B-**
17"	17B	7-10 LBS.	**62-716-17B-**	**25"**	25H	34-37 LBS.	**62-716-25H-**	**34"**	34A	11-16 LBS.	**62-716-34A-**	**41"**	41C	22-27 LBS.	**62-716-41C-**
17"	17C	10-16 LBS.	**62-716-17C-**	**26"**	26A	6-11 LBS.	**62-716-26A-**	**34"**	34B	16-22 LBS.	**62-716-34B-**	**41"**	41D	27-32 LBS.	**62-716-41D-**
17"	17D	16-19 LBS.	**62-716-17D-**	**26"**	26B	11-17 LBS.	**62-716-26B-**	**34"**	34C	22-27 LBS.	**62-716-34C-**	**41"**	41E	32-34 LBS.	**62-716-41E-**
17"	17E	19-22 LBS.	**62-716-17E-**	**26"**	26C	17-22 LBS.	**62-716-26C-**	**34"**	34D	27-32 LBS.	**62-716-34D-**	**41"**	41F	34-37 LBS.	**62-716-41F-**
17"	17F	22-24 LBS.	**62-716-17F-**	**26"**	26D	22-26 LBS.	**62-716-26D-**	**34"**	34E	32-34 LBS.	**62-716-34E-**	**41"**	41G	37-40 LBS.	**62-716-41G-**
17"	17G	24-28 LBS.	**62-716-17G-**	**26"**	26E	26-30 LBS.	**62-716-26E-**	**34"**	34F	34-37 LBS.	**62-716-34F-**	**41"**	41H	40-43 LBS.	**62-716-41H-**
18"	18A	4-9 LBS.	**62-716-18A-**	**26"**	26F	30-34 LBS.	**62-716-26F-**	**34"**	34G	37-40 LBS.	**62-716-34G-**	**41"**	41I	43-45 LBS.	**62-716-41I-**
18"	18B	9-13 LBS.	**62-716-18B-**	**26"**	26G	34-38 LBS.	**62-716-26G-**	**34"**	34H	40-43 LBS.	**62-716-34H-**	**42"**	42A	11-16 LBS.	**62-716-42A-**
18"	18C	13-18 LBS.	**62-716-18C-**	**26"**	26H	38-42 LBS.	**62-716-26H-**	**34"**	34I	43-45 LBS.	**62-716-34I-**	**42"**	42B	16-22 LBS.	**62-716-42B-**
18"	18D	18-21 LBS.	**62-716-18D-**	**27"**	27A	6-11 LBS.	**62-716-27A-**	**35"**	35A	11-16 LBS.	**62-716-35A-**	**42"**	42C	22-27 LBS.	**62-716-24C-**
18"	18E	21-24 LBS.	**62-716-18E-**	**27"**	27B	11-17 LBS.	**62-716-27B-**	**35"**	35B	16-22 LBS.	**62-716-35B-**	**42"**	42D	27-32 LBS.	**62-716-24D-**
18"	18F	24-26 LBS.	**62-716-18F-**	**27"**	27C	17-22 LBS.	**62-716-27C-**	**35"**	35C	22-27 LBS.	**62-716-35C-**	**42"**	42E	32-34 LBS.	**62-716-42E-**
18"	18G	26-29 LBS.	**62-716-18G-**	**27"**	27D	22-26 LBS.	**62-716-27D-**	**35"**	35D	27-32 LBS.	**62-716-35D-**	**42"**	42F	34-37 LBS.	**62-716-42F-**
19"	19A	4-9 LBS.	**62-716-19A-**	**27"**	27E	26-30 LBS.	**62-716-27E-**	**35"**	35E	32-34 LBS.	**62-716-35E-**	**42"**	42G	37-40 LBS.	**62-716-42G-**
19"	19B	9-13 LBS.	**62-716-19B-**	**27"**	27F	30-34 LBS.	**62-716-27F-**	**35"**	35F	34-37 LBS.	**62-716-35F-**	**42"**	42H	40-43 LBS.	**62-716-42H-**
19"	19C	13-18 LBS.	**62-716-19C-**	**27"**	27G	34-38 LBS.	**62-716-27G-**	**35"**	35G	37-40 LBS.	**62-716-35G-**	**42"**	42I	43-45 LBS.	**62-716-42I-**
19"	19D	18-21 LBS.	**62-716-19D-**	**27"**	27H	38-42 LBS.	**62-716-27H-**	**35"**	35H	40-43 LBS.	**62-716-35H-**	**43"**	43A	11-16 LBS.	**62-716-43A-**
19"	19E	21-24 LBS.	**62-716-19E-**	**28"**	28A	7-12 LBS.	**62-716-28A-**	**35"**	35I	43-45 LBS.	**62-716-35I-**	**43"**	43B	16-22 LBS.	**62-716-43B-**
19"	19F	24-26 LBS.	**62-716-19F-**	**28"**	28B	12-18 LBS.	**62-716-28B-**	**36"**	36A	11-16 LBS.	**62-716-36A-**	**43"**	43C	22-27 LBS.	**62-716-43C-**
19"	19G	26-29 LBS.	**62-716-19G-**	**28"**	28C	18-23 LBS.	**62-716-28C-**	**36"**	36B	16-22 LBS.	**62-716-36B-**	**43"**	43D	27-32 LBS.	**62-716-43D-**
20"	20A	5-10 LBS.	**62-716-20A-**	**28"**	28D	23-28 LBS.	**62-716-28D-**	**36"**	36C	22-27 LBS.	**62-716-36C-**	**43"**	43E	32-34 LBS.	**62-716-43E-**
20"	20B	10-14 LBS.	**62-716-20B-**	**28"**	28E	28-32 LBS.	**62-716-28E-**	**36"**	36D	27-32 LBS.	**62-716-36D-**	**43"**	43F	34-37 LBS.	**62-716-43F-**
20"	20C	14-18 LBS.	**62-716-20C-**	**28"**	28F	32-36 LBS.	**62-716-28F-**	**36"**	36E	32-34 LBS.	**62-716-36E-**	**43"**	43G	37-40 LBS.	**62-716-43G-**
20"	20D	18-22 LBS.	**62-716-20D-**	**28"**	28G	36-40 LBS.	**62-716-28G-**	**36"**	36F	34-37 LBS.	**62-716-36F-**	**43"**	43H	40-43 LBS.	**62-716-43H-**
20"	20E	22-26 LBS.	**62-716-20E-**	**28"**	28H	40-43 LBS.	**62-716-28H-**	**36"**	36G	37-40 LBS.	**62-716-36G-**	**43"**	43I	43-45 LBS.	**62-716-43I-**
20"	20F	26-30 LBS.	**62-716-20F-**	**29"**	29A	7-12 LBS.	**62-716-29A-**	**36"**	36H	40-43 LBS.	**62-716-36H-**	**44"**	44A	11-16 LBS.	**62-716-44A-**
20"	20G	30-34 LBS.	**62-716-20G-**	**29"**	29B	12-18 LBS.	**62-716-29B-**	**36"**	36I	43-45 LBS.	**62-716-36I-**	**44"**	44B	16-22 LBS.	**62-716-44B-**
21"	21A	5-10 LBS.	**62-716-21A-**	**29"**	29C	18-23 LBS.	**62-716-29C-**	**37"**	37A	11-16 LBS.	**62-716-37A-**	**44"**	44C	22-27 LBS.	**62-716-44C-**
21"	21B	10-14 LBS.	**62-716-21B-**	**29"**	29D	23-28 LBS.	**62-716-29D-**	**37"**	37B	16-22 LBS.	**62-716-37B-**	**44"**	44D	27-32 LBS.	**62-716-44D-**
21"	21C	14-18 LBS.	**62-716-21C-**	**29"**	29E	28-32 LBS.	**62-716-29E-**	**37"**	37C	22-27 LBS.	**62-716-37C-**	**44"**	44E	32-34 LBS.	**62-716-44E-**
21"	21D	18-22 LBS.	**62-716-21D-**	**29"**	29F	32-36 LBS.	**62-716-29F-**	**37"**	37D	27-32 LBS.	**62-716-37D-**	**44"**	44F	34-37 LBS.	**62-716-44F-**
21"	21E	22-26 LBS.	**62-716-21E-**	**29"**	29G	36-40 LBS.	**62-716-29G-**	**37"**	37E	32-34 LBS.	**62-716-37E-**	**44"**	44G	37-40 LBS.	**62-716-44G-**
21"	21F	26-30 LBS.	**62-716-21F-**	**29"**	29H	40-43 LBS.	**62-716-29H-**	**37"**	37F	34-37 LBS.	**62-716-37F-**	**44"**	44H	40-43 LBS.	**62-716-44H-**
21"	21G	30-34 LBS.	**62-716-21G-**	**30"**	30A	8-13 LBS.	**62-716-30A-**	**37"**	37G	37-40 LBS.	**62-716-37G-**	**44"**	44I	43-45 LBS.	**62-716-44I-**
22"	22A	5-10 LBS.	**62-716-22A-**	**30"**	30B	13-19 LBS.	**62-716-30B-**	**37"**	37H	40-43 LBS.	**62-716-37H-**				
22"	22B	10-16 LBS.	**62-716-22B-**	**30"**	30C	19-24 LBS.	**62-716-30C-**	**37"**	37I	43-45 LBS.	**62-716-37I-**				
22"	22C	16-21 LBS.	**62-716-22C-**	**30"**	30D	24-29 LBS.	**62-716-30D-**	**38"**	38A	11-16 LBS.	**62-716-38A-**				

See Next Page for Ordering Instructions

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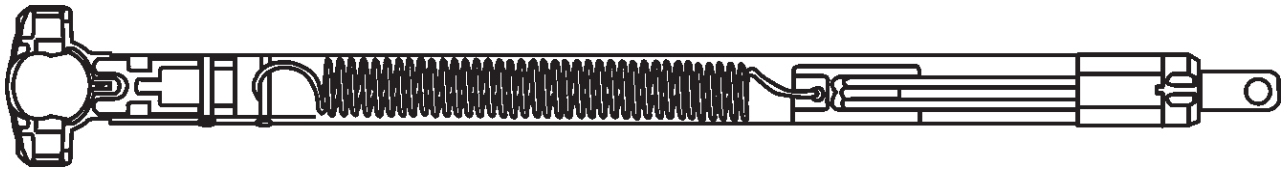
62-766 SERIES 1/2" X 1/2" INVERTED TILT CHANNEL BALANCE



For Windows 36" or Less				For Windows Wider than 36"			
Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number
9"	900	3-10 LBS.	62-766-900-	9"	901	10-11 LBS.	62-766-901-
10"	1000	3-10 LBS.	62-766-1000-	10"	1001	10-11 LBS.	62-766-1001-
11"	1100	3-10 LBS.	62-766-1100-	11"	1101	10-11 LBS.	62-766-1101-
12"	1200	3-11 LBS.	62-766-1200-	12"	1201	11-13 LBS.	62-766-1201-
13"	1300	3-11 LBS.	62-766-1300-	13"	1301	11-13 LBS.	62-766-1301-
14"	1400	4-12 LBS.	62-766-1400-	14"	1401	12-15 LBS.	62-766-1401-
15"	1500	4-12 LBS.	62-766-1500-	15"	1501	12-15 LBS.	62-766-1501-
16"	1600	4-13 LBS.	62-766-1600-	16"	1601	13-16 LBS.	62-766-1601-
17"	1700	4-13 LBS.	62-766-1700-	17"	1701	13-16 LBS.	62-766-1701-
18"	1800	5-14 LBS.	62-766-1800-	18"	1801	14-18 LBS.	62-766-1801-
19"	1900	5-14 LBS.	62-766-1900-	19"	1901	14-18 LBS.	62-766-1901-
20"	2000	5-16 LBS.	62-766-2000-	20"	2001	16-19 LBS.	62-766-2001-
21"	2100	5-16 LBS.	62-766-2100-	21"	2101	16-19 LBS.	62-766-2101-
22"	2200	6-17 LBS.	62-766-2200-	22"	2201	17-21 LBS.	62-766-2201-
23"	2300	6-17 LBS.	62-766-2300-	23"	2301	17-21 LBS.	62-766-2301-
24"	2400	6-18 LBS.	62-766-2400-	24"	2401	18-23 LBS.	62-766-2401-
25"	2500	6-18 LBS.	62-766-2500-	25"	2501	18-23 LBS.	62-766-2501-
26"	2600	7-19 LBS.	62-766-2600-	26"	2601	19-24 LBS.	62-766-2601-
27"	2700	7-19 LBS.	62-766-2700-	27"	2701	19-24 LBS.	62-766-2701-
28"	2800	7-21 LBS.	62-766-2800-	28"	2801	21-26 LBS.	62-766-2801-
29"	2900	7-21 LBS.	62-766-2900-	29"	2901	21-26 LBS.	62-766-2901-
30"	3000	8-22 LBS.	62-766-3000-	30"	3001	22-28 LBS.	62-766-3001-
31"	3100	8-22 LBS.	62-766-3100-	31"	3101	22-28 LBS.	62-766-3101-
32"	3200	8-23 LBS.	62-766-3200-	32"	3201	23-29 LBS.	62-766-3201-
33"	3300	8-23 LBS.	62-766-3300-	33"	3301	23-29 LBS.	62-766-3301-
34"	3400	9-24 LBS.	62-766-3400-	34"	3401	24-31 LBS.	62-766-3401-
35"	3500	9-24 LBS.	62-766-3500-	35"	3501	24-31 LBS.	62-766-3501-
36"	3600	9-24 LBS.	62-766-3600-	36"	3601	25-32 LBS.	62-766-3601-
37"	3700	9-24 LBS.	62-766-3700-	37"	3701	25-32 LBS.	62-766-3701-
38"	3800	10-27 LBS.	62-766-3800-	38"	3801	27-33 LBS.	62-766-3801-
39"	3900	10-27 LBS.	62-766-3900-	39"	3901	27-33 LBS.	62-766-3901-
40"	4000	10-28 LBS.	62-766-4000-	40"	4001	28-34 LBS.	62-766-4001-
41"	4100	10-28 LBS.	62-766-4100-	41"	4101	28-34 LBS.	62-766-4101-
42"	4200	10-28 LBS.	62-766-4200-	42"	4201	28-34 LBS.	62-766-4201-
43"	4300	10-28 LBS.	62-766-4300-	43"	4301	28-34 LBS.	62-766-4301-
44"	4400	10-28 LBS.	62-766-4400-	44"	4401	28-34 LBS.	62-766-4401-

ORDERING INSTRUCTIONS FOR 62-716 & 62-766

Ordering Information

1) Measure metal channel length (Do not include any attached ends.)
2) Check number stamped on channel: e.g., 23C, 29A etc.
3) Select our corresponding part number from chart on previous page or above.
4) Select clip from list on next page and add suffix to end of part number.
5) Select the appropriate "T" lock option from next page and add suffix to end of part number.

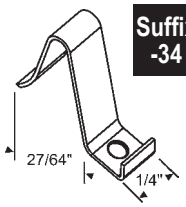
Example Ordering Chart

Channel Length	Number Stamped on Balance	Our Part Number	Clip Attached	Tilt Shoe Attached	Complete Part Number
28"	28A	62-716-28A-	60-950	62-50007	**62-716-28A-34C**

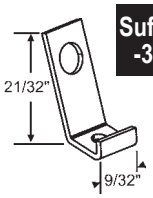
These balances are special order
Contact Your Account Manager For Delivery Schedules

62-716 & 62-766 SERIES BALANCES ACCESSORIES

CLIPS

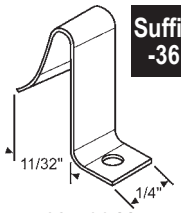


60-950
Form Fit Hanger
Use with Traditional Pulley

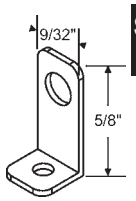


60-937
Form Fit Screw-in
Use with Traditional Pulley

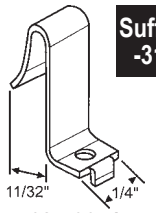
60-952
No Longer Available
Use 60-951



62-50041
Hanger
Use with Reverse Lace

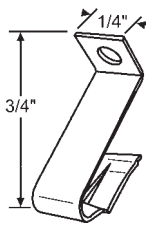


60-951
Screw-in
Use with Reverse Lace

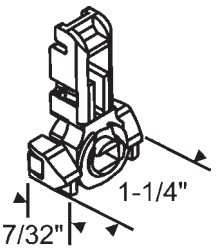


62-50051
Hanger
Use with Reverse Lace

TILT SHOES

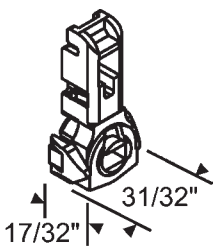


60-965
Not Sold Separately
REPUBLIC



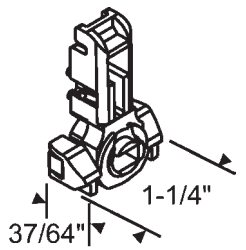
Part #	Puck Color	Cam	Suffix
62-50000	Red	Open	F
62-50001	Red	Closed	G
62-50002	White	Open	H
62-50003	White	Closed	D
62-50004	Black	Closed	I
62-50005	Blue	Closed	B
62-50015	Black	Open	J

T-Lock/Molded Spring
Stamped Pivot



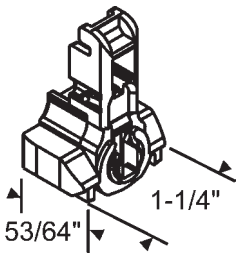
Part #	Puck Color	Cam	Suffix
62-50006	Green	Closed	A
62-50007	Green	Open	C

T-Lock



Part #	Puck Color	Cam	Suffix
62-50008	White	Closed	K

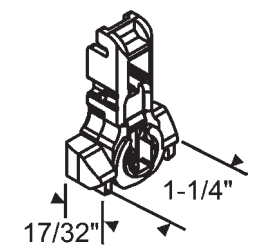
T-Lock



Part #	Puck Color	Cam	Suffix
62-50012	Tan	Open	P

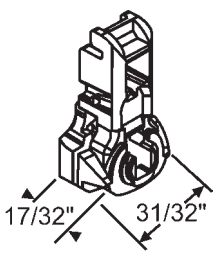
Front-to-Back T-Lock
Twin Cam

PIVOT SHOE



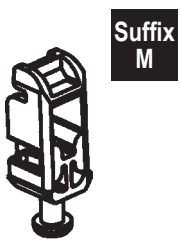
Part #	Puck Color	Cam	Suffix
62-50011	Tan	Open	N

Front-to-Back T-Lock

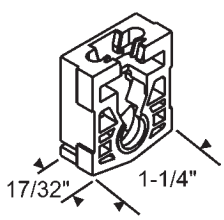


Part #	Puck Color	Cam	Suffix
62-50033	Black	Open	W

Front-to-Back T-Lock

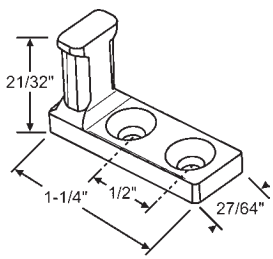


62-50013
Inverted Link
Used with 62-50014

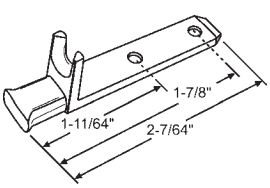


62-50014
Sold Separately

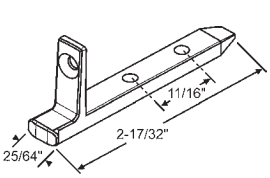
PIVOT BARS



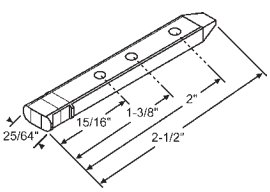
62-824



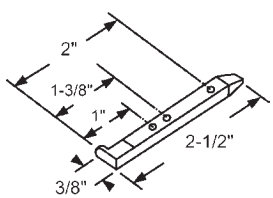
62-825



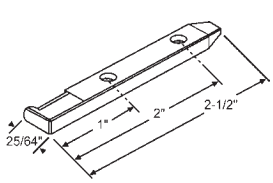
62-50046



62-826



62-540D
No Longer Available
Use 62-540K



62-540K

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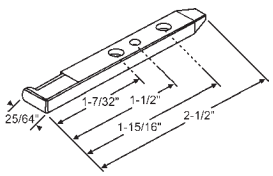
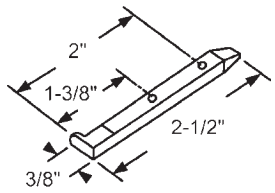
62-716 & 62-766 SERIES BALANCES ACCESSORIES

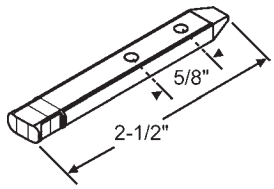
PIVOT BARS



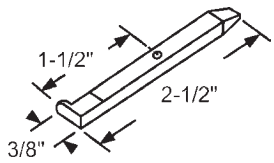
62-540H



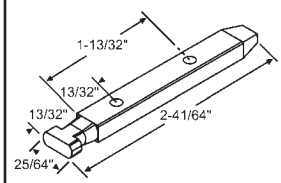
62-540A



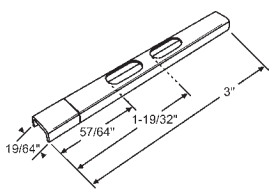
62-550



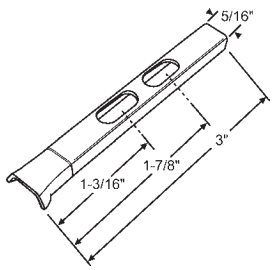
62-540B



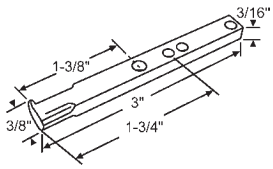
62-828



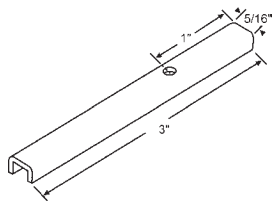
62-827



62-544



62-545



900-14309

ADHESIVE SEALANT

SOUDAL

Part #	Color	Size
59-137W	White	10.1 oz. Tube
59-137	Clear	10.1 oz. Tube
59-138W	White	20 oz. Sausage

Silirub N1 is a Premium Grade 100%, Neutral Cure Silicone

Characteristics:
- Permanent color
- UV resistant
- Excellent moisture and mold resistance.
- Stays fully elastic after curing
- Good adhesion on many materials
- Easy application
- Medium modulus
- Movement up to +/- 25%

Applications:
- Building and construction joints
- Top sealing at glazing jobs
- Suitable as back bedding compound as well as weather sealant
- Joints with high movement between different building materials
- Sealing between treated wood, metal, PVC profiles and glass

Surfaces:
- Type: all usual building surfaces
- State of surface: clean, dry, free of dust and grease
- Preparation: Prime porous surfaces with Primer, no primer required for non-porous surfaces.

We recommend a preliminary compatibility test,especially on PVD and powder coated materials.

Note: Custom Color Matching Available. Three Case Minimum (12 Per Case). Check with Your Account Manager for Available Colors and Lead Times.

GLASS CLEANER

Spray-X®

59-101
19 oz. can
12 cans per case

Foaming Glass Cleaner

- Industrial Strength
- The most versatile glass cleaner available
- Cleans glass, windows, mirrors, windshields, enamel surfaces, chrome, tile, porcelain and other hard surfaces.
- Sprays in any position
- Dissolves dirt, grease, grit and grime
- Heavy-Duty Foam clings to vertical surfaces
- Non-ammoniated
- Guaranteed to leave no film - "Streak Free"
- Safe on tinted glass, plastic and mirrors
- Contains cosmetic-grade alcohol for best performance
- Superior quality at competitive pricing
- Patent Pending Formulation

Spray X Glass Cleaner contains less water and more cleaning power. Our patent pending formulation allows us to meet the current VOC regulations and deliver maximum cleaning performance for our customers. Compare our alcohol content to other national brands and you'll notice our quality is significantly higher

Spray X Glass Cleaner uses SD-40B cosmetic grade alcohol that is 200 proof and 99.9% pure. This type of alcohol requires a registration with the US Department of Alcohol, Tobacco and Firearms, and each Spray-X Glass Cleaner can is marked with our registration number. Compare our registration to other brands and you'll quickly agree this product has been performance engineered to meet all your glass cleaning needs.

Spray X Glass Cleaner for cleaning and polishing glass, mirrors and other nonporous surfaces. This easy-to-use, fast-acting product uses clinging foam to break up soils and hold them -even on vertical surfaces. There's no dripping, no running and no streaking. With an exclusive industrial strength formulation, this product cleans thoroughly, dries quickly, requires no rinsing and leaves a pleasant, fresh aroma.

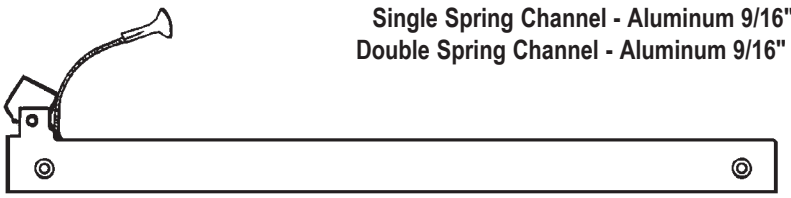
Spray-X Glass Cleaner utilizes a 360 degree valve for ease of use. This allows our product to be sprayed right side up or upside down. Other brands cannot spray upside down, but we have this solid valve feature, plus the anti- fatigue finger pad makes this packaging very attractive to all users.

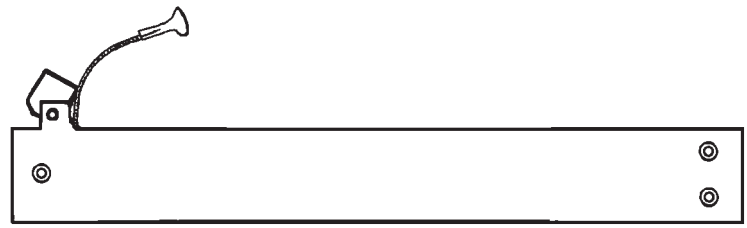
Spray-X Glass Cleaner is alcohol based. It does not contain ammonia. When comparing our performance on tinted glass to ammoniated brands most professional installers praise the difference.

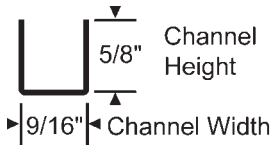
Spray-X Glass Cleaner is packaged in a two-piece steel can. No side seam means we use less energy and material and generate less waste. Our can weighs 10% less than the three-piece equivalent and is 100% recyclable. You will appreciate the new contemporary can design.

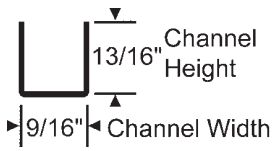
62DV SERIES DEVAC OVERHEAD CHANNEL BALANCES

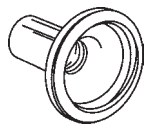
Single Spring Channel - Aluminum 9/16" Wide x 5/8" Deep
Double Spring Channel - Aluminum 9/16" Wide x 13/16" Deep











900-9036
Standard Bell Clip Attached

Ordering Information

1) Measure metal channel length.
2) Check number old or new stamped on balance (e.g. 111 or 1210).
3) Select our corresponding part number from the chart below and order accordingly.
4) All balances come with 900-9036 attached.

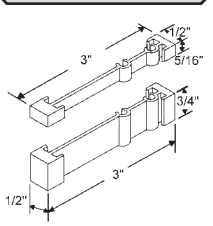
Note: Minimum order required for this series.
Must order minimum of four (4) of the same size balance.

General Information

1) All balances now use Dacron cord. Stainless steel cable with copper hook terminal is no longer being produced.
2) It is important to note how much cord extends from your balance to the window sill (in inches) in order to ensure the proper amount of cord travel. Our chart will indicate standard lengths but if additional inches of cord are required, add a plus (+) sign after the part number and indicate the number of extra inches of cord required.
3) When the letter "D" alone is stamped on your balance, it denotes a double spring. "HD", on the other hand, simply denotes heavy duty.

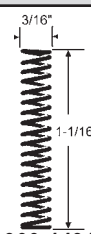
Old Balance Number	Old Balance Length	New Balance Number	New Balance Length	Standard Cord Length in Balance	Sash Weight Per Pair	Our Part #
111	12-3/4"	1210 HD	13"	31"	4-7 lbs.	62DV-1210HD
112	12-3/4"	1220 HD	13"	31"	7-11 lbs.	62DV-1220HD
112-D	13-1/4"	112 D	13-1/4"	36"	11-18 lbs.	62DV-112D
121	15-1/4"	1510 HD	16"	37"	5-9 lbs.	62DV-1510HD
122	15-1/4"	1520 HD	16"	37"	9-13 lbs.	62DV-1520HD
122-D	16-1/4"	122-D	16-1/4"	42"	12-22 lbs.	62DV-122D
151	19-1/4"	1910 HD	20"	41"	5-11 lbs.	62DV-1910HD
152	19-1/4"	1920 HD	20"	41"	8-14 lbs.	62DV-1920HD
153	19-1/4"	1930 HD	20"	41"	14-18 lbs.	62DV-1930HD
153-D	19-3/4"	153-D	19-3/4"	47"	16-28 lbs.	62DV-153D
162	23-1/4"	2320 HD	24"	47"	9-14 lbs.	62DV-2320HD
163	23-1/4"	2330 HD	24"	47"	12-20 lbs.	62DV-2330HD
163-D	23-1/4"	163-D	23-3/4"	53"	20-32 lbs.	62DV-163D
183	27-1/4"	2730 HD	28"	50"	16-25 lbs.	62DV-2730HD
183-D	28-1/4"	183-D	28-1/4"	58"	22-34 lbs.	62DV-183D

DEVAC SASH STOPS



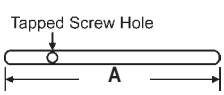
900-10445B
2 Piece Set - Black, Aluminum

PIN LOCKING SPRING



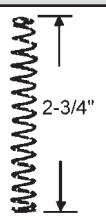
900-14913

LOCKING PINS



Part #	A
900-9678	2-1/4"
900-9677	2-1/2"

CUSHION BLOCK SPRING

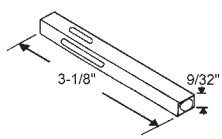


900-9676

NYLON CUSHION SHOE

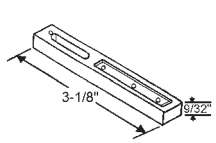
900-10443
Red

NYLON CUSHION BLOCK



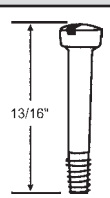
900-9675
Red

NYLON BALANCE CUSHION



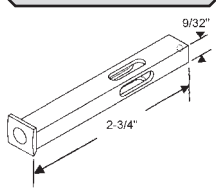
900-10442
Red

PIN LOCK SCREW



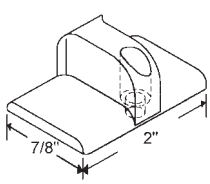
900-10444

LATCH ASSEMBLY HOUSING



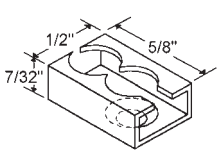
900-9674

PIN LOCKING HANDLE



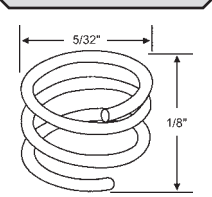
900-9679
Black

SASH CLIPS



900-15841

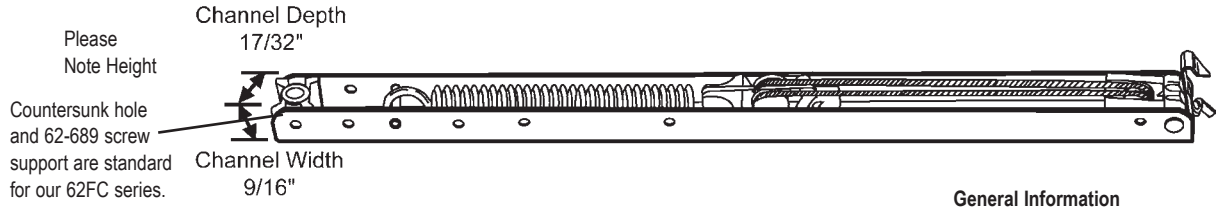
SPRING



900-14743

AZA SALES
TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

62FC SERIES 1/2" X 1/2" TILT CHANNEL BALANCE



Ordering Information

1) Measure metal channel length (Do not include any attached ends).
2) Identify number stamped on channel. (e.g., 21A, 24B, etc.)
3) Select our corresponding part number from the chart below.
4) Identify the appropriate balance end to be attached; add the appropriate suffix -1 (60-518) or -5 (900-18354) after the part number and order accordingly.
5) If the letter "T" appears after the number stamped, it indicates a top sash balance; when ordering, add the letter "T" at the end of our part number.

General Information

1) Please note that the 1/2" channel height is smaller than the usual 19/32" height on standard balances.
2) If metal channel length does not correspond with the number stamped on balance, consult your representative since your balance may be a special order.

Example Ordering Chart

Channel Length	Number Stamped	Part Number	End Attached	Complete Part Number
21"	21A	**62FC-21A**	-1	**62FC-21A-1**
24"	24B	**62FC-24B**	-5	**62FC-24B-5**

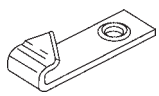
Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number
10"	10A	2-6 lbs.	**62FC-10A-**	18"	18A	4-9 lbs.	**62FC-18A-**
10"	10B	6-10 lbs.	**62FC-10B-**	18"	18B	9-13 lbs.	**62FC-18B-**
10"	10C	10-13 lbs.	**62FC-10C-**	18"	18C	13-18 lbs.	**62FC-18C-**
11"	11A	3-7 lbs.	**62FC-11A-**	18"	18D	18-21 lbs.	**62FC-18D-**
11"	11B	7-10 lbs.	**62FC-11B-**	18"	18E	21-24 lbs.	**62FC-18E-**
11"	11C	10-16 lbs.	**62FC-11C-**	18"	18F	24-26 lbs.	**62FC-18F-**
11"	11D	16-18 lbs.	**62FC-11D-**	18"	18G	26-29 lbs.	**62FC-18G-**
12"	12A	3-7 lbs.	**62FC-12A-**	18"	18H	29-32 lbs.	**62FC-18H-**
12"	12B	7-10 lbs.	**62FC-12B-**	18"	18I	32-34 lbs.	**62FC-18I-**
12"	12C	10-16 lbs.	**62FC-12C-**	19"	19A	4-9 lbs.	**62FC-19A-**
12"	12D	16-18 lbs.	**62FC-12D-**	19"	19B	9-13 lbs.	**62FC-19B-**
13"	13A	3-7 lbs.	**62FC-13A-**	19"	19C	13-18 lbs.	**62FC-19C-**
13"	13B	7-10 lbs.	**62FC-13B-**	19"	19D	18-21 lbs.	**62FC-19D-**
13"	13C	10-16 lbs.	**62FC-13C-**	19"	19E	21-24 lbs.	**62FC-19E-**
13"	13D	16-18 lbs.	**62FC-13D-**	19"	19F	24-26 lbs.	**62FC-19F-**
14"	14A	3-7 lbs.	**62FC-14A-**	19"	19G	26-29 lbs.	**62FC-19G-**
14"	14B	7-10 lbs.	**62FC-14B-**	19"	19H	29-32 lbs.	**62FC-19H-**
14"	14C	10-16 lbs.	**62FC-14C-**	19"	19I	32-34 lbs.	**62FC-19I-**
14"	14D	16-19 lbs.	**62FC-14D-**	20"	20A	5-10 lbs.	**62FC-20A-**
14"	14E	19-22 lbs.	**62FC-14E-**	20"	20B	10-14 lbs.	**62FC-20B-**
14"	14F	22-25 lbs.	**62FC-14F-**	20"	20C	14-18 lbs.	**62FC-20C-**
14"	14G	25-28 lbs.	**62FC-14G-**	20"	20D	18-22 lbs.	**62FC-20D-**
14"	14H	28-31 lbs.	**62FC-14H-**	20"	20E	22-26 lbs.	**62FC-20E-**
14"	14I	31-34 lbs.	**62FC-14I-**	20"	20F	26-30 lbs.	**62FC-20F-**
15"	15A	3-7 lbs.	**62FC-15A-**	20"	20G	30-34 lbs.	**62FC-20G-**
15"	15B	7-10 lbs.	**62FC-15B-**	20"	20H	34-37 lbs.	**62FC-20H-**
15"	15C	10-16 lbs.	**62FC-15C-**	20"	20I	37-40 lbs.	**62FC-20I-**
15"	15D	16-19 lbs.	**62FC-15D-**	21"	21A	5-10 lbs.	**62FC-21A-**
15"	15E	19-22 lbs.	**62FC-15E-**	21"	21B	10-14 lbs.	**62FC-21B-**
15"	15F	22-25 lbs.	**62FC-15F-**	21"	21C	14-18 lbs.	**62FC-21C-**
15"	15G	25-28 lbs.	**62FC-15G-**	21"	21D	18-22 lbs.	**62FC-21D-**
15"	15H	28-31 lbs.	**62FC-15H-**	21"	21E	22-26 lbs.	**62FC-21E-**
15"	15I	31-34 lbs.	**62FC-15I-**	21"	21F	26-30 lbs.	**62FC-21F-**
16"	16A	3-7 lbs.	**62FC-16A-**	21"	21G	30-34 lbs.	**62FC-21G-**
16"	16B	7-10 lbs.	**62FC-16B-**	21"	21H	34-37 lbs.	**62FC-21H-**
16"	16C	10-16 lbs.	**62FC-16C-**	21"	21I	37-40 lbs.	**62FC-21I-**
16"	16D	16-19 lbs.	**62FC-16D-**	22"	22A	5-10 lbs.	**62FC-22A-**
16"	16E	19-22 lbs.	**62FC-16E-**	22"	22B	10-14 lbs.	**62FC-22B-**
16"	16F	22-24 lbs.	**62FC-16F-**	22"	22C	14-18 lbs.	**62FC-22C-**
16"	16G	24-28 lbs.	**62FC-16G-**	22"	22D	18-22 lbs.	**62FC-22D-**
16"	16H	28-31 lbs.	**62FC-16H-**	22"	22E	22-26 lbs.	**62FC-22E-**
16"	16I	31-34 lbs.	**62FC-16I-**	22"	22F	26-30 lbs.	**62FC-22F-**
17"	17A	3-7 lbs.	**62FC-17A-**	22"	22G	30-34 lbs.	**62FC-22G-**
17"	17B	7-10 lbs.	**62FC-17B-**	22"	22H	34-37 lbs.	**62FC-22H-**
17"	17C	10-16 lbs.	**62FC-17C-**	22"	22I	37-40 lbs.	**62FC-22I-**
17"	17D	16-19 lbs.	**62FC-17D-**	23"	23A	5-10 lbs.	**62FC-23A-**
17"	17E	19-22 lbs.	**62FC-17E-**	23"	23B	10-14 lbs.	**62FC-23B-**
17"	17F	22-24 lbs.	**62FC-17F-**	23"	23C	14-18 lbs.	**62FC-23C-**
17"	17G	24-28 lbs.	**62FC-17G-**	23"	23D	18-22 lbs.	**62FC-23D-**
17"	17H	28-31 lbs.	**62FC-17H-**	23"	23E	22-26 lbs.	**62FC-23E-**
17"	17I	31-34 lbs.	**62FC-17I-**	23"	23F	26-30 lbs.	**62FC-23F-**

Chart continued on next page.

END BRACKETS

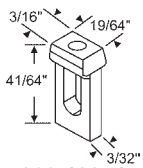
Add suffix to complete part number.

-1



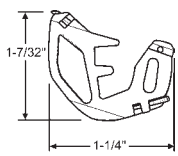
60-518

-5



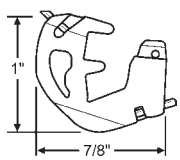
900-18354

-11



62-539

-18



62-543

Note: Old manufacturer (Jim Walters) of this series balance stamped it with a four digit number (e.g. 2130). These balances are no longer manufactured with that stamping. To identify your balance and match up properly with the new manufacturer's balances, you must take the following steps:

1. Measure exact length of channel.
2. Identify the weight range you require.
   - Weighing your sash is the only way to get the exact weight range required.
   - The old balance with the 4 digit number has a different weight range than the new balances.
   - Consult your account manager if you have any questions.
3. Select our corresponding part number from the chart.
4. Identify the appropriate balance end that needs to be attached.

62FC SERIES 1/2" X 1/2" TILT CHANNEL BALANCE

Chart continued from previous page.

Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number
23"	23G	30-34 lbs.	**62FC-23G-**	31"	31C	19-24 lbs.	**62FC-31C-**	38"	38H	40-43 lbs.	**62FC-38H-**
23"	23H	34-37 lbs.	**62FC-23H-**	31"	31D	24-29 lbs.	**62FC-31D-**	38"	38I	43-45 lbs.	**62FC-38I-**
23"	23I	37-40 lbs.	**62FC-23I-**	31"	31E	29-33 lbs.	**62FC-31E-**	39"	39A	11-16 lbs.	**62FC-39A-**
24"	24A	6-11 lbs.	**62FC-24A-**	31"	31F	33-37 lbs.	**62FC-31F-**	39"	39B	16-22 lbs.	**62FC-39B-**
24"	24B	11-17 lbs.	**62FC-24B-**	31"	31G	37-40 lbs.	**62FC-31G-**	39"	39C	22-27 lbs.	**62FC-39C-**
24"	24C	17-22 lbs.	**62FC-24C-**	31"	31H	40-43 lbs.	**62FC-31H-**	39"	39D	27-32 lbs.	**62FC-39D-**
24"	24D	22-25 lbs.	**62FC-24D-**	31"	31I	43-45 lbs.	**62FC-31I-**	39"	39E	32-34 lbs.	**62FC-39E-**
24"	24E	25-28 lbs.	**62FC-24E-**	32"	32A	8-14 lbs.	**62FC-32A-**	39"	39F	34-37 lbs.	**62FC-39F-**
24"	24F	28-30 lbs.	**62FC-24F-**	32"	32B	14-20 lbs.	**62FC-32B-**	39"	39G	37-40 lbs.	**62FC-39G-**
24"	24G	30-34 lbs.	**62FC-24G-**	32"	32C	20-25 lbs.	**62FC-32C-**	39"	39H	40-43 lbs.	**62FC-39H-**
24"	24H	34-37 lbs.	**62FC-24H-**	32"	32D	25-30 lbs.	**62FC-32D-**	39"	39I	43-45 lbs.	**62FC-39I-**
24"	24I	37-40 lbs.	**62FC-24I-**	32"	32E	30-34 lbs.	**62FC-32E-**	40"	40A	11-16 lbs.	**62FC-40A-**
25"	25A	6-11 lbs.	**62FC-25A-**	32"	32F	34-37 lbs.	**62FC-32F-**	40"	40B	16-22 lbs.	**62FC-40B-**
25"	25B	11-17 lbs.	**62FC-25B-**	32"	32G	37-40 lbs.	**62FC-32G-**	40"	40C	22-27 lbs.	**62FC-40C-**
25"	25C	17-22 lbs.	**62FC-25C-**	32"	32H	40-43 lbs.	**62FC-32H-**	40"	40D	27-32 lbs.	**62FC-40D-**
25"	25D	22-25 lbs.	**62FC-25D-**	32"	32I	43-45 lbs.	**62FC-32I-**	40"	40E	32-34 lbs.	**62FC-40E-**
25"	25E	25-28 lbs.	**62FC-25E-**	33"	33A	8-14 lbs.	**62FC-33A-**	40"	40F	34-37 lbs.	**62FC-40F-**
25"	25F	28-30 lbs.	**62FC-25F-**	33"	33B	14-20 lbs.	**62FC-33B-**	40"	40G	37-40 lbs.	**62FC-40G-**
25"	25G	30-34 lbs.	**62FC-25G-**	33"	33C	20-25 lbs.	**62FC-33C-**	40"	40H	40-43 lbs.	**62FC-40H-**
25"	25H	34-37 lbs.	**62FC-25H-**	33"	33D	25-30 lbs.	**62FC-33D-**	40"	40I	43-45 lbs.	**62FC-40I-**
25"	25I	37-40 lbs.	**62FC-25I-**	33"	33E	30-34 lbs.	**62FC-33E-**	41"	41A	11-16 lbs.	**62FC-41A-**
26"	26A	6-11 lbs.	**62FC-26A-**	33"	33F	34-37 lbs.	**62FC-33F-**	41"	41B	16-22 lbs.	**62FC-41B-**
26"	26B	11-17 lbs.	**62FC-26B-**	33"	33G	37-40 lbs.	**62FC-33G-**	41"	41C	22-27 lbs.	**62FC-41C-**
26"	26C	17-22 lbs.	**62FC-26C-**	33"	33H	40-43 lbs.	**62FC-33H-**	41"	41D	27-32 lbs.	**62FC-41D-**
26"	26D	22-26 lbs.	**62FC-26D-**	33"	33I	43-45 lbs.	**62FC-33I-**	41"	41E	32-34 lbs.	**62FC-41E-**
26"	26E	26-30 lbs.	**62FC-26E-**	34"	34A	11-16 lbs.	**62FC-34A-**	41"	41F	34-37 lbs.	**62FC-41F-**
26"	26F	30-34 lbs.	**62FC-26F-**	34"	34B	16-22 lbs.	**62FC-34B-**	41"	41G	37-40 lbs.	**62FC-41G-**
26"	26G	34-38 lbs.	**62FC-26G-**	34"	34C	22-27 lbs.	**62FC-34C-**	41"	41H	40-43 lbs.	**62FC-41H-**
26"	26H	38-42 lbs.	**62FC-26H-**	34"	34D	27-32 lbs.	**62FC-34D-**	41"	41I	43-45 lbs.	**62FC-41I-**
26"	26I	42-45 lbs.	**62FC-26I-**	34"	34E	32-34 lbs.	**62FC-34E-**	42"	42A	11-16 lbs.	**62FC-42A-**
27"	27A	6-11 lbs.	**62FC-27A-**	34"	34F	34-37 lbs.	**62FC-34F-**	42"	42B	16-22 lbs.	**62FC-42B-**
27"	27B	11-17 lbs.	**62FC-27B-**	34"	34G	37-40 lbs.	**62FC-34G-**	42"	42C	22-27 lbs.	**62FC-42C-**
27"	27C	17-22 lbs.	**62FC-27C-**	34"	34H	40-43 lbs.	**62FC-34H-**	42"	42D	27-32 lbs.	**62FC-42D-**
27"	27D	22-26 lbs.	**62FC-27D-**	34"	34I	43-45 lbs.	**62FC-34I-**	42"	42E	32-34 lbs.	**62FC-42E-**
27"	27E	26-30 lbs.	**62FC-27E-**	35"	35A	11-16 lbs.	**62FC-35A-**	42"	42F	34-37 lbs.	**62FC-42F-**
27"	27F	30-34 lbs.	**62FC-27F-**	35"	35B	16-22 lbs.	**62FC-35B-**	42"	42G	37-40 lbs.	**62FC-42G-**
27"	27G	34-38 lbs.	**62FC-27G-**	35"	35C	22-27 lbs.	**62FC-35C-**	42"	42H	40-43 lbs.	**62FC-42H-**
27"	27H	38-42 lbs.	**62FC-27H-**	35"	35D	27-32 lbs.	**62FC-35D-**	42"	42I	43-45 lbs.	**62FC-42I-**
27"	27I	42-45 lbs.	**62FC-27I-**	35"	35E	32-34 lbs.	**62FC-35E-**	43"	43A	11-16 lbs.	**62FC-43A-**
28"	28A	7-12 lbs.	**62FC-28A-**	35"	35F	34-37 lbs.	**62FC-35F-**	43"	43B	16-22 lbs.	**62FC-43B-**
28"	28B	12-18 lbs.	**62FC-28B-**	35"	35G	37-40 lbs.	**62FC-35G-**	43"	43C	22-27 lbs.	**62FC-43C-**
28"	28C	18-23 lbs.	**62FC-28C-**	35"	35H	40-43 lbs.	**62FC-35H-**	43"	43D	27-32 lbs.	**62FC-43D-**
28"	28D	23-28 lbs.	**62FC-28D-**	35"	35I	43-45 lbs.	**62FC-35I-**	43"	43E	32-34 lbs.	**62FC-43E-**
28"	28E	28-32 lbs.	**62FC-28E-**	36"	36A	11-16 lbs.	**62FC-36A-**	43"	43F	34-37 lbs.	**62FC-43F-**
28"	28F	32-36 lbs.	**62FC-28F-**	36"	36B	16-22 lbs.	**62FC-36B-**	43"	43G	37-40 lbs.	**62FC-43G-**
28"	28G	36-40 lbs.	**62FC-28G-**	36"	36C	22-27 lbs.	**62FC-36C-**	43"	43H	40-43 lbs.	**62FC-43H-**
28"	28H	40-43 lbs.	**62FC-28H-**	36"	36D	27-32 lbs.	**62FC-36D-**	43"	43I	43-45 lbs.	**62FC-43I-**
28"	28I	43-45 lbs.	**62FC-28I-**	36"	36E	32-34 lbs.	**62FC-36E-**	44"	44A	11-16 lbs.	**62FC-44A-**
29"	29A	7-12 lbs.	**62FC-29A-**	36"	36F	34-37 lbs.	**62FC-36F-**	44"	44B	16-22 lbs.	**62FC-44B-**
29"	29B	12-18 lbs.	**62FC-29B-**	36"	36G	37-40 lbs.	**62FC-36G-**	44"	44C	22-27 lbs.	**62FC-44C-**
29"	29C	18-23 lbs.	**62FC-29C-**	36"	36H	40-43 lbs.	**62FC-36H-**	44"	44D	27-32 lbs.	**62FC-44D-**
29"	29D	23-28 lbs.	**62FC-29D-**	36"	36I	43-45 lbs.	**62FC-36I-**	44"	44E	32-34 lbs.	**62FC-44E-**
29"	29E	28-32 lbs.	**62FC-29E-**	37"	37A	11-16 lbs.	**62FC-37A-**	44"	44F	34-37 lbs.	**62FC-44F-**
29"	29F	32-36 lbs.	**62FC-29F-**	37"	37B	16-22 lbs.	**62FC-37B-**	44"	44G	37-40 lbs.	**62FC-44G-**
29"	29G	36-40 lbs.	**62FC-29G-**	37"	37C	22-27 lbs.	**62FC-37C-**	44"	44H	40-43 lbs.	**62FC-44H-**
29"	29H	40-43 lbs.	**62FC-29H-**	37"	37D	27-32 lbs.	**62FC-37D-**	44"	44I	43-45 lbs.	**62FC-44I-**
29"	29I	43-45 lbs.	**62FC-29I-**	37"	37E	32-34 lbs.	**62FC-37E-**				
30"	30A	8-13 lbs.	**62FC-30A-**	37"	37F	34-37 lbs.	**62FC-37F-**				
30"	30B	13-19 lbs.	**62FC-30B-**	37"	37G	37-40 lbs.	**62FC-37G-**				
30"	30C	19-24 lbs.	**62FC-30C-**	37"	37H	40-43 lbs.	**62FC-37H-**				
30"	30D	24-29 lbs.	**62FC-30D-**	37"	37I	43-45 lbs.	**62FC-37I-**				
30"	30E	29-33 lbs.	**62FC-30E-**	38"	38A	11-16 lbs.	**62FC-38A-**				
30"	30F	33-37 lbs.	**62FC-30F-**	38"	38B	16-22 lbs.	**62FC-38B-**				
30"	30G	37-40 lbs.	**62FC-30G-**	38"	38C	22-27 lbs.	**62FC-38C-**				
30"	30H	40-43 lbs.	**62FC-30H-**	38"	38D	27-32 lbs.	**62FC-38D-**				
30"	30I	43-45 lbs.	**62FC-30I-**	38"	38E	32-34 lbs.	**62FC-38E-**				
31"	31A	8-13 lbs.	**62FC-31A-**	38"	38F	34-37 lbs.	**62FC-38F-**				
31"	31B	13-19 lbs.	**62FC-31B-**	38"	38G	37-40 lbs.	**62FC-38G-**				

For balances larger than sizes shown and balances stamped with additional numbers that indicate special sash weights, please consult your account manager. Please contact account manager for pricing.

AZA SALES
TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
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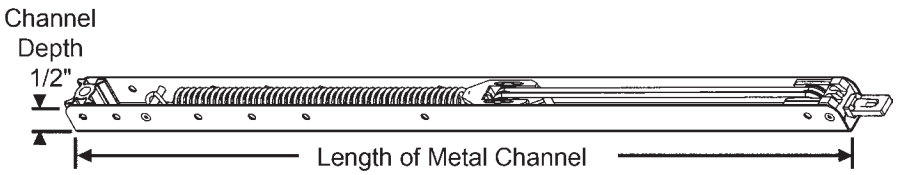
62G SERIES TILT CHANNEL BALANCE



GENERAL INFORMATION

1. Please note that the 1/2" channel height is smaller than the usual 19/32" height on standard balances.
2. If metal channel length does not correspond with the number stamped on balance, consult your representative since your balance may be a special order.
3. Available in Mill Only

ORDERING INSTRUCTIONS

1. Measure metal channel length (do not include any attached ends.)
2. Check number stamped on balance (eg: 26R, 22TG, ect.)
3. Select our corresponding part number from chart below

***Note:** When ordering balances where the number stamped on balance ends with S or DS (example 21DS) you need to specify the exact sash weight within the range listed on the chart.
Ordering Example: Number stamped on balance is 21DS, exact sash weight is 34 lbs., you would then order part number 62G-21DS34-5

Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number
8"	7R	4-6	**62G-7R-5**	18"	17S*	20-26	**SEE NOTE**	27"	26TGX	24-26	**62G-26TGX-5**	37"	36HD	20-25	**62G-36HD-5**
8"	7HD	6-9	**62G-7HD-5**	18"	17TG	14-18	**62G-17TG-5**	28"	27DS*	34-45	**SEE NOTE**	37"	36R	15-20	**62G-36R-5**
8"	7TG	9-11	**62G-7TG-5**	18"	17TGX	18-20	**62-17TGX-5**	28"	27HD	15-21	**62G-27HD-5**	37"	36S*	33-34	**SEE NOTE**
8"	7TGX	11-13	**62G-7TGX-5**	19"	18DS*	26-34	**SEE NOTE**	28"	27R	10-15	**62G-27R-5**	37"	36TG	25-29	**62G-36TG-5**
9"	8R	4-6	**62G-8R-5**	19"	18HD	9-14	**62-18HD-5**	28"	27S*	26-34	**SEE NOTE**	37"	36TGX	29-33	**62G-36TGX-5**
9"	8HD	6-9	**62G-8HD-5**	19"	18R	6-9	**62-18R-5**	28"	27TG	21-24	**62G-27TG-5**	38"	37DS*	34-45	**SEE NOTE**
9"	8TG	9-11	**62G-8TG-5**	19"	18S*	21-26	**SEE NOTE**	28"	27TGX	24-26	**62G-27TGX-5**	38"	37HD	21-26	**62G-37HD-5**
9"	8TGX	11-13	**62G-8TGX-5**	19"	18TG	14-18	**62G-18TG-5**	29"	28DS*	34-45	**SEE NOTE**	38"	37R	16-21	**62G-37R-5**
10"	9R	4-7	**62G-9R-5**	19"	18TGX	18-21	**62G-18TGX-5**	29"	28HD	16-21	**62G-28HD-5**	38"	37TG	26-30	**62G-37TG-5**
10"	9HD	7-10	**62G-9HD-5**	20"	19DS*	26-40	**SEE NOTE**	29"	28R	10-16	**62G-28R-5**	38"	37TGX	30-34	**62G-37TGX-5**
10"	9TG	10-12	**62G-TG-5**	20"	19HD	9-15	**62G-19HD-5**	29"	28S*	28-34	**SEE NOTE**	39"	38DS*	34-45	**SEE NOTE**
10"	9TGX	10-14	**62G-9TGX-5**	20"	19R	6-9	**62G-19R-5**	29"	28TG	21-26	**62G-28TG-5**	39"	38HD	21-26	**62G-38HD-5**
11"	10R	4-7	**62G-10R-5**	20"	19S*	21-26	**SEE NOTE**	29"	28TGX	26-28	**62G-28TGX-5**	39"	38R	16-21	**62G-38R-5**
11"	10HD	7-10	**62G-10HD-5**	20"	19TG	15-19	**62G-19TG-5**	30"	29DS*	34-45	**SEE NOTE**	39"	38TG	26-30	**62G-38TG-5**
11"	10TG	10-12	**62G-10TG-5**	20"	19TGX	19-21	**62G-19TGX-5**	30"	29HD	16-21	**62G-29HD-5**	39"	38TGX	30-34	**62G-38TGX-5**
11"	10TGX	12-14	**62G-10TGX-5**	21"	20DS*	30-40	**SEE NOTE**	30"	29R	10-16	**62G-29R-5**	40"	39DS*	34-45	**SEE NOTE**
11"	10S*	14-18	**SEE NOTE**	21"	20HD	11-17	**62G-20HD-5**	30"	29S*	28-34	**SEE NOTE**	40"	39HD	21-26	**62G-39HD-5**
12"	11R	4-7	**62G-11R-5**	21"	20R	8-11	**62G-20R-5**	30"	29TG	21-26	**62G-29TG-5**	40"	39R	16-21	**62G-39R-5**
12"	11HD	7-10	**62G-11HD-5**	21"	20S*	23-30	**SEE NOTE**	30"	29TGX	26-28	**62G-29TGX-5**	40"	39TG	26-30	**62G-39TG-5**
12"	11TG	10-12	**62G-11TG-5**	21"	20TG	17-20	**62G-20TG-5**	31"	30DS*	34-45	**SEE NOTE**	40"	39TGX	30-34	**62G-39TGX-5**
12"	11TGX	12-14	**62G-11TGX-5**	21"	20TGX	20-23	**62G-20TGX-5**	31"	30HD	18-23	**62G-30HD-5**	41"	40DS*	34-45	**SEE NOTE**
12"	11S*	14-18	**SEE NOTE**	22"	21DS*	30-40	**SEE NOTE**	31"	30R	13-18	**62G-30R-5**	41"	40HD	21-26	**62G-40HD-5**
13"	12R	4-7	**62G-12R-5**	22"	21HD	11-17	**62G-21HD-5**	31"	30S*	30-34	**SEE NOTE**	41"	40R	16-21	**62G-40R-5**
13"	12HD	7-10	**62G-12HD-5**	22"	21R	8-11	**62G-21R-5**	31"	30TG	23-26	**62G-30TG-5**	41"	40TG	26-30	**62G-40TG-5**
13"	12TG	10-12	**62G-12TG-5**	22"	21S*	23-30	**SEE NOTE**	31"	30TGX	26-30	**62G-30TGX-5**	41"	40TGX	30-34	**62G-40TGX-5**
13"	12TGX	12-14	**62G-12TGX-5**	22"	21TG	17-20	**62G-21TG-5**	32"	31DS*	34-45	**SEE NOTE**	42"	41DS*	34-45	**SEE NOTE**
13"	12S17	14-17	**62G-12S17-5**	22"	21TGX	20-23	**62G-21TGX-5**	32"	31HD	18-24	**62G-31HD-5**	42"	41HD	21-26	**62G-41HD-5**
13"	12S*	14-22	**SEE NOTE**	23"	22DS*	30-40	**SEE NOTE**	32"	31R	13-18	**62G-31R-5**	42"	41R	18-21	**62G-41R-5**
13"	12DS*	22-30	**SEE NOTE**	23"	22HD	12-18	**62G-22HD-5**	32"	31S*	30-34	**SEE NOTE**	42"	41TG	26-30	**62G-41TG-5**
14"	13R	5-8	**62G-13R-5**	23"	22R	8-12	**62G-22R-5**	32"	31TG	24-27	**62G-31TG-5**	42"	41TGX	30-34	**62G-41TGX-5**
14"	13HD	8-12	**62G-13HD-5**	23"	22S*	23-30	**SEE NOTE**	32"	31TGX	27-30	**62G-31TGX-5**	43"	42DS*	34-45	**SEE NOTE**
14"	13TG	12-16	**62G-TG-5**	23"	22TG	18-21	**62G-22TG-5**	33"	32DS*	34-45	**SEE NOTE**	43"	42HD	21-26	**62G-42HD-5**
14"	13TGX	16-18	**62G-13TGX-5**	23"	22TGX	21-23	**62G-22TGX-5**	33"	32HD	18-24	**62G-32HD-5**	43"	42R	18-21	**62G-42R-5**
14"	13DS*	22-34	**SEE NOTE**	24"	23DS*	30-40	**SEE NOTE**	33"	32R	13-18	**62G-32R-5**	43"	42TG	26-30	**62G-42TG-5**
14"	13S*	18-22	**SEE NOTE**	24"	23HD	12-18	**62G-23HD-5**	33"	32S*	31-34	**SEE NOTE**	43"	42TGX	30-34	**62G-42TGX-5**
15"	14DS	24-34	**SEE NOTE**	24"	23R	8-12	**62G-23R-5**	33"	32TG	24-27	**62G-32TG-5**	44"	43DS*	34-45	**SEE NOTE**
15"	14HD	8-12	**62G-14HD-5**	24"	23S*	25-30	**SEE NOTE**	33"	32TGX	27-31	**62G-32TGX-5**	44"	43HD	21-26	**62G-43HD-5**
15"	14R	5-8	**62G-R-5**	24"	23TG	18-23	**62G-23TG-5**	34"	33DS*	34-45	**SEE NOTE**	44"	43R	18-21	**62G-43R-5**
15"	14S	18-24	**SEE NOTE**	24"	23TGX	23-25	**62G-23TGX-5**	34"	33HD	19-25	**62G-33HD-5**	44"	43TG	26-30	**62G-43TG-5**
15"	14TG	12-16	**62G-14TG-5**	25"	24DS*	34-45	**SEE NOTE**	34"	33R	15-19	**62G-33R-5**	44"	43TGX	30-34	**62G-43TGX-5**
15"	14TGX	16-18	**62G-14TGX-5**	25"	24HD	12-19	**62G-24HD-5**	34"	33S*	32-34	**SEE NOTE**	45"	44DS*	35-45	**SEE NOTE**
16"	15DS*	24-34	**SEE NOTE**	25"	24R	8-12	**62G-24R-5**	34"	33TG	25-28	**62G-33TG-5**	45"	44HD	21-26	**62G-44HD-5**
16"	15HD	8-12	**62G-15HD-5**	25"	24S*	26-34	**SEE NOTE**	34"	33TGX	28-32	**62G-33TGX-5**	45"	44R	18-21	**62G-44R-5**
16"	15R	5-8	**62G-15R-5**	25"	24TG	19-23	**62G-24TG-5**	35"	34DS*	34-45	**SEE NOTE**	45"	44TG	26-30	**62G-44TG-5**
16"	15S*	18-24	**SEE NOTE**	25"	24TGX	23-26	**62G-24TGX-5**	35"	34HD	20-25	**62G-34HD-5**	45"	44TGX	30-35	**62G-44TGX-5**
16"	15TG	12-16	**62G-15TG-5**	26"	25DS*	34-45	**SEE NOTE**	35"	34R	15-20	**62G-34R-5**				
16"	15TGX	16-18	**62G-15TGX-5**	26"	25HD	15-20	**62G-25HD-5**	35"	34S*	32-34	**SEE NOTE**				
17"	16DS*	26-34	**SEE NOTE**	26"	25R	10-15	**62G-25R-5**	35"	34TG	25-28	**62G-34TG-5**				
17"	16HD	9-14	**62G-16HD-5**	26"	25S*	26-34	**SEE NOTE**	35"	34TGX	28-32	**62G-34TGX-5**				
17"	16R	6-9	**62G-16R-5**	26"	25TG	20-24	**62G-25TG-5**	36"	35DS*	34-45	**SEE NOTE**				
17"	16S*	26-19	**SEE NOTE**	26"	25TGX	24-26	**62G-25TGX-5**	36"	35HD	20-25	**62G-35HD-5**				
17"	16TG	14-17	**62G-16TG-5**	27"	26DS*	24-45	**SEE NOTE**	36"	35R	15-20	**62G-35R-5**				
17"	16TGX	17-17	**62G-16TGX-5**	27"	26HD	15-20	**62G-26HD-5**	36"	35S*	33-34	**SEE NOTE**				
18"	17DS*	26-34	**SEE NOTE**	27"	26R	10-15	**62G-26R-5**	36"	35TG	25-29	**62G-35TG-5**				
18"	17HD	9-14	**62G-17HD-5**	27"	26S*	26-34	**SEE NOTE**	36"	35TGX	29-33	**62G-35TGX-5**				
18"	17R	6-9	**62G-17R-5**	27"	26TG	20-24	**62G-26TG-5**	37"	36DS*	34-45	**SEE NOTE**				

62R SERIES CHANNEL BALANCE (RUSCO)

62-538
Balance Foot
Included with balance purchase.

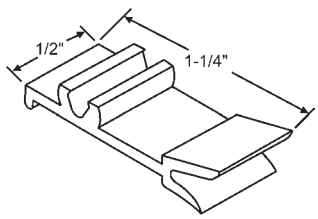
Ordering Information

1) Measure metal channel length.
2) Identify number stamped on channel.
3) Select our corresponding part number from the chart below.

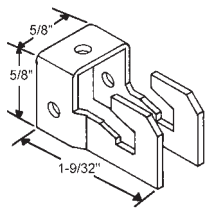
Note: Minimum order required for this series.
Must order minimum of four (4) of the same size balance.

Length of Metal Channel	Number Stamped on Balance	Weight Range	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Weight Range	Our Part Number
10-1/2"	10A-C	3-6 lbs.	**62R-10A**	24"	23E	10-15 lbs.	**62R-23E**
10-1/2"	10B-C	7-9 lbs.	**62R-10B**	24"	23F	16-18 lbs.	**62R-23F**
10-1/2"	10D-C	10-12 lbs.	**62R-10D**	23-1/16"	23S		**62R-23S**
10-3/16"	10-S		**62R-10S**				
11-7/8"	11A	3-6 lbs.	**62R-11A**	24-3/8"	24F		**62R-24F**
11-7/8"	11B	7-9 lbs.	**62R-11B**	24-11/32"	24S		**62R-24S**
11-7/8"	11D	10-12 lbs.	**62R-11D**	26"	25B	10-15 lbs.	**62R-25B**
				26"	25C	16-19 lbs.	**62R-25C**
14-3/8"	14A		**62R-14A**	26"	25D	20-25 lbs.	**62R-25D**
15-7/8"	15A	4-6 lbs.	**62R-15A**	25-5/8"	25S		**62R-25S**
15-7/8"	15B	7-10 lbs.	**62R-15B**	26-1/2"	26C		**62R-26C**
				26-25/32"	26S		**62R-26S**
15-7/8"	15D	11-13 lbs.	**62R-15D**	27-7/8"	27A	5-9 lbs.	**62R-27A**
				27-7/8"	27B	10-13 lbs.	**62R-27B**
16-11/16"	16A-C	5-8 lbs.	**62R-16A**	27-7/8"	27C	14-19 lbs.	**62R-27C**
16-11/16"	16B-C	9-12 lbs.	**62R-16B**	27-7/8"	27D	20-26 lbs.	**62R-27D**
16-11/16"	16D-C	13-19 lbs.	**62R-16D**	27-15/16"	27S		**62R-27S**
16-11/16"	16E-C	20-22 lbs.	**62R-16E**	27-7/8"	27E	27-30 lbs.	**62R-27E**
16-1/8"	16F		**62R-16F**	29"	28A-C	7-12 lbs.	**62R-28A**
16-13/32"	16S		**62R-16S**	29"	28B-C	13-16 lbs.	**62R-28B**
16-11/16"	16S-11		**62R-16S-11**	29"	28C-C	17-23 lbs.	**62R-28C**
16-11/16"	16S-18		**62R-16S-18**	29"	28D-C	24-28 lbs.	**62R-28D**
18"	17A	9-12 lbs.	**62R-17A**	29"	28E-C	29-32 lbs.	**62R-28E**
18"	17B	13-17 lbs.	**62R-17B**	28-9/16"	28S-28		**62R-28S**
18"	17D		**62R-17D**	29"	28F-C	32-35 lbs.	**62R-28F**
18"	17C		**62R-17C**	32"	31B	13-16 lbs.	**62R-31B**
18-1/4"	18B		**62R-18B**	32"	31C	17-23 lbs.	**62R-31C**
18-21/32"	18S		**62R-18S**	32"	31D	24-28 lbs.	**62R-31D**
19-7/8"	19A	5-8 lbs.	**62R-19A**	32"	31E	29-32 lbs.	**62R-31E**
19-7/8"	19B	9-12 lbs.	**62R-19B**				
19-7/8"	19D	13-17 lbs.	**62R-19D**	33-7/8"	33A	8-13 lbs.	**62R-33A**
19-7/8"	19S		**62R-19S**	33-7/8"	33B	14-18 lbs.	**62R-33B**
20-5/8"	20C		**62R-20C**	33-7/8"	33C	19-23 lbs.	**62R-33C**
20-5/8"	20D		**62R-20D**	33-7/8"	33D	24-28 lbs.	**62R-33D**
20-3/4"	20E		**62R-20E**	33-7/8"	33E	29-32 lbs.	**62R-33E**
20-3/8"	20S		**62R-20S**				
21-7/8"	21A	5-8 lbs.	**62R-21A**	35-7/8"	35A-C	8-13 lbs.	**62R-35A**
21-7/8"	21B	9-12 lbs.	**62R-21B**	35-7/8"	35B-C	14-18 lbs.	**62R-35B**
21-7/8"	21C	13-15 lbs.	**62R-21C**	35-7/8"	35C-C	19-23 lbs.	**62R-35C**
21-7/8"	21D	16-23 lbs.	**62R-21D**	35-7/8"	35D-C	24-30 lbs.	**62R-35D**
21-15/16"	21S		**62R-21S**	35-7/8"	35E-C	31-35 lbs.	**62R-35E**
22-13/16"	22A-C	5-8 lbs.	**62R-22A**	39-7/8"	39A	9-14 lbs.	**62R-39A**
22-13/16"	22B-C	9-12 lbs.	**62R-22B**	39-7/8"	39B	15-19 lbs.	**62R-39B**
22-13/16"	22C-C	13-19 lbs.	**62R-22C**	39-7/8"	39C	20-24 lbs.	**62R-39C**
22-13/16"	22D-C	20-23 lbs.	**62R-22D**	39-7/8"	39D	25-30 lbs.	**62R-39D**
22-13/16"	22F		**62R-22F**	39-7/8"	39E	31-35 lbs.	**62R-39E**
22-9/16"	22S-23		**62R-22S**	42-7/8"	42A	9-14 lbs.	**62R-42A**
22-13/16"	22E-C	24-28 lbs.	**62R-22E**	42-7/8"	42B	15-19 lbs.	**62R-42B**
23-7/8"	23A	5-9 lbs.	**62R-23A**	42-7/8"	42C	20-24 lbs.	**62R-42C**
23-7/8"	23B	10-15 lbs.	**62R-23B**	42-7/8"	42D	25-30 lbs.	**62R-42D**
23-7/8"	23C	16-18 lbs.	**62R-23C**	42-7/8"	42E	31-36 lbs.	**62R-42E**
23-7/8"	23D	19-22 lbs.	**62R-23D**				

62R SERIES BALANCE ACCESSORIES



900-19165
Balance Frame Retainer



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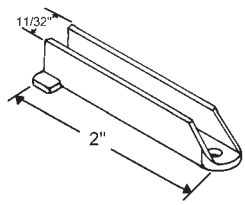
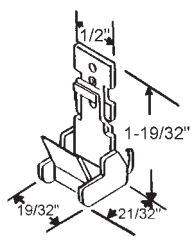
Balance Mounting Hook



900-19107
Sash Stop
Black



62-538
Balance Foot

Please contact account manager for pricing

AZA SALES
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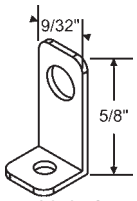
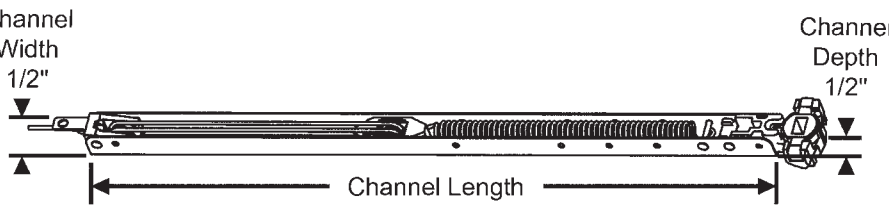
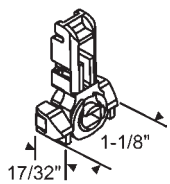
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

62S SERIES INVERTED TILT BALANCE



60-951





62-50042

GENERAL INFORMATION

1. Same balance as 62-716 series except it has numbers only stamped on balance (no letters like 62-716).
2. Only supplied with 62-50042 shoe and 60-951 clip attached. No other combinations available.
3. Used by Silver Line

ORDERING INFORMATION

1. Measure metal channel length (do no include any attached ends).
2. Check number stamped on channel: e.g. 23-0, 29-1 ect.
3. Select corresponding part number from chart.

Our Part Number	Number Stamped On Balance	Length of Metal Channel	Sash Weight	Our Part Number	Number Stamped On Balance	Length of Metal Channel	Sash Weight
62S-071-19AA	7-1	8"	2 - 4 lbs	62S-1711-19AA	17-11	18"	24 - 26 lbs
62S-073-19AA	7-3	8"	4 - 6 lbs	62S-1713-19AA	17-13	18"	26 - 29 lbs
62S-075-19AA	7-5	8"	6 - 7 lbs	62S-180-19AA	18-0	19"	3 - 5 lbs
62S-077-19AA	7-7	8"	7 - 10 lbs	62S-181-19AA	18-1	19"	5 - 8 lbs
62S-081-19AA	8-1	9"	2 - 4 lbs	62S-183-19AA	18-3	19"	8 - 12 lbs
62S-083-19AA	8-3	9"	4 - 6 lbs	62S-185-19AA	18-5	19"	12 - 16 lbs
62S-085-19AA	8-5	9"	6 - 8 lbs	62S-187-19AA	18-7	19"	16 - 20 lbs
62S-087-19AA	8-7	9"	8 - 10 lbs	62S-1711-19AA	17-11	18"	24 - 26 lbs
62S-089-19AA	8-9	9"	10 - 12 lbs	62S-1713-19AA	17-13	18"	26 - 29 lbs
62S-0811-19AA	8-11	9"	12 - 14 lbs	62S-180-19AA	18-0	19"	3 - 5 lbs
62S-091-19AA	9-1	10"	2 - 5 lbs	62S-181-19AA	18-1	19"	5 - 8 lbs
62S-093-19AA	9-3	10"	5 - 7 lbs	62S-183-19AA	18-3	19"	8 - 12 lbs
62S-095-19AA	9-5	10"	7 - 9 lbs	62S-185-19AA	18-5	19"	12 - 16 lbs
62S-097-19AA	9-7	10"	9 - 11 lbs	62S-187-19AA	18-7	19"	16 - 20 lbs
62S-0911-19AA	9-11	10"	15 - 17 lbs	62S-189-19AA	18-9	19"	20 - 24 lbs
62S-101-19AA	10-1	11"	2 - 5 lbs	62S-1811-19AA	18-11	19"	24 - 26 lbs
62S-103-19AA	10-3	11"	5 - 7 lbs	62S-1813-19AA	18-13	19"	26 - 29 lbs
62S-105-19AA	10-5	11"	7 - 11 lbs	62S-190-19AA	19-0	20"	3 - 5 lbs
62S-107-19AA	10-7	11"	11 - 13 lbs	62S-191-19AA	19-1	20"	5 - 8 lbs
62S-109-19AA	10-9	11"	13 - 15 lbs	62S-193-19AA	19-3	20"	8 - 12 lbs
62S-110-19AA	11-0	12"	2 - 5 lbs	62S-195-19AA	19-5	20"	12 - 16 lbs
62S-111-19AA	11-1	12"	5 - 7 lbs	62S-197-19AA	19-7	20"	16 - 21 lbs
62S-113-19AA	11-3	12"	7 - 9 lbs	62S-199-19AA	19-9	20"	21 - 26 lbs
62S-115-19AA	11-5	12"	9 - 13 lbs	62S-1911-19AA	19-11	20"	26 - 30 lbs
62S-117-19AA	11-7	12"	13 - 15 lbs	62S-1913-19AA	19-13	20"	30 - 34 lbs
62S-119-19AA	11-9	12"	15 - 18 lbs	62S-200-19AA	20-0	21"	4 - 6 lbs
62S-120-19AA	12-0	13"	2 - 5 lbs	62S-201-19AA	20-1	21"	6 - 10 lbs
62S-121-19AA	12-1	13"	5 - 8 lbs	62S-203-19AA	20-3	21"	10 - 15 lbs
62S-123-19AA	12-3	13"	8 - 12 lbs	62S-205-19AA	20-5	21"	15 - 19 lbs
62S-125-19AA	12-5	13"	12- 14 lbs	62S-207-19AA	20-7	21"	19 - 24 lbs
62S-127-19AA	12-7	13"	14 - 16 lbs	62S-209-19AA	20-9	21"	24 - 26 lbs
62S-129-19AA	12-9	13"	16 - 18 lbs	62S-2011-19AA	20-11	21"	26 - 30 lbs
62S-130-19AA	13-0	14"	2 - 5 lbs	62S-2013-19AA	20-13	21"	30 - 34 lbs
62S-131-19AA	13-1	14"	5 - 8 lbs	62S-210-19AA	21-0	22"	4 - 6 lbs
62S-133-19AA	13-3	14"	8 - 12 lbs	62S-211-19AA	21-1	22"	6 - 10 lbs
62S-135-19AA	13-5	14"	12 - 14 lbs	62S-213-19AA	21-3	22"	10 - 15 lbs
62S-137-19AA	13-7	14"	14 - 16 lbs	62S-215-19AA	21-5	22"	15 - 19 lbs
62S-139-19AA	13-9	14"	16 - 19 lbs	62S-217-19AA	21-7	22"	19 - 24 lbs
62S-140-19AA	14-0	15"	2 - 5 lbs	62S-219-19AA	21-9	22"	24 - 27 lbs
62S-141-19AA	14-1	15"	5 - 8 lbs	62S-2111-19AA	21-11	22"	27 - 30 lbs
62S-143-19AA	14-3	15"	8 - 12 lbs	62S-2113-19AA	21-13	22"	30 - 34 lbs
62S-145-19AA	14-5	15"	12 - 14 lbs	62S-2115-19AA	21-15	22"	34 - 37 lbs
62S-147-19AA	14-7	15"	14 - 16 lbs	62S-220-19AA	22-0	23"	4 - 6 lbs
62S-149-19AA	14-9	15"	16 - 19 lbs	62S-221-19AA	22-1	23"	6 - 10 lbs
62S-1411-19AA	14-11	15"	19 - 22 lbs	62S-223-19AA	22-3	23"	10 - 15 lbs
62S-1413-19AA	14-13	15"	22 - 24 lbs	62S-225-19AA	22-5	23"	15 - 19 lbs
62S-150-19AA	15-0	16"	2 - 5 lbs	62S-227-19AA	22-7	23"	19 - 24 lbs
62S-151-19AA	15-1	16"	5 - 8 lbs	62S-229-19AA	22-9	23"	24 - 27 lbs
62S-153-19AA	15-3	16"	8 - 12 lbs	62S-2211-19AA	22-11	23"	27 - 30 lbs
62S-155-19AA	15-5	16"	12 - 14 lbs	62S-2213-19AA	22-13	23"	30 - 34 lbs
62S-157-19AA	15-7	16"	14 - 16 lbs	62S-2215-19AA	22-15	23"	34 - 37 lbs
62S-159-19AA	15-9	16"	16 - 19 lbs	62S-230-19AA	23-0	24"	4 - 7 lbs
62S-1511-19AA	15-11	16"	19 - 22 lbs	62S-231-19AA	23-1	24"	7 - 10 lbs
62S-1513-19AA	15-13	16"	22 - 24 lbs	62S-233-19AA	23-3	24"	10 - 14 lbs
62S-160-19AA	16-0	17"	3 - 5 lbs	62S-235-19AA	23-5	24"	14 - 19 lbs
62S-161-19AA	16-1	17"	5 - 8 lbs	62S-237-19AA	23-7	24"	19 - 25 lbs
62S-163-19AA	16-3	17"	8 - 12 lbs	62S-238-19AA	23-8	24"	25 - 30 lbs
62S-165-19AA	16-5	17"	12 - 14 lbs	62S-239-19AA	23-9	24"	30 - 34 lbs
62S-167-19AA	16-7	17"	14 - 16 lbs	62S-2311-19AA	23-11	24"	34 - 37 lbs
62S-169-19AA	16-9	17"	16 - 19 lbs	62S-240-19AA	24-0	25"	4 - 7 lbs
62S-1611-19AA	16-11	17"	19 - 22 lbs	62S-241-19AA	24-1	25"	7 - 11 lbs
62S-1613-19AA	16-13	17"	22 - 24 lbs	62S-243-19AA	24-3	25"	11 - 17 lbs
62S-1615-19AA	16-15	17"	24 - 28 lbs	62S-245-19AA	24-5	25"	17 - 24 lbs
62S-170-19AA	17-0	18"	3 - 5 lbs	62S-247-19AA	24-7	25"	24 - 30 lbs
62S-171-19AA	17-1	18"	5 - 8 lbs	62S-249-19AA	24-9	25"	30 - 34 lbs
62S-173-19AA	17-3	18"	8 - 12 lbs	62S-2411-19AA	24-11	25"	34 - 37 lbs
62S-175-19AA	17-5	18"	12 - 16 lbs	62S-250-19AA	25-0	26"	5 - 8 lbs
62S-177-19AA	17-7	18"	16 - 20 lbs	62S-251-19AA	25-1	26"	8 - 13 lbs
62S-179-19AA	17-9	18"	20 - 24 lbs	62S-253-19AA	25-3	26"	13 - 19 lbs

62S SERIES INVERTED TILT BALANCE

Our Part Number	Number Stamped On Balance	Length of Metal Channel	Sash Weight	Our Part Number	Number Stamped On Balance	Length of Metal Channel	Sash Weight
62S-255-19AA	25-5	26"	19 - 24 lbs	**62S-351-19AA**	35-1	36"	14 - 19 lbs
62S-257-19AA	25-7	26"	24 - 30 lbs	**62S-353-19AA**	35-3	36"	19 - 25 lbs
62S-259-19AA	25-9	26"	30 - 34 lbs	**62S-355-19AA**	35-5	36"	25 - 30 lbs
62S-2511-19AA	25-11	26"	34 - 38 lbs	**62S-357-19AA**	35-7	36"	30 - 34 lbs
62S-2513-19AA	25-13	26"	38 - 42 lbs	**62S-359-19AA**	35-9	36"	34 - 37 lbs
62S-260-19AA	26-0	27"	5 - 9 lbs	**62S-3511-19AA**	35-11	36"	37 - 40 lbs
62S-261-19AA	26-1	27"	9 - 12 lbs	**62S-3513-19AA**	35-13	36"	40 - 43 lbs
62S-263-19AA	26-3	27"	12 - 17 lbs	**62S-3515-19AA**	35-15	36"	43 - 45 lbs
62S-265-19AA	26-5	27"	17 - 23 lbs	**62S-360-19AA**	36-0	37"	9 - 14 lbs
62S-267-19AA	26-7	27"	23 - 30 lbs	**62S-361-19AA**	36-1	37"	14 - 19 lbs
62S-269-19AA	26-9	27"	30 - 34 lbs	**62S-363-19AA**	36-3	37"	19 - 25 lbs
62S-2611-19AA	26-11	27"	34 - 38 lbs	**62S-365-19AA**	36-5	37"	25 - 30 lbs
62S-2613-19AA	26-13	27"	38 - 42 lbs	**62S-367-19AA**	36-7	37"	30 - 34 lbs
62S-270-19AA	27-0	28"	6 - 10 lbs	**62S-369-19AA**	36-9	37"	34 - 37 lbs
62S-271-19AA	27-1	28"	10 - 14 lbs	**62S-3611-19AA**	36-11	37"	37 - 40 lbs
62S-273-19AA	27-3	28"	14 - 19 lbs	**62S-3613-19AA**	36-13	37"	40 - 43 lbs
62S-275-19AA	27-5	28"	19 - 24 lbs	**62S-3615-19AA**	36-15	37"	43 - 45 lbs
62S-277-19AA	27-7	28"	24 - 31 lbs	**62S-370-19AA**	37-0	38"	9 - 14 lbs
62S-279-19AA	27-9	28"	31 - 36 lbs	**62S-371-19AA**	37-1	38"	14 - 19 lbs
62S-2711-19AA	27-11	28"	36 - 40 lbs	**62S-373-19AA**	37-3	38"	19 - 25 lbs
62S-2713-19AA	27-13	28"	40 - 43 lbs	**62S-375-19AA**	37-5	38"	25 - 30 lbs
62S-280-19AA	28-0	29"	6 - 10 lbs	**62S-377-19AA**	37-7	38"	30 - 35 lbs
62S-281-19AA	28-1	29"	10 - 14 lbs	**62S-379-19AA**	37-9	38"	35 - 37 lbs
62S-283-19AA	28-3	29"	14 - 20 lbs	**62S-3711-19AA**	37-11	38"	37 - 40 lbs
62S-285-19AA	28-5	29"	20 - 27 lbs	**62S-3713-19AA**	37-13	38"	40 - 43 lbs
62S-287-19AA	28-7	29"	27 - 34 lbs	**62S-3715-19AA**	37-15	38"	43 - 45 lbs
62S-289-19AA	28-9	29"	34 - 36 lbs	**62S-380-19AA**	38-0	39"	9 - 14 lbs
62S-2811-19AA	28-11	29"	36 - 40 lbs	**62S-381-19AA**	38-1	39"	14 - 19 lbs
62S-2813-19AA	28-13	29"	40 - 43 lbs	**62S-383-19AA**	38-3	39"	19 - 25 lbs
62S-290-19AA	29-0	30"	6 - 10 lbs	**62S-385-19AA**	38-5	39"	25 - 30 lbs
62S-291-19AA	29-1	30"	10 - 14 lbs	**62S-387-19AA**	38-7	39"	30 - 35 lbs
62S-293-19AA	29-3	30"	14 - 21 lbs	**62S-389-19AA**	38-9	39"	35 - 37 lbs
62S-295-19AA	29-5	30"	21 - 27 lbs	**62S-3811-19AA**	38-11	39"	37 - 40 lbs
62S-297-19AA	29-7	30"	27 - 34 lbs	**62S-3813-19AA**	38-13	39"	40 - 43 lbs
62S-299-19AA	29-9	30"	34 - 37 lbs	**62S-3815-19AA**	38-15	39"	43 - 45 lbs
62S-2911-19AA	29-11	30"	37 - 40 lbs	**62S-390-19AA**	39-0	40"	9 - 14 lbs
62S-2913-19AA	29-13	30"	40 - 43 lbs	**62S-391-19AA**	39-1	40"	14 - 19 lbs
62S-300-19AA	30-0	31"	6 - 12 lbs	**62S-393-19AA**	39-3	40"	19 - 25 lbs
62S-301-19AA	30-1	31"	12 - 16 lbs	**62S-395-19AA**	39-5	40"	25 - 31 lbs
62S-303-19AA	30-3	31"	16 - 23 lbs	**62S-397-19AA**	39-7	40"	31 35 lbs
62S-305-19AA	30-5	31"	23 - 28 lbs	**62S-399-19AA**	39-9	40"	35 - 37 lbs
62S-307-19AA	30-7	31"	28 - 34 lbs	**62S-3911-19AA**	39-11	40"	37 - 40 lbs
62S-309-19AA	30-9	31"	34 - 37 lbs	**62S-3913-19AA**	39-13	40"	40 - 43 lbs
62S-3011-19AA	30-11	31"	37 - 40 lbs	**62S-3915-19AA**	39-15	40"	43 - 45 lbs
62S-3013-19AA	30-13	31"	40 - 43 lbs	**62S-400-19AA**	40-0	41"	9 - 14 lbs
62S-310-19AA	31-0	32"	7 - 13 lbs	**62S-401-19AA**	40-1	41"	14 - 19 lbs
62S-311-19AA	31-1	32"	13 - 17 lbs	**62S-403-19AA**	40-3	41"	19 - 25 lbs
62S-313-19AA	31-3	32"	17 - 23 lbs	**62S-405-19AA**	40-5	41"	25 - 31 lbs
62S-315-19AA	31-5	32"	23 - 28 lbs	**62S-407-19AA**	40-7	41"	31 - 35 lbs
62S-317-19AA	31-7	32"	28 - 34 lbs	**62S-409-19AA**	40-9	41"	35 - 40 lbs
62S-319-19AA	31-9	32"	34 - 37 lbs	**62S-4011-19AA**	40-11	41"	40 - 43 lbs
62S-3111-19AA	31-11	32"	37 - 40 lbs	**62S-4013-19AA**	40-13	41"	43 - 45 lbs
62S-3113-19AA	31-13	32"	40 - 43 lbs	**62S-410-19AA**	41-0	42"	9 - 14 lbs
62S-320-19AA	32-0	33"	7 - 13 lbs	**62S-411-19AA**	41-1	42"	14 - 19 lbs
62S-321-19AA	32-1	33"	13 - 18 lbs	**62S-413-19AA**	41-3	42"	19 - 25 lbs
62S-323-19AA	32-3	33"	18 - 24 lbs	**62S-415-19AA**	41-5	42"	25 - 31 lbs
62S-325-19AA	32-5	33"	24 - 29 lbs	**62S-417-19AA**	41-7	42"	31 - 36 lbs
62S-327-19AA	32-7	33"	29 - 34 lbs	**62S-419-19AA**	41-9	42"	36 - 40 lbs
62S-329-19AA	32-9	33"	34 - 37 lbs	**62S-4111-19AA**	41-11	42"	40 - 43 lbs
62S-3211-19AA	32-11	33"	37 - 40 lbs	**62S-4113-19AA**	41-13	42"	43 - 45 lbs
62S-3213-19AA	32-13	33"	40 - 43 lbs	**62S-420-19AA**	42-0	43"	9 - 14 lbs
62S-3215-19AA	32-15	33"	43 - 45 lbs	**62S-421-19AA**	42-1	43"	14 - 19 lbs
62S-330-19AA	33-0	34"	8 - 13 lbs	**62S-423-19AA**	42-3	43"	19 - 25 lbs
62S-331-19AA	33-1	34"	13 - 19 lbs	**62S-425-19AA**	42-5	43"	25 - 31 lbs
62S-333-19AA	33-3	34"	19 - 25 lbs	**62S-427-19AA**	42-7	43"	31 - 36 lbs
62S-335-19AA	33-5	34"	25 - 30 lbs	**62S-429-19AA**	42-9	43"	36 - 40 lbs
62S-337-19AA	33-7	34"	30 - 34 lbs	**62S-4211-19AA**	42-11	43"	40 - 43 lbs
62S-339-19AA	33-9	34"	34 - 37 lbs	**62S-4213-19AA**	42-13	43"	43 - 45 lbs
62S-3311-19AA	33-11	34"	37 - 40 lbs	**62S-430-19AA**	43-0	44"	9 - 14 lbs
62S-3313-19AA	33-13	34"	40 - 43 lbs	**62S-431-19AA**	43-1	44"	14 - 19 lbs
62S-3315-19AA	33-15	34"	43 - 45 lbs	**62S-433-19AA**	43-3	44"	19 - 25 lbs
62S-340-19AA	34-0	35"	8 - 14 lbs	**62S-435-19AA**	43-5	44"	25 - 31 lbs
62S-341-19AA	34-1	35"	14 - 19 lbs	**62S-437-19AA**	43-7	44"	31 - 37 lbs
62S-343-19AA	34-3	35"	19 - 25 lbs	**62S-439-19AA**	43-9	44"	37 - 42 lbs
62S-345-19AA	34-5	35"	25 - 30 lbs	**62S-440-19AA**	44-0	45"	9 - 14 lbs
62S-347-19AA	34-7	35"	30 - 34 lbs	**62S-441-19AA**	44-1	45"	14 - 19 lbs
62S-349-19AA	34-9	35"	34 - 37 lbs	**62S-443-19AA**	44-3	45"	19 - 25 lbs
62S-3411-19AA	34-11	35"	37 - 40 lbs	**62S-445-19AA**	44-5	45"	25 - 31 lbs
62S-3413-19AA	34-13	35"	40 - 43 lbs	**62S-447-19AA**	44-7	45"	31 - 37 lbs
62S-3415-19AA	34-15	35"	43 - 45 lbs	**62S-449-19AA**	44-9	45"	37 - 42 lbs
62S-350-19AA	35-0	36"	9 - 14 lbs				

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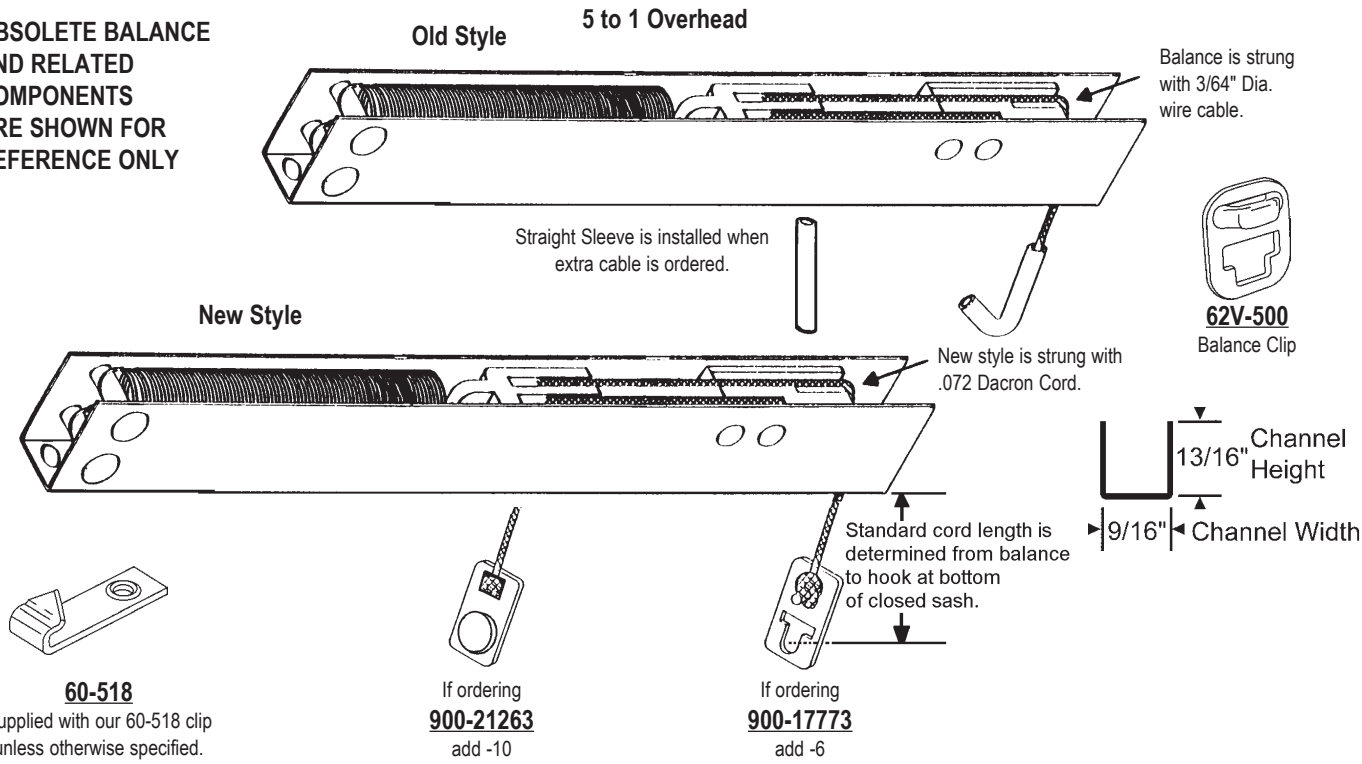
62V SERIES CHANNEL BALANCE (RUSCO)

OBSOLETE BALANCE AND RELATED COMPONENTS ARE SHOWN FOR REFERENCE ONLY



Ordering Information

1) Measure channel length.
2) Identify number stamped on balance.
3) Customer must determine how much cord hangs down from the balance when the window is closed. If more cord than the standard lengths shown is required, specify number of extra inches required when ordering by adding a plus sign (+) followed by number of extra inches needed.
4) Determine the clip to be attached to balance. If ordering with our 900-17773 attached, add -6 after our part number.

(e.g. If ordering a 153-D balance with our 900-17773 clip attached and 40" of cord is required, the part number would be 62V-153D+10-6.)

General Information

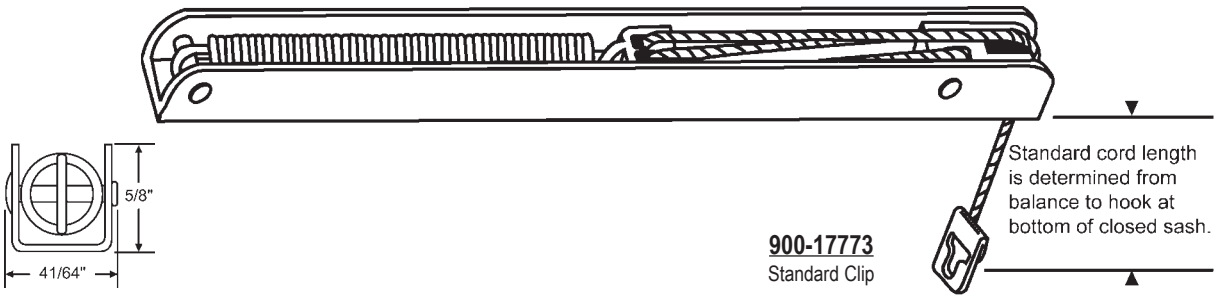
1) Balances are supplied with either one or two springs. If the number stamped on your balance is followed by the letter "D" it denotes a double spring.

Note: Minimum order required for this series.
Must order minimum of four (4) of the same size balance.

Length of Metal Channel	Number Stamped on Balance	Our Part Number		Weight Range (2 Balances)
13-1/4"	112	**62V-112**	Standard extended cord length from balance 20"	4 to 10 lbs.
13-1/4"	112	**62V-112+**	(Specify extra inches of cord required)	
13-1/4"	112-D	**62V-112D**	Standard extended cord length from balance 20"	10 to 18 lbs.
13-1/4"	112-D	**62V-112D+**	(Specify extra inches of cord required)	
16-1/4"	122	**62V-122**	Standard extended cord length from balance 25"	6 to 12 lbs.
16-1/4"	122	**62V-122+**	(Specify extra inches of cord required)	
16-1/4"	122-D	**62V-122D**	Standard extended cord length from balance 25"	12 to 22 lbs.
16-1/4"	122-D	**62V-122D+**	(Specify extra inches of cord required)	
19-3/4"	153	**62V-153**	Standard extended cord length from balance 30"	8 to 16 lbs.
19-3/4"	153	**62V-153+**	(Specify extra inches of cord required)	
19-3/4"	153-D	**62V-153D**	Standard extended cord length from balance 30"	16 to 28 lbs.
19-3/4"	153-D	**62V-153D+**	(Specify extra inches of cord required)	
23-3/4"	163	**62V-163**	Standard extended cord length from balance 36"	10 to 18 lbs.
23-3/4"	163	**62V-163+**	(Specify extra inches of cord required)	
23-3/4"	163-D	**62V-163D**	Standard extended cord length from balance 36"	18 to 32 lbs.
23-3/4"	163-D	**62V-163D+**	(Specify extra inches of cord required)	
28-1/4"	183	**62V-183**	Standard extended cord length from balance 40"	10 to 16 lbs.
28-1/4"	183	**62V-183+**	(Specify extra inches of cord required)	
28-1/4"	183-D	**62V-183D**	Standard extended cord length from balance 40"	16 to 34 lbs.
28-1/4"	183-D	**62V-183D+**	(Specify extra inches of cord required)	

Please contact account manager for pricing.

62W SERIES OVERHEAD BALANCES



900-17773
Standard Clip

Ordering Information

1) Measure metal channel length.
2) Identify number stamped on balance.
3) Select our corresponding part number from the chart below and order accordingly.
4) Standard clip shown will be attached unless otherwise specified.

Note: If your balance is stamped with the letters "DBS", refer to our DS balances, since their manufacturing specifications are the same.

General Information

1) If cord lengths are different from the standard lengths shown, a plus sign (+) and the extra number of inches should be added after the part number.
2) Determine the balance clip to be attached and order accordingly: standard, 60-518 or 900-18354.

Example Ordering Chart

Channel Length	Number Stamped	Part Number	Extra Cord (In Inches)	End Attached	Complete Part Number
15-1/4"	122	**62W-122**	10"	-5	**62W-122+10-5**
19-1/4"	152	**62W-152**	--	-1	**62W-152-1**

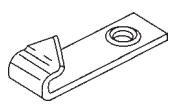
Length of Metal Channel	Number Stamped on Balance	Our Part Number		Sash Weight Per Pair
12-3/4"	111	**62W-111**	Standard Cord 20" with standard clip attached	4- 7 lbs.
12-3/4"	111	**62W-111+**	(Specify extra inches of cord length)	4- 7 lbs.
12-3/4"	112	**62W-112**	Standard Cord 20" with standard clip attached	7-11 lbs.
12-3/4"	112	**62W-112+**	(Specify extra inches of cord length)	7-11 lbs.
15-1/4"	121	**62W-121**	Standard Cord 25" with standard clip attached	4-8 lbs.
15-1/4"	121	**62W-121+**	(Specify extra inches of cord length)	4-8 lbs.
15-1/4"	122	**62W-122**	Standard Cord 25" with standard clip attached	8-12 lbs.
15-1/4"	122	**62W-122+**	(Specify extra inches of cord length)	8-12 lbs.
15-1/4"	122DS	**62W-122DS***	Standard Cord 32" with standard clip attached	-
15-1/4"	122DS	**62W-122DS+ ***	(Specify extra inches of cord length)	-
19-1/4"	151	**62W-151**	Standard Cord 33" with standard clip attached	5-9 lbs.
19-1/4"	151	**62W-151+**	(Specify extra inches of cord length)	5-9 lbs.
19-1/4"	152	**62W-152**	Standard Cord 33" with standard clip attached	9-13 lbs.
19-1/4"	152	**62W-152+**	(Specify extra inches of cord length)	9-13 lbs.
19-1/4"	153	**62W-153**	Standard Cord 33" with standard clip attached	13-16 lbs.
19-1/4"	153	**62W-153+**	(Specify extra inches of cord length)	13-16 lbs.
19-1/4"	153HD	**62W-153HD**	Standard Cord 30" with standard clip attached	16-18 lbs.
19-1/4"	153HD	**62W-153HD+**	(Specify extra inches of cord length)	16-18 lbs.
23-1/4"	162	**62W-162**	Standard Cord 36" with standard clip attached	9-14 lbs.
23-1/4"	162	**62W-162+**	(Specify extra inches of cord length)	9-14 lbs.
23-1/4"	163	**62W-163**	Standard Cord 36" with standard clip attached	13-16 lbs.
23-1/4"	163	**62W-163+**	(Specify extra inches of cord length)	13-16 lbs.
23-1/4"	163HD	**62W-163HD**	Standard Cord 36" with standard clip attached	15-17 lbs.
23-1/4"	163HD	**62W-163HD+**	(Specify extra inches of cord length)	15-17 lbs.
25"	24DS	**62W-24DS***	Standard Cord 36" with standard clip attached	-
25"	24DS	**62W-24DS+***	(Specify extra inches of cord length)	-
27-1/4"	183	**62W-183**	Standard Cord 40" with standard clip attached	17-20 lbs.
27-1/4"	183	**62W-183+**	(Specify extra inches of cord length)	17-20 lbs.
27-1/4"	183HD	**62W-183HD**	Standard Cord 36" with standard clip attached	24-27 lbs.
27-1/4"	183HD	**62W-183HD+**	(Specify extra inches of cord length)	24-27 lbs.
29"	28DS	**62W-28DS***	Standard Cord 36" with standard clip attached	-
29"	28DS	**62W-28DS+***	(Specify extra inches of cord length)	-
31"	30DS	**62W-30DS***	Standard Cord 36" with standard clip attached	-
31"	30DS	**62W-30DS+***	(Specify extra inches of cord length)	-
34"	33DS	**62W-33DS***	Standard Cord 38" with standard clip attached	-
34"	33DS	**62W-33DS+***	(Specify extra inches of cord length)	-
36"	35DS	**62W-35DS***	Standard Cord 36" with standard clip attached	-
36"	35DS	**62W-35DS+***	(Specify extra inches of cord length)	-

***Note:** When ordering balances where the number stamped on balance ends with DS (example 24DS) you need to specify the exact sash weight within the range listed on the chart.

END BRACKETS

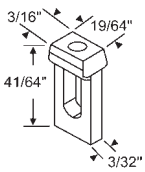
Add suffix to complete part number.

-1

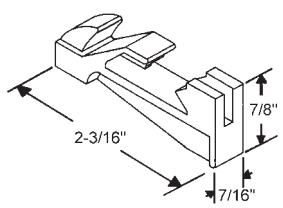


60-518
If ordering with our optional 60-518 clip attached, please add **"-1"** after the part number.

-5



900-18354
If ordering with our optional 900-18354 clip attached, please add **"-5"** after the part number.



62W-500
Black
Primarily used on West Coast by International and other manufacturers.
Must be ordered separately.

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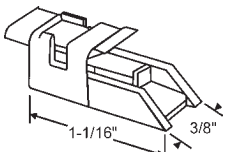
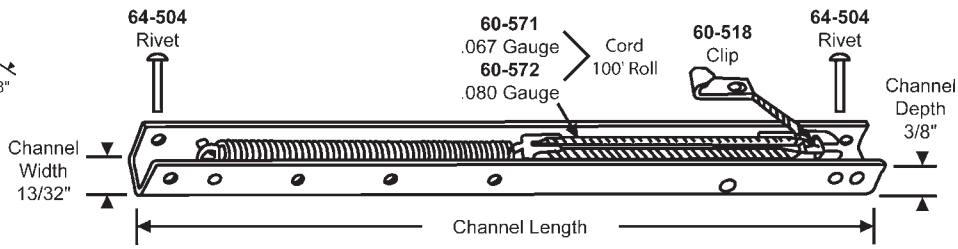
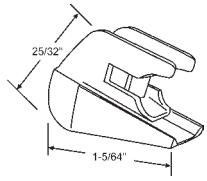
64 SERIES CHANNEL BALANCES

3/8" CHANNEL BALANCE
NON-TILT



64-500
BINNINGS





64-501
BINNINGS

Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Number Stamped on Balance	Sash Weight	Our Part Number	Number Stamped on Balance	Sash Weight	Our Part Number
10"	9A		**64-091**				9C		**64-093**
11"	10A	2 through 5	**64-101**	10B	4 through 7	**64-102**	10C	8 through 12	**64-103**
12"	11A	3 through 6	**64-111**	11B	7 through 9	**64-112**	11C	10 through 12	**64-113**
13"	12A	3 through 7	**64-121**	12B	8 through 12	**64-122**	12C	13 through 15	**64-123**
14"	13A	3 through 7	**64-131**	13B	8 through 12	**64-132**	13C	13 through 15	**64-133**
15"	14A	3 through 7	**64-141**	14B	8 through 12	**64-142**	14C	13 through 16	**64-143**
16"	15A	3 through 7	**64-151**	15B	8 through 12	**64-152**	15C	13 through 16	**64-153**
17"	16A	3 through 7	**64-161**	16B	8 through 12	**64-162**	16C	13 through 18	**64-163**
18"	17A	3 through 7	**64-171**	17B	8 through 12	**64-172**	17C	13 through 18	**64-173**
19"	18A	4 through 8	**64-181**	18B	9 through 12	**64-182**	18C	13 through 18	**64-183**
20"	19A	4 through 8	**64-191**	19B	9 through 12	**64-192**	19C	13 through 18	**64-193**
21"	20A	4 through 8	**64-201**	20B	9 through 13	**64-202**	20C	14 through 18	**64-203**
22"	21A	4 through 8	**64-211**	21B	9 through 13	**64-212**	21C	14 through 18	**64-213**
23"	22A	4 through 8	**64-221**	22B	9 through 12	**64-222**	22C	13 through 18	**64-223**
24"	23A	4 through 8	**64-231**	23B	9 through 13	**64-232**	23C	14 through 20	**64-233**
25"	24A	4 through 8	**64-241**	24B	9 through 13	**64-242**	24C	14 through 23	**64-243**
26"	25A	4 through 8	**64-251**	25B	9 through 14	**64-252**	25C	15 through 23	**64-253**
27"	26A	4 through 8	**64-261**	26B	9 through 14	**64-262**	26C	15 through 23	**64-263**
28"	27A	4 through 8	**64-271**	27B	9 through 14	**64-272**	27C	15 through 23	**64-273**
29"	28A	4 through 8	**64-281**	28B	9 through 14	**64-282**	28C	15 through 23	**64-283**
30"	29A	4 through 8	**64-291**	29B	9 through 14	**64-292**	29C	15 through 23	**64-293**
31"	30A	4 through 8	**64-301**	30B	9 through 14	**64-302**	30C	15 through 23	**64-303**
32"	31A	4 through 8	**64-311**	31B	9 through 14	**64-312**	31C	15 through 23	**64-313**
33"	32A	4 through 8	**64-321**	32B	9 through 14	**64-322**	32C	15 through 23	**64-323**
34"	33A	4 through 8	**64-331**	33B	9 through 14	**64-332**	33C	15 through 23	**64-333**
35"	34A	4 through 8	**64-341**	34B	9 through 14	**64-342**	34C	15 through 23	**64-343**
36"	35A	4 through 8	**64-351**	35B	9 through 14	**64-352**	35C	15 through 23	**64-353**
37"	36A	4 through 8	**64-361**	36B	9 through 14	**64-362**	36C	15 through 23	**64-363**
38"	37A	4 through 8	**64-371**	37B	9 through 14	**64-372**	37C	15 through 23	**64-373**

Ordering Information

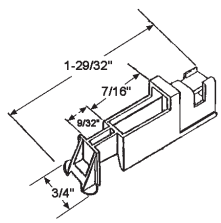
1) Measure metal channel length (do not include plastic ends).
2) Identify number stamped on channel. (e.g. 19A, 22B, 28C, etc.)
3) Select our corresponding part number from the chart below.
4) Identify the top and bottom ends to be attached.

Note: Top and bottom balance ends must be ordered separately. If you want ends attached, add the letter "A" to the suffix of the part number when ordering.

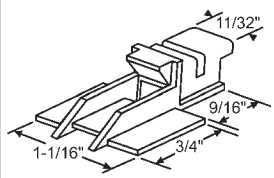
Popular in Southeast; primarily used by Binnings and Moss.

64 SERIES BALANCES ACCESSORIES

TOP BRACKETS

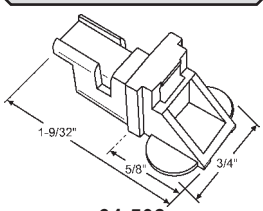


900-15469
LAWSON



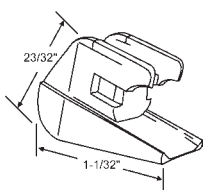
64-506

TOP BRACKETS



64-508
ATRIUM

BOTTOM BRACKETS



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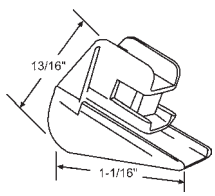

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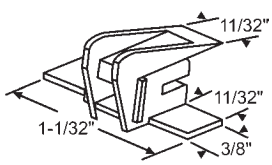
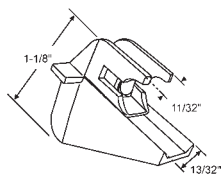
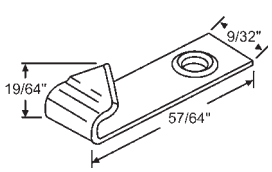


64-505



900-15468
LAWSON

BALANCE CLIP

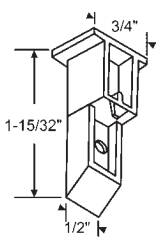


60-518

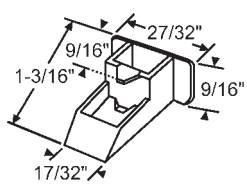
RIVET

64-504
3/32" Diameter 13/32" Length

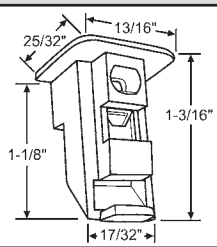
SASH GUIDES



Part #	Color
64-600	White

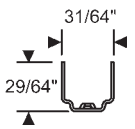


64-602
White



Part #	Color
64-601	White
64-601B	Black

64-841 SERIES RIBBED INVERTED TILT BALANCES



Ordering Information

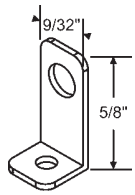
1. Measure metal channel length. (Do not include attached clip and T-Lock.)
2. Check number stamped on balance.
3. Select our corresponding part number from the chart below.
4. Select clip from list and add suffix to end of part number
5. Select the appropriate T-Lock from list and add suffix to end of part number

Example Ordering Chart

Channel Length	Number Stamped on Balance	Our Part Number	Clip Attached	Tilt Lock Attached	Complete Part Number
24"	24A	**64-841-24A**	60-651	64-50000	**64-841-24A-19Q**

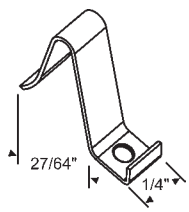
Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number
8"	8A	4 - 6	**64-841-8A**	22"	22B	11 - 17	**64-841-22B**	32"	32F	33 - 36	**64-841-32F**
8"	8B	6 - 8	**64-841-8B**	22"	22C	17 - 21	**64-841-22C**	33"	33A	15 - 19	**64-841-33A**
8"	8C	8 - 10	**64-841-8C**	22"	22D	21 - 25	**64-841-22D**	33"	33B	19 - 23	**64-841-33B**
9"	9A	5 - 7	**64-841-9A**	22"	22E	25 - 28	**64-841-22E**	33"	33C	23 - 26	**64-841-33C**
9"	9B	7 - 9	**64-841-9B**	23"	23A	5 - 11	**64-841-23A**	33"	33D	26 - 30	**64-841-33D**
9"	9C	9 - 11	**64-841-9C**	23"	23B	11 - 17	**64-841-23B**	33"	33E	30 - 33	**64-841-33E**
10"	10A	5 - 8	**64-841-10A**	23"	23C	17 - 21	**64-841-23C**	33"	33F	33 - 36	**64-841-33F**
10"	10B	8 - 11	**64-841-10B**	23"	23D	21 - 25	**64-841-23D**	34"	34A	16 - 21	**64-841-34A**
10"	10C	11 - 14	**64-841-10C**	23"	23E	25 - 28	**64-841-23E**	34"	34B	21 - 25	**64-841-34B**
11"	11A	5 - 9	**64-841-11A**	24"	24A	5 - 13	**64-841-24A**	34"	34C	25 - 26	**64-841-34C**
11"	11B	9 - 13	**64-841-11B**	24"	24B	13 - 18	**64-841-24B**	34"	34D	26 - 30	**64-841-34D**
11"	11C	13 - 16	**64-841-11C**	24"	24C	18 - 22	**64-841-24C**	34"	34E	30 - 34	**64-841-34E**
12"	12A	5 - 9	**64-841-12A**	24"	24D	22 - 26	**64-841-24D**	34"	34F	34 - 36	**64-841-34F**
12"	12B	9 - 13	**64-841-12B**	24"	24E	26 - 29	**64-841-24E**	35"	35A	18 - 21	**64-841-35A**
12"	12C	13 - 16	**64-841-12C**	25"	25A	5 - 13	**64-841-25A**	35"	35B	21 - 24	**64-841-35B**
13"	13A	5 - 9	**64-841-13A**	25"	25B	13 - 19	**64-841-25B**	35"	35C	24 - 26	**64-841-35C**
13"	13B	9 - 13	**64-841-13B**	25"	25C	19 - 23	**64-841-25C**	35"	35D	26 - 30	**64-841-35D**
13"	13C	13 - 16	**64-841-13C**	25"	25D	23 - 27	**64-841-25D**	35"	35E	30 - 34	**64-841-35E**
13"	13D	16 - 18	**64-841-13D**	25"	25E	27 - 30	**64-841-25E**	36"	36A	18 - 21	**64-841-36A**
14"	14A	5 - 9	**64-841-14A**	26"	26A	6 - 14	**64-841-26A**	36"	36B	21 - 24	**64-841-36B**
14"	14B	9 - 13	**64-841-14B**	26"	26B	14 - 19	**64-841-26B**	36"	36C	24 - 26	**64-841-36C**
14"	14C	13 - 16	**64-841-14C**	26"	26C	19 - 23	**64-841-26C**	36"	36D	26 - 30	**64-841-36D**
14"	14D	16 - 18	**64-841-14D**	26"	26D	23 - 28	**64-841-26D**	37"	37A	18 - 21	**64-841-37A**
15"	15A	5 - 9	**64-841-15A**	26"	26E	28 - 31	**64-841-26E**	37"	37B	21 - 24	**64-841-37B**
15"	15B	9 - 13	**64-841-15B**	27"	27A	7 - 14	**64-841-27A**	37"	37C	24 - 26	**64-841-37C**
15"	15C	13 - 16	**64-841-15C**	27"	27B	14 - 20	**64-841-27B**	37"	37D	26 - 30	**64-841-37D**
15"	15D	16 - 18	**64-841-15D**	27"	27C	20 - 24	**64-841-27C**	38"	38A	18 - 21	**64-841-38A**
16"	16A	5 - 9	**64-841-16A**	27"	27D	24 - 28	**64-841-27D**	38"	38B	21 - 24	**64-841-38B**
16"	16B	9 - 14	**64-841-16B**	27"	27E	28 - 30	**64-841-27E**	38"	38C	24 - 26	**64-841-38C**
16"	16C	14 - 17	**64-841-16C**	28"	28A	8 - 14	**64-841-28A**	38"	38D	26 - 30	**64-841-38D**
16"	16D	17 - 20	**64-841-16D**	28"	28B	14 - 20	**64-841-28B**	39"	39A	18 - 21	**64-841-39A**
17"	17A	4 - 9	**64-841-17A**	28"	28C	20 - 23	**64-841-28C**	39"	39B	21 - 24	**64-841-39B**
17"	17B	9 - 14	**64-841-17B**	28"	28D	23 - 28	**64-841-28D**	39"	39C	24 - 26	**64-841-39C**
17"	17C	14 - 18	**64-841-17C**	28"	28E	28 - 30	**64-841-28E**	39"	39D	26 - 28	**64-841-39D**
17"	17D	18 - 20	**64-841-17D**	28"	28F	30 - 34	**64-841-28F**	40"	40A	18 - 21	**64-841-40A**
18"	18A	4 - 9	**64-841-18A**	29"	29A	9 - 15	**64-841-29A**	40"	40B	21 - 24	**64-841-40B**
18"	18B	9 - 15	**64-841-18B**	29"	29B	15 - 21	**64-841-29B**	40"	40C	24 - 26	**64-841-40C**
18"	18C	15 - 18	**64-841-18C**	29"	29C	21 - 26	**64-841-29C**	40"	40D	26 - 28	**64-841-40D**
18"	18D	18 - 20	**64-841-18D**	29"	29D	26 - 30	**64-841-29D**	41"	41A	18 - 21	**64-841-41A**
18"	18E	20 - 22	**64-841-18E**	29"	29E	30 - 33	**64-841-29E**	41"	41B	21 - 24	**64-841-41B**
19"	19A	3 - 9	**64-841-19A**	30"	30A	13 - 18	**64-841-30A**	41"	41C	24 - 26	**64-841-41C**
19"	19B	9 - 15	**64-841-19B**	30"	30B	18 - 23	**64-841-30B**	41"	41D	26 - 28	**64-841-41D**
19"	19C	15 - 18	**64-841-19C**	30"	30C	23 - 26	**64-841-30C**	42"	42A	18 - 21	**64-841-42A**
19"	19D	18 - 20	**64-841-19D**	30"	30D	26 - 30	**64-841-30D**	42"	42B	21 - 24	**64-841-42B**
19"	19E	20 - 22	**64-841-19E**	30"	30E	30 - 33	**64-841-30E**	42"	42C	24 - 26	**64-841-42C**
20"	20A	4 - 10	**64-841-20A**	30"	30F	33 - 35	**64-841-30F**	42"	42D	26 - 28	**64-841-42D**
20"	20B	10 - 16	**64-841-20B**	31"	31A	13 - 18	**64-841-31A**	43"	43A	18 - 21	**64-841-43A**
20"	20C	16 - 19	**64-841-20C**	31"	31B	18 - 23	**64-841-31B**	43"	43B	21 - 24	**64-841-43B**
20"	20D	19 - 22	**64-841-20D**	31"	31C	23 - 26	**64-841-31C**	43"	43C	24 - 26	**64-841-43C**
20"	20E	22 - 25	**64-841-20E**	31"	31D	26 - 30	**64-841-31D**	43"	43D	26 - 28	**64-841-43D**
21"	21A	4 - 10	**64-841-21A**	31"	31E	30 - 33	**64-841-31E**	44"	44A	18 - 21	**64-841-44A**
21"	21B	10 - 16	**64-841-21B**	32"	32A	15 - 20	**64-841-32A**	44"	44B	21 - 24	**64-841-44B**
21"	21C	16 - 20	**64-841-21C**	32"	32B	20 - 24	**64-841-32B**	44"	44C	24 - 26	**64-841-44C**
21"	21D	20 - 24	**64-841-21D**	32"	32C	24 - 27	**64-841-32C**	44"	44D	26 - 28	**64-841-44D**
21"	21E	24 - 27	**64-841-21E**	32"	32D	27 - 30	**64-841-32D**				
22"	22A	5 - 11	**64-841-22A**	32"	32E	30 - 33	**64-841-32E**				

Suffix -19



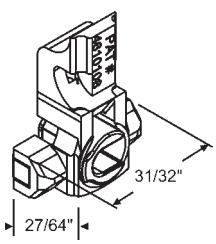
60-951
Clip

Suffix -34



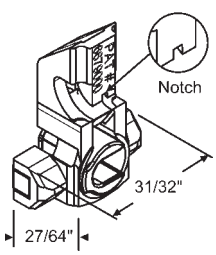
60-950
Clip

Suffix -Q



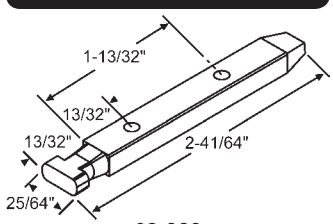
64-50000
T-Lock. Beige

Suffix -AZ



64-50001
T-Lock. Black

PIVOT BAR



62-828
Zinc

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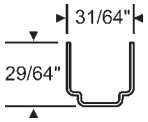
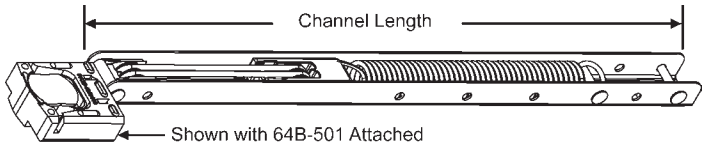
64B SERIES RIBBED TILT CHANNEL BALANCES





Ordering Information

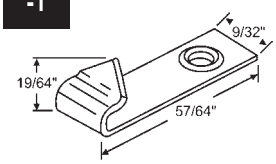
1. Measure metal channel balance length. (Do not include any attachments.)
2. Identify number stamped on channel. (e.g. 21A, 24B, etc.)
3. Select our corresponding part number from the chart below.
4. Identify the appropriate end to be attached from list and add the appropriate suffix. (e.g. -1, -5, -22)
5. If white balance is needed add "W" to end of part number

Example Ordering Chart

Length of Metal Channel	Number Stamped on Balance	Our Part Number	End Clip Combination	Color	Complete Part Number
21"	21A	**64B-21A**	-1	White	**64B-21A-1W**
24"	24B	**64B-24B**	-1	Mill	**64B-21A-1**

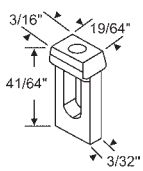
Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number
8"	8A	4 - 6	**64B-8A**	22"	22B	11 - 17	**64B-22B**	32"	32F	33 - 36	**64B-32F**
8"	8B	6 - 8	**64B-8B**	22"	22C	17 - 21	**64B-22C**	33"	33A	15 - 19	**64B-33A**
8"	8C	8 - 10	**64B-8C**	22"	22D	21 - 25	**64B-22D**	33"	33B	19 - 23	**64B-33B**
9"	9A	5 - 7	**64B-9A**	22"	22E	25 - 28	**64B-22E**	33"	33C	23 - 26	**64B-33C**
9"	9B	7 - 9	**64B-9B**	23"	23A	5 - 11	**64B-23A**	33"	33D	26 - 30	**64B-33D**
9"	9C	9 - 11	**64B-9C**	23"	23B	11 - 17	**64B-23B**	33"	33E	30 - 33	**64B-33E**
10"	10A	5 - 8	**64B-10A**	23"	23C	17 - 21	**64B-23C**	33"	33F	33 - 36	**64B-33F**
10"	10B	8 - 11	**64B-10B**	23"	23D	21 - 25	**64B-23D**	34"	34A	16 - 21	**64B-34A**
10"	10C	11 - 14	**64B-10C**	23"	23E	25 - 28	**64B-23E**	34"	34B	21 - 25	**64B-34B**
11"	11A	5 - 9	**64B-11A**	24"	24A	5 - 13	**64B-24A**	34"	34C	25 - 26	**64B-34C**
11"	11B	9 - 13	**64B-11B**	24"	24B	13 - 18	**64B-24B**	34"	34D	26 - 30	**64B-34D**
11"	11C	13 - 16	**64B-11C**	24"	24C	18 - 22	**64B-24C**	34"	34E	30 - 34	**64B-34E**
12"	12A	5 - 9	**64B-12A**	24"	24D	22 - 26	**64B-24D**	34"	34F	34 - 36	**64B-34F**
12"	12B	9 - 13	**64B-12B**	24"	24E	26 - 29	**64B-24E**	35"	35A	18 - 21	**64B-35A**
12"	12C	13 - 16	**64B-12C**	25"	25A	5 - 13	**64B-25A**	35"	35B	21 - 24	**64B-35B**
13"	13A	5 - 9	**64B-13A**	25"	25B	13 - 19	**64B-25B**	35"	35C	24 - 26	**64B-35C**
13"	13B	9 - 13	**64B-13B**	25"	25C	19 - 23	**64B-25C**	35"	35D	26 - 30	**64B-35D**
13"	13C	13 - 16	**64B-13C**	25"	25D	23 - 27	**64B-25D**	35"	35E	30 - 34	**64B-35E**
13"	13D	16 - 18	**64B-13D**	25"	25E	27 - 30	**64B-25E**	36"	36A	18 - 21	**64B-36A**
14"	14A	5 - 9	**64B-14A**	26"	26A	6 - 14	**64B-26A**	36"	36B	21 - 24	**64B-36B**
14"	14B	9 - 13	**64B-14B**	26"	26B	14 - 19	**64B-26B**	36"	36C	24 - 26	**64B-36C**
14"	14C	13 - 16	**64B-14C**	26"	26C	19 - 23	**64B-26C**	36"	36D	26 - 30	**64B-36D**
14"	14D	16 - 18	**64B-14D**	26"	26D	23 - 28	**64B-26D**	37"	37A	18 - 21	**64B-37A**
15"	15A	5 - 9	**64B-15A**	26"	26E	28 - 31	**64B-26E**	37"	37B	21 - 24	**64B-37B**
15"	15B	9 - 13	**64B-15B**	27"	27A	7 - 14	**64B-27A**	37"	37C	24 - 26	**64B-37C**
15"	15C	13 - 16	**64B-15C**	27"	27B	14 - 20	**64B-27B**	37"	37D	26 - 30	**64B-37D**
15"	15D	16 - 18	**64B-15D**	27"	27C	20 - 24	**64B-27C**	38"	38A	18 - 21	**64B-38A**
16"	16A	5 - 9	**64B-16A**	27"	27D	24 - 28	**64B-27D**	38"	38B	21 - 24	**64B-38B**
16"	16B	9 - 14	**64B-16B**	27"	27E	28 - 30	**64B-27E**	38"	38C	24 - 26	**64B-38C**
16"	16C	14 - 17	**64B-16C**	28"	28A	8 - 14	**64B-28A**	38"	38D	26 - 30	**64B-38D**
16"	16D	17 - 20	**64B-16D**	28"	28B	14 - 20	**64B-28B**	39"	39A	18 - 21	**64B-39A**
17"	17A	4 - 9	**64B-17A**	28"	28C	20 - 23	**64B-28C**	39"	39B	21 - 24	**64B-39B**
17"	17B	9 - 14	**64B-17B**	28"	28D	23 - 28	**64B-28D**	39"	39C	24 - 26	**64B-39C**
17"	17C	14 - 18	**64B-17C**	28"	28E	28 - 30	**64B-28E**	39"	39D	26 - 28	**64B-39D**
17"	17D	18 - 20	**64B-17D**	28"	28F	30 - 34	**64B-28F**	40"	40A	18 - 21	**64B-40A**
18"	18A	4 - 9	**64B-18A**	29"	29A	9 - 15	**64B-29A**	40"	40B	21 - 24	**64B-40B**
18"	18B	9 - 15	**64B-18B**	29"	29B	15 - 21	**64B-29B**	40"	40C	24 - 26	**64B-40C**
18"	18C	15 - 18	**64B-18C**	29"	29C	21 - 26	**64B-29C**	40"	40D	26 - 28	**64B-40D**
18"	18D	18 - 20	**64B-18D**	29"	29D	26 - 30	**64B-29D**	41"	41A	18 - 21	**64B-41A**
18"	18E	20 - 22	**64B-18E**	29"	29E	30 - 33	**64B-29E**	41"	41B	21 - 24	**64B-41B**
19"	19A	3 - 9	**64B-19A**	30"	30A	13 - 18	**64B-30A**	41"	41C	24 - 26	**64B-41C**
19"	19B	9 - 15	**64B-19B**	30"	30B	18 - 23	**64B-30B**	41"	41D	26 - 28	**64B-41D**
19"	19C	15 - 18	**64B-19C**	30"	30C	23 - 26	**64B-30C**	42"	42A	18 - 21	**64B-42A**
19"	19D	18 - 20	**64B-19D**	30"	30D	26 - 30	**64B-30D**	42"	42B	21 - 24	**64B-42B**
19"	19E	20 - 22	**64B-19E**	30"	30E	30 - 33	**64B-30E**	42"	42C	24 - 26	**64B-42C**
20"	20A	4 - 10	**64B-20A**	30"	30F	33 - 35	**64B-30F**	42"	42D	26 - 28	**64B-42D**
20"	20B	10 - 16	**64B-20B**	31"	31A	13 - 18	**64B-31A**	43"	43A	18 - 21	**64B-43A**
20"	20C	16 - 19	**64B-20C**	31"	31B	18 - 23	**64B-31B**	43"	43B	21 - 24	**64B-43B**
20"	20D	19 - 22	**64B-20D**	31"	31C	23 - 26	**64B-31C**	43"	43C	24 - 26	**64B-43C**
20"	20E	22 - 25	**64B-20E**	31"	31D	26 - 30	**64B-31D**	43"	43D	26 - 28	**64B-43D**
21"	21A	4 - 10	**64B-21A**	31"	31E	30 - 33	**64B-31E**	44"	44A	18 - 21	**64B-44A**
21"	21B	10 - 16	**64B-21B**	32"	32A	15 - 20	**64B-32A**	44"	44B	21 - 24	**64B-44B**
21"	21C	16 - 20	**64B-21C**	32"	32B	20 - 24	**64B-32B**	44"	44C	24 - 26	**64B-44C**
21"	21D	20 - 24	**64B-21D**	32"	32C	24 - 27	**64B-32C**	44"	44D	26 - 28	**64B-44D**
21"	21E	24 - 27	**64B-21E**	32"	32D	27 - 30	**64B-32D**				
22"	22A	5 - 11	**64B-22A**	32"	32E	30 - 33	**64B-32E**				

-1



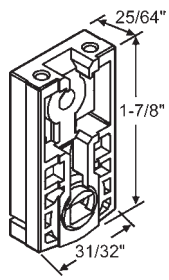
60-518

-5



900-18354

-BC

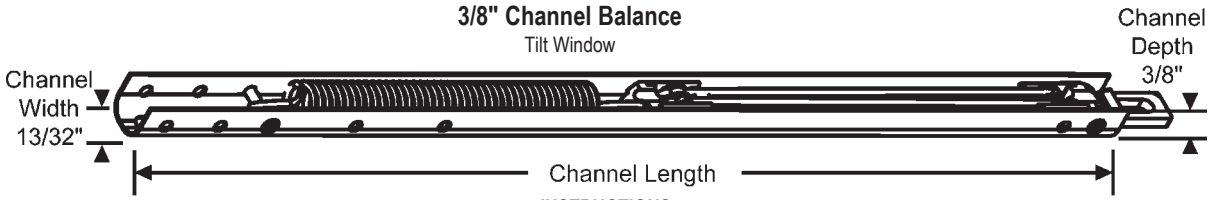


64T-506

64T SERIES CHANNEL BALANCE

3/8" Channel Balance

Tilt Window

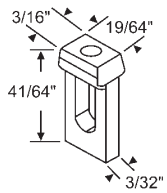


INSTRUCTIONS

1. Measure metal channel length (do not include attached clip)
2. Check number stamped on balance
3. Select our corresponding part number from chart below
4. Identify appropriate end to be attached from list and add appropriate suffix (eg: -5, -BC)
5. Select related accessories (see bottom of page)

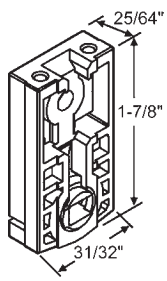
Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number	Length of Metal Channel	Number Stamped on Balance	Sash Weight	Our Part Number
11"	10A	2 - 4 lbs	**64T-101**	26"	25A	4 - 8 lbs	**64T-251**
11"	10B	4 - 7 lbs	**64T-102**	26"	25B	8 - 14 lbs	**64T-252**
11"	10C	7 - 12 lbs	**64T-103**	26"	25C	14 - 20 lbs	**64T-253**
12"	11A	3 - 6 lbs	**64T-111**	27"	26A	4 - 8 lbs	**64T-261**
12"	11B	6 - 9 lbs	**64T-112**	27"	26B	8 - 14 lbs	**64T-262**
12"	11C	9 - 12 lbs	**64T-113**	27"	26C	14 - 20 lbs	**64T-263**
13"	12A	3 - 7 lbs	**64T-121**	28"	27A	4 - 8 lbs	**64T-271**
13"	12B	7 - 12 lbs	**64T-122**	28"	27B	8 - 14 lbs	**64T-272**
13"	12C	12 - 15 lbs	**64T-123**	28"	27C	14 - 20 lbs	**64T-273**
14"	13A	3 - 7 lbs	**64T-131**	29"	28A	4 - 8 lbs	**64T-281**
14"	13B	7 - 12 lbs	**64T-132**	29"	28B	8 - 14 lbs	**64T-282**
14"	13C	12 - 15 lbs	**64T-133**	29"	28C	14 - 20 lbs	**64T-283**
15"	14A	3 - 7 lbs	**64T-141**	30"	29A	4 - 8 lbs	**64T-291**
15"	14B	7 - 12 lbs	**64T-142**	30"	29B	8 - 14 lbs	**64T-292**
15"	14C	12 - 16 lbs	**64T-143**	30"	29C	14 - 20 lbs	**64T-293**
16"	15A	3 - 7 lbs	**64T-151**	31"	30A	4 - 8 lbs	**64T-301**
16"	15B	7 - 12 lbs	**64T-152**	31"	30B	8 - 14 lbs	**64T-302**
16"	15C	12 - 16 lbs	**64T-153**	31"	30C	14 - 20 lbs	**64T-303**
17"	16A	3 - 7 lbs	**64T-161**	32"	31A	4 - 8 lbs	**64T-311**
17"	16B	7 - 12 lbs	**64T-162**	32"	31B	8 - 14 lbs	**64T-312**
17"	16C	12 - 18 lbs	**64T-163**	32"	31C	14 - 20 lbs	**64T-313**
18"	17A	3 - 7 lbs	**64T-171**	33"	32A	4 - 8 lbs	**64T-321**
18"	17B	7 - 12 lbs	**64T-172**	33"	32B	8 - 14 lbs	**64T-322**
18"	17C	12 - 18 lbs	**64T-173**	33"	32C	14 - 20 lbs	**64T-323**
19"	18A	4 - 8 lbs	**64T-181**	34"	33A	4 - 8 lbs	**64T-331**
19"	18B	8 - 12 lbs	**64T-182**	34"	33B	8 - 14 lbs	**64T-332**
19"	18C	12 - 18 lbs	**64T-183**	34"	33C	14 - 20 lbs	**64T-333**
20"	19A	4 - 8 lbs	**64T-191**	35"	34A	4 - 8 lbs	**64T-341**
20"	19B	8 - 12 lbs	**64T-192**	35"	34B	8 - 14 lbs	**64T-342**
20"	19C	12 - 18 lbs	**64T-193**	35"	34C	14 - 20 lbs	**64T-343**
21"	20A	4 - 8 lbs	**64T-201**	36"	35A	4 - 8 lbs	**64T-351**
21"	20B	8 - 13 lbs	**64T-202**	36"	35B	8 - 14 lbs	**64T-352**
21"	20C	13 - 18 lbs	**64T-203**	36"	35C	14 - 20 lbs	**64T-353**
22"	21A	4 - 8 lbs	**64T-211**	37"	36A	4 - 8 lbs	**64T-361**
22"	21B	8 - 13 lbs	**64T-212**	37"	36B	8 - 14 lbs	**64T-362**
22"	21C	13 - 18 lbs	**64T-213**	37"	36C	14 - 20 lbs	**64T-363**
23"	22A	4 - 8 lbs	**64T-221**	38"	37A	4 - 8 lbs	**64T-371**
23"	22B	8 - 12 lbs	**64T-222**	38"	37B	8 - 14 lbs	**64T-372**
23"	22C	12 - 18 lbs	**64T-223**	38"	37C	14 - 20 lbs	**64T-373**
24"	23A	4 - 8 lbs	**64T-231**	39"	38A	4 - 8 lbs	**64T-381**
24"	23B	8 - 13 lbs	**64T-232**	39"	38B	8 - 14 lbs	**64T-382**
24"	23C	13 - 20 lbs	**64T-233**	39"	38C	14 - 20 lbs	**64T-383**
25"	24A	4 - 8 lbs	**64T-241**				
25"	24B	8 - 13 lbs	**64T-241**				
25"	24C	13 - 20 lbs	**64T-243**				

-5



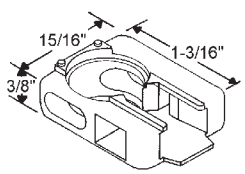
900-18354

-BC



64T-506

64T SERIES BALANCE ACCESSORIES



64T-500
Terminal Housing

AZA SALES
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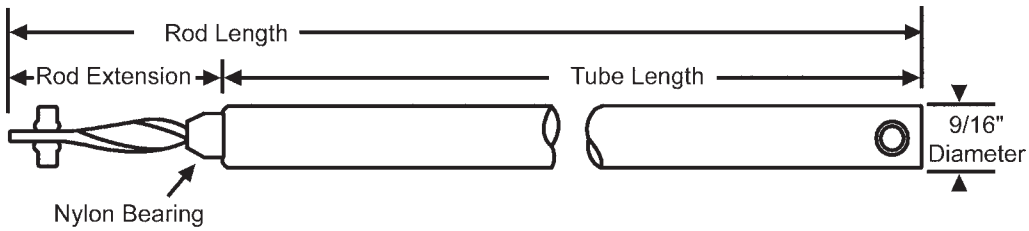
WWW.AZAHARDWARE.COM

70 SERIES BALANCES

5/8" TUBE BALANCE

Tube diameter 9/16" but considered 5/8" in the trade.



Ordering Information

1) Measure metal tube length. (Do not include nylon bearing.)
2) Measure spiral rod length. (Make sure rod is flush with screw hole end of tube before measuring.)
3) Identify the color of the bearing (e.g., white, red, blue or black) and select our corresponding part number from the chart below.
4) To identify any attaching brackets or accessories used with your balance, refer to pages 78-80.

Note: Brackets and accessories must be ordered separately.

General Information

1) Maximum tube balance length available is 60".
2) White, red and blue bearings are for sashes weighing up to 30 lbs; the black bearing with nyclad tip is for sashes weighing up to 40 lbs. Please consult your sales representative for special ordering information.
3) The appropriate tensioning tools are 70-515 and 70-516 as shown on pages 80 and 122.

Standard Rod

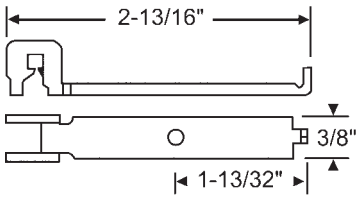
Tube Length	Rod Length	Red Bearing	Blue Bearing	Black Bearing
9"	9-3/4"	70-N9SR	---	---
10"	10-3/4"	70-N10SR	---	---
11"	11-3/4"	70-N11SR	---	---
12"	12-3/4	70-N12SR	70-N12SB	---
13"	13-3/4"	70-N13SR	70-N13SB	---
14"	14-3/4"	70-N14SR	70-N14SB	---
15"	15-3/4"	70-N15SR	70-N15SB	---
16"	16-3/4"	70-N16SR	---	---
17"	17-3/4"	70-N17SR	70-N17SB	70-L17S
18"	18-3/4"	70-N18SR	70-N18SB	70-L18S
19"	19-3/4"	70-N19SR	70-N19SB	70-L19S
20"	20-3/4"	70-N20SR	70-N20SB	70-L20S
21"	21-3/4"	70-N21SR	70-N21SB	70-L21S
22"	22-3/4"	70-N22SR	70-N22SB	70-L22S
23"	23-3/4"	70-N23SR	70-N23SB	70-L23S
24"	24-3/4"	70-N24SR	70-N24SB	70-L24S
25"	25-3/4"	70-N25SR	70-N25SB	70-L25S
26"	26-3/4"	70-N26SR	70-N26SB	70-L26S
27"	27-3/4"	70-N27SR	70-N27SB	70-L27S
28"	28-3/4"	70-N28SR	70-N28SB	70-L28S
29"	29-3/4"	70-N29SR	70-N29SB	70-L29S
30"	30-3/4"	70-N30SR	70-N30SB	70-L30S
31"	31-3/4"	70-N31SR	70-N31SB	70-L31S
32"	32-3/4"	70-N32SR	70-N32SB	70-L32S
33"	33-3/4"	70-N33SR	---	70-L33S
34"	34-3/4"	70-N34SR	---	70-L34S
35"	35-3/4"	70-N35SR	---	70-L35S
36"	36-3/4"	70-N36SR	---	70-L36S
37"	37-3/4"	70-N37SR	---	70-L37S
38"	38-3/4"	70-N38SR	---	70-L38S
39"	39-3/4"	70-N39SR	---	70-L39S
40"	40-3/4"	70-N40SR	---	70-L40S
41"	41-3/4"	70-N41SR	---	70-L41S
42"	42-3/4"	70-N42SR	---	70-L42S
43"	43-3/4"	70-N43SR	---	70-L43S
44"	44-3/4"	70-N44SR	---	70-L44S
45"	45-3/4"	70-N45SR	---	70-L45S
46"	46-3/4"	70-N46SR	---	70-L46S
47"	47-3/4"	70-N47SR	---	70-L47S
48"	48-3/4"	70-N48SR	---	70-L48S
49"	49-3/4"	70-N49SR	---	70-L49S
50"	50-3/4"	70-N50SR	---	70-L50S

Extended Rod

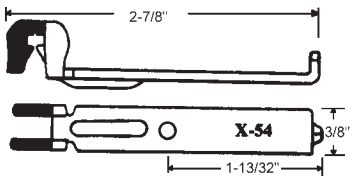
Tube Length	Rod Length	Red Bearing	Blue Bearing
9"	10-3/4"	70-N9RR	---
10"	11-3/4"	70-N10RR	---
11"	12-3/4"	70-N11RR	---
12"	13-3/4"	70-N12RR	70-N12RB
13"	14-3/4"	70-N13RR	70-N13RB
14"	15-3/4"	70-N14RR	70-N14RB
15"	16-3/4"	70-N15RR	70-N15RB
16"	17-3/4"	70-N16RR	70-N16RB
17"	18-3/4"	70-N17RR	70-N17RB
18"	19-3/4"	70-N18RR	70-N18RB
19"	20-3/4"	70-N19RR	70-N19RB
20"	21-3/4"	70-N20RR	70-N20RB
21"	22-3/4"	70-N21RR	70-N21RB
22"	23-3/4"	70-N22RR	70-N22RB
23"	24-3/4"	70-N23RR	70-N23RB
24"	25-3/4"	70-N24RR	70-N24RB
25"	26-3/4"	70-N25RR	70-N25RB
26"	27-3/4"	70-N26RR	70-N26RB
27"	28-3/4"	70-N27RR	70-N27RB
28"	29-3/4"	70-N28RR	70-N28RB
29"	30-3/4"	70-N29RR	70-N29RB
30"	31-3/4"	70-N30RR	70-N30RB
31"	32-3/4"	70-N31RR	70-N31RB
32"	33-3/4"	70-N32RR	70-N32RB
33"	34-3/4"	70-N33RR	---
34"	35-3/4"	70-N34RR	---
35"	36-3/4"	70-N35RR	---
36"	37-3/4"	70-N36RR	---
37"	38-3/4"	70-N37RR	---
38"	39-3/4"	70-N38RR	---
39"	40-3/4"	70-N39RR	---
40"	41-3/4"	70-N40RR	---
41"	42-3/4"	70-N41RR	---
42"	43-3/4"	70-N42RR	---
43"	44-3/4"	70-N43RR	---
44"	45-3/4"	70-N44RR	---
45"	46-3/4"	70-N45RR	---
46"	47-3/4"	70-N46RR	---
47"	48-3/4"	70-N47RR	---
48"	49-3/4"	70-N48RR	---
49"	50-3/4"	70-N49RR	---
50"	51-3/4"	70-N50RR	---

70 SERIES BALANCE ACCESSORIES

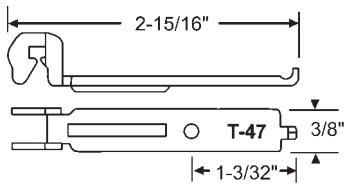
METAL BRACKETS



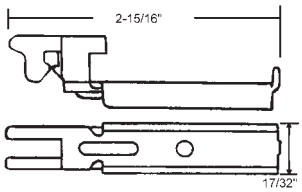
Part #	Description
70-503	Metal
70-503SS	Stainless Steel



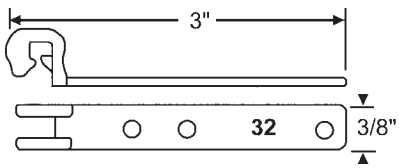
Part #	Description
70-502N	Nyclad Coated
70-502	Not Coated



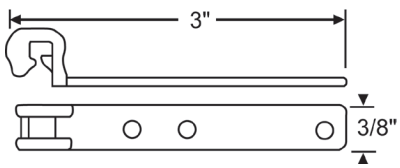
70-501



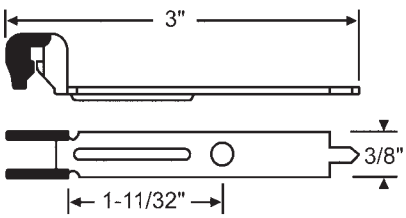
70-504



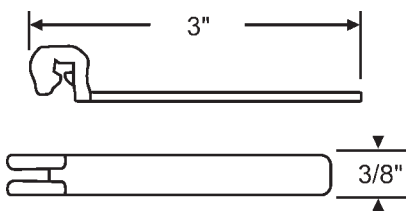
70-500



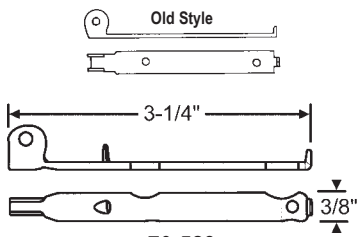
70-524
Used with Retainer Guide 70-626



70-534N
Nyclad Coated

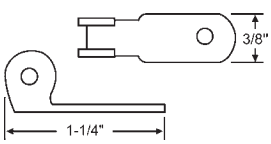


70-526

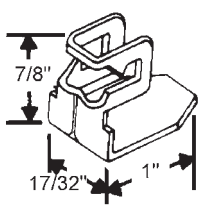


70-523
Riveted Type
Used with Rivet 74-509

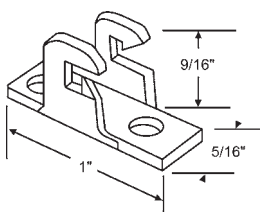
BALANCE SHOES



70-523C

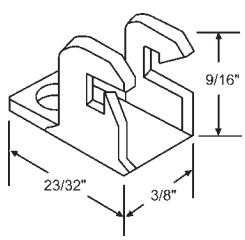


70-521
Metal
ALWINSEAL

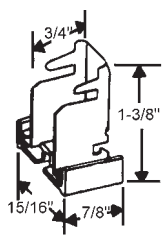


Part #	Description
70-505	Metal
70-505SS	Stainless Steel

Side Mount

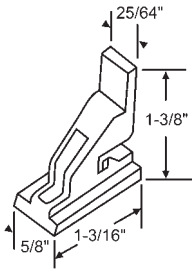


70-506
Metal
Side Mount

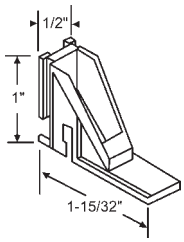


Part #	Hand
70-514RH	Shown

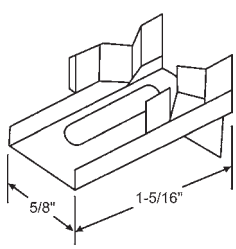
STANLEY



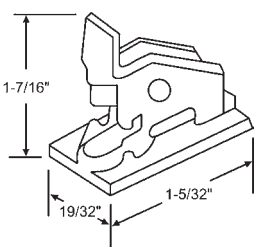
70-510
TUCKER/
GEORGIA PALM BEACH



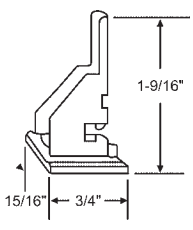
70-513
Use with 70-600 Sash Clip
ABC/HARCAR



70-600
Metal Sash Clip for 70-513
ABC/HARCAR



70-509
TUCKER/
GEORGIA PALM BEACH



70-508
Use with 70-629 Retainer
CROSSLY

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PH: 631-979-9261 FAX: 631-979-8245
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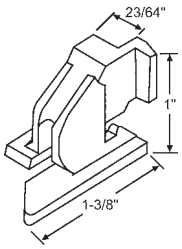
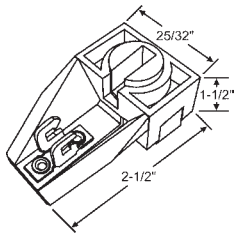
70 SERIES BALANCE ACCESSORIES

BALANCE SHOES



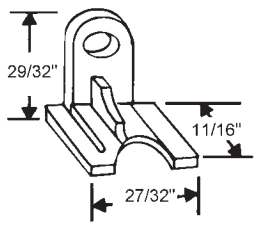
70-511A
Sold in Sets Only
CUPPLES

BALANCE BRACKET

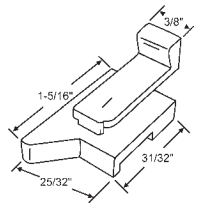


900-10697A
Balance Bracket Assembly w/ Cam and Pawl
SWS

TOP SASH CAMS

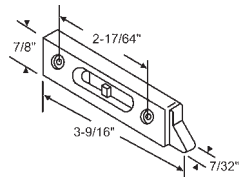


70-602



Part #	Hand
70-615	Shown
70-616	Opposite

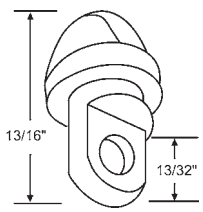
Black, Plastic
CALCO ALUM. CO.



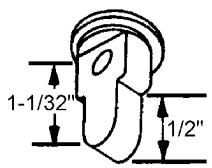
Part #	Hand
70-617	Shown
70-618	Opposite

Top Sash Cam Assembly
New Style, Black
CALCO ALUM. CO.

BALANCE CAPS

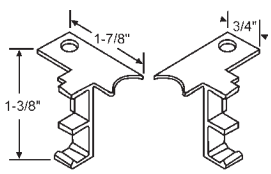


70-517

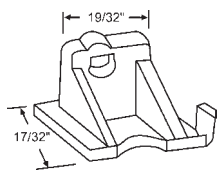


70-528
GEORGIA PALM BEACH

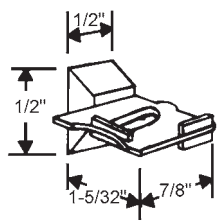
GUIDES



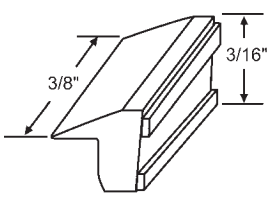
70-627
Two Piece
Die Cast



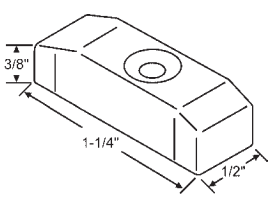
70-606A
Sold in Sets Only. Nylon
CROSSLY



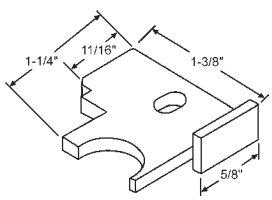
70-621
Top Sash Guide. Nylon



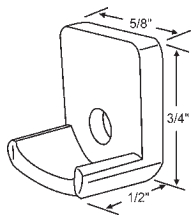
70-624
Nylon



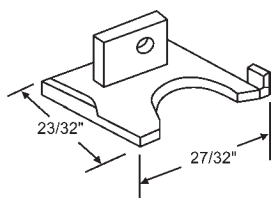
900-5095
Nylon



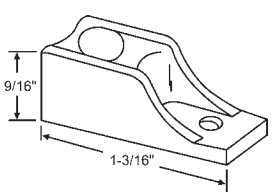
70-639
Nylon



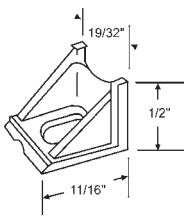
70-603
White Plastic
GEORGIA PALM BEACH



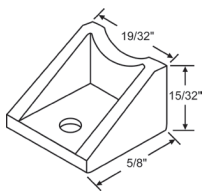
70-612
Sold in Sets Only. RH Shown.
Nylon. Use with Balance Shoes
70-514LH & RH
STANLEY



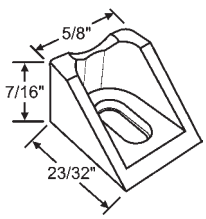
70-620
Nylon



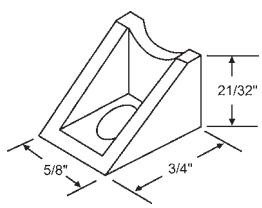
70-601
Off White Plastic



70-605
Gray Plastic

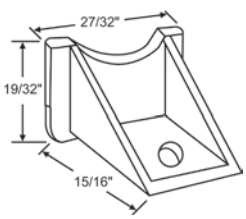


70-625
Nylon

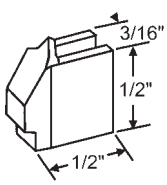


70-635
Nylon

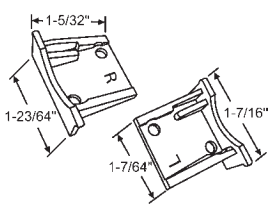
SCREW BUSHING



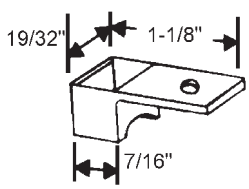
70-622
Nylon



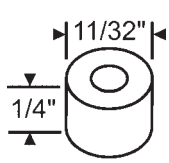
900-6891
AIRE-LOK



70-655B
Sash Guide Set. Black
PGT



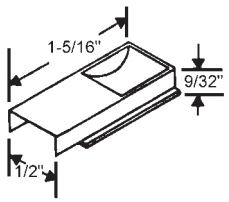
70-623
Nylon. Use with 72-500 Carrier and 72-603 Sash Clip



62-613
Used with Screw 20-048
CALCO ALUM. CO.

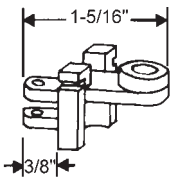
70 SERIES BALANCE ACCESSORIES

RETAINER



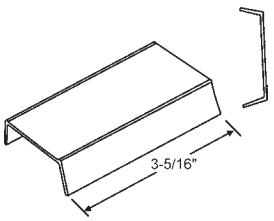
70-629
Nylon

TILT PIVOT

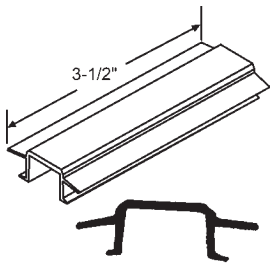


70-519
Black Plastic
CALCO ALUM. CO.

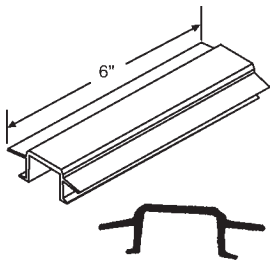
SASH STOPS



70-712
Black
YALE/ OGRON

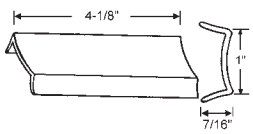


900-20095BE-3.5
Beige, Plastic

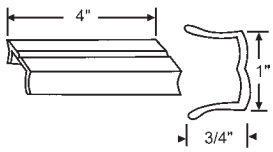


Part #	Color
900-20095W	White
900-20095	Beige

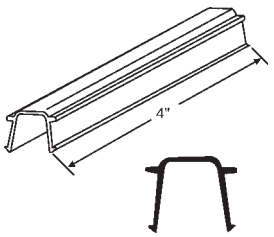
Plastic



70-702
White Plastic

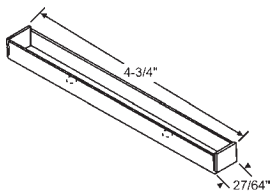


70-700
White Plastic

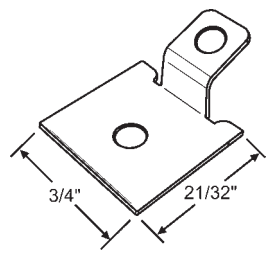


Part #	Color
70-710B	Black
70-710	White

Plastic

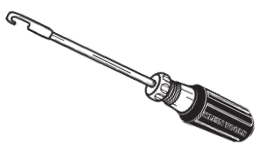


70-707
Metal



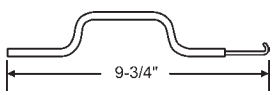
70-713
Aluminum
PAN AM

BALANCE EXTENDER TOOL

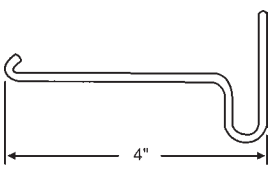


59-42

BALANCE TENSION TOOLS

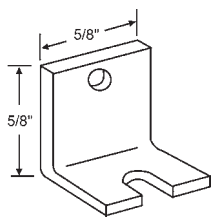


70-515

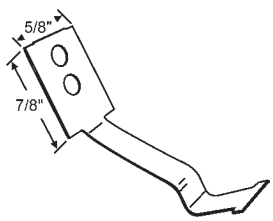


70-516

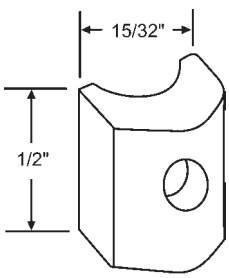
MISCELLANEOUS ACCESSORIES



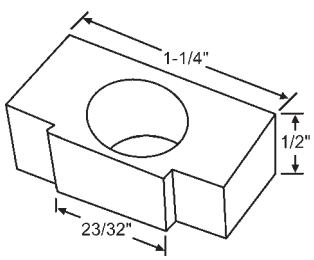
70-704
Metal Angle Clip
GEORGIA PALM BEACH



70-705
Metal Vent Spring
GEORGIA PALM BEACH

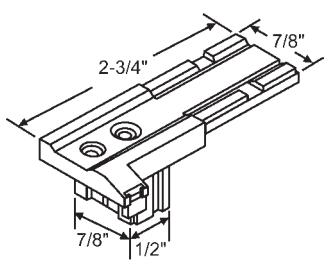


70-709
Nylon Backing Block
GEORGIA PALM BEACH



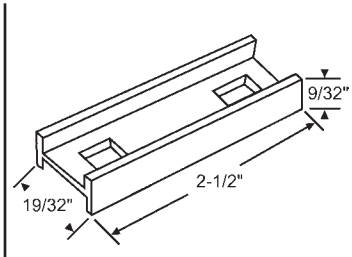
Part #	Color
900-11391	White

Rubber Balance Plug



Part #	Hand
900-2350	Shown
900-2349	Opposite

Corner Assembly. Black Plastic



70-604
Sash Carrier Lock, Aluminum
GEORGIA PALM BEACH

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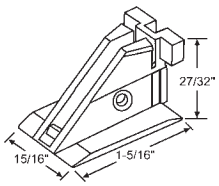
72 SERIES BALANCES

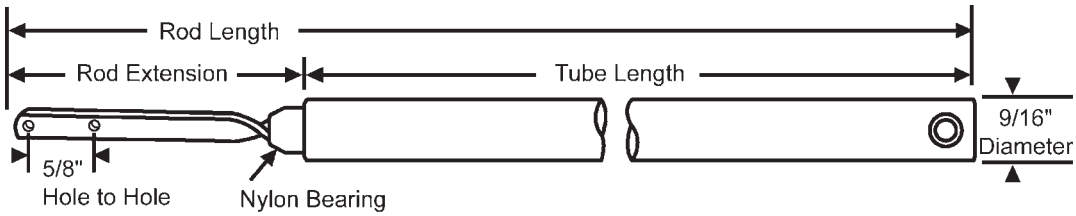
5/8" TUBE BALANCE

Tube diameter 9/16" but considered 5/8" in the trade.



Balance Carrier

See page 82



Ordering Information

1) Measure metal tube length (Do not include nylon bearing).
2) Measure spiral rod length (Make sure rod is flush with screw hole end of tube before measuring).
3) Identify the color of the bearing (e.g., white, red or blue) and select our corresponding part number from the chart below.
4) To identify the appropriate carrier or shoe to be attached and other related accessories, see page 82.

Note: Attached carriers and related accessories must be ordered separately. If you want the ends attached, add the letter "A" to the suffix of the accessory part number when ordering.

Note: If a window tilts in and balance has 2 pins, refer to our 83 and 85 series balances on pages 94 and 100.

Standard Rod

Tube Length	Rod Length	White Bearing	Red Bearing
10"	11-5/8"	72-P10SW	---
11"	12-5/8"	72-P11SW	---
12"	13-5/8"	72-P12SW	72-P12SR
13"	14-5/8"	72-P13SW	72-P13SR
14"	15-5/8"	72-P14SW	72-P14SR
15"	16-5/8"	72-P15SW	72-P15SR
16"	17-5/8"	---	72-P16SR
17"	18-5/8"	---	72-P17SR
18"	19-5/8"	---	72-P18SR
19"	20-5/8"	---	72-P19SR
20"	21-5/8"	---	72-P20SR
21"	22-5/8"	---	72-P21SR
22"	23-5/8"	---	72-P22SR
23"	24-5/8"	---	72-P23SR
24"	25-5/8"	---	72-P24SR
25"	26-5/8"	---	72-P25SR
26"	27-5/8"	---	72-P26SR
27"	28-5/8"	---	72-P27SR
28"	29-5/8"	---	72-P28SR
29"	30-5/8"	72-P29SW	72-P29SR
30"	31-5/8"	---	72-P30SR
31"	32-5/8"	72-P31SW	72-P31SR
32"	33-5/8"	---	72-P32SR
33"	34-5/8"	---	72-P33SR
34"	35-5/8"	---	72-P34SR
35"	36-5/8"	72-P35SW	72-P35SR
36"	37-5/8"	---	72-P36SR
37"	38-5/8"	72-P37SW	72-P37SR
38"	39-5/8"	72-P38SW	72-P38SR
39"	40-5/8"	---	72-P39SR
40"	41-5/8"	72-P40SW	72-P40SR
41"	42-5/8"	72-P41SW	72-P41SR
42"	43-5/8"	72-P42SW	72-P42SR
43"	44-5/8"	---	72-P43SR
44"	45-5/8"	72-P44SW	72-P44SR
45"	46-5/8"	72-P45SW	72-P45SR
46"	47-5/8"	72-P46SW	72-P46SR
47"	48-5/8"	72-P47SW	72-P47SR
48"	49-5/8"	72-P48SW	72-P48SR
49"	50-5/8"	72-P49SW	72-P49SR
50"	51-5/8"	72-P50SW	72-P50SR

Extended Rod

Tube Length	Rod Length	White Bearing	Red Bearing
10"	12-5/8"	72-P10RW	---
11"	13-5/8"	72-P11RW	---
12"	14-5/8"	72-P12RW	72-P12RR
13"	15-5/8"	---	72-P13RR
14"	16-5/8"	72-P14RW	72-P14RR
15"	17-5/8"	72-P15RW	72-P15RR
16"	18-5/8"	---	72-P16RR
17"	19-5/8"	---	72-P17RR
18"	20-5/8"	---	72-P18RR
19"	21-5/8"	---	72-P19RR
20"	22-5/8"	---	72-P20RR
21"	23-5/8"	---	72-P21RR
22"	24-5/8"	---	72-P22RR
23"	25-5/8"	---	72-P23RR
24"	26-5/8"	---	72-P24RR
25"	27-5/8"	---	72-P25RR
26"	28-5/8"	---	72-P26RR
27"	29-5/8"	---	72-P27RR
28"	30-5/8"	---	72-P28RR
29"	31-5/8"	---	72-P29RR
30"	32-5/8"	72-P30RW	72-P30RR
31"	33-5/8"	72-P31RW	72-P31RR
32"	34-5/8"	72-P32RW	72-P32RR
33"	35-5/8"	72-P33RW	72-P33RR
34"	36-5/8"	72-P34RW	72-P34RR
35"	37-5/8"	72-P35RW	72-P35RR
36"	38-5/8"	72-P36RW	72-P36RR
37"	39-5/8"	72-P37RW	72-P37RR
38"	40-5/8"	---	72-P38RR
39"	41-5/8"	---	72-P39RR
40"	42-5/8"	---	72-P40RR
41"	43-5/8"	---	72-P41RR
42"	44-5/8"	72-P42RW	72-P42RR
43"	45-5/8"	72-P43RW	72-P43RR
44"	46-5/8"	72-P44RW	72-P44RR
45"	47-5/8"	72-P45RW	72-P45RR
46"	48-5/8"	72-P46RW	72-P46RR
47"	49-5/8"	72-P47RW	72-P47RR
48"	50-5/8"	72-P48RW	72-P48RR
49"	51-5/8"	72-P49RW	72-P49RR
50"	52-5/8"	72-P50RW	72-P50RR

An extra long extended rod is available with red bearings on the following sizes only:

Double Extended Rod

Tube Length	Rod Length	Part Number
15"	18-5/8"	72-P15RRR
19"	22-5/8"	72-P19RRR
21"	24-5/8"	72-P21RRR
23"	26-5/8"	72-P23RRR
27"	30-5/8"	72-P27RRR
33"	36-5/8"	72-P33RRR

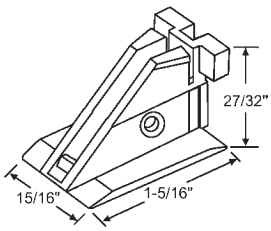
Used Primarily by Keller

- **The appropriate tensioning tools are 70-515 and 70-516 as shown on pages 80 and 122.**
- **Many customers confuse this series with our 85 tilt series on page 100.**
- **72 series always comes with a plastic guide attachment to the 2nd hole.**

Note: Mostly "red bearings" are used for repairs. "Blue bearings" were not used on original windows but used when heavier glass was added. Blue bearing balances can be special ordered.

72 SERIES BALANCE ACCESSORIES

CARRIERS

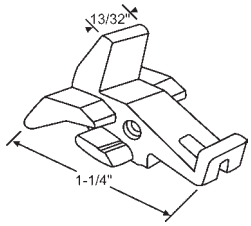


Part #	Color
72-500	White

PORTALUME

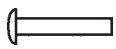
Part #	Color
72-501	Black

KELLER



72-503
White
SILVER LINE

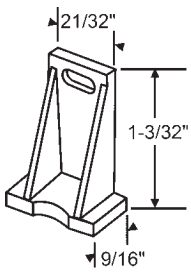
RIVETS



72-504
3/32" Diameter
3/8" Length

72-502
5/64"Diameter
3/8" Length

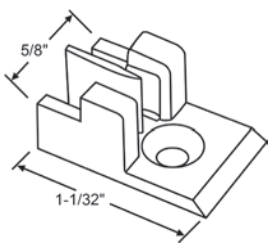
TOP SASH GUIDE



72-604

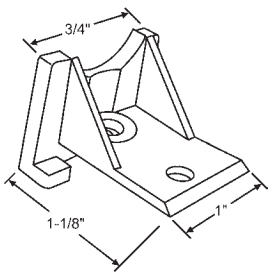
KELLER

SASH CLIPS



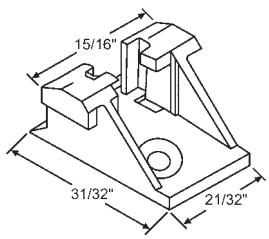
72-607

HOWARD

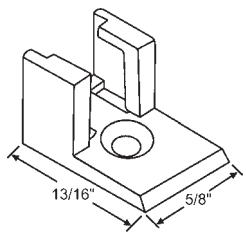


Part #	Hand
72-609	Shown
72-608	Opposite

HOWARD



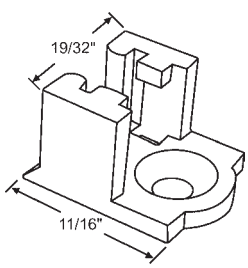
72-605A
Sold in Sets Only
KELLER



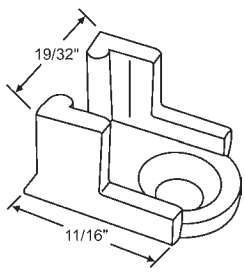
72-600

PORTALUME

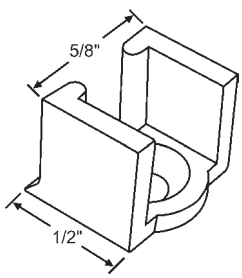
BUSHING



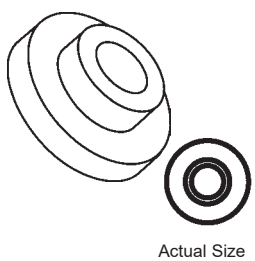
72-601



72-602

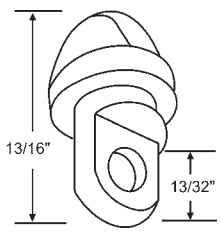


72-603
Sash clip



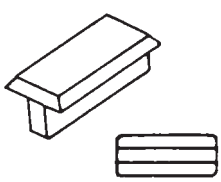
72-800

BALANCE CAP



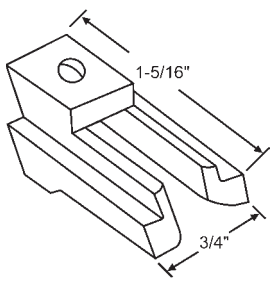
70-517

SIDE RAIL GUIDE

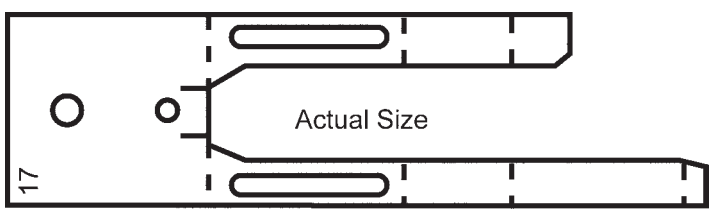


Part #	Finish
72-802	White
72-803	Black

RETAINERS



74-715
Nylon, White
AIR CONTROL

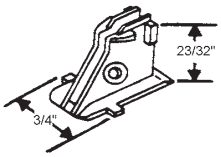


72-700
Metal

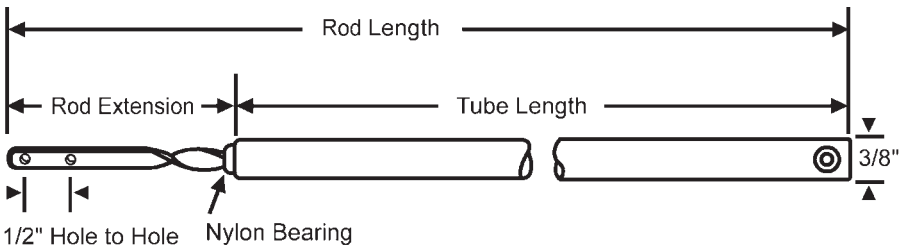
AZA SALES
TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

74 SERIES BALANCES

3/8" TUBE BALANCE



Pick from a variety of ends.



Note: If a window tilts in and balance has 2 pins, refer to our 83 and 85 series balances on pages 94 and 100.

Ordering Information

1) Measure metal tube length (Do not include nylon bearing).
2) Measure spiral rod length. (Make sure rod is flush with screw hole end of tube before measuring.)
3) Identify the color of the bearing (e.g., white, red or blue) and select our corresponding part number from the chart below.
4) To identify the appropriate carrier or shoe to be attached and other related accessories, see page 84.

Note: Attached carriers and related accessories must be ordered separately. If you want the ends attached, add the letter "A" to the suffix of the part number when ordering.

General Information

1) White, red and blue bearings are for sashes weighing up to 22 lbs; green bearings are for sashes weighing up to 26 lbs. Consult your sales representative for ordering information.
2) The appropriate tensioning tools are 70-515 and 70-516 as shown on pages 80 and 122.

This series always comes with a shoe or bracket attached. Some customers confuse this series with our 83 series tilt balances on page 94.

Standard Rod

Tube Length	Rod Length	White Bearing	Red Bearing	Blue Bearing	Green* Bearing
10"	10-3/4"	74-S10	---	---	---
11"	11-3/4"	74-S11	---	---	---
12"	12-3/4"	74-S12	---	---	---
13"	13-3/4"	74-S13	74-S13R	---	---
14"	14-3/4"	74-S14	74-S14R	---	---
15"	15-3/4"	74-S15	74-S15R	74-S15B	---
16"	16-3/4"	---	74-S16R	74-S16B	---
17"	17-3/4"	---	74-S17R	74-S17B	---
18"	18-3/4"	---	74-S18R	74-S18B	---
19"	19-3/4"	---	74-S19R	74-S19B	---
20"	20-3/4"	---	74-S20R	74-S20B	---
21"	21-3/4"	---	74-S21R	74-S21B	---
22"	22-3/4"	---	74-S22R	74-S22B	---
23"	23-3/4"	---	74-S23R	74-S23B	74-S23G
24"	24-3/4"	---	74-S24R	74-S24B	---
25"	25-3/4"	---	74-S25R	74-S25B	74-S25G
26"	26-3/4"	---	74-S26R	---	---
27"	27-3/4"	74-S27	74-S27R	---	---
28"	28-3/4"	---	74-S28R	---	74-S28G
29"	29-3/4"	---	74-S29R	---	74-S29G
30"	30-3/4"	---	74-S30R	---	74-S30G
31"	31-3/4"	---	74-S31R	---	---
32"	32-3/4"	---	74-S32R	---	---
33"	33-3/4"	74-S33	---	---	---
34"	34-3/4"	74-S34	---	---	74-S34G
35"	35-3/4"	74-S35	---	---	---
36"	36-3/4"	74-S36	---	---	74-S36G
37"	37-3/4"	74-S37	---	---	---
38"	38-3/4"	74-S38	---	---	---
39"	39-3/4"	74-S39	---	---	---
40"	40-3/4"	74-S40	---	---	---

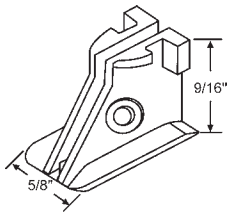
Extended Rod

Tube Length	Rod Length	White Bearing	Red Bearing	Blue Bearing	Green* Bearing
10"	11-3/4"	74-10	---	---	---
11"	12-3/4"	---	---	---	---
12"	13-3/4"	74-12	---	---	---
13"	14-3/4"	74-13	74-13R	---	---
14"	15-3/4"	74-14	74-14R	---	---
15"	16-3/4"	74-15	74-15R	74-15B	---
16"	17-3/4"	---	74-16R	74-16B	---
17"	18-3/4"	---	74-17R	74-17B	---
18"	19-3/4"	---	74-18R	74-18B	---
19"	20-3/4"	---	74-19R	74-19B	---
20"	21-3/4"	---	74-20R	74-20B	---
21"	22-3/4"	---	74-21R	74-21B	---
22"	23-3/4"	---	74-22R	74-22B	---
23"	24-3/4"	---	74-23R	74-23B	---
24"	25-3/4"	---	74-24R	74-24B	---
25"	26-3/4"	---	74-25R	74-25B	---
26"	27-3/4"	---	74-26R	---	---
27"	28-3/4"	---	74-27R	---	---
28"	29-3/4"	---	74-28R	---	74-28G
29"	30-3/4"	---	74-29R	---	74-29G
30"	31-3/4"	74-30	74-30R	---	74-30G
31"	32-3/4"	74-31	74-31R	---	74-31G
32"	33-3/4"	74-32	74-32R	---	---
33"	34-3/4"	74-33	---	---	---
34"	35-3/4"	74-34	---	---	---
35"	36-3/4"	74-35	---	---	---
36"	37-3/4"	74-36	---	---	---
37"	38-3/4"	74-37	---	---	---
38"	39-3/4"	74-38	---	---	---
39"	40-3/4"	74-39	---	---	---
40"	41-3/4"	74-40	---	---	---

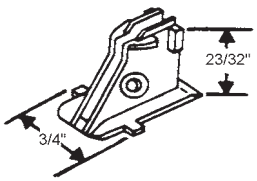
***Other sizes available upon request.**

74 SERIES BALANCE ACCESSORIES

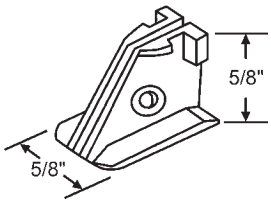
CARRIERS



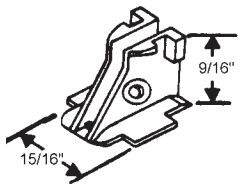
74-501



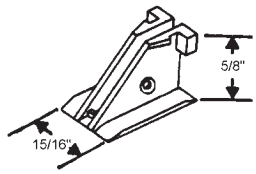
74-502
AIRMASTER



74-503
KELLER

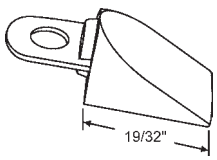


74-504



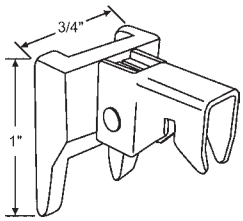
74-510
KELLER

BALANCE CAP



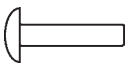
74-505

BALANCE SHOE



74-508
LOOK

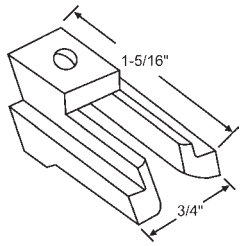
RIVETS



74-509
3/32" Diameter
13/32" Length

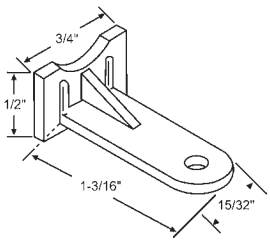
74-500
3/32" Diameter
9/32" Length

NYLON RETAINER

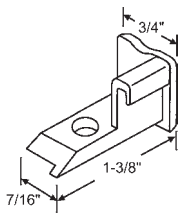


74-715
Nylon, White
All metal retainers are obsolete. 74-715 will work in most applications.

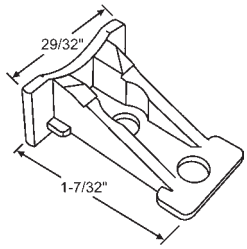
TOP SASH GUIDES



900-5955

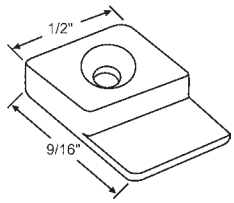


74-602A
Set, LH and RH
AIRMASTER



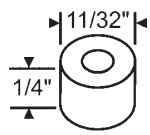
74-607
KELLER

FACE GUIDE



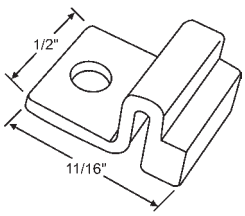
76-600
Uses Screw 20-004

ROUND FACE GUIDE



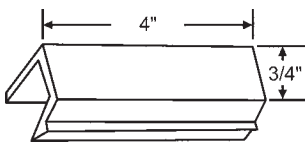
62-613
Nylon Bushing
KELLER

WINDOW GUIDE



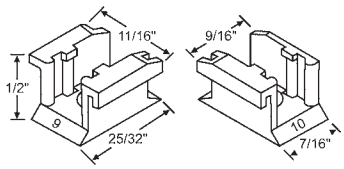
74-612

SASH STOP

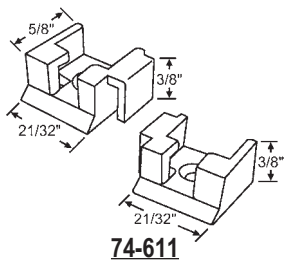


74-713
White

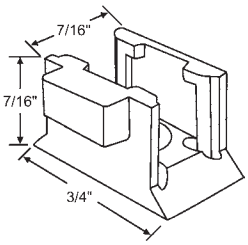
SASH CLIPS



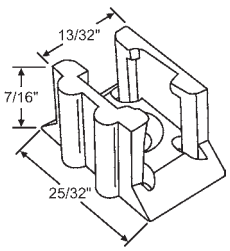
74-600A
Set, LH and RH
AIRMASTER



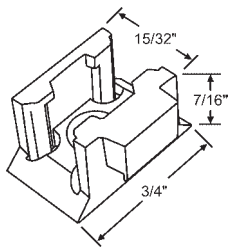
74-611
Set, LH and RH
KELLER



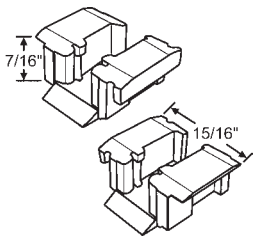
74-604



74-605



74-606

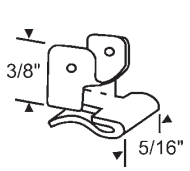


74-609
KELLER

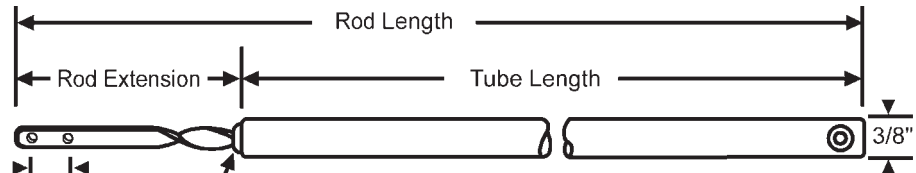
AZA SALES
TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

75 SERIES BALANCES

3/8" TUBE BALANCE



75-500



Now Available in White and Black Tubes.

Note: The difference between our "74" and "75" series balances is in the hole center distance in the spiral rod.

Note: If a window tilts in and balance has 2 pins, refer to our 83 and 85 series balances on pages 94 and 100.

Ordering Information

1. Measure metal tube length. (Do not include nylon bearing.)
2. Measure spiral rod length. (Make sure rod is flush with screw hole end of tube before measuring.)
3. Identify the color of the bearing (e.g., white, red or blue) and select our corresponding part number from the chart below.
4. To identify the appropriate carrier or shoe to be attached and other related accessories, see bottom of the page.

Note: Attached carriers and related accessories must be ordered separately. If you want the ends attached, add the letter "A" to the suffix of the part number when ordering.

General Information

1. White, red and blue bearings are for sashes weighing up to 22 lbs; green bearings are for sashes weighing up to 26 lbs; yellow bearings are for sashes weighing 26-34 lbs. Consult your sales representative for ordering information.
2. The appropriate tensioning tools are 70-515 and 70-516 as shown on pages 80 and 122.
3. A pre-tensioned balance whose rod length is 1-7/8" longer than the tube is also available on a SPECIAL ORDER, NON-RETURNABLE BASIS. These are generally used by manufacturers' specifications. Consult your sales representative for inquiries or questions. (If you have a pre-tensioned balance and want to use our standard 75 SERIES balance, order 1" longer balance with a standard rod. (e.g. If your pre-tensioned balance is 30" with red bearing, order our 75-S31R.)

Standard Rod

Tube Length	Rod Length	White Bearing	Red Bearing	Blue Bearing	Green Bearing*
10"	10-9/16"	75-S10	---	---	---
11"	11-9/16"	75-S11	---	---	---
12"	12-9/16"	75-S12	---	---	---
13"	13-9/16"	75-S13	75-S13R	---	---
14"	14-9/16"	75-S14	75-S14R	---	---
15"	15-9/16"	75-S15	75-S15R	75-S15B	---
16"	16-9/16"	---	75-S16R	75-S16B	---
17"	17-9/16"	---	75-S17R	75-S17B	---
18"	18-9/16"	---	75-S18R	75-S18B	75-S18G
19"	19-9/16"	75-S19	75-S19R	75-S19B	75-S19G
20"	20-9/16"	75-S20	75-S20R	75-S20B	---
21"	21-9/16"	75-S21	75-S21R	75-S21B	---
22"	22-9/16"	75-S22	75-S22R	75-S22B	75-S22G
23"	23-9/16"	75-S23	75-S23R	75-S23B	75-S23G
24"	24-9/16"	75-S24	75-S24R	75-S24B	75-S24G
25"	25-9/16"	75-S25	75-S25R	75-S25B	---
26"	26-9/16"	75-S26	75-S26R	---	---
27"	27-9/16"	75-S27	75-S27R	---	---
28"	28-9/16"	75-S28	75-S28R	---	75-S28G
29"	29-9/16"	---	75-S29R	---	75-S29G
30"	30-9/16"	75-S30	75-S30R	---	75-S30G
31"	31-9/16"	---	75-S31R	---	75-S31G
32"	32-9/16"	75-S32	75-S32R	---	---
33"	33-9/16"	75-S33	---	---	---
34"	34-9/16"	75-S34	---	---	---
35"	35-9/16"	75-S35	---	---	75-S35G
36"	36-9/16"	75-S36	---	---	75-S36G
37"	37-9/16"	75-S37	---	---	---
38"	38-9/16"	75-S38	---	---	---
39"	39-9/16"	75-S39	---	---	---
40"	40-9/16"	75-S40	---	---	---

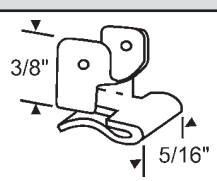
Extended Rod

Tube Length	Rod Length	White Bearing	Red Bearing	Blue Bearing	Green Bearing*
10"	11-9/16"	75-10	---	---	---
11"	12-9/16"	75-11	---	---	---
12"	13-9/16"	75-12	---	---	---
13"	14-9/16"	75-13	---	---	---
14"	15-9/16"	75-14	---	---	---
15"	16-9/16"	75-15	---	---	---
16"	17-9/16"	75-16	---	---	---
17"	18-9/16"	75-17	75-17R	---	---
18"	19-9/16"	---	---	---	---
19"	18-9/16"	75-19	---	---	---
20"	21-9/16"	---	---	---	---
21"	22-9/16"	75-21	---	---	---
22"	23-9/16"	75-22	---	---	---
23"	24-9/16"	75-23	75-23R	---	---
24"	25-9/16"	75-24	75-24R	---	75-24G
25"	26-9/16"	75-25	75-25R	---	---
26"	27-9/16"	75-26	75-26R	---	---
27"	28-9/16"	75-27	75-27R	---	---
28"	29-9/16"	75-28	75-28R	---	75-28G
29"	30-9/16"	75-29	75-29R	---	---
30"	31-9/16"	75-30	75-30R	---	---
31"	32-9/16"	75-31	75-31R	---	---
32"	33-9/16"	75-32	75-32R	---	---
33"	34-9/16"	75-33	---	---	---
34"	35-9/16"	75-34	---	---	---
35"	36-9/16"	75-35	---	---	---
36"	37-9/16"	75-36	---	---	---
37"	38-9/16"	75-37	---	---	---

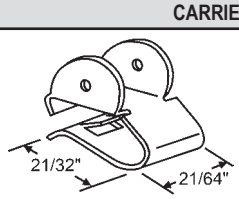
***Other Sizes Available Upon Request.**

75 SERIES BALANCE ACCESSORIES

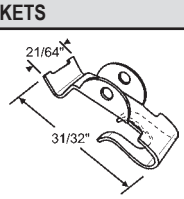
CARRIER BRACKETS



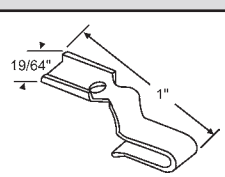
75-500
Black



75-501
Black

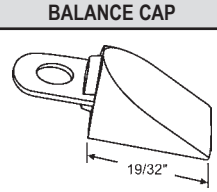


75-502



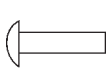
75-503

BALANCE CAP

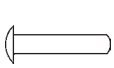


74-505

RIVETS

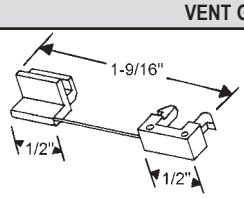


75-504
3/32" Dia.
13/64" Length
Used with 75-503



75-505
1/16" Dia.
11/32" Length

VENT GUIDE



Part #	Finish
75-507W	White
75-507	Black

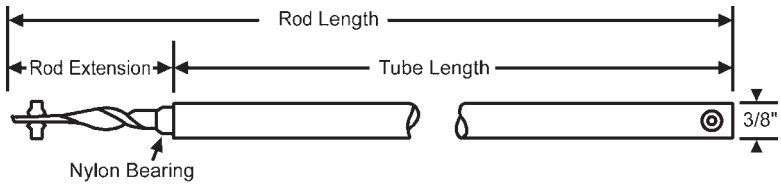
RUSCO

BALANCE SCREW

20-002
5 x 3/4"

76 SERIES BALANCES

3/8" TUBE BALANCE



Ordering Information

1. Measure metal tube length. (Do not include nylon bearing.)
2. Measure spiral rod length. (Make sure rod is flush with screw hole end of tube before measuring.)
3. Identify the color of the bearing (e.g., white, red, yellow or blue) and select our corresponding part number from the chart below.
4. To identify the appropriate carrier or shoe to be attached and other related accessories, see pages 87-88.

Note: Attached carriers and related accessories must be ordered separately. If you want the ends attached, add the letter "A" to the suffix of the part number when ordering.

General Information

1. White, red and blue bearings are for sashes weighing up to 22 lbs; green bearings are for sashes weighing up to 26 lbs; yellow-green bearings are for sashes weighing 26-34 lbs. Consult your sales representative for ordering information.
2. The appropriate tensioning tools are 70-515 and 70-516 as shown on pages 80 and 122.

Standard Rod

Tube Length	Rod Length	White Bearing	Red Bearing	Blue Bearing	Green* Bearing	Yellow Bearing
10"	10-5/8"	76-SMS10	---	---	---	
11"	11-5/8"	76-SMS11	---	---	---	
12"	12-5/8"	76-SMS12	---	---	---	
13"	13-5/8"	76-SMS13	76-SMS13R	---	---	
14"	14-5/8"	76-SMS14	76-SMS14R	---	---	
15"	15-5/8"	76-SMS15	76-SMS15R	76-SMS15B	---	
16"	16-5/8"	---	76-SMS16R	---	---	
17"	17-5/8"	---	76-SMS17R	76-SMS17B	---	
18"	18-5/8"	---	76-SMS18R	76-SMS18B	---	
19"	19-5/8"	76-SMS19	76-SMS19R	76-SMS19B	76-SMS19G	
20"	20-5/8"	---	76-SMS20R	76-SMS20B	---	
21"	21-5/8"	---	76-SMS21R	76-SMS21B	76-SMS21G	
22"	22-5/8"	76-SMS22	76-SMS22R	76-SMS22B	---	
23"	23-5/8"	---	76-SMS23R	76-SMS23B	---	76-SMS23Y
24"	24-5/8"	---	76-SMS24R	76-SMS24B	---	
25"	25-5/8"	---	76-SMS25R	76-SMS25B	---	76-SMS25Y
26"	26-5/8"	76-SMS26	76-SMS26R	---	---	
27"	27-5/8"	---	76-SMS27R	---	---	
28"	28-5/8"	---	76-SMS28R	---	76-SMS28G	
29"	29-5/8"	---	76-SMS29R	---	76-SMS29G	76-SMS29Y
30"	30-5/8"	---	76-SMS30R	---	76-SMS30G	76-SMS30Y
31"	31-5/8"	---	76-SMS31R	---	76-SMS31G	
32"	32-5/8"	---	76-SMS32R	---	---	
33"	33-5/8"	76-SMS33	---	---	---	76-SMS33Y
34"	34-5/8"	76-SMS34	---	---	---	
35"	35-5/8"	76-SMS35	---	---	76-SMS35G	76-SMS35Y
36"	36-5/8"	76-SMS36	---	---	76-SMS36G	76-SMS36Y
37"	37-5/8"	76-SMS37	---	---	---	
38"	38-5/8"	76-SMS38	---	---	---	76-SMS38Y
39"	39-5/8"	76-SMS39	---	---	---	
40"	40-5/8"	76-SMS40	---	---	---	76-SMS40Y

Extended Rod

Tube Length	Rod Length	White Bearing	Red Bearing	Blue Bearing	Green* Bearing	Yellow Bearing
10"	11-5/8"	76-SM10	---	---	---	
11"	12-5/8"	76-SM11	---	---	---	
12"	13-5/8"	76-SM12	---	---	---	
13"	14-5/8"	76-SM13	76-SM13R	---	---	
14"	15-5/8"	76-SM14	76-SM14R	---	---	
15"	16-5/8"	76-SM15	76-SM15R	76-SM15B	---	
16"	17-5/8"	76-SM16	76-SM16R	76-SM16B	---	
17"	18-5/8"	76-SM17	76-SM17R	76-SM17B	---	
18"	19-5/8"	76-SM18	76-SM18R	76-SM18B	---	
19"	20-5/8"	---	76-SM19R	76-SM19B	---	
20"	21-5/8"	---	76-SM20R	76-SM20B	---	
21"	22-5/8"	---	76-SM21R	76-SM21B	---	
22"	23-5/8"	---	76-SM22R	76-SM22B	---	
23"	24-5/8"	---	76-SM23R	76-SM23B	---	
24"	25-5/8"	---	76-SM24R	76-SM24B	---	
25"	26-5/8"	---	76-SM25R	76-SM25B	---	
26"	27-5/8"	76-SM26	76-SM26R	---	---	
27"	28-5/8"	---	76-SM27R	---	---	
28"	29-5/8"	76-SM28	76-SM28R	---	---	
29"	30-5/8"	---	76-SM29R	---	---	
30"	31-5/8"	76-SM30	76-SM30R	---	---	
31"	32-5/8"	76-SM31	---	---	---	
32"	33-5/8"	76-SM32	76-SM32R	---	---	
33"	34-5/8"	76-SM33	---	---	---	
34"	35-5/8"	76-SM34	---	---	---	
35"	36-5/8"	76-SM35	---	---	---	
36"	37-5/8"	76-SM36	---	---	76-SM36G	76-SM36Y
37"	38-5/8"	76-SM37	---	---	---	
38"	39-5/8"	76-SM38	---	---	76-SM38G	
39"	40-5/8"	76-SM39	---	---	---	
40"	41-5/8"	76-SM40	---	---	---	

***Other sizes available upon request.**

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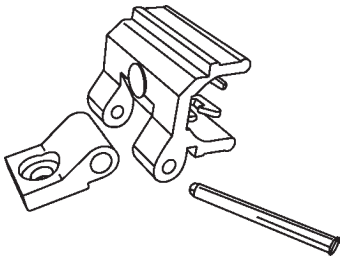
76 SERIES BALANCE ACCESSORIES

HINGE LEAF ASSEMBLY



Hinge Assembly w/Metal Bracket

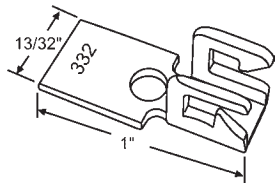
Part #	Color
76-518	White
76-518B	Black

Hinge Assembly - No Metal Bracket

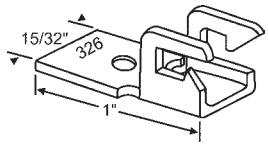
Part #	Color
76-523	White
76-523B	Black

SILVER LINE

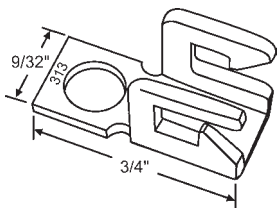
METAL SASH CLIPS



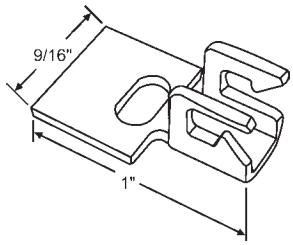
76-500



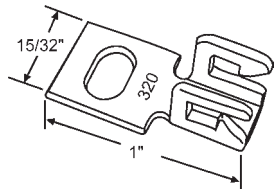
76-501



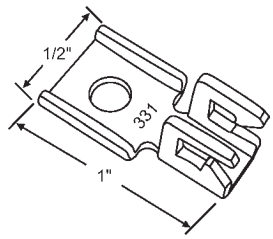
76-502
KINRO/SILVER LINE



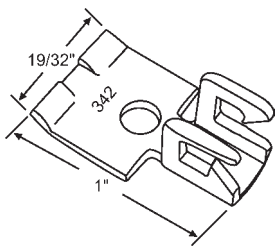
76-533



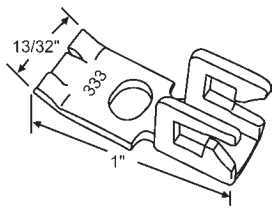
76-503



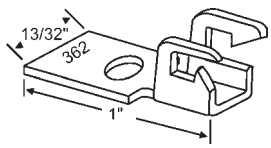
76-504



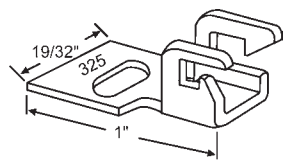
76-505



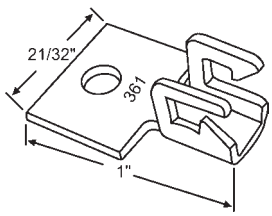
76-509



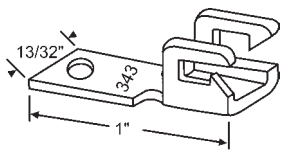
76-510



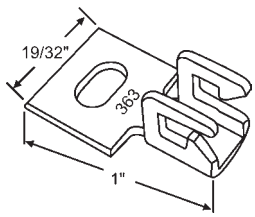
76-511



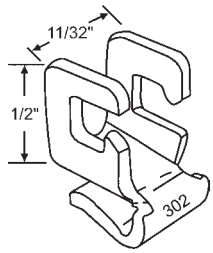
76-513



76-514

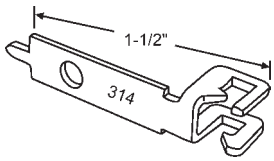


76-515

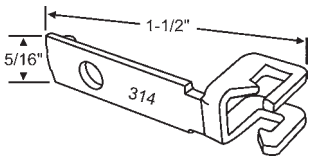


76-516
Clip On
GENERAL ALUMINUM

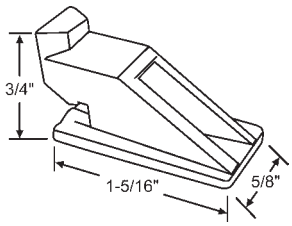
CARRIER



76-506

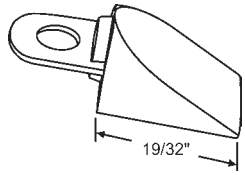


76-507



76-517

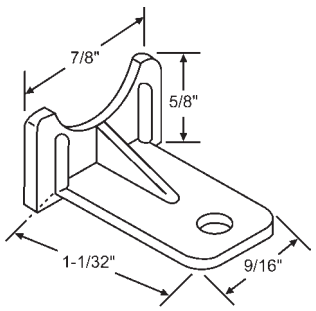
BALANCE CAP



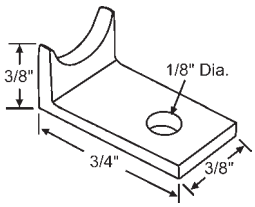
74-505

76 SERIES BALANCE ACCESSORIES

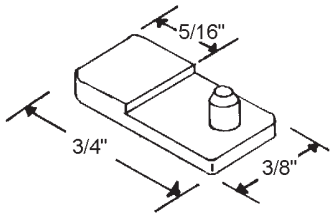
TOP SASH GUIDES



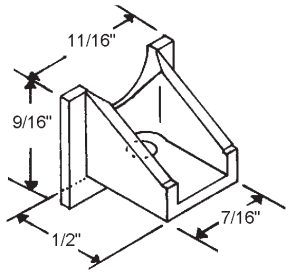
900-5013
Natural Nylon



900-6861
Nylon

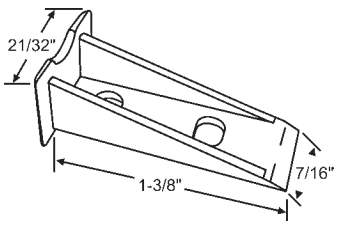


900-5814
Nylon Guide

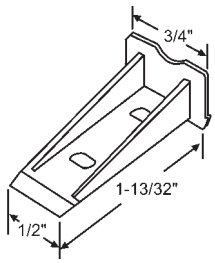


900-5428
Nylon Guide

TOP SASH GUIDES

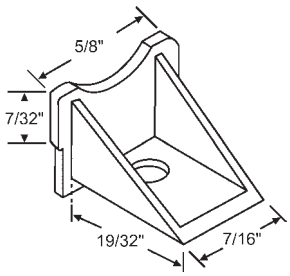


76-603

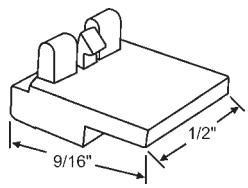


76-604
New Style. (Old Style only had 1 mounting hole.)

SNAP-IN SASH GUIDES

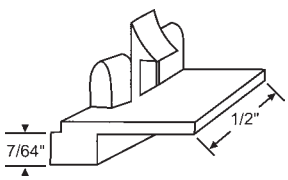


900-5522
CROWN



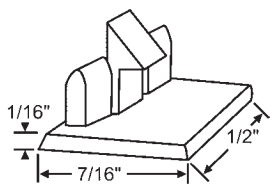
76-602
Natural
KELLER

FACE GUIDES

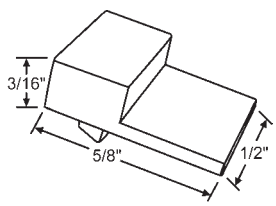


Part #	Color
76-607	Black
76-607W	White

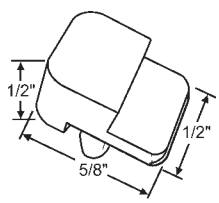
HARCAR



900-9966
Natural
HARCAR

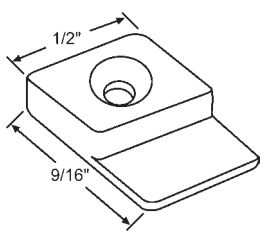


HWP956 WH
White
PGT

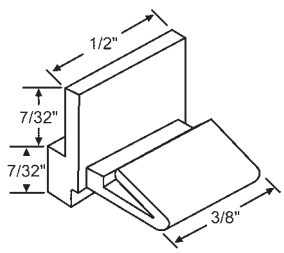


HWP959 WH
White
PGT

SPRING GUIDES

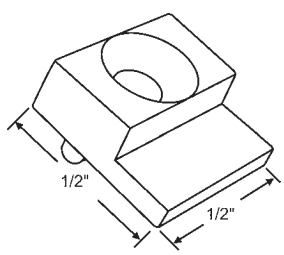


76-600
Uses 20-004 Screw



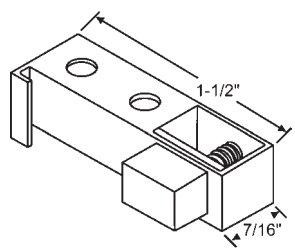
Part #	Color
76-608	Black
76-608W	White

HARCAR



Part #	Color
76-611	Black
76-611W	White

KELLER



Part #	Hand
76-610RH	Shown
76-610LH	Opposite

RUSCO

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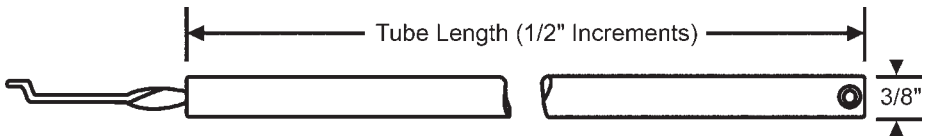
78A SERIES BALANCES

3/8" PLASTIC TUBE BALANCE



Tube Length	Part Number
14"	78A-14
15"	78A-15
16"	78A-16
16-1/2"	78A-16.5
17"	78A-17
17-1/2"	78A-17.5
18"	78A-18
18-1/2"	78A-18.5
19"	78A-19
19-1/2"	78A-19.5
20"	78A-20
20-1/2"	78A-20.5
21"	78A-21
21-1/2"	78A-21.5
22"	78A-22
22-1/2"	78A-22.5
23"	78A-23
23-1/2"	78A-23.5
24"	78A-24
24-1/2"	78A-24.5
25"	78A-25
25-1/2"	78A-25.5

Tube Length	Part Number
26"	78A-26
26-1/2"	78A-26.5
27"	78A-27
27-1/2"	78A-27.5
28"	78A-28
28-1/2"	78A-28.5
29"	78A-29
29-1/2"	78A-29.5
30"	78A-30
30-1/2"	78A-30.5
31"	78A-31
31-1/2"	78A-31.5
32"	78A-32
32-1/2"	78A-32.5
33"	78A-33
33-1/2"	78A-33.5
34"	78A-34
34-1/2"	78A-34.5
35"	78A-35
35-1/2"	78A-35.5
36"	78A-36

Ordering Information

1. Measure length of the plastic tube.
2. Select corresponding part number from the chart below.
3. To identify any attaching brackets or accessories used with your balance refer to bottom of the page.

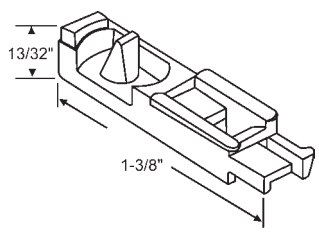
Note: Accessories must be ordered separately.

General Information

1. Gray tubes are standard stock items, all other colors must be special order.

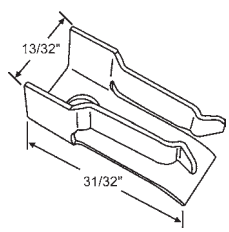
78A SERIES BALANCE ACCESSORIES

BRACKET



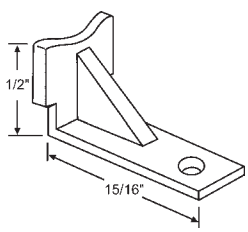
78-508

METAL SASH CLIP



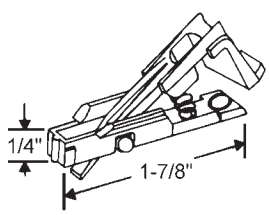
78-600

TOP SASH GUIDE



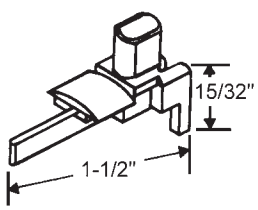
78-602

RETAINER LATCH

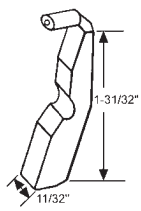


78-603

SASH CLIPS

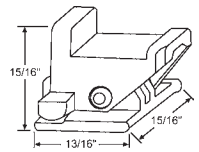


78-604

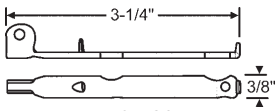


78-605

80 SERIES BALANCES



80-500
Order Separately.
If Needed Attached, Add Suffix A

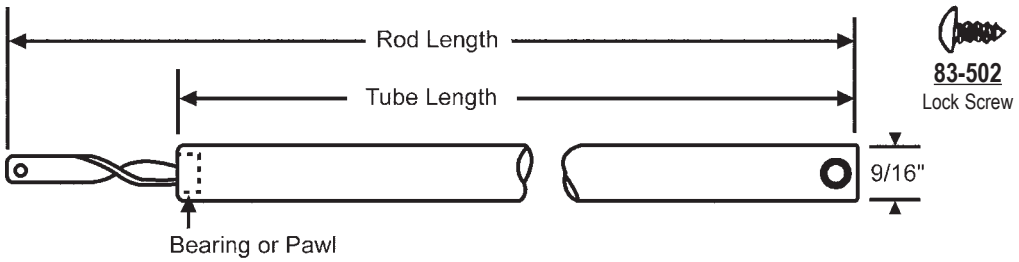


70-523
Comes Attached to Balance

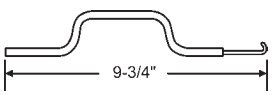
5/8" PLASTIC TUBE BALANCE

Tube diameter 9/16" but considered 5/8" in the trade.

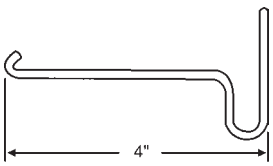
NOTE: In most cases, the 72 series balances can be used as a direct substitute. Consult your account representative.



83-502
Lock Screw



70-515
Balance Tensioning Tool



70-516
Balance Tensioning Tool

General Information

1. In the past, various bearing (or pawl) colors were used to indicate different weight ranges for these balances. The colors used were white, red, blue, black and yellow. Currently the standard color for sashes weighing up to 30 lbs. is red and for 30 to 40 lbs, sash is yellow. If your sash weighs between 30 and up to 40 lbs., please specify HD after the part number.
2. Gray tubes are standard. All other colors must be special order.

Ordering Information

1. Measure length of the plastic tube.
2. Select corresponding part number from the chart.
3. Identify which carrier or shoe to be attached as well as accessories needed with your balance.

When 80-500 is Attached
Rod length is 1-3/4" longer than tube.

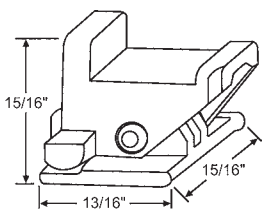
Tube Length	Part Number
16"	80-16P-1A
18"	80-18P-1A
20"	80-20P-1A
22"	80-22P-1A
23"	80-23P-1A
24"	80-24P-1A
25"	80-25P-1A
26"	80-26P-1A
27"	80-27P-1A
28"	80-28P-1A
29"	80-29P-1A
30"	80-30P-1A
32"	80-32P-1A
34"	80-34P-1A
36"	80-36P-1A

When 70-523 is Attached
Rod length is 3/4" longer than tube.

Tube Length	Part Number
16"	80-S16P-1
18"	80-S18P-1
20"	80-S20P-1
22"	80-S22P-1
23"	80-S23P-1
24"	80-S24P-1
25"	80-S25P-1
26"	80-S26P-1
27"	80-S27P-1
28"	80-S28P-1
29"	80-S29P-1
30"	80-S30P-1
32"	80-S32P-1
34"	80-S34P-1
36"	80-S36P-1

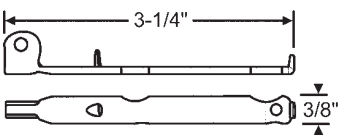
80 SERIES BALANCE ACCESSORIES

FOOT ATTACHMENT

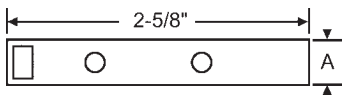


Part #	Description
80-500	No Rivet
80-500R	Includes Rivet

BRACKETS

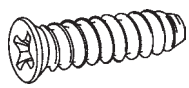


70-523
Uses Rivet 74-509



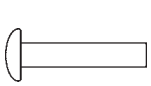
Part #	"A"
900-9939	3/8"

BALANCE SCREW



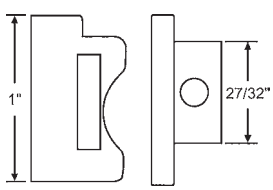
20-001
10 x 3/4", Phillips Head

RIVET



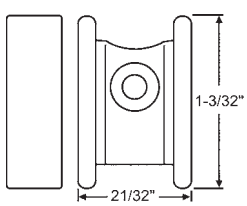
80-501
1/8" Diameter, 1/2" Length
Used With: 80-500

SASH CLIPS



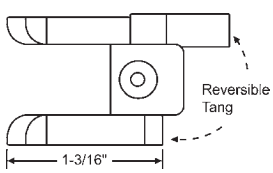
80-600A
Sash Guide Set, LH and RH

LOWER SASH BLOCK



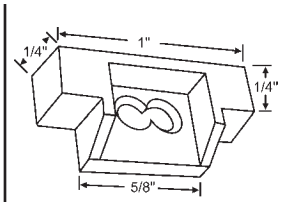
80-602

FRAME RETAINER



80-700
Nylon

TOP SASH GUIDE



900-21614

ANDERSON

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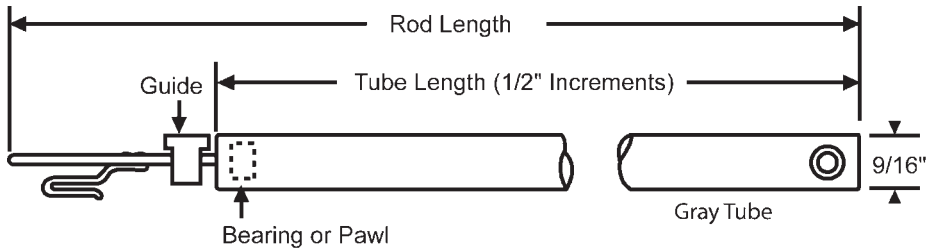
80A SERIES BALANCES

5/8" PLASTIC TUBE BALANCE

Tube diameter 9/16" but considered 5/8" in the trade.



Tube Length	Part Number
15"	80A-15
15-1/2"	80A-15.5
16"	80A-16
16-1/2"	80A-16.5
17"	80A-17
17-1/2"	80A-17.5
18"	80A-18
18-1/2"	80A-18.5
19"	80A-19
19-1/2"	80A-19.5
20"	80A-20
20-1/2"	80A-20.5
21"	80A-21
21-1/2"	80A-21.5
22"	80A-22
22-1/2"	80A-22.5
23"	80A-23
23-1/2"	80A-23.5
24"	80A-24
24-1/2"	80A-24.5
25"	80A-25

Tube Length	Part Number
25-1/2"	80A-25.5
26"	80A-26
26-1/2"	80A-26.5
27"	80A-27
27-1/2"	80A-27.5
28"	80A-28
28-1/2"	80A-28.5
29"	80A-29
29-1/2"	80A-29.5
30"	80A-30
30-1/2"	80A-30.5
31"	80A-31
31-1/2"	80A-31.5
32"	80A-32
32-1/2"	80A-32.5
33"	80A-33
33-1/2"	80A-33.5
34"	80A-34
34-1/2"	80A-34.5
35"	80A-35
35-1/2"	80A-35.5

Ordering Information

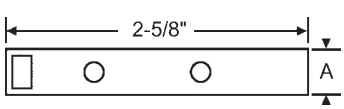
1. Measure length of the plastic tube.
2. Select corresponding part number from the chart at left.
3. Balance brackets must be ordered separately. See below.

General Information

1. In the past, various bearing (or pawl) colors were used to indicate different weight ranges for these balances. The colors used were white, red, blue, black and yellow. Currently the standard color for sashes weighing up to 30 lbs. is red and for 30 to 40 lbs, sash is yellow. If your sash weighs between 30 and 40 lbs., please specify HD after the part number. Example: If ordering a 25-1/2" balance and your sash weighs 30 to 40 lbs., your part # is 80A-25.5HD.
2. This style balance is also available in 3/8". See 78C Series.
3. Tube length is available in 1/2" increments.
4. Gray tubes are standard; other colors available. Please consult your sales representative.
5. Used primarily in Northeast-New Jersey and New York.

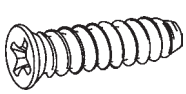
80A SERIES BALANCE ACCESSORIES

BRACKET



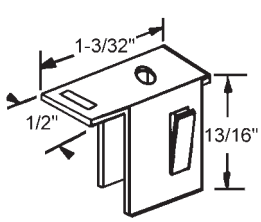
Part #	"A"
900-9939	3/8"

BALANCE SCREW

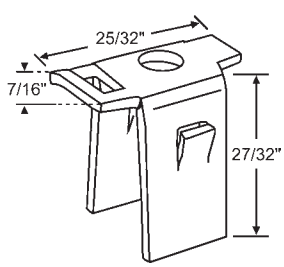


20-001
10 x 3/4", Phillips Head

BALANCE BRACKETS



900-16911
Must Be Purchased Separately

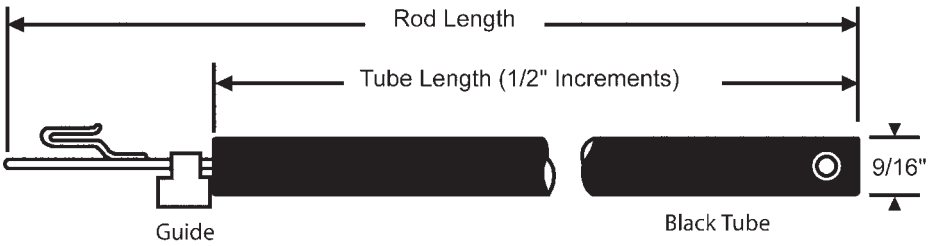


80-502
Must Be Purchased Separately

80B SERIES BALANCES

5/8" PLASTIC TUBE BALANCE

Tube diameter 9/16" but considered 5/8" in the trade.



Tube Length	Part Number
15"	**80B-15**
15-1/2"	**80B-15.5**
16"	**80B-16**
16-1/2"	**80B-16.5**
17"	**80B-17**
17-1/2"	**80B-17.5**
18"	**80B-18**
18-1/2"	**80B-18.5**
19"	**80B-19**
19-1/2"	**80B-19.5**
20"	**80B-20**
20-1/2"	**80B-20.5**
21"	**80B-21**
21-1/2"	**80B-21.5**
22"	**80B-22**
22-1/2"	**80B-22.5**
23"	**80B-23**
23-1/2"	**80B-23.5**
24"	**80B-24**
24-1/2"	**80B-24.5**
25"	**80B-25**

Tube Length	Part Number
25-1/2"	**80B-25.5**
26"	**80B-26**
26-1/2"	**80B-26.5**
27"	**80B-27**
27-1/2"	**80B-27.5**
28"	**80B-28**
28-1/2"	**80B-28.5**
29"	**80B-29**
29-1/2"	**80B-29.5**
30"	**80B-30**
30-1/2"	**80B-30.5**
31"	**80B-31**
31-1/2"	**80B-31.5**
32"	**80B-32**
32-1/2"	**80B-32.5**
33"	**80B-33**
33-1/2"	**80B-33.5**
34"	**80B-34**
34-1/2"	**80B-34.5**
35"	**80B-35**
35-1/2"	**80B-35.5**
36"	**80B-36**

Ordering Information

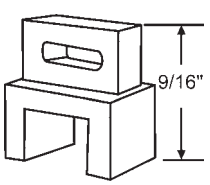
1. Measure length of the plastic tube.
2. Select corresponding part number from the chart at left.
3. Balance brackets must be ordered separately.

General Information

1. In the past, various bearing (or pawl) colors were used to indicate different weight ranges for these balances. The colors used were white, red, blue, black and yellow. Currently the standard color for sashes weighing up to 30 lbs. is red and for 30 to 40 lbs, sash is yellow. If your sash weighs between 30 and 40 lbs., please specify HD after the part number. Example: If ordering a 25-1/2" balance and your sash weighs 30 to 40 lbs., your part # is 80B-25.5HD.
2. This style balance is also available in 3/8". Please consult your sales representative.
3. Tube length is available in 1/2" increments.
4. Black tubes are standard; other colors available. Please consult your sales representative.

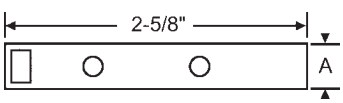
80B SERIES BALANCE ACCESSORIES

GUIDE



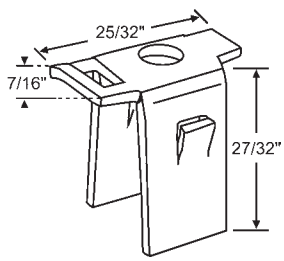
80-603
Not Sold Separately

BRACKET



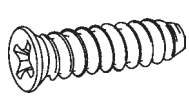
Part #	"A"
900-9939	3/8"

BALANCE BRACKET



80-502
Must be purchased separately.

BALANCE SCREW



20-001
10 x 3/4", Phillips Head

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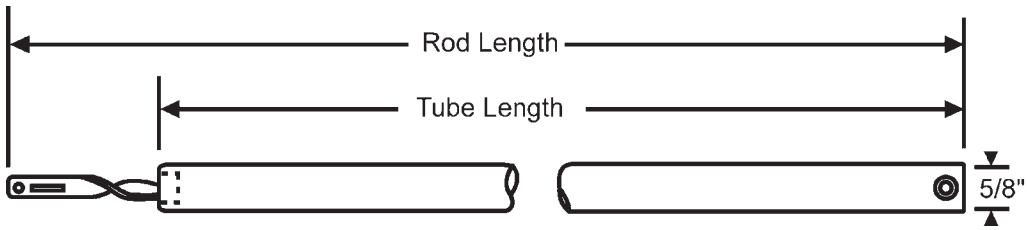
80SL SERIES BALANCES

5/8" PLASTIC TUBE BALANCE



Ordering Information

1. Measure length of the plastic tube.
2. Select corresponding part number from the chart below and order accordingly.

General Information

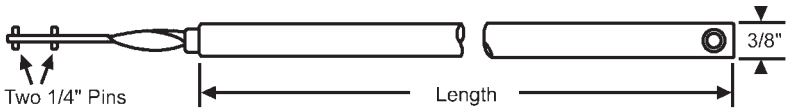
1. Gray tubes are standard. All other colors must be special ordered.

5/8" Tubes 80SL Series

Tube Length	Part Number	Tube Length	Part Number
15"	**80SL-15**	25-1/2"	**80SL-25.5**
15-1/2"	**80SL-15.5**	26"	**80SL-26**
16"	**80SL-16**	26-1/2"	**80SL-26.5**
16-1/2"	**80SL-16.5**	27"	**80SL-27**
17"	**80SL-17**	27-1/2"	**80SL-27.5**
17-1/2"	**80SL-17.5**	28"	**80SL-28**
18"	**80SL-18**	28-1/2"	**80SL-28.5**
18-1/2"	**80SL-18.5**	29"	**80SL-29**
19"	**80SL-19**	29-1/2"	**80SL-29.5**
19-1/2"	**80SL-19.5**	30"	**80SL-30**
20"	**80SL-20**	30-1/2"	**80SL-30.5**
20-1/2"	**80SL-20.5**	31"	**80SL-31**
21"	**80SL-21**	31-1/2"	**80SL-31.5**
21-1/2"	**80SL-21.5**	32"	**80SL-32**
22"	**80SL-22**	32-1/2"	**80SL-32.5**
22-1/2"	**80SL-22.5**	33"	**80SL-33**
23"	**80SL-23**	33-1/2"	**80SL-33.5**
23-1/2"	**80SL-23.5**	34"	**80SL-34**
24"	**80SL-24**	34-1/2"	**80SL-34.5**
24-1/2"	**80SL-24.5**	35"	**80SL-35**
25"	**80SL-25**		

83 SERIES BALANCES

3/8" TILT TUBE BALANCE



Now Available in White and Black Tubes.

Ordering Information

1. Measure metal tube length. (Do not include nylon bearing.)
2. Identify color of bearing (e.g. white or red) and select corresponding part number from the chart below.
3. When ordering a black or white tube, add a B (black) or W (white) at the end of the part number

General Information

Appropriate tensioning tools are 85-511 and 85-515 as shown on pages 114 and 122.

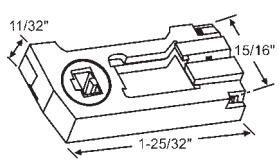
Tube Length	Bearing Color	Weight Range	Part#
10	white	4 thru 13	83-10W
10	red	8 thru 17	83-10R
10	blue	11 thru 20	83-10B
11	white	4 thru 13	83-11W
11	red	7 thru 17	83-11R
11	blue	11 thru 20	83-11B
11	green	14 thru 20	83-11G
12	white	4 thru 13	83-12W
12	red	7 thru 17	83-12R
12	blue	11 thru 20	83-12B
12	green	14 thru 20	83-12G
13	white	4 thru 13	83-13W
13	red	7 thru 17	83-13R
13	blue	11 thru 20	83-13B
13	green	14 thru 22	83-13G
14	white	4 thru 13	83-14W
14	red	6 thru 17	83-14R
14	blue	9 thru 21	83-14B
14	green	14 thru 24	83-14G
15	white	4 thru 13	83-15W
15	red	6 thru 17	83-15R
15	blue	9 thru 21	83-15B
15	green	14 thru 24	83-15G
16	red	6 thru 17	83-16R
16	blue	9 thru 21	83-16B
16	green	14 thru 24	83-16G
17	red	6 thru 17	83-17R
17	blue	9 thru 21	83-17B
17	green	14 thru 24	83-17G
17	yellow	24 thru 34	83-17Y
18	red	6 thru 16	83-18R
18	blue	9 thru 21	83-18B
18	green	14 thru 24	83-18G
18	yellow	24 thru 34	83-18Y
19	red	6 thru 16	83-19R
19	blue	9 thru 21	83-19B
19	green	14 thru 26	83-19G

Tube Length	Bearing Color	Weight Range	Part#
19	yellow	24 thru 34	83-19Y
20	red	8 thru 21	83-20R
20	blue	12 thru 22	83-20B
20	green	14 thru 26	83-20G
20	yellow	24 thru 34	83-20Y
21	white	6 thru 15	83-21W
21	red	8 thru 21	83-21R
21	blue	12 thru 22	83-21B
21	green	14 thru 26	83-21G
21	yellow	24 thru 34	83-21Y
22	red	8 thru 21	83-22R
22	blue	12 thru 22	83-22B
22	green	14 thru 26	83-22G
22	yellow	24 thru 34	83-22Y
23	red	7 thru 21	83-23R
23	blue	12 thru 22	83-23B
23	green	14 thru 26	83-23G
23	yellow	24 thru 34	83-23Y
24	red	7 thru 21	83-24R
24	blue	11 thru 22	83-24B
24	green	14 thru 26	83-24G
24	yellow	24 thru 34	83-24Y
25	white	6 thru 14	83-25W
25	red	7 thru 21	83-25R
25	blue	11 thru 22	83-25B
25	green	14 thru 26	83-25G
25	yellow	24 thru 34	83-25Y
26	red	10 thru 22	83-26R
26	green	14 thru 26	83-26G
26	yellow	24 thru 34	83-26Y
27	red	10 thru 22	83-27R
27	green	14 thru 26	83-27G
27	yellow	24 thru 34	83-27Y

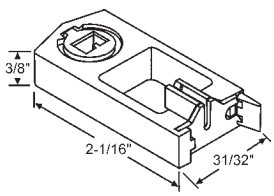
Tube Length	Bearing Color	Weight Range	Part#
28	red	10 thru 22	83-28R
28	green	14 thru 26	83-28G
28	yellow	24 thru 34	83-28Y
29	red	10 thru 22	83-29R
29	green	14 thru 26	83-29G
29	yellow	24 thru 34	83-29Y
30	red	10 thru 22	83-30R
30	green	14 thru 26	83-30G
30	yellow	24 thru 34	83-30Y
31	white	5 thru 21	83-31W
31	red	10 thru 22	83-31R
31	green	14 thru 26	83-31G
31	yellow	24 thru 34	83-31Y
32	red	10 thru 22	83-32R
32	green	14 thru 26	83-32G
32	yellow	24 thru 34	83-32Y
33	white	7 thru 22	83-33W
33	green	14 thru 26	83-33G
33	yellow	24 thru 34	83-33Y
34	white	7 thru 22	83-34W
34	green	14 thru 26	83-34G
34	yellow	24 thru 34	83-34Y
35	white	7 thru 22	83-35W
35	green	14 thru 26	83-35G
35	yellow	24 thru 34	83-35Y
36	white	7 thru 22	83-36W
36	green	14 thru 26	83-36G
36	yellow	24 thru 34	83-36Y
37	white	7 thru 22	83-37W
37	green	14 thru 26	83-37G
37	yellow	24 thru 34	83-37Y
38	white	7 thru 22	83-38W
38	green	14 thru 26	83-38G
38	yellow	24 thru 34	83-38Y
39	white	7 thru 22	83-39W
39	green	14 thru 26	83-39G
39	yellow	24 thru 34	83-39Y

83 SERIES BALANCE ACCESSORIES

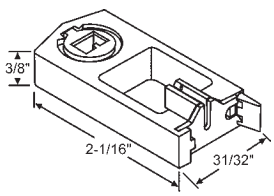
PIVOT LOCK SHOES



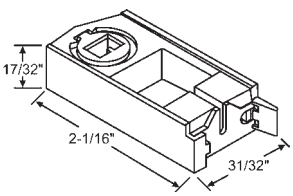
83-500
Black Cam. Opening: 1/4" x 3/16"
Used with Pivot Bar 83-504



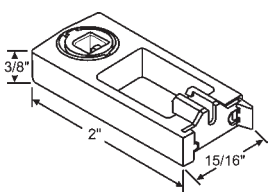
83-507
Red Cam
Opening: 1/4" x 3/16"



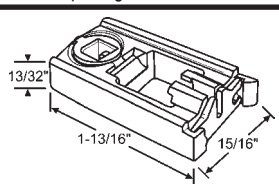
83-508
White Cam
Opening: 1/4" x 3/16"



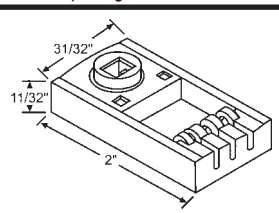
83-509
Royal Blue Cam
Opening: 1/4" x 3/16"



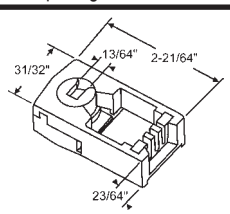
83-538
White Nylon with Red Cam
ALENCO/ PLY GEM



83-539
White Nylon with White Cam
GENERAL ALUM/ METAL INDUSTRIES



83-512
Cam Opening: 21/64" x 7/32"
4 Pins



83-514
Blue Cam
CAREFREE

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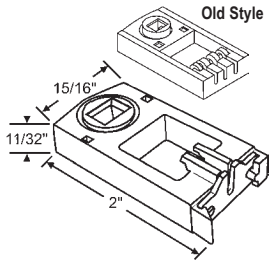
83 SERIES BALANCE ACCESSORIES

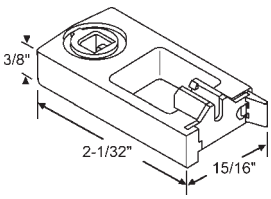
PIVOT LOCK SHOES

Old Style

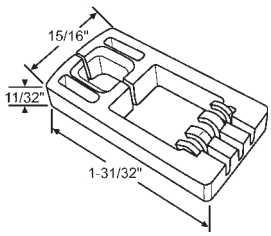


Part #	Description
83-510	Regular
83-510HD	Heavy Duty

Opening: 9/32" x 7/32"

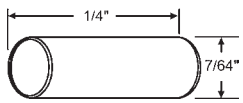


83-533
Black Cam
Opening: 5/16" x 3/16"



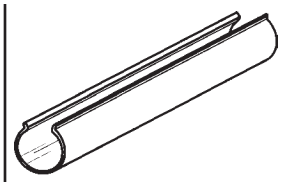
83-528
White

SPLIT ROLL PIN



83-503

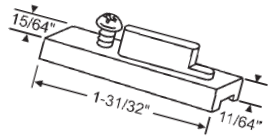
BALANCE COVER



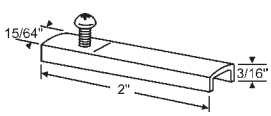
Part #	Color
83-633B	Black
83-633W	White

For 3/8" Balance Sold in 6' Lengths
ALENCO

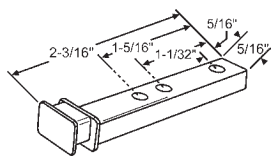
PIVOT BAR



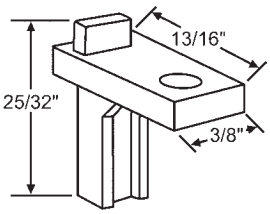
83-504
Die Cast, with Screw



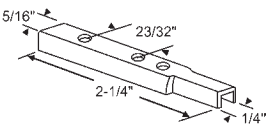
83-628
Steel Stamping. Includes Screw



83-517
Pivot Bar

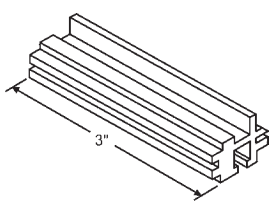


83-535
Pivot Bar



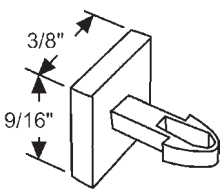
85-557
Stamped. Use with 83-506 Pivot Lock Shoe.
ROLLYSON

PIVOT BAR HOLDER



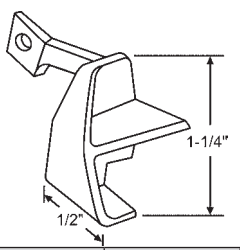
900-11662
White
REYNOLDS

PIVOT SHOE TAMP-R-LOCK



83-525
Plastic

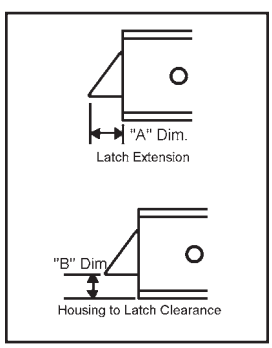
SNAP LATCH

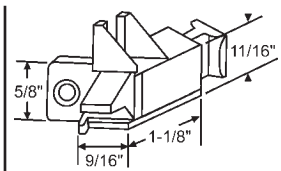


Part #	Hand
83-605	Shown
83-606	Opposite

Black
SECURITY

SLIDE/TILT LATCHES

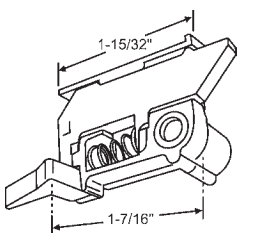




Part #	Color
83-614BA	Black

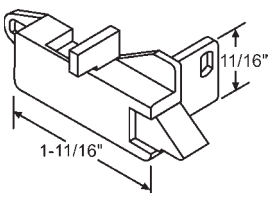
"A"	"B"
3/8"	1/4"

Sold in sets only (RH/LH).
REYNOLDS



Part #	Color
83-603BA	Black

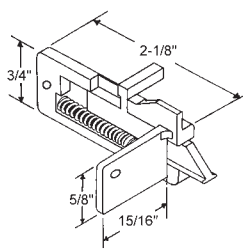
Sold in sets only. RH Shown Black with Stop
ACORN



Part #	Color
83-625BA	Black

"A"	"B"
5/16"	1/8"

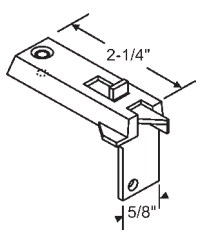
Sold in sets only (RH/LH).
ACORN



Part #	Color
83-624WA	White
83-624BA	Black

"A"	"B"
3/8"	7/32"

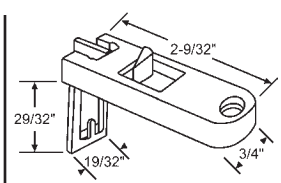
Sold in sets only. Top and Side Mounted.
BETTER-BILT



Part #	Color
83-620WA	White
83-620BA	Black

"A"	"B"
3/8"	1/4"

Sold in Sets Only. LH Shown
BETTER-BILT



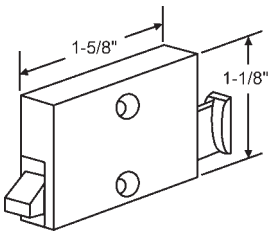
Part #	Color
83-607BA	Black
83-607WA	White

"A"	"B"
3/8"	1/4"

Sold in sets only. Top and Side Mounted.
KELLER

83 SERIES BALANCE ACCESSORIES

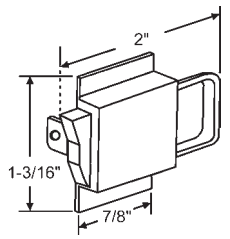
SLIDE/TILT LATCHES



Part #	Color
900-10278	Black

"A"	"B"
1/4"	1/4"

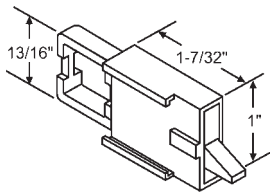
Reversible
REYNOLDS



Part #	Color
83-613	Black

"A"	"B"
3/8"	1/4"

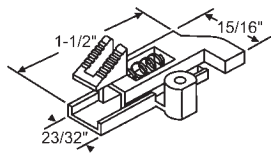
Reversible. Side Mounted
ALUM. INDUSTRIES



Part #	Hand	Color
83-617LH	Shown	Black
83-617RH	Opposite	Black

"A"	"B"
11/32"	5/16"

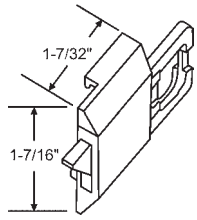
Slides onto extrusion.



Part #	Color
83-522	Black

"A"	"B"
19/64"	3/8"

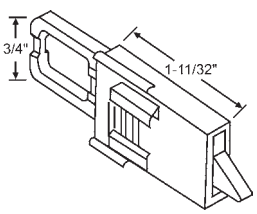
Slides onto extrusion. Black



Part #	Color
83-600BA	Black
83-600WA	White

"A"	"B"
9/32"	3/8"

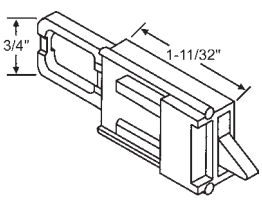
KELLER



Part #	Color
83-627BA	Black

"A"	"B"
3/8"	1/4"

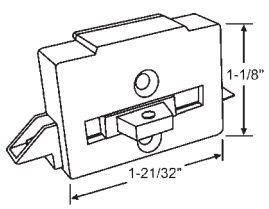
Sold in sets only. Slides onto extrusion.
BETTER-BILT



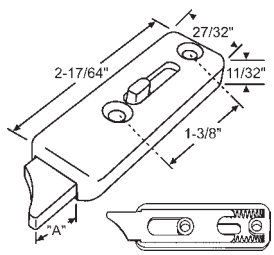
Part #	Color
83-623BA	Black

"A"	"B"
11/32"	1/4"

Sold in sets only. Slides onto extrusion.



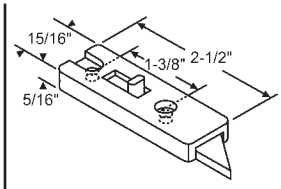
83-602
Black
ACORN



Part #	Color
83-704WA	White

"A"	"B"
19/32"	5/32"

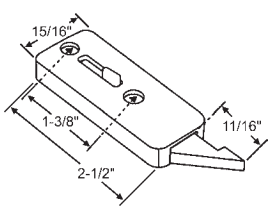
Sold in Sets Only



Part #	Color
83-523BA	Black
83-523WA	White

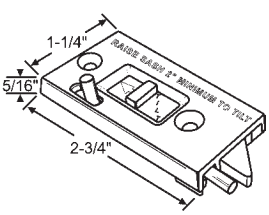
"A"	"B"
1/2"	1/4"

Sold in Sets Only
ESP/KINRO



Part #	Color
83-631	Black
83-631W	White

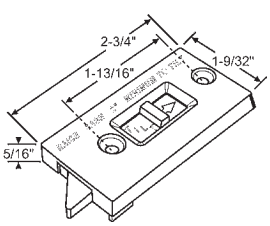
Sold as Set Only
LH Shown



Part #	Hand
83-526RW-MOD	Shown
83-526LW-MOD	Opposite

"A"	"B"
3/8"	11/32"

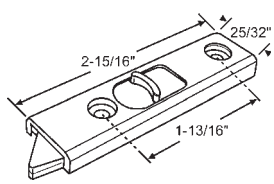
White



Part #	Color
83-526BA	Black
83-526WA	White

"A"	"B"
3/8"	5/16"

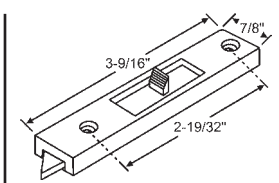
Sold in Sets Only. LH Shown.



Part #	Color
83-635BA	Black
83-635RHW	White

"A"	"B"
11/32"	1/8"

Sold in Sets Only. LH Shown.
ALENCO

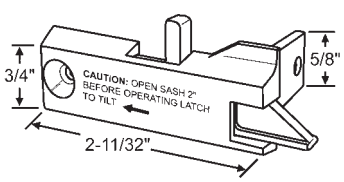


Part #	Color
83-622WA	White
83-622BA	Black
83-622BGA	Beige

"A"	"B"
3/8"	3/16"

Sold in Sets Only. LH Shown

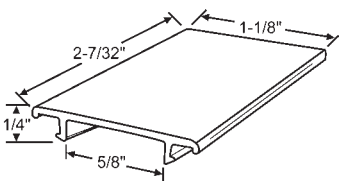
SASH STOPS



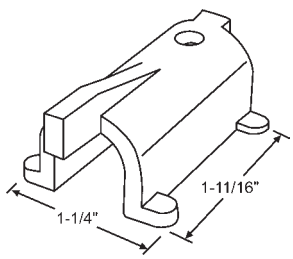
Part #	Color
83-621WA	White
83-621BA	Black

"A"	"B"
3/8"	1/8"

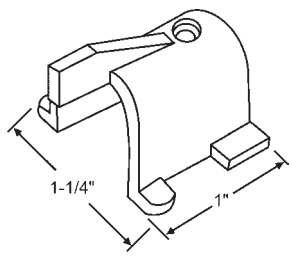
Sold in Sets Only



83-641W
White Vinyl
2-7/32" Long



83-700
Black
ACORN



Part #	Finish
900-9712	Black
900-9712W	White

ACORN

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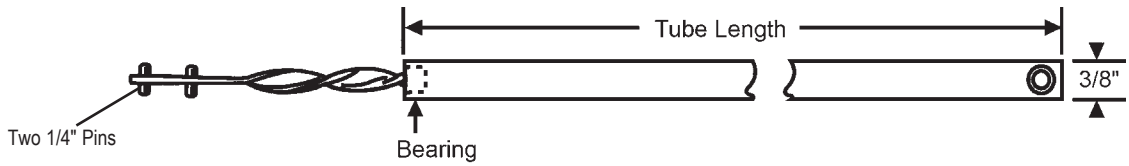
83-P SERIES BALANCE

3/8" Tilt Tube Balance



Ordering Information

1. Measure plastic tube length.
2. Identify bearing color by looking down into the tube where the rod comes out. Refer to general information #1.
3. Select the part number from the chart below for (2) 1/4" pin configuration.
4. If different configuration, select appropriate pin configuration from the chart and add the number to the end of the part number.

Example Ordering Chart

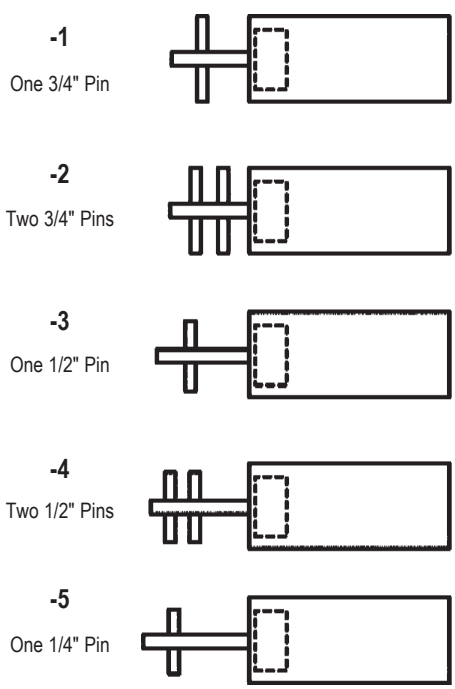
Balance Length	Tube Color	Pin Configuration	Complete Part Number
26"	White	-	**83-P26W**
19"	Black	2	**83-P19B-2**

General Information

1. The bearing (or Pawl) colors used on the 83P Series balance are white for sash weighing up to 18 lbs., and yellow for sash weighing 18 to 30 lbs. If your sash weighs between 18 and 30lbs, add HD after the part number. Example: If ordering a 36" balance for a 23 lb. sash, your part number is 83-P36HD.
2. Standard tube color is gray. If ordering white, place the letter "W" at the end of the part number. If ordering black, place the letter "B" at the end of the part number.
3. Appropriate tensioning tools are 85-511 and 85-515 as shown on pages 114 and 122.
4. Accessories must be ordered separately.

Tube Length	Tube Color	Part Number
15"	Gray	**83-P15**
16"	Gray	**83-P16**
17"	Gray	**83-P17**
18"	Gray	**83-P18**
19"	Gray	**83-P19**
20"	Gray	**83-P20**
21"	Gray	**83-P21**
22"	Gray	**83-P22**
23"	Gray	**83-P23**
24"	Gray	**83-P24**
25"	Gray	**83-P25**
26"	Gray	**83-P26**
27"	Gray	**83-P27**
28"	Gray	**83-P28**
29"	Gray	**83-P29**
30"	Gray	**83-P30**
31"	Gray	**83-P31**
32"	Gray	**83-P32**
33"	Gray	**83-P33**
34"	Gray	**83-P34**
35"	Gray	**83-P35**
36"	Gray	**83-P36**
37"	Gray	**83-P37**
38"	Gray	**83-P38**
39"	Gray	**83-P39**
40"	Gray	**83-P40**
41"	Gray	**83-P41**
42"	Gray	**83-P42**
43"	Gray	**83-P43**
44"	Gray	**83-P44**
45"	Gray	**83-P45**

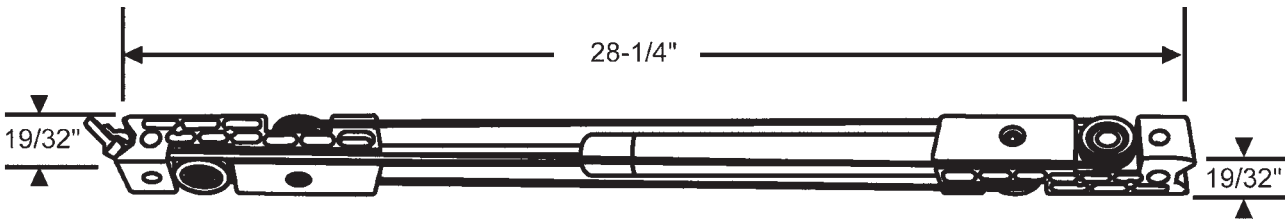
Balance Pin Options



***Other sizes available upon request.**

84 SERIES 5/8" PNEU-LIFT TILT ASSEMBLY

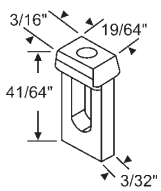
All balances are same length - Only gas pressures differ.
Will not work for the old style 3/4" balance



Suggested Weight Per Pair	Suggested Weight 4 Per Sash		Part Number
18 to 21 lbs.	36 to 42 lbs.	w/60-518 attached	**84-35-1**
18 to 21 lbs.	36 to 42 lbs.	w/900-18354 attached	**84-35-5**
21 to 24 lbs.	42 to 48 lbs.	w/60-518 attached	**84-40-1**
21 to 24 lbs.	42 to 48 lbs.	w/900-18354 attached	**84-40-5**
24 to 27 lbs.	48 to 54 lbs.	w/60-518 attached	**84-45-1**
24 to 27 lbs.	48 to 54 lbs.	w/900-18354 attached	**84-45-5**
27 to 30 lbs.	54 to 60 lbs.	w/60-518 attached	**84-50-1**
27 to 30 lbs.	54 to 60 lbs.	w/900-18354 attached	**84-50-5**
30 to 32 lbs.	60 to 64 lbs.	w/60-518 attached	**84-55-1**
30 to 32 lbs.	60 to 64 lbs.	w/900-18354 attached	**84-55-5**
32 to 36 lbs.	64 to 72 lbs.	w/60-518 attached	**84-60-1**
32 to 36 lbs.	64 to 72 lbs.	w/900-18354 attached	**84-60-5**
36 to 39 lbs.	72 to 78 lbs.	w/60-518 attached	**84-65-1**
36 to 39 lbs.	72 to 78 lbs.	w/900-18354 attached	**84-65-5**
39 to 43 lbs.	78 to 86 lbs.	w/60-518 attached	**84-70-1**
39 to 43 lbs.	78 to 86 lbs.	w/900-18354 attached	**84-70-5**
43 to 45 lbs.	86 to 90 lbs.	w/60-518 attached	**84-75-1**
43 to 45 lbs.	86 to 90 lbs.	w/900-18354 attached	**84-75-5**
45 to 48 lbs.	90 to 96 lbs.	w/60-518 attached	**84-80-1**
45 to 48 lbs.	90 to 96 lbs.	w/900-18354 attached	**84-80-5**
48 to 52 lbs.	96 to 104 lbs.	w/60-518 attached	**84-85-1**
48 to 52 lbs.	96 to 104 lbs.	w/900-18354 attached	**84-85-5**
52 to 55 lbs.	104 to 110 lbs.	w/60-518 attached	**84-90-1**
52 to 55 lbs.	104 to 110 lbs.	w/900-18354 attached	**84-90-5**
55 to 58 lbs.	110 to 116 lbs.	w/60-518 attached	**84-95-1**
55 to 58 lbs.	110 to 116 lbs.	w/900-18354 attached	**84-95-5**
58 to 62 lbs.	116 to 124 lbs.	w/60-518 attached	**84-105-1**
58 to 62 lbs.	116 to 124 lbs.	w/900-18354 attached	**84-105-5**
62 to 64 lbs.	124 to 129 lbs.	w/60-518 attached	**84-110-1**
62 to 64 lbs.	124 to 129 lbs.	w/900-18354 attached	**84-110-5**

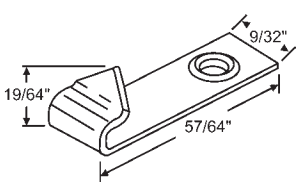
OPTIONAL END BRACKETS

-5



900-18354
If ordering with our optional 900-18354 clip attached, Please add "-5" after the part number

-1



60-518
If ordering with our optional 60-518 clip attached, Please add "-1" after the part number

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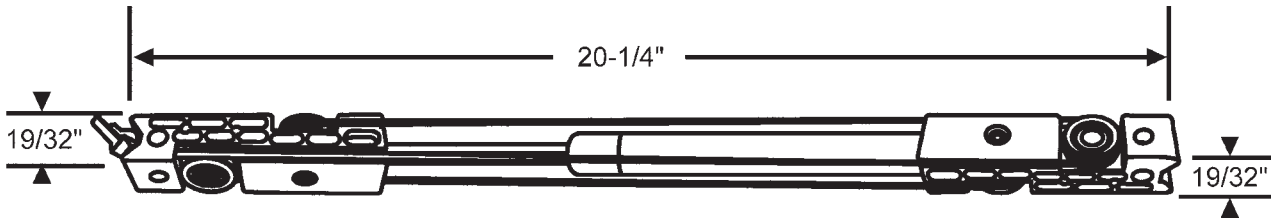
84S SERIES SHORT 5/8" PNEU-LIFT TILT ASSEMBLY

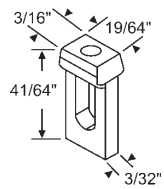


Suggested Weight Per Pair	Suggested Weight 4 Per Sash		Part Number
9 to 12 lbs.	10 to 24 lbs.	w/60-518 attached	**84S-20-1**
9 to 12 lbs.	10 to 24 lbs.	w/900-18354 attached	**84S-20-5**
12 to 15 lbs.	24 to 30 lbs.	w/60-518 attached	**84S-25-1**
12 to 15 lbs.	24 to 30 lbs.	w/900-18354 attached	**84S-25-5**
15-18 lbs.	30-36 lbs.	w/60-518 attached	**84S-30-1**
15-18 lbs.	30-36 lbs.	w/900-18354 attached	**84S-30-5**
18 to 21 lbs.	36 to 42 lbs.	w/60-518 attached	**84S-35-1**
18 to 21 lbs.	36 to 42 lbs.	w/900-18354 attached	**84S-35-5**
21 to 24 lbs.	42 to 48 lbs.	w/60-518 attached	**84S-40-1**
21 to 24 lbs.	42 to 48 lbs.	w/900-18354 attached	**84S-40-5**
24 to 27 lbs.	48 to 54 lbs.	w/60-518 attached	**84S-45-1**
24 to 27 lbs.	48 to 54 lbs.	w/900-18354 attached	**84S-45-5**
27 to 30 lbs.	54 to 60 lbs.	w/60-518 attached	**84S-50-1**
27 to 30 lbs.	54 to 60 lbs.	w/900-18354 attached	**84S-50-5**
30 to 32 lbs.	60 to 64 lbs.	w/60-518 attached	**84S-55-1**
30 to 32 lbs.	60 to 64 lbs.	w/900-18354 attached	**84S-55-5**
32 to 36 lbs.	64 to 72 lbs.	w/60-518 attached	**84S-60-1**
32 to 36 lbs.	64 to 72 lbs.	w/900-18354 attached	**84S-60-5**
36 to 39 lbs.	72 to 78 lbs.	w/60-518 attached	**84S-65-1**
36 to 39 lbs.	72 to 78 lbs.	w/900-18354 attached	**84S-65-5**
39 to 43 lbs.	78 to 86 lbs.	w/60-518 attached	**84S-70-1**
39 to 43 lbs.	78 to 86 lbs.	w/900-18354 attached	**84S-70-5**
43 to 45 lbs.	86 to 90 lbs.	w/60-518 attached	**84S-75-1**
43 to 45 lbs.	86 to 90 lbs.	w/900-18354 attached	**84S-75-5**
45 to 48 lbs.	90 to 96 lbs.	w/60-518 attached	**84S-80-1**
45 to 48 lbs.	90 to 96 lbs.	w/900-18354 attached	**84S-80-5**
48 to 52 lbs.	96 to 104 lbs.	w/60-518 attached	**84S-85-1**
48 to 52 lbs.	96 to 104 lbs.	w/900-18354 attached	**84S-85-5**
52 to 55 lbs.	104 to 110 lbs.	w/60-518 attached	**84S-90-1**
52 to 55 lbs.	104 to 110 lbs.	w/900-18354 attached	**84S-90-5**
55 to 58 lbs.	110 to 116 lbs.	w/60-518 attached	**84S-95-1**
55 to 58 lbs.	110 to 116 lbs.	w/900-18354 attached	**84S-95-5**
58 to 62 lbs.	116 to 124 lbs.	w/60-518 attached	**84S-100-1**
58 to 62 lbs.	116 to 124 lbs.	w/900-18354 attached	**84S-100-5**
62 to 64 lbs.	124 to 128 lbs.	w/60-518 attached	**84S-110-1**
52 to 64 lbs.	124 to 128 lbs.	w/900-18354 attached	**84S-110-5**

Contact Account Manager For Pricing

OPTIONAL END BRACKETS

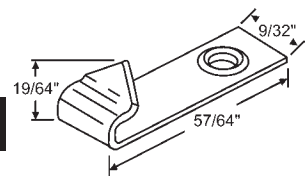
-5



900-18354

If ordering with our optional 900-18354 clip attached, Please add "-5" after the part number

-1

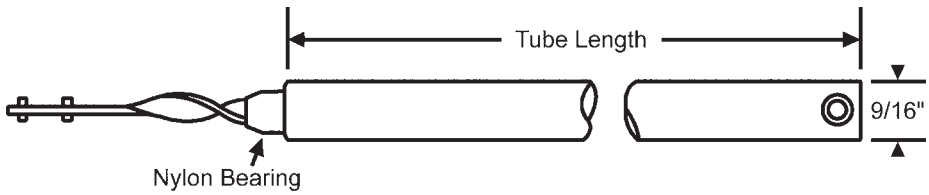


60-518

If ordering with our optional 60-518 clip attached, Please add "-1" after the part number

85 SERIES BALANCES

5/8" TILT TUBE BALANCE
9/16" but considered 5/8" in the trade.



Ordering Information

1. Measure metal tube length. (Do not include nylon bearing.)
2. Identify color of bearing (e.g. red, blue or black) and select corresponding part number from the chart below.
3. If different pin configuration, select appropriate pin configuration from the chart and add the number to the end of the part number.

Note: Accessories must be ordered separately, see pages 104 - 115.

General Information

1. Maximum tube balance length available is 60".
2. Red and blue bearings are for sashes weighing up to 30 lbs; the black bearing with the nyclad tip is for sashes weighing up to 40 lbs. Please consult your sales representative for special ordering information.
3. In most cases red bearing can be used in place of white bearing. Check with sales representative for availability of white bearing.
4. Now Available in White.
5. The appropriate tensioning tools are 85-511 and 85-515 as shown on pages 114 and 122.
6. All rod lengths are standard.

Tube Length	Red Bearing (up to 30 lbs.)	Blue Bearing (up to 30 lbs.)	Black Bearing (30 - 40 lbs.)
12"	85-12R	85-12B	---
13"	85-13R	85-13B	---
14"	85-14R	85-14B	---
15"	85-15R	85-15B	---
16"	85-16R	85-16B	---
17"	85-17R	85-17B	85-17HD
18"	85-18R	85-18B	85-18HD
19"	85-19R	85-19B	85-19HD
20"	85-20R	85-20B	85-20HD
21"	85-21R	85-21B	85-21HD
22"	85-22R	85-22B	85-22HD
23"	85-23R	85-23B	85-23HD
24"	85-24R	85-24B	85-24HD
25"	85-25R	85-25B	85-25HD
26"	85-26R	85-26B	85-26HD
27"	85-27R	85-27B	85-27HD
28"	85-28R	85-28B	85-28HD
29"	85-29R	85-29B	85-29HD
30"	85-30R	85-30B	85-30HD
31"	85-31R	85-31B	85-31HD
32"	85-32R	85-32B	85-32HD
33"	85-33R	---	85-33HD
34"	85-34R	---	85-34HD
35"	85-35R	---	85-35HD
36"	85-36R	---	85-36HD
37"	85-37R	---	85-37HD
38"	85-38R	---	85-38HD

Tube Length	Red Bearing (up to 30 lbs.)	Black Bearing (30 - 40 lbs.)
39"	85-39R	85-39HD
40"	85-40R	85-40HD
41"	85-41R	85-41HD
42"	85-42R	85-42HD
43"	85-43R	85-43HD
44"	85-44R	85-44HD
45"	85-45R	85-45HD
46"	85-46R	85-46HD
47"	85-47R	85-47HD
48"	85-48R	85-48HD
49"	85-49R	85-49HD
50"	85-50R	85-50HD
51"	85-51R	85-51HD
52"	---	85-52HD
53"	---	85-53HD
54"	---	85-54HD
55"	---	85-55HD
56"	---	85-56HD
57"	---	85-57HD
58"	---	85-58HD
59"	---	85-59HD
60"	---	85-60HD
61"	---	85-61HD
62"	---	85-62HD
63"	---	85-63HD
64"	---	85-64HD
65"	---	85-65HD
72"	---	85-72HD

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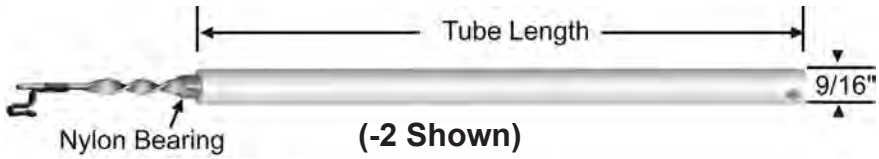
85M SERIES BALANCES

5/8" NON-TILT TUBE BALANCE
9/16" but considered 5/8" in the trade.



(-2 Shown)

Ordering Information

1. Measure metal tube length. (Do not include nylon bearing.)
2. Identify color of bearing (e.g. red, blue or black) and select corresponding part column from the chart below.
3. Select our corresponding part number from the chart below
4. Identify appropriate end bracket to be attached from the illustrations shown then add -1 or -2 to complete our part number.
5. Add suffix W to end of part number when ordering with white tube

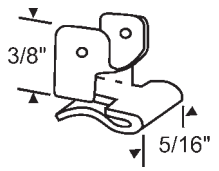
Example: 32" Balance with black bearing, #75-540 attached in white = 85M-32HD-2W

General Information

1. Maximum tube balance length available is 60".
2. Red and blue bearings are for sashes weighing up to 30 lbs; the black bearing with the nyclad tip is for sashes weighing up to 40 lbs.
3. In most cases red bearing can be used in place of white bearing.
4. Available in Mill (Standard) or White (Special Order) tube.
5. The appropriate tensioning tools are 85-511 and 85-515 as shown on pages 114 and 122.
6. All rod lengths are standard.

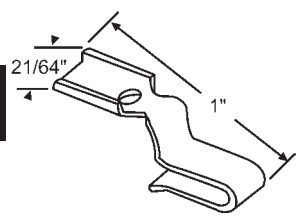
CARRIER BRACKETS

-1



75-500
Metal
CISCO

-2

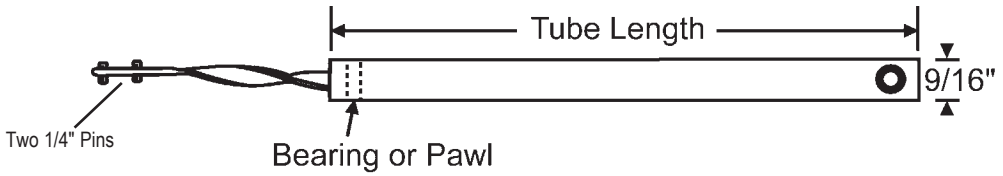


70-540
Metal
PGT

Tube Length	Red Bearing (up to 30 lbs.)	Blue Bearing (up to 30 lbs.)	Black Bearing (30 - 40 lbs.)
12"	85M-12R-	85M-12B-	---
13"	85M-13R-	85M-13B-	---
14"	85M-14R-	85M-14B-	---
15"	85M-15R-	85M-15B-	---
16"	85M-16R-	85M-16B-	---
17"	85M-17R-	85M-17B-	85M-17HD-
18"	85M-18R-	85M-18B-	85M-18HD-
19"	85M-19R-	85M-19B-	85M-19HD-
20"	85M-20R-	85M-20B-	85M-20HD-
21"	85M-21R-	85M-21B-	85M-21HD-
22"	85M-22R-	85M-22B-	85M-22HD-
23"	85M-23R-	85M-23B-	85M-23HD-
24"	85M-24R-	85M-24B-	85M-24HD-
25"	85M-25R-	85M-25B-	85M-25HD-
26"	85M-26R-	85M-26B-	85M-26HD-
27"	85M-27R-	85M-27B-	85M-27HD-
28"	85M-28R-	85M-28B-	85M-28HD-
29"	85M-29R-	85M-29B-	85M-29HD-
30"	85M-30R-	85M-30B-	85M-30HD-
31"	85M-31R-	85M-31B-	85M-31HD-
32"	85M-32R-	85M-32B-	85M-32HD-
33"	85M-33R-	85M-33B-	85M-33HD-
34"	85M-34R-	---	85M-34HD-
35"	85M-35R-	---	85M-35HD-

Tube Length	Red Bearing (up to 30 lbs.)	Black Bearing (30 - 40 lbs.)
36"	85M-36R-	85M-36HD-
37"	85M-37R-	85M-37HD-
38"	85M-38R-	85M-38HD-
39"	85M-39R-	85M-39HD-
40"	85M-40R-	85M-40HD-
41"	85M-41R-	85M-41HD-
42"	85M-42R-	85M-42HD-
43"	85M-43R-	85M-43HD-
44"	85M-44R-	85M-44HD-
45"	85M-45R-	85M-45HD-
46"	85M-46R-	85M-46HD-
47"	85M-47R-	85M-47HD-
48"	85M-48R-	85M-48HD-
49"	85M-49R-	85M-49HD-
50"	85M-50R-	85M-50HD-
51"	85M-51R-	85M-51HD-
52"	---	85M-52HD-
53"	---	85M-53HD-
54"	---	85M-54HD-
55"	---	85M-55HD-
56"	---	85M-56HD-
57"	---	85M-57HD-
58"	---	85M-58HD-
59"	---	85M-59HD-
60"	---	85M-60HD-

85-P SERIES BALANCES



Ordering Information

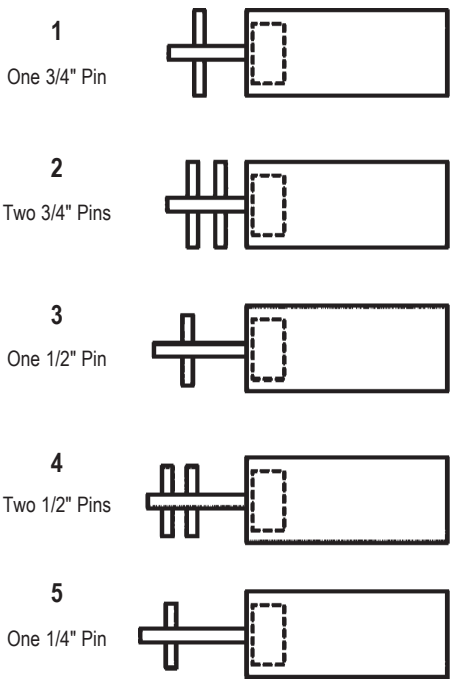
1. Measure plastic tube length.
2. Identify bearing color by looking down into the tube where the rod comes out.
3. Select the part number from the chart below if 2 1/4" pin configuration.
4. If different configuration, select appropriate pin configuration from the chart and add the number to the end of the part number.

*** Note: 1/2" sizes are Special Order Only.**

General Information

1. In the past, various bearing (or pawl) colors were used to indicate different weight ranges for these balances. The colors used were white, red, blue, black and yellow. Currently the standard color for sashes weighing up to 30 lbs. is red and for 30 to 40 lbs, sash is yellow. If your sash weighs between 30 and up to 40 lbs. Please specify HD after the part number.
2. Standard tube color is gray. If ordering white, place the letter "W" at the end of the part number. If ordering black, place the letter "B" at the end of the part number.
3. Appropriate tensioning tools are 85-511 and 85-515 as shown on pages 114 and 122.
4. Accessories must be ordered separately.

Balance Pin Options



Example Ordering Chart

Balance Length	Tube Color	Pin Configuration	Complete Part Number
26-1/2"	White	-	**85-P26.5W**
19"	Black	**2**	**85-P19B-2**

Tube Length	Part Number	Tube Length	Part Number
15"	**85-P15**	30"	**85-P30**
*15-1/2"	**85-P15.5**	*30-1/2"	**85-P30.5**
16"	**85-P16**	31"	**85-P31**
*16-1/2"	**85-P16.5**	*31-1/2"	**85-P31.5**
17"	**85-P17**	32"	**85-P32**
*17-1/2"	**85-P17.5**	*32-1/2"	**85-P32.5**
18"	**85-P18**	33"	**85-P33**
*18-1/2"	**85-P18.5**	*33-1/2"	**85-P33.5**
19"	**85-P19**	34"	**85-P34**
*19-1/2"	**85-P19.5**	*34-1/2"	**85-P34.5**
20"	**85-P20**	35"	**85-P35**
*20-1/2"	**85-P20.5**	*35-1/2"	**85-P35.5**
21"	**85-P21**	36"	**85-P36**
*21-1/2"	**85-P21.5**	*36-1/2"	**85-P36.5**
22"	**85-P22**	37"	**85-P37**
*22-1/2"	**85-P22.5**	*37-1/2"	**85-P37.5**
23"	**85-P23**	38"	**85-P38**
*23-1/2"	**85-P23.5**	*38-1/2"	**85-P38.5**
24"	**85-P24**	39"	**85-P39**
*24-1/2"	**85-P24.5**	*39-1/2"	**85-P39.5**
25"	**85-P25**	40"	**85-P40**
*25-1/2"	**85-P25.5**	*40-1/2"	**85-P40.5**
26"	**85-P26**	41"	**85-P41**
*26-1/2"	**85-P26.5**	*41-1/2"	**85-P41.5**
27"	**85-P27**	42"	**85-P42**
*27-1/2"	**85-P27.5**	*42-1/2"	**85-P42.5**
28"	**85-P28**	43"	**85-P43**
*28-1/2"	**85-P28.5**	*43-1/2"	**85-P43.5**
29"	**85-P29**	44"	**85-P44**
*29-1/2"	**85-P29.5**	*44-1/2"	**85-P44.5**
		45"	**85-P45**

AZA SALES
TOLL FREE: 1-888-926-9200
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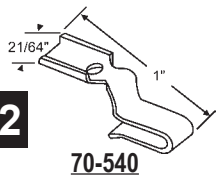
85Z SERIES BALANCES



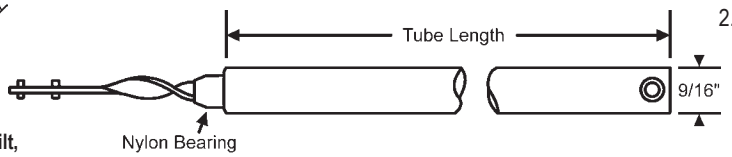
-2

70-540
Metal
PGT

To make the balance non-tilt, add suffix -2 to part number.

5/8" PRE-TENSIONED TILT METAL TUBE BALANCE

9/16" but considered 5/8" in the trade.



Ordering Information

1. Identify number stamped on balance.
2. Select our corresponding part number from the chart below.

Note: Accessories must be ordered separately, see pages 104 - 115.

Support Heavier Sash Weights with Superior Operating Performance

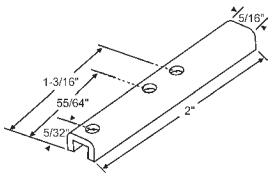
- Spiral Balances are already known for their consistent operating forces in raising and lowering sash.
- 85Z Series offers increased lift assistance to operation of heavier sash -up to 60 lbs -well beyond conventional spiral and block & tackle products available today.
- 85Z Series also eliminates the need to tension product on the job or the factory floor.
- If you currently have a window using a 5/8" spiral platform, mounting 85Z Series will remain the same. No tensioning required. It operates in the same style tilt shoes in use today. It should also fit into most windows currently utilizing our 88L Series or 60 Series Balances.
- Outwardly, it looks virtually identical to our 85 Series Balance.
- 85Z Series will fit into the same jambs that 85 Series fits into and provides a similar look.
- It's pre-tensioned. Many of our customers have been asking for a pre-tensioned spiral product. Here it is. Just mount the balance, connect the carrier, and it's done!

Other sizes available. Contact your Account Representative.

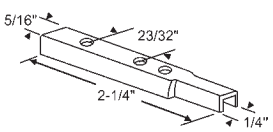
Tube Length	Number Stamped on Balance	Weight Capacity	Our Part Number	Tube Length	Number Stamped on Balance	Weight Capacity	Our Part Number	Tube Length	Number Stamped on Balance	Weight Capacity	Our Part Number	Tube Length	Number Stamped on Balance	Weight Capacity	Our Part Number
15"	E15A	4 to 8 lbs	**85Z-E15A**	21"	E21B	8 to 11 lbs	**85Z-E21B**	26"	E26B	8 to 11 lbs	**85Z-E26B**	31"	E31B	8 to 11 lbs	**85Z-E31B**
15"	E15B	8 to 11 lbs	**85Z-E15B**	21"	E21C	11 to 14 lbs	**85Z-E21C**	26"	E26C	11 to 14 lbs	**85Z-E26C**	31"	E31C	11 to 14 lbs	**85Z-E31C**
15"	E15C	11 to 14 lbs	**85Z-E15C**	21"	E21D	14 to 18 lbs	**85Z-E21D**	26"	E26D	14 to 18 lbs	**85Z-E26D**	31"	E31D	14 to 18 lbs	**85Z-E31D**
15"	E15D	14 to 18 lbs	**85Z-E15D**	21"	E21E	18 to 24 lbs	**85Z-E21E**	26"	E26E	18 to 24 lbs	**85Z-E26E**	31"	E31E	18 to 24 lbs	**85Z-E31E**
15"	E15E	18 to 24 lbs	**85Z-E15E**	21"	E21F	24 to 30 lbs	**85Z-E21F**	26"	E26F	24 to 30 lbs	**85Z-E26F**	31"	E31F	24 to 30 lbs	**85Z-E31F**
15"	E15F	24 to 28 lbs	**85Z-E15F**	21"	E21G	30 to 35 lbs	**85Z-E21G**	26"	E26G	30 to 35 lbs	**85Z-E26G**	31"	E31G	30 to 35 lbs	**85Z-E31G**
16"	E16A	4 to 8 lbs	**85Z-E16A**	21"	E21H	35 to 40 lbs	**85Z-E21H**	26"	E26H	35 to 40 lbs	**85Z-E26H**	31"	E31H	35 to 40 lbs	**85Z-E31H**
16"	E16B	8 to 11 lbs	**85Z-E16B**	21"	E21J	40 to 47 lbs	**85Z-E21J**	26"	E26J	40 to 47 lbs	**85Z-E26J**	31"	E31J	40 to 47 lbs	**85Z-E31J**
16"	E16C	11 to 14 lbs	**85Z-E16C**	21"	E21K	47 to 54 lbs	**85Z-E21K**	26"	E26K	47 to 54 lbs	**85Z-E26K**	31"	E31K	47 to 54 lbs	**85Z-E31K**
16"	E16D	14 to 18 lbs	**85Z-E16D**	21"	E21M	54 to 60 lbs	**85Z-E21M**	26"	E26M	54 to 60 lbs	**85Z-E26M**	31"	E31M	54 to 60 lbs	**85Z-E31M**
16"	E16E	18 to 24 lbs	**85Z-E16E**	22"	E22B	8 to 11 lbs	**85Z-E22B**	27"	E27B	8 to 11 lbs	**85Z-E27B**	32"	E32B	8 to 11 lbs	**85Z-E32B**
16"	E16F	24 to 28 lbs	**85Z-E16F**	22"	E22C	11 to 14 lbs	**85Z-E22C**	27"	E27C	11 to 14 lbs	**85Z-E27C**	32"	E32C	11 to 14 lbs	**85Z-E32C**
17"	E17A	4 to 8 lbs	**85Z-E17A**	22"	E22D	14 to 18 lbs	**85Z-E22D**	27"	E27D	14 to 18 lbs	**85Z-E27D**	32"	E32D	14 to 18 lbs	**85Z-E32D**
17"	E17B	8 to 11 lbs	**85Z-E17B**	22"	E22E	18 to 24 lbs	**85Z-E22E**	27"	E27E	18 to 24 lbs	**85Z-E27E**	32"	E32E	18 to 24 lbs	**85Z-E32E**
17"	E17C	11 to 14 lbs	**85Z-E17C**	22"	E22F	24 to 30 lbs	**85Z-E22F**	27"	E27F	24 to 30 lbs	**85Z-E27F**	32"	E32F	24 to 30 lbs	**85Z-E32F**
17"	E17D	14 to 18 lbs	**85Z-E17D**	22"	E22G	30 to 35 lbs	**85Z-E22G**	27"	E27G	30 to 35 lbs	**85Z-E27G**	32"	E32G	30 to 35 lbs	**85Z-E32G**
17"	E17E	18 to 24 lbs	**85Z-E17E**	22"	E22H	35 to 40 lbs	**85Z-E22H**	27"	E27H	35 to 40 lbs	**85Z-E27H**	32"	E32H	35 to 40 lbs	**85Z-E32H**
17"	E17F	24 to 30 lbs	**85Z-E17F**	22"	E22J	40 to 47 lbs	**85Z-E22J**	27"	E27J	40 to 47 lbs	**85Z-E27J**	32"	E32J	40 to 47 lbs	**85Z-E32J**
17"	E17G	30 to 35 lbs	**85Z-E17G**	22"	E22K	47 to 54 lbs	**85Z-E22K**	27"	E27K	47 to 54 lbs	**85Z-E27K**	32"	E32K	47 to 54 lbs	**85Z-E32K**
17"	E17H	35 to 40 lbs	**85Z-E17H**	22"	E22M	54 to 60 lbs	**85Z-E22M**	27"	E27M	54 to 60 lbs	**85Z-E27M**	32"	E32M	54 to 60 lbs	**85Z-E32M**
18"	E18B	8 to 11 lbs	**85Z-E18B**	23"	E23B	8 to 11 lbs	**85Z-E23B**	28"	E28B	8 to 11 lbs	**85Z-E28B**	33"	E33C	12 to 14 lbs	**85Z-E33C**
18"	E18C	11 to 14 lbs	**85Z-E18C**	23"	E23C	11 to 14 lbs	**85Z-E23C**	28"	E28C	11 to 14 lbs	**85Z-E28C**	33"	E33D	14 to 18 lbs	**85Z-E33D**
18"	E18D	14 to 18 lbs	**85Z-E18D**	23"	E23D	14 to 18 lbs	**85Z-E23D**	28"	E28D	14 to 18 lbs	**85Z-E28D**	33"	E33E	18 to 24 lbs	**85Z-E33E**
18"	E18E	18 to 24 lbs	**85Z-E18E**	23"	E23E	18 to 24 lbs	**85Z-E23E**	28"	E28E	18 to 24 lbs	**85Z-E28E**	33"	E33F	24 to 30 lbs	**85Z-E33F**
18"	E18F	24 to 30 lbs	**85Z-E18F**	23"	E23F	24 to 30 lbs	**85Z-E23F**	28"	E28F	24 to 30 lbs	**85Z-E28F**	33"	E33G	30 to 35 lbs	**85Z-E33G**
18"	E18G	30 to 35 lbs	**85Z-E18G**	23"	E23G	30 to 35 lbs	**85Z-E23G**	28"	E28G	30 to 35 lbs	**85Z-E28G**	33"	E33H	35 to 40 lbs	**85Z-E33H**
18"	E18H	35 to 40 lbs	**85Z-E18H**	23"	E23H	35 to 40 lbs	**85Z-E23H**	28"	E28H	35 to 40 lbs	**85Z-E28H**	33"	E33J	40 to 47 lbs	**85Z-E33J**
18"	E18J	40 to 47 lbs	**85Z-E18J**	23"	E23J	40 to 47 lbs	**85Z-E23J**	28"	E28J	40 to 47 lbs	**85Z-E28J**	33"	E33K	47 to 54 lbs	**85Z-E33K**
18"	E18K	47 to 54 lbs	**85Z-E18K**	23"	E23K	47 to 54 lbs	**85Z-E23K**	28"	E28K	47 to 54 lbs	**85Z-E28K**	33"	E33M	54 to 60 lbs	**85Z-E33M**
18"	E18M	54 to 60 lbs	**85Z-E18M**	23"	E23M	54 to 60 lbs	**85Z-E23M**	28"	E28M	54 to 60 lbs	**85Z-E28M**	34"	E34C	12 to 14 lbs	**85Z-E34C**
19"	E19B	8 to 11 lbs	**85Z-E19B**	24"	E24B	8 to 11 lbs	**85Z-E24B**	29"	E29B	8 to 11 lbs	**85Z-E29B**	34"	E34D	14 to 18 lbs	**85Z-E34D**
19"	E19C	11 to 14 lbs	**85Z-E19C**	24"	E24C	11 to 14 lbs	**85Z-E24C**	29"	E29C	11 to 14 lbs	**85Z-E29C**	34"	E34E	18 to 24 lbs	**85Z-E34E**
19"	E19D	14 to 18 lbs	**85Z-E19D**	24"	E24D	14 to 18 lbs	**85Z-E24D**	29"	E29D	14 to 18 lbs	**85Z-E29D**	34"	E34F	24 to 30 lbs	**85Z-E34F**
19"	E19E	18 to 24 lbs	**85Z-E19E**	24"	E24E	18 to 24 lbs	**85Z-E24E**	29"	E29E	18 to 24 lbs	**85Z-E29E**	34"	E34G	30 to 35 lbs	**85Z-E34G**
19"	E19F	24 to 30 lbs	**85Z-E19F**	24"	E24F	24 to 30 lbs	**85Z-E24F**	29"	E29F	24 to 30 lbs	**85Z-E29F**	34"	E34H	35 to 40 lbs	**85Z-E34H**
19"	E19G	30 to 35 lbs	**85Z-E19G**	24"	E24G	30 to 35 lbs	**85Z-E24G**	29"	E29G	30 to 35 lbs	**85Z-E29G**	34"	E34J	40 to 47 lbs	**85Z-E34J**
19"	E19H	35 to 40 lbs	**85Z-E19H**	24"	E24H	35 to 40 lbs	**85Z-E24H**	29"	E29H	35 to 40 lbs	**85Z-E29H**	34"	E34K	47 to 54 lbs	**85Z-E34K**
19"	E19J	40 to 47 lbs	**85Z-E19J**	24"	E24J	40 to 47 lbs	**85Z-E24J**	29"	E29J	40 to 47 lbs	**85Z-E29J**	34"	E34M	54 to 60 lbs	**85Z-E34M**
19"	E19K	47 to 54 lbs	**85Z-E19K**	24"	E24K	47 to 54 lbs	**85Z-E24K**	29"	E29K	47 to 54 lbs	**85Z-E29K**	35"	E35C	12 to 14 lbs	**85Z-E35C**
19"	E19M	54 to 60 lbs	**85Z-E19M**	24"	E24M	54 to 60 lbs	**85Z-E24M**	29"	E29M	54 to 60 lbs	**85Z-E29M**	35"	E35D	14 to 18 lbs	**85Z-E35D**
20"	E20B	8 to 11 lbs	**85Z-E20B**	25"	E25B	8 to 11 lbs	**85Z-E25B**	30"	E30B	8 to 11 lbs	**85Z-E30B**	35"	E35E	18 to 24 lbs	**85Z-E35E**
20"	E20C	11 to 14 lbs	**85Z-E20C**	25"	E25C	11 to 14 lbs	**85Z-E25C**	30"	E30C	11 to 14 lbs	**85Z-E30C**	35"	E35F	24 to 30 lbs	**85Z-E35F**
20"	E20D	14 to 18 lbs	**85Z-E20D**	25"	E25D	14 to 18 lbs	**85Z-E25D**	30"	E30D	14 to 18 lbs	**85Z-E30D**	35"	E35G	30 to 35 lbs	**85Z-E35G**
20"	E20E	18 to 24 lbs	**85Z-E20E**	25"	E25E	18 to 24 lbs	**85Z-E25E**	30"	E30E	18 to 24 lbs	**85Z-E30E**	35"	E35H	35 to 40 lbs	**85Z-E35H**
20"	E20F	24 to 30 lbs	**85Z-E20F**	25"	E25F	24 to 30 lbs	**85Z-E25F**	30"	E30F	24 to 30 lbs	**85Z-E30F**	35"	E35J	40 to 47 lbs	**85Z-E35J**
20"	E20G	30 to 35 lbs	**85Z-E20G**	25"	E25G	30 to 35 lbs	**85Z-E25G**	30"	E30G	30 to 35 lbs	**85Z-E30G**	35"	E35K	47 to 54 lbs	**85Z-E35K**
20"	E20H	35 to 40 lbs	**85Z-E20H**	25"	E25H	35 to 40 lbs	**85Z-E25H**	30"	E30H	35 to 40 lbs	**85Z-E30H**	35"	E35M	54 to 60 lbs	**85Z-E35M**
20"	E20J	40 to 47 lbs	**85Z-E20J**	25"	E25J	40 to 47 lbs	**85Z-E25J**	30"	E30J	40 to 47 lbs	**85Z-E30J**				
20"	E20K	47 to 54 lbs	**85Z-E20K**	25"	E25K	47 to 54 lbs	**85Z-E25K**	30"	E30K	47 to 54 lbs	**85Z-E30K**				
20"	E20M	54 to 60 lbs	**85Z-E20M**	25"	E25M	54 to 60 lbs	**85Z-E25M**	30"	E30M	54 to 60 lbs	**85Z-E30M**				

85 SERIES BALANCE ACCESSORIES

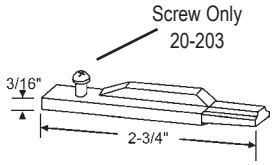
PIVOT BARS



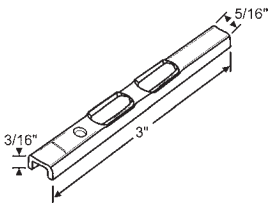
900-14310
Stainless Steel
FIBERLUX



85-557
Stamped. Use with 83-506 Pivot Lock Shoe.
ROLLYSON

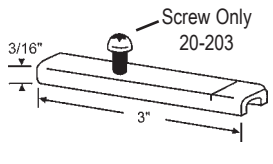


85-500
Die Cast with Screw. Use with 85-517 Pivot Lock Shoe.
TROCAL

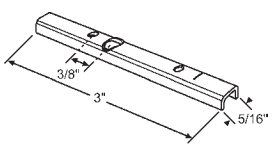


Part #	Description
85-513	Steel
85-513SS	Stainless Steel

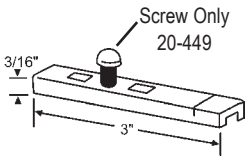
Slotted Pivot Bar



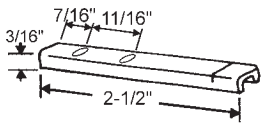
85-501
Stamped with Screw
ACORN/NORANDEX



85-5025



85-514
Stamped



85-591E
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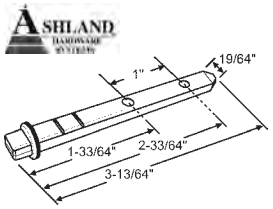
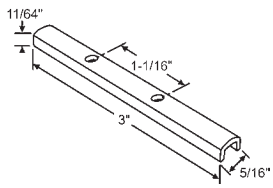
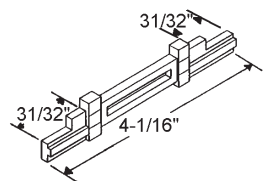


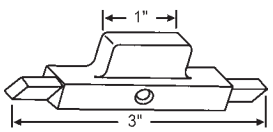
85-895
Zinc Die Cast



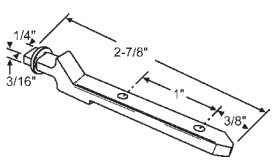
900-17544



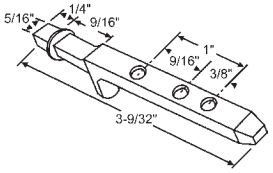
900-14299
Die Cast
SWS



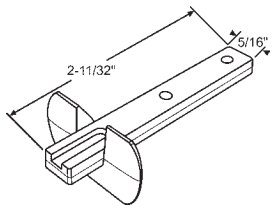
900-10700
Die Cast
SEASONALL



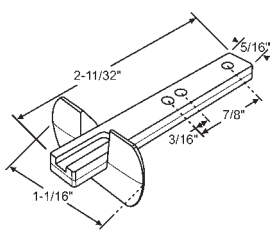
85-5005
Zinc Die Cast



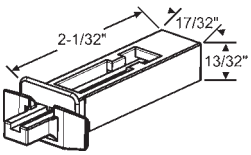
85-5003
Die Cast
SIMONTON



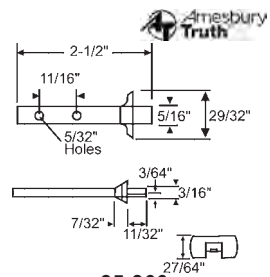
900-22450
"Old Style" Metal Die Cast



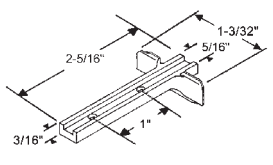
900-22450NS
"New Style" Metal Die Cast



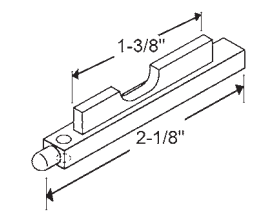
85-1197A
Pivot Bar & Housing Assembly.
Clear Nylon Housing
w/ Die Cast Pivot Bar
SILVER LINE



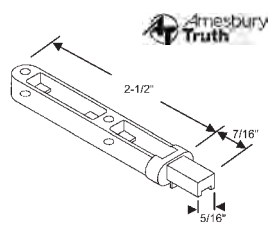
85-866
Die Cast
SILVER LINE



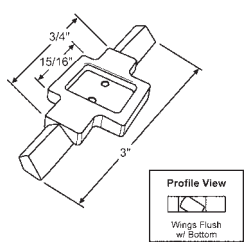
85-718
Die Cast
SILVER LINE



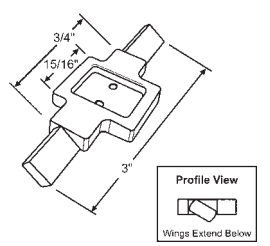
85-698
Bar Only. Die Cast
BETTER-BILT



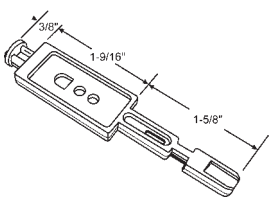
85-573
Universal Pivot Bar. Die Cast



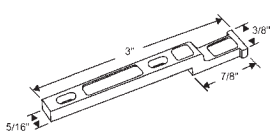
900-20043
Old Style



900-8599
New Style. Die Cast
TRACO



900-18822
Die Cast
ACRO/SLOCOMB

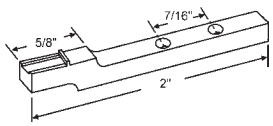


85-852
Die Cast

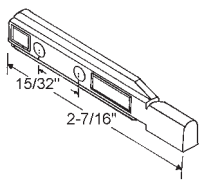
AZA SALES
TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

85 SERIES BALANCE ACCESSORIES

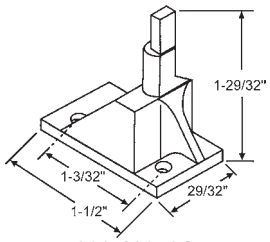
PIVOT BARS



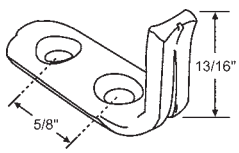
85-585



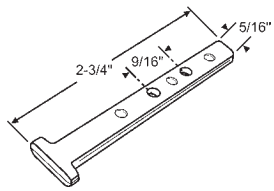
900-18821
RH (shown) and LH Set
Die Cast



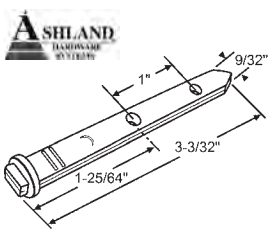
900-13070A
Die Cast. Sold in sets only.



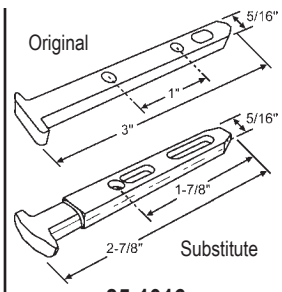
85-5035
Sash Pivot Pin Kit. Kit Includes two Sash Pivot Pins w/ Screws
PEACHTREE



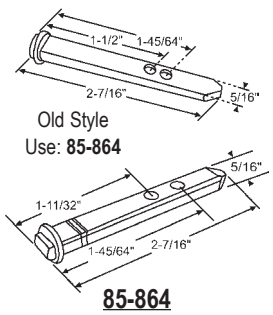
85-764
Zinc Die Cast



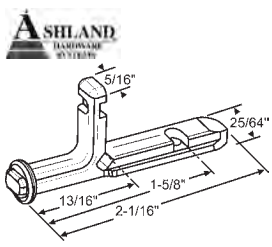
900-21355
Zinc Die Cast



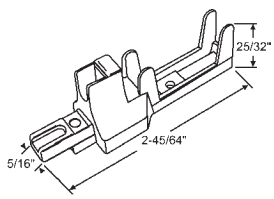
85-1016
Zinc Die Cast



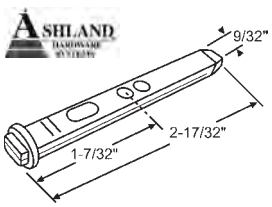
85-864
Die Cast



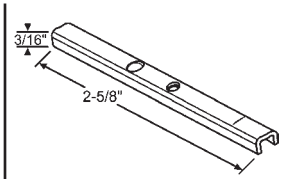
85-1062A
Zinc Die Cast
(Packed & Sold in Pairs)



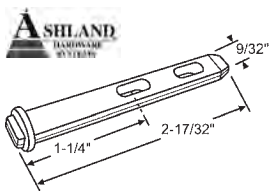
85-744
Die Cast



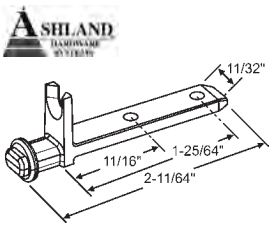
85-998
Zinc Die Cast



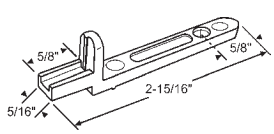
85-522
Metal
KRESTMARK



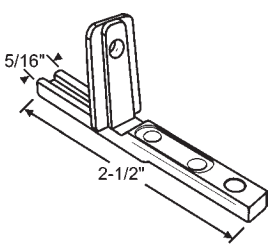
900-21878
Zinc Die Cast



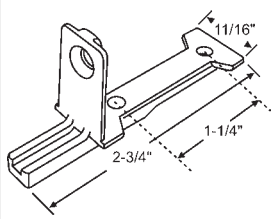
85-1053
Zinc Die Cast



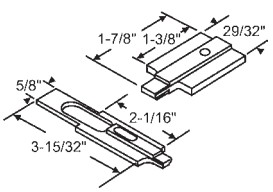
85-1044
Zinc Die Cast
REYNOLDS



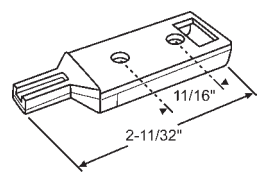
85-1129
Metal



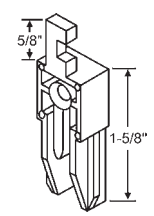
85-766
SPECTUS



85-822
Sold in sets only (1 short, 1 long). Stamped. Used with 85-525 Pivot Lock Shoe.
THERMALGARD

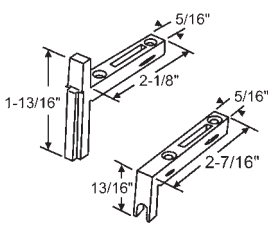


85-788NW
Zinc Die Cast (No Wings)



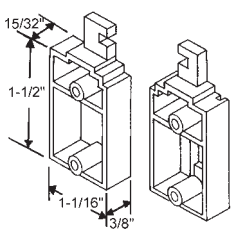
900-18446A
Die Cast. Sold in sets only.
HARVEY

PIVOT BAR SETS

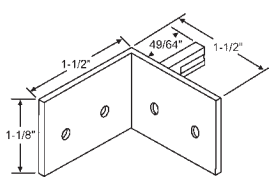


85-886PA
Set. White Plastic

PIVOT ANGLE BRACKETS

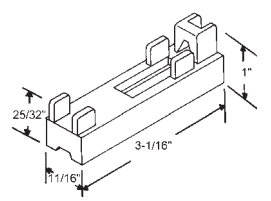


85-564
Die Cast
HARVEY

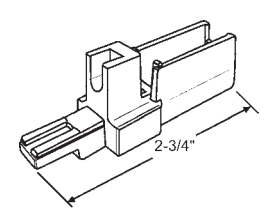


900-16398A
Sash Pivot Angle Bracket Set (LH/RH). Aluminum

PIVOT BAR CORNER



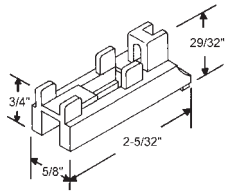
900-20368
Bottom Pivot Bar Corner
Used with 85-717 & 85-718
SILVER LINE



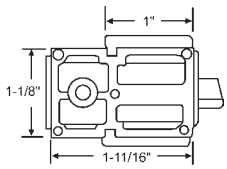
900-15752
Die Cast

85 SERIES BALANCE ACCESSORIES

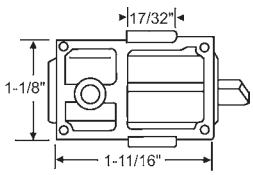
PIVOT HOUSINGS



85-717
White. Use with 85-718 Pivot Bar.
SILVER LINE

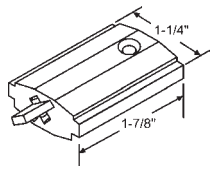


900-12809BA
Sold in sets only. Upper
Black
AMACOR



900-12810BA
Sold in sets only. Lower
Black
AMACOR

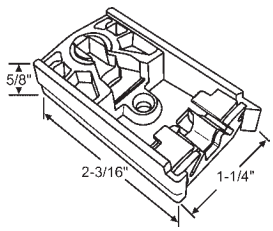
PIVOT BLOCK



Part #	Hand
900-2367RH	Shown
900-2367LH	Opposite

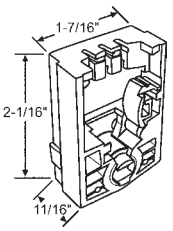
Black
ALENCO

CARRIER ASSEMBLY



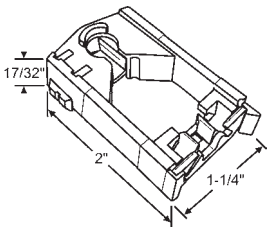
85-5016
POS Lock w/ Torque Plate

LOCKING TERMINAL



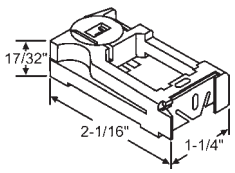
85-973
REPUBLIC

PIVOT LOCK SHOES

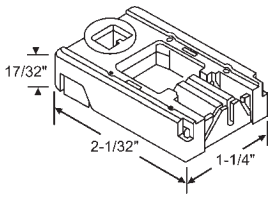


85-799
With White Cam
CALDWELL

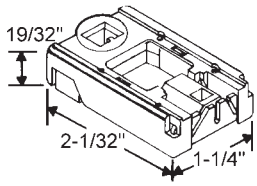
PIVOT LOCK SHOES



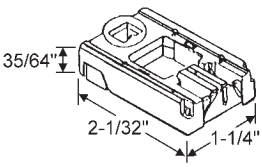
85-503
Blue Cam
Cam Opening: 5/16" x 3/16"
ACORN/NORANDEX



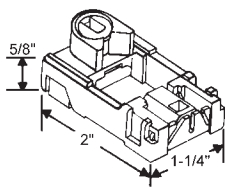
85-516
Tan Cam
Cam Opening: 3/8" x 3/16"
FIBERLUX



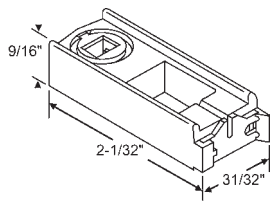
85-505
Die Cast Cam
No Longer Available
Use: 85-517



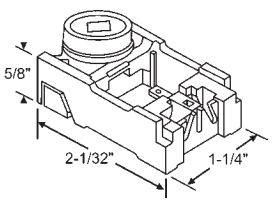
85-541
Blue Cam with White Brake
Cam Opening: 3/8" x 5/32"



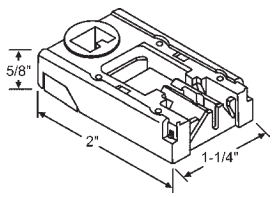
85-518
Red Cam
Cam Opening: 3/8" x 3/16"
TRACO



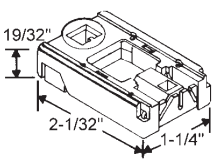
85-544
White Cam
Cam Opening: 5/16" x 3/16"



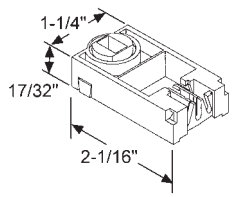
85-525
Black Cam
Cam Opening: 5/16" x 3/16"
THERMALGARD



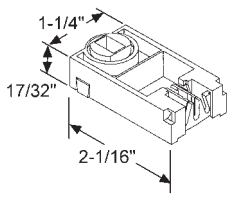
85-540
Black Cam
Cam Opening: 5/16" x 3/16"
Uses 85-550 Spacer.



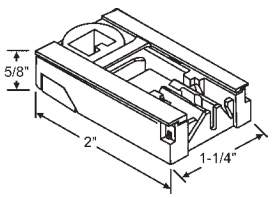
85-517
Black Cam
Cam Opening: 3/8" x 3/16"



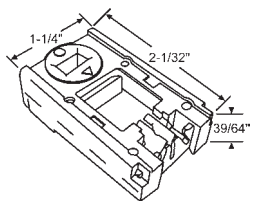
85-590
Blue Cam & Blue Brake w/max width opening of 1.310
Cam Openings = 5/16" x 3/16"



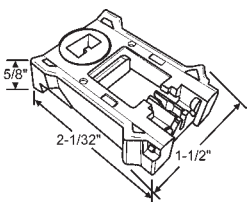
85-588
Blue Cam & Black Brake Puck
Cam Opening: 5/16" x 3/16".



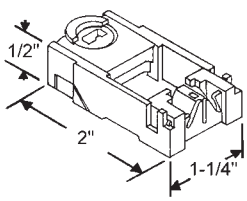
85-589
Black Cam



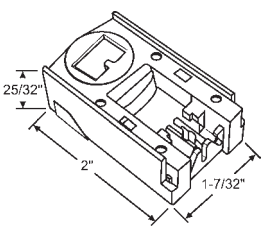
85-534
Light Green Cam



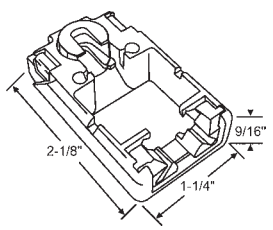
85-539
Natural Cam
Cam Opening: 5/16" x 3/16".
Can be used in place of 85-540 with 85-550



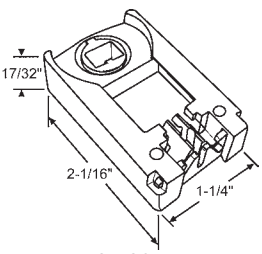
85-531
Die Cast Cam
Cam Opening: 5/16" x 3/16".
WINTERSEAL



85-5045



900-21341
Blue-Gray Pad - .055 Pad Projection. Replaces White Pad.



85-807
w/White Cam
CALDWELL

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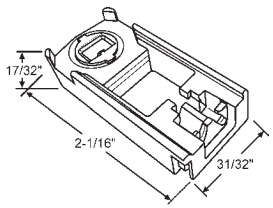
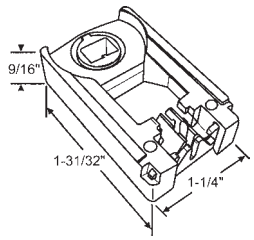
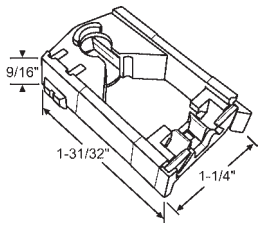
PIVOT LOCK SHOES



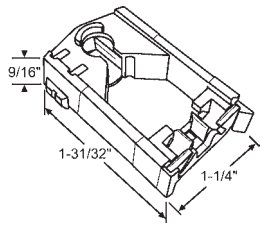
85-802
w/Black Cam



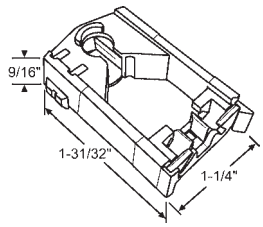
85-804
Black Cam



85-570
Black Enforcer

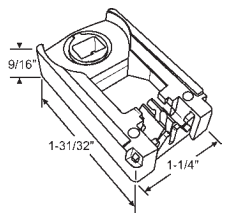


85-800
Natural Cam
Orange Locking Pad

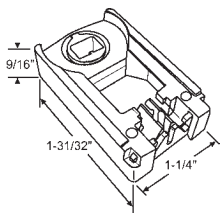


85-801
Natural Cam
Navy Blue Locking Pad

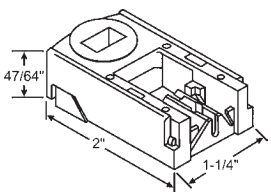
PIVOT LOCK SHOE FILLERS



85-805
Orange Cam

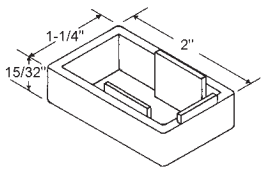


85-806
Navy Blue Cam

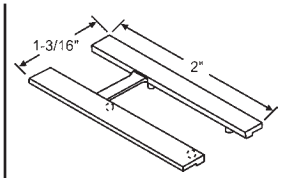


85-537
Natural Cam
Cam Opening: 1/2" x 5/16"

SPACER SHIM

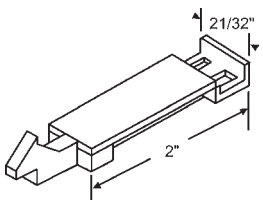


85-559
Used with Pivot Lock
Shoe 85-517.
MANNIX

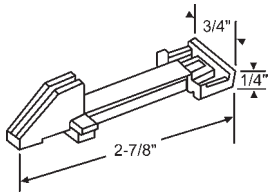


85-524
Used with 85-517
1/32" Thick

SLIDE GUIDES

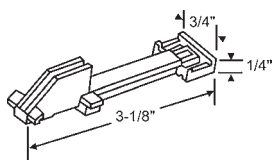


85-601
White
TRACO



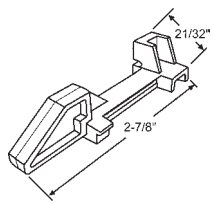
Part #	Color
85-506	Natural
85-506B	Black

GRAHAM



Part #	Color
85-507	White

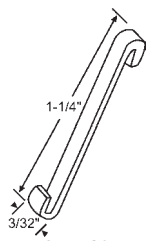
WEATHERCRAFT



Part #	Hand
85-772RH	Shown
85-772LH	Opposite

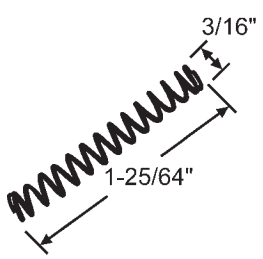
Slide Bolt

SPRING HOOK



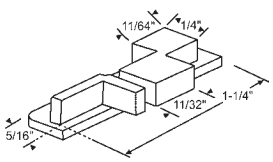
85-510
Metal
TRACO

SPRING



85-509

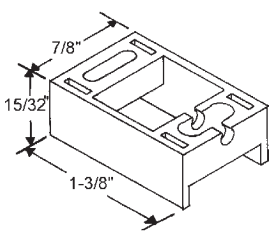
DUST COVER



Part #	Hand
900-6783RH	Shown
900-6783LH	Opposite

White

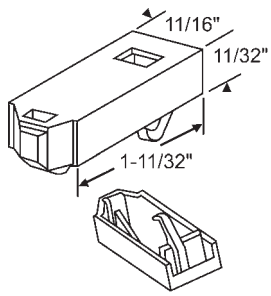
HOUSING PLUG



Part #	Color
900-5789	White
900-5789BR	Brown
900-5789BG	Beige

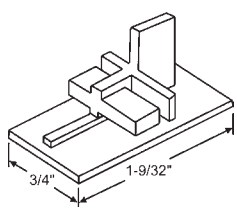
FIBERLUX

TAMP-R-LOCKS



85-606
Black
Used with 85-518

SLIDE GUIDES



Part #	Color
85-605A	Black
85-605WA	White

Lower. Sold in sets only.
TRACO

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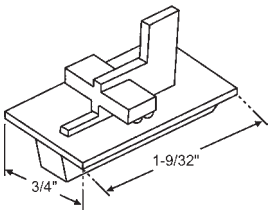
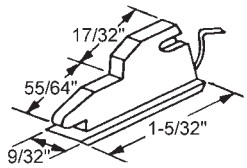
SLIDE GUIDES



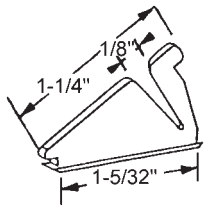
No Longer Available
Use: 85-603 or 85-603N

VENT LOCKS

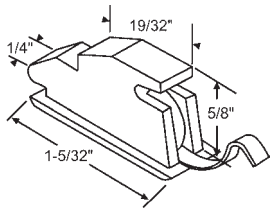


Part #	Color
900-11406	White
900-11406B	Black
900-11406BR	Brown
900-11406BG	Beige

ALL WEATHER/ROLLYSON

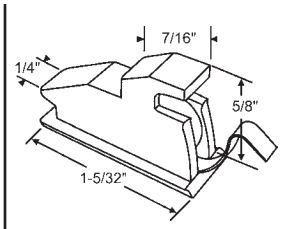


Part #	Color
900-12557	White

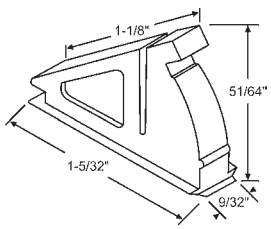


Part #	Color
900-2433	White
900-2433BG	Beige

FIBERLUX

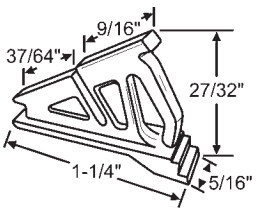


Part #	Color
900-16381	Beige

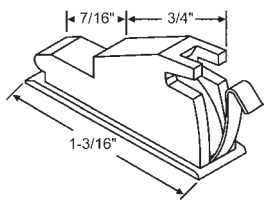


Part #	Color
900-16594	White

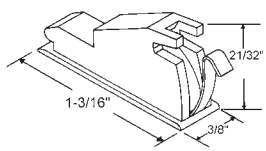
FIBERLUX



Part #	Color
900-19788	Beige
900-19788B	Black
900-19788W	White



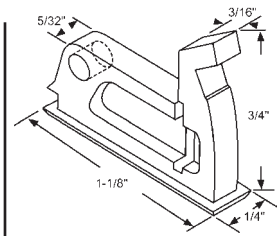
Part #	Color
900-20055W	White
900-20055BG	Beige
900-20055LGY	Light Gray



Part #	Color
900-7796	White

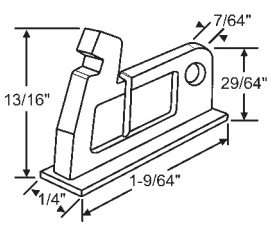
No longer available.
Use: 900-20055W

SEASONALL



Part #	Color
85-825BZ	Dark Bronze

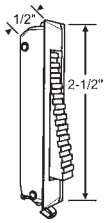
VENT STOP



Part #	Color
900-22266W	White
900-22266BEW	Blue White

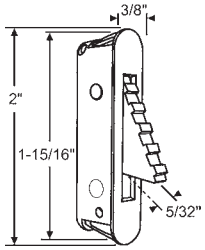
Nylon

INTERSTATE

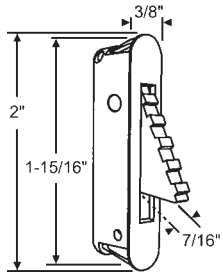


Part #	Color
900-13386	White
900-13386BR	Brown
900-13386BG	Beige

TRACO

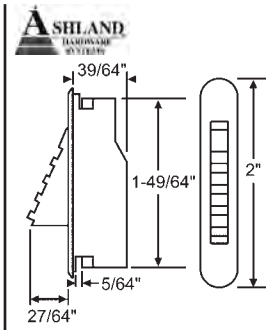


Part #	Color
85-985BG	Beige
85-985W	White



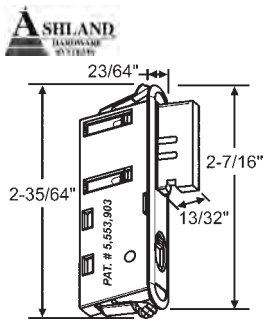
Part #	Color
900-20122W	White
900-20122BR	Dark Brown

Limit Latch

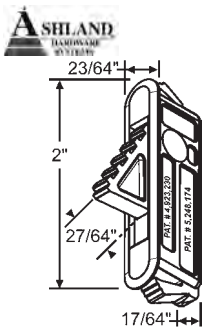


85-1245EW
Euro-White

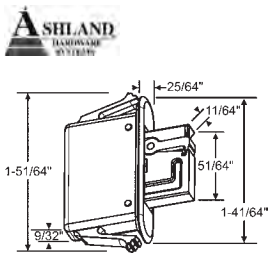
SASH STOPS



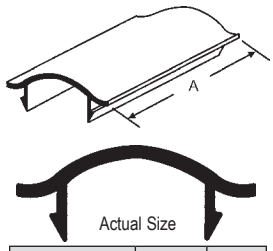
85-956W
White



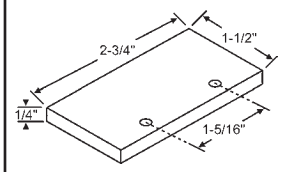
85-849W
White



900-21461
White
Universal Vent Lock



Part #	Color	"A"
900-8547B	Black	3"
900-8547B-4	Black	4"
900-8547B-6	Black	6"
900-8547B-24	Black	24"
900-8547W-6	White	6"



900-21112
Black
Anodized Aluminum

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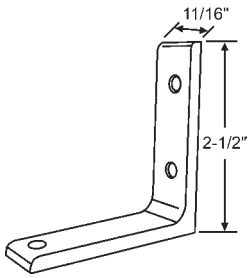
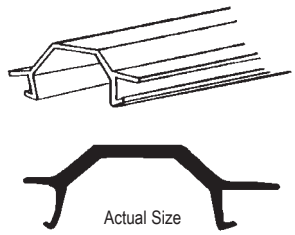
85 SERIES BALANCE ACCESSORIES

SASH STOPS

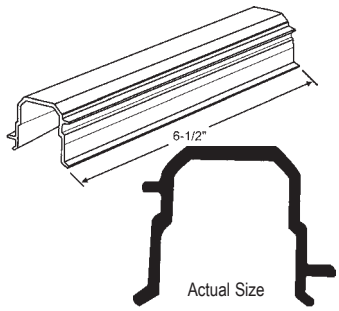


88-700
Anodized Aluminum Angle Stop Black



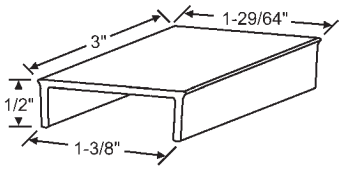
Part #	Length
900-14211	7'
900-14211-3	3-1/4"
900-14211BL	1"

Black

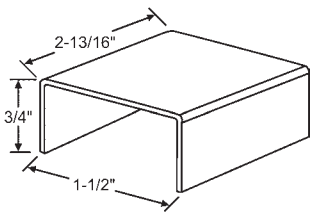


Part #	Color
900-16324B-6	Black
900-16324W-6	White

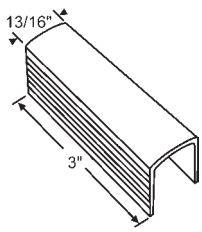
Plastic



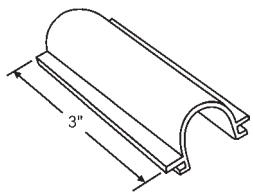
85-6002WX
White
PGT



85-6003WX
White
PGT

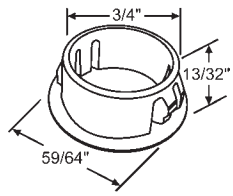


85-768
3" White Plastic



85-771
Black

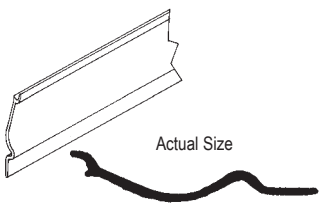
HOLE PLUG



Part #	Color
85-1125B	Black
85-1125W	White

PGT

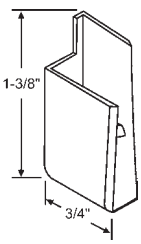
JAMB COVER



Part #	Color
85-702	Blue White
85-703	White
85-704	Charcoal Brown
85-702BG	Beige

Sold in 7' lengths, Minimum 140'

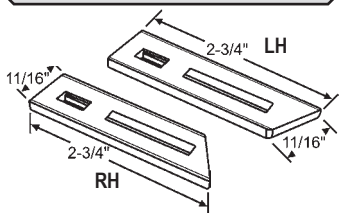
DUST CAP



Part #	Hand
85-786LH	Shown
85-786RH	Opposite

Black
RIVERVIEW

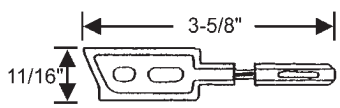
TILT LATCH BLADE



Part Number	Hand	Color
900-21006LB	LH	Brown
900-21006LH	LH	Beige
900-21006LW	LH	White
900-21006RB	RH	Brown
900-21006RH	RH	Beige
900-21006RW	RH	White

DAYTON

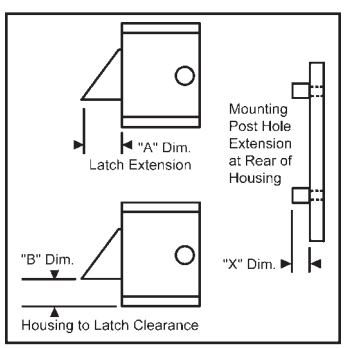
SLIDING LATCH

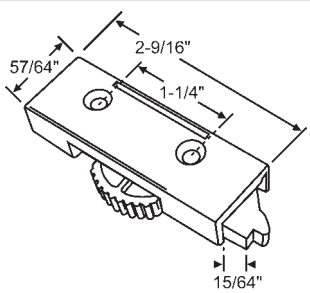


Part #	Color
900-18900W	White
900-18900BG	Beige

Fits Acro Windows

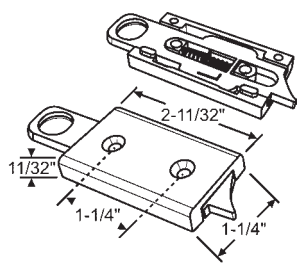
TILT LATCHES - In Order by Hole Spacing





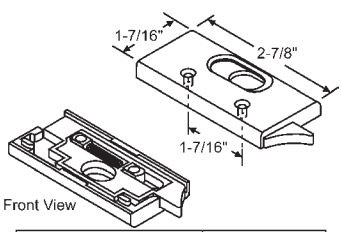
Part #	Color
85-936BZA	Bronze
85-936WA	White

Set (Includes RH & LH)
RH Shown



Part #	Color
85-793WA	White

Sold in sets only.
CERTAINTEED



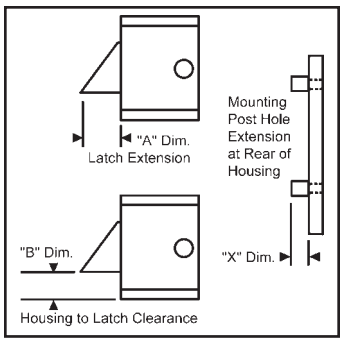
Part #	Color
900-20311WA	White

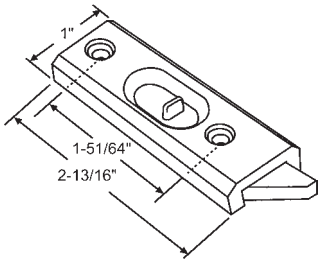
"A"	"B"	"X"
3/8"	21/32"	7/64"

Sold in Sets Only (LH Shown).
CERTAINTEED

85 SERIES BALANCE ACCESSORIES

TILT LATCHES - In Order by Hole Spacing

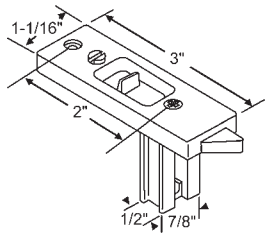




Part #	Color
85-773WA	White

"A"	"B"	"X"
13/32"	3/16"	Flush w/Housing

Sold in sets only (LH Shown).

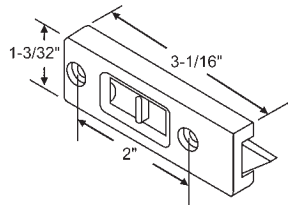


Part #	Color
900-16378WA	White
900-16378BRA	Brown

"A"	"B"	"X"
3/8"	7/32"	None

Sold in sets only (LH Shown).

FIBERLUX

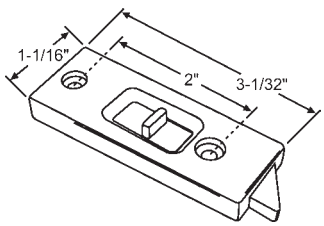


Part #	Color
85-618WA	White
85-618BA	Black
85-618BRA	Brown
85-618BGA	Beige

"A"	"B"	"X"
5/16"	1/4"	Flush w/Housing

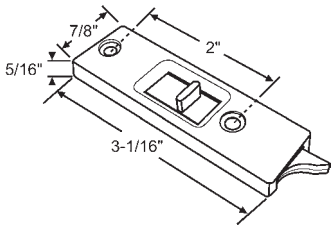
Sold in sets only (LH Shown).

FIBERLUX



Part #	Hand	Color
85-737RW	Shown	White
85-737LW	Opposite	White

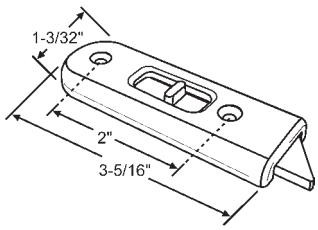
"A"	"B"	"X"
5/16"	3/32"	Flush w/Housing



Part #	Color
85-887W	White

"A"	"B"	"X"
11/32"	3/16"	Flush w/Housing

Sold in sets only (LH Shown).

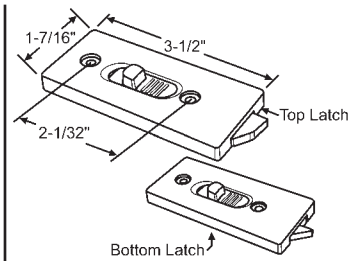


Part #	Color
85-817	White

"A"	"B"	"X"
7/16"	1/4"	Flush w/Housing

Sold in sets only

VINYLUME

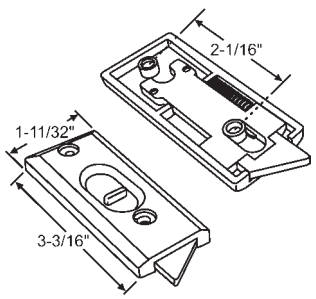


Part #	Color
85-726WH	White

Latch	"A"	"B"	"X"
Top	9/32"	15/32"	Flush w/Housing
Bottom	9/32"	11/16"	Flush w/Housing

Sold in sets only (LH Shown).

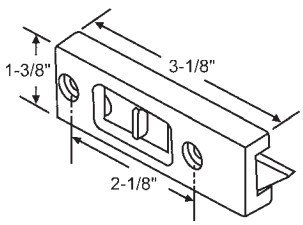
KEYSTONE



Part #	Color
900-16281WA	White

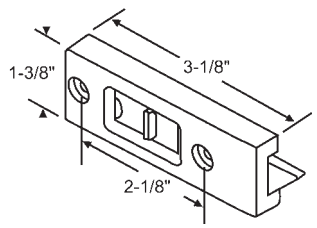
"A"	"B"	"X"
3/8"	5/16"	Flush w/Housing

Sold as set only.



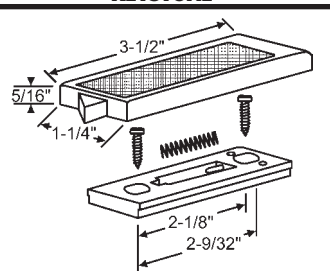
Part #	Hand	Color
85-528LHW	Shown	White
85-528RHW	Opposite	White
85-528LHB	Shown	Black
85-528RHB	Opposite	Black

"A"	"B"	"X"
11/16"	1/4"	Flush w/Housing



Part #	Hand	Color
85-529LHW	Shown	White
85-529RHW	Opposite	White
85-529LHB	Shown	Black
85-529RHB	Opposite	Black

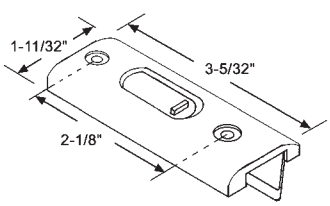
"A"	"B"	"X"
11/16"	1/4"	1/8"



Part #	Color
85-626BA	Black
85-626BGA	Beige
85-626WA	White

Sold in sets only. LH Shown

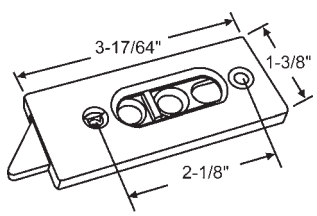
ATRIUM



Part #	Color
900-12766WA	White
900-12766BA	Black

"A"	"B"	"X"
7/16"	1/4"	Flush w/Housing

Sold in sets only.



Part #	Color
900-16267A	White

"A"	"B"	"X"
1/2"	5/16	Flush w/Housing

Sold in sets only.

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PH: 631-979-9261 FAX: 631-979-8245
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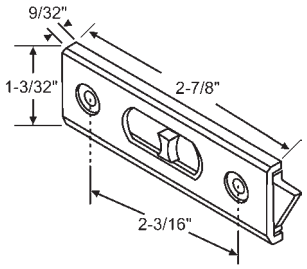
85 SERIES BALANCE ACCESSORIES

TILT LATCHES - In Order by Hole Spacing

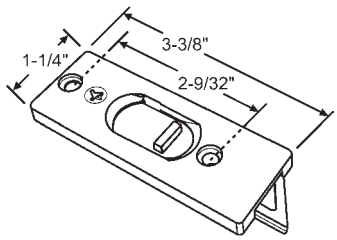


Part #	Color
900-19450WA	White

"A"	"B"	"X"
5/16"	5/16"	Flush w/Housing

Sold in sets only.

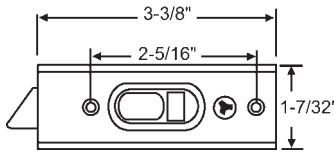
GENERAL ALUMINUM



900-11868LHW/RHW

No Longer Available

Use: 900-11615W

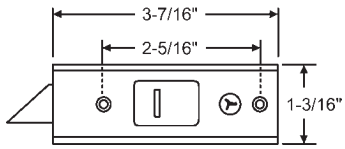


Part #	Color
85-616W	White
85-616B	Black

"A"	"B"	"X"
1/2"	1/4"	Flush w/Housing

Die Cast

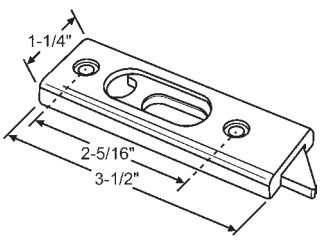
Reversible



Part #	Color
85-578WA	White
85-578BA	Black

"A"	"B"	"X"
7/16"	1/4"	Flush w/Housing

Sold in sets only.

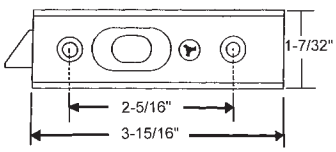


Part #	Color
85-533	Black
85-533WH	White

"A"	"B"	"X"
1/2"	5/16"	Flush w/Housing

Plastic

Reversible

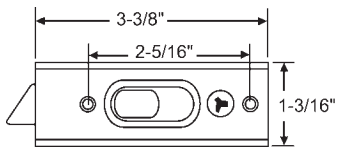


Part #	Color
85-617W	White
85-617B	Black

"A"	"B"	"X"
7/16"	9/32"	Flush w/Housing

Die Cast

Reversible

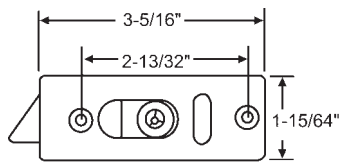


Part #	Color
900-11615B	Black
900-11615W	White

"A"	"B"	"X"
7/16"	5/16"	Flush w/Housing

Plastic

Reversible

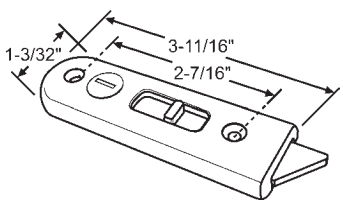


Part #	Hand	Color
85-532LHB	Shown	Black
85-532RHB	Opposite	Black
85-532LH	Shown	White
85-532RH	Opposite	White

"A"	"B"	"X"
7/16"	9/32"	Flush w/Housing

With lock. If needed, use tilt latch tool 59-6.

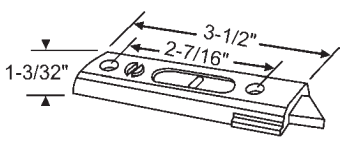
ACORN



Part #	Hand	Color
85-6004RHW	Shown	White
85-6004LHW	Opposite	White

"A"	"B"	"X"
7/16"	1/4"	Flush w/Housing

PGT

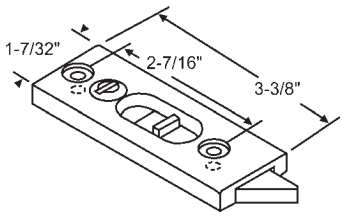


Part #	Color
900-16339BA	Black

"A"	"B"	"X"
1/2"	9/32"	Flush w/Housing

Sold in sets only.

PATRIOT

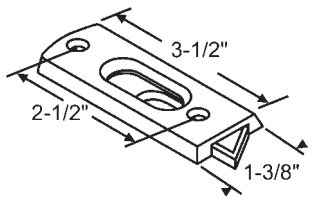


Part #	Color
900-19480WA	White

"A"	"B"	"X"
7/16"	5/16"	Flush w/Housing

Sold in sets only.

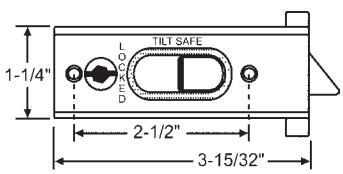
SEASONALL



Part #	Color
85-736	White

"A"	"B"	"X"
13/32"	9/32"	1/8"

Universal



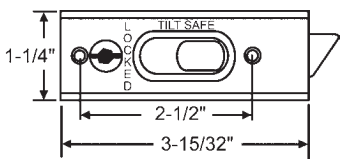
Part #	Color
85-719MB	Black
85-719MW	White

"A"	"B"	"X"
3/8"	3/8"	Flush w/Housing

Metal Housing w/Plastic Latch

Reversible

SEASONALL



Part #	Color
85-619PW	White

Plastic Assembly

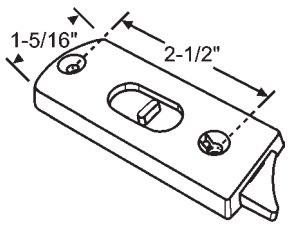
"A"	"B"	"X"
13/32"	5/16"	Flush w/Housing

Reversible

SEASONALL

85 SERIES BALANCE ACCESSORIES

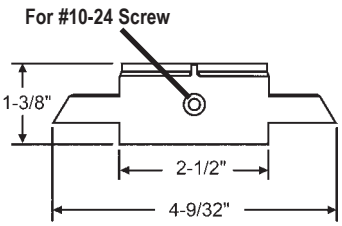
TILT LATCHES - In Order by Hole Spacing



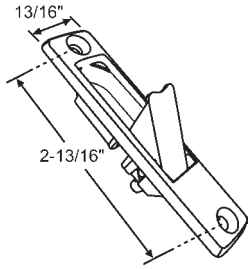
Part #	Color
85-763W	White
85-763B	Black
85-763BG	Beige

"A"	"B"	"X"
7/16"	9/32"	Flush w/Housing

ALENCO

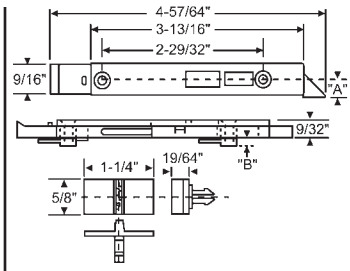


85-733
Zinc Die Cast
MANNIX



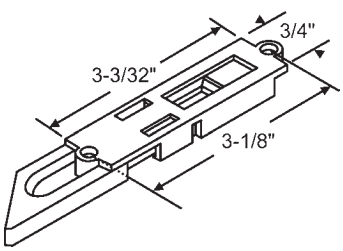
Part #	Color
85-5033A	Driftwood
85-5033WA	White

Sash Tilt Latch Kit. Kit Includes LH and RH Tilt Latches w/Screws
PEACHTREE



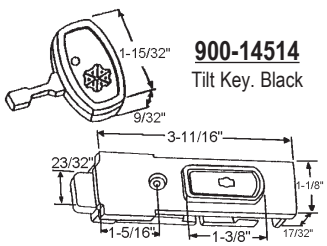
Part #	Hand	"A"	"B"
900-19869A	Shown	19/64"	3/32"
900-19875A	Shown	11/32"	9/64"

Sold in sets only (RH, LH).
White. Includes thumb button
SPECTUS



Part #	Color
900-19847WA	White

Sold in sets only.
Used with 900-19448 thumb button.

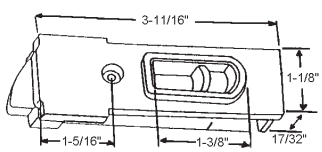


900-14514
Tilt Key. Black

Part #	Color
900-12808BA	Black

"A"	"B"	"X"
1/4"	5/16"	Flush w/Housing

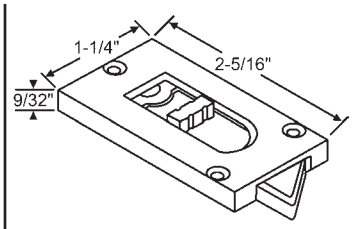
Sold in sets only.
AMACOR



Part #	Color
900-15683BA	Black

"A"	"B"	"X"
9/32"	3/16"	Flush w/Housing

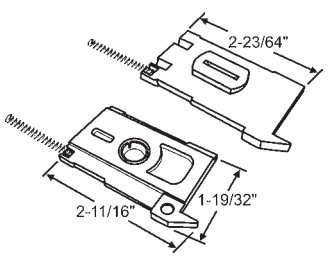
Sold in sets only.
AMACOR



Part #	Color
900-20221WA	White

"A"	"B"	"X"
1/4"	5/16"	Flush w/Housing

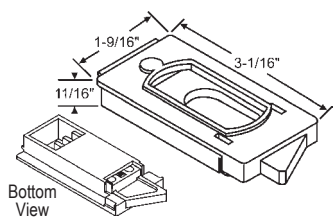
Reversible



Part #	Color
85-1030WA	White

"A"	"B"	"X"
5/16"	1-3/8"	Flush w/Housing

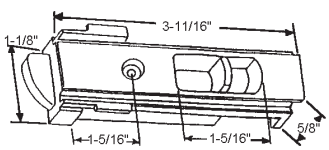
Set (Includes RH & LH) RH Shown



Part #	Color
900-19433WA	White
900-19433BA	Black
900-19433BGA	Beige

"A"	"B"	"X"
7/16"	3/8"	Slides onto Extrusion

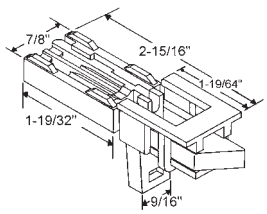
Sold in sets only.
MANNIX & ECKER



Part #	Color
900-15486BA	Black

"A"	"B"	"X"
1/4"	3/16"	Flush w/Housing

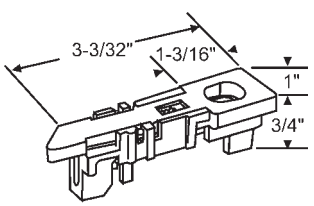
Sold in sets only.
AMACOR



Part #	Color
900-16976WA	White

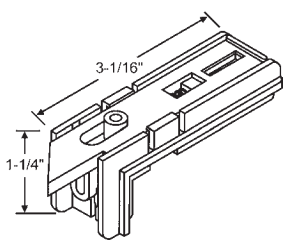
"A"	"B"	"X"
7/16"	5/16"	None

Sold in sets only.



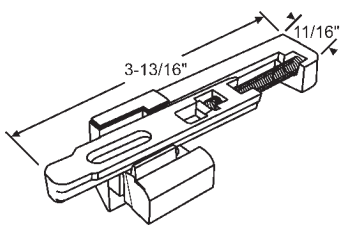
Part #	Color
900-17651A	White

Sold in sets only.

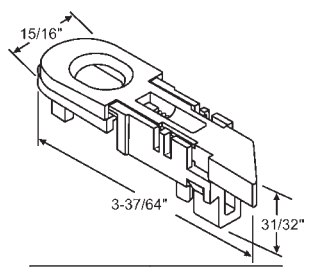


Part #	Hand
900-19178	Shown
900-19177	Opposite

White
MAYNARD/CHELSEA



85-5034A
Sash Tilt Latch Housing Kit. Driftwood. Kit Includes LH and RH Housings w/ Screws
PEACHTREE



Part #	Hand
85-775RH	Shown
85-775LH	Opposite

DOVE/SILVER LINE

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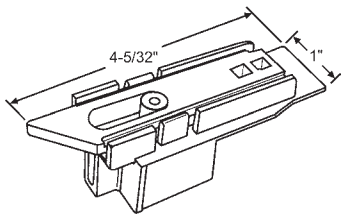
85 SERIES BALANCE ACCESSORIES

TILT LATCHES

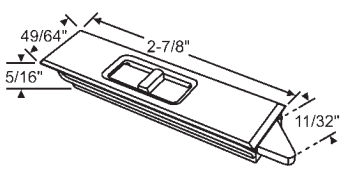


Part #	Color
85-827WA	White

Sold in sets only.

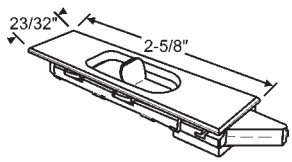
SNAP-IN TILT LATCHES

ASHLAND HARDWARE SYSTEMS



85-897WA

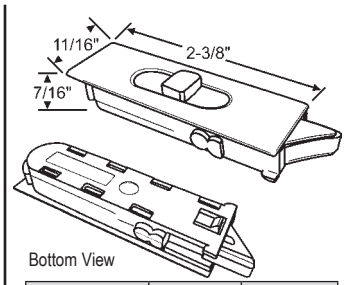
.092 Stile Snap. White RH & LH Set



Part #	Color
85-1190BG	Beige
85-1190CY	Clay
85-1190W	White

"A"	"B"	"X"
3/8"	1/16"	Flush w/Housing

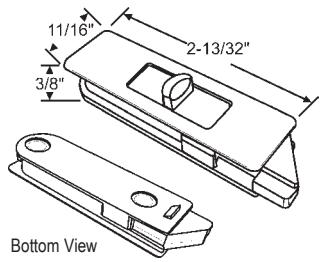
ALENCO



Part #	Hand	Color
85-932LH	Shown	White
85-932RH	Opposite	White

"A"	"B"	"X"
5/16"	1/8"	None

SILVER LINE

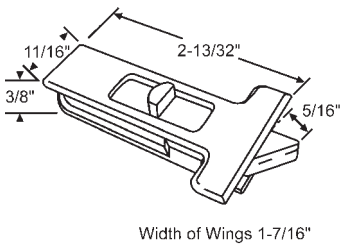


Part #	Color
85-963WA	Blue White

"A"	Nose Size
5/16"	3/8"

Sold in Sets Only (RH Shown).

SILVER LINE

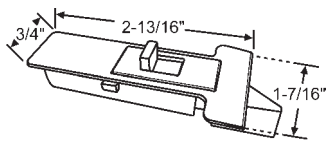


85-900WA

White

Set (1 RH/ 1 LH) LH Shown

SILVER LINE

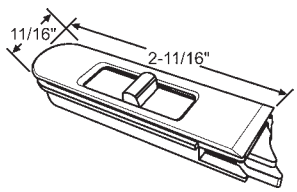


Part #	Color
85-962WA	White

"A"	"B"	"X"
3/8"	7/16"	None

Sold in Sets Only (RH Shown)

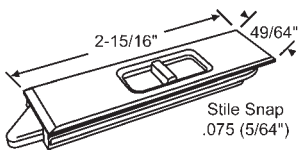
SILVER LINE



Part #	Hand	Color
85-6005RHW	Shown	White
85-6005LHW	Opposite	White

"A"	"B"	"X"
11/32"	3/32"	None

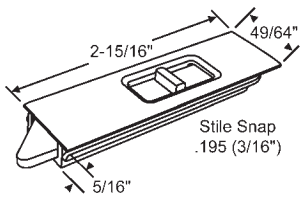
PGT



Part #	Color
85-853WA	White

"A"	"B"
3/8"	5/32"

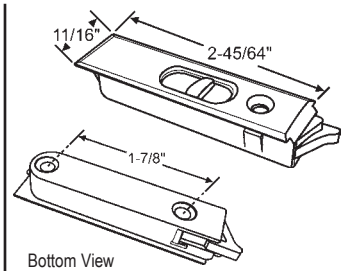
Sold in sets only.



Part #	Color
85-892WA	White

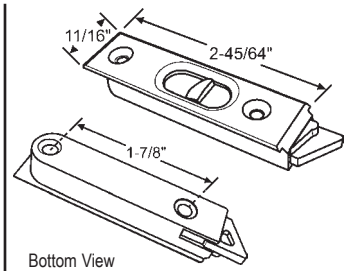
"A"	"B"
3/8"	5/32"

Sold in sets only.



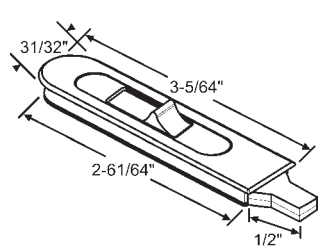
Part #	Hand	Color
85-940WA	LH/RH Set	White
85-940LBG	Shown	Beige
85-940RBG	Opposite	Beige

"A"	"B"	"X"
5/16"	1/16"	None



Part #	Hand	Color
85-939LW	Shown	White
85-939RW	Opposite	White

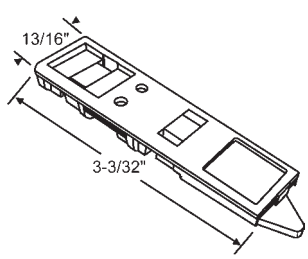
"A"	"B"	"X"
7/16"	Flush w/Housing	None



Part #	Color
85-905-3	White

Non-Handed

POZZI/JELD-WEN



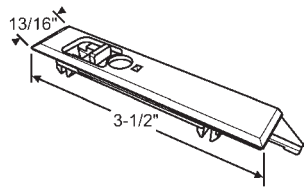
Part #	Color
85-809WA	White

"A"	"B"	"X"
7/16"	1/16"	None

Sold in Sets

85 SERIES BALANCE ACCESSORIES

ADDITIONAL SNAP-IN TILT LATCHES - In Order by Style

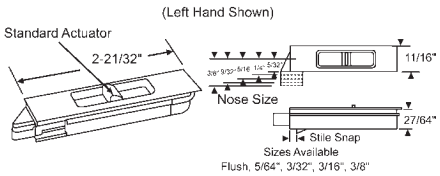


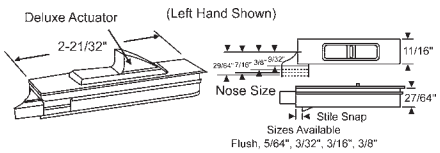
Part #	Color
85-881WA	White

"A"	"B"	"X"
5/16"	5/16"	5/16"

Sold in sets only (RH Shown).

CERTAINTEED





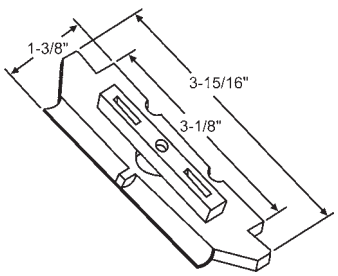
Standard Nose Chart

Our Part #	Hand	Color	Nose Size	Stile Snap Size	Actuator
85-910WA	Set	White	1/4"	5/64"	Standard
85-910A	Set	Dark Brown	1/4"	5/64"	Standard
900-21229A	Set	Blue White	1/4"	3/16"	Standard
85-819WA	Set	Blue White	9/32"	3/32"	Standard
85-1054WA	Set	White	9/32"	3/8"	Standard
900-19498WA	Set	White	3/8"	3/16"	Deluxe

Scallop Nose Chart

Our Part #	Hand	Color	Nose Size	Stile Snap Size	Actuator
900-19496A	Set	Dark Brown	3/8"	3/32"	Standard
900-19496WA	Set	White	3/8"	3/32"	Standard

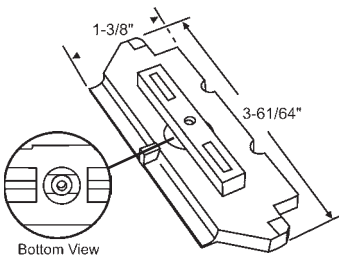
SASH PLUNGER



900-8600

Black with springs.
Used with pivot bar 900-8599.

TRACO

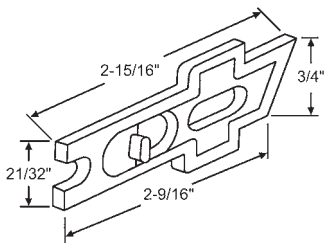


900-8600MOD

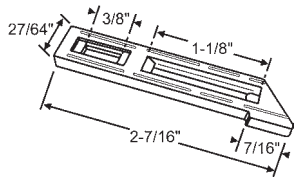
Black with springs. Modified to accept tamper proof screw. Screw #20-468

TRACO

TILT LATCH INSERT



Part #	Hand	Color
85-527RHW	Opposite	White
85-527LHW	Shown	White
85-527RH	Opposite	Black
85-527LH	Shown	Black

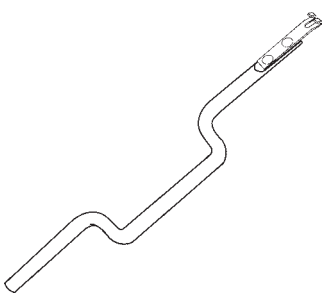


85-656W

Universal Tilt Latch Insert . White Nylon

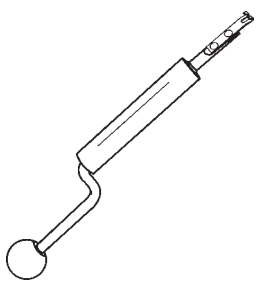
DAYTON

TOOLS



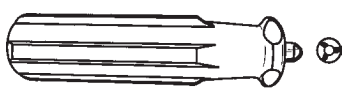
85-511

Tilt Tensioning Tool. Used with 83 and 85 Series Balances



85-515

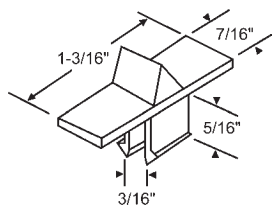
Deluxe Tilt Tensioning Tool. Used with 83 and 85 Series Balances



59-6

Plastic Tilt Latch Tool.
Fits Tri-Wing Button Tilt Latches

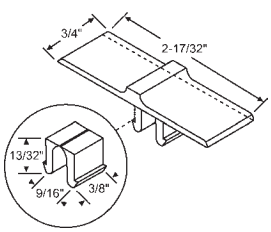
TILT SLIDE BUTTONS



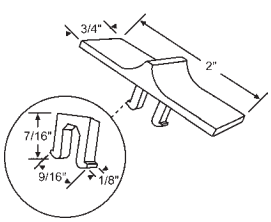
900-15551B

Black

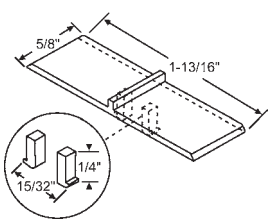
AMACOR



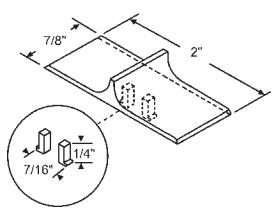
Part #	Color
900-19037	White



Part #	Color
900-19038BE	Beige
900-19038	White

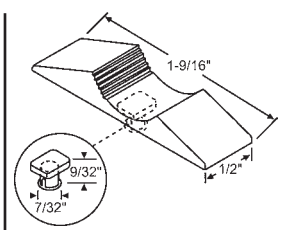


Part #	Color
900-19015	White
900-19015BR	Brown
900-19015BG	Beige



Part #	Color
900-14340BR	Brown

GREAT LAKES



Part #	Color
900-21219W	White
900-21219BZ	Bronze
900-21219	Beige

AZA SALES
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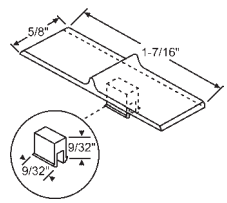
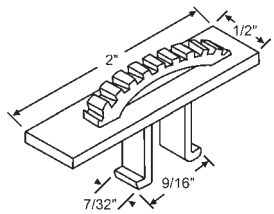
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

85 SERIES BALANCE ACCESSORIES

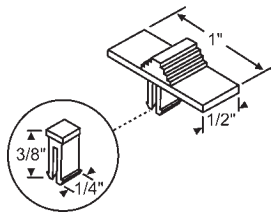
TILT SLIDE BUTTONS



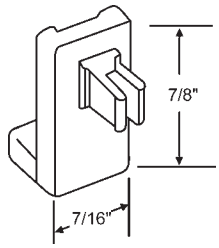
900-19744
Bronze



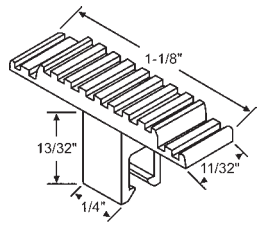
900-19448
White



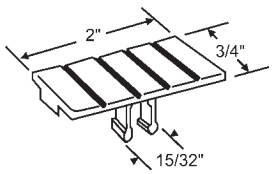
Part #	Color
85-620BR	Brown
85-620BG	Beige



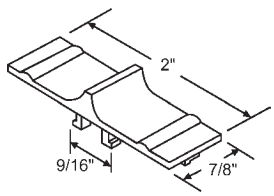
Part #	Color
85-508	White
85-508B	Black
85-508BG	Beige



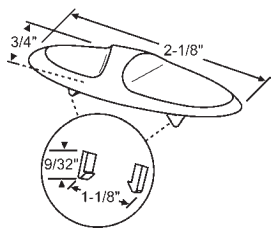
85-552BG
Beige
ACRO/SLOCOMB



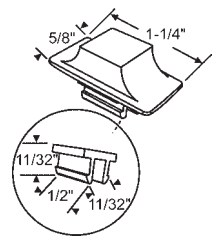
900-18706
White
VINYL BUILDING PRODUCTS



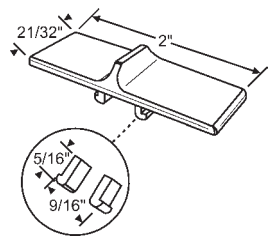
900-19179
White
HARVEY



85-1033W
White

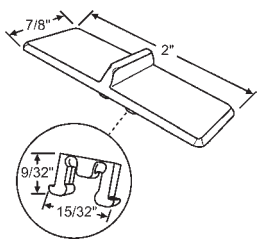


85-834
White

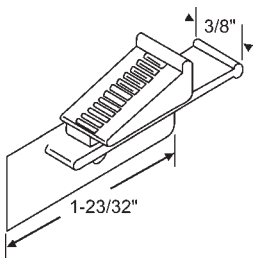


85-842
White

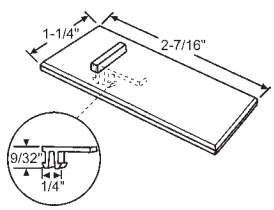
NYLON GUIDE



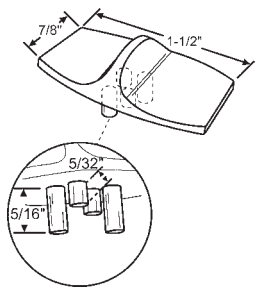
85-760
White



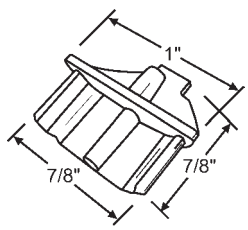
Part #	Color
85-553	White
85-553B	Black



85-1083W
White



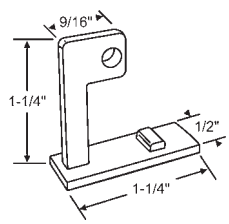
85-882W
White
For 85-881WA



Part #	Color
85-1057B	Black
85-1057W	White

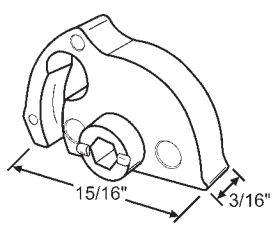
TRACO

TILT LATCH CAP



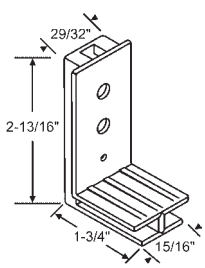
Part #	Color
900-6765	White
900-6765B	Black

TILT LATCH CAM



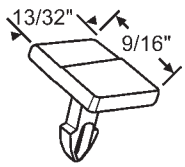
85-695W
White. Used with 85-619 Tilt Latch Assy.
DAYTON

INSERT ANGLE

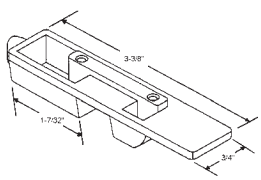


900-18899
White, Plastic
ACRO/SLOCOMB

MISCELLANEOUS ACCESSORIES



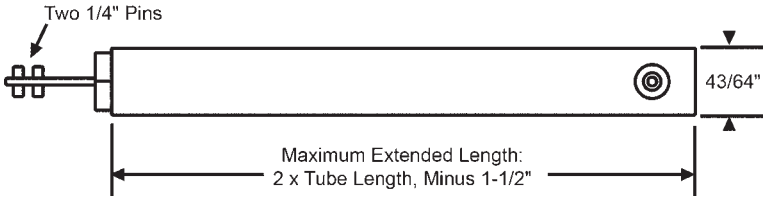
900-5759
Anti Rattle Lock Pin. White Nylon. Used With 85-503 Pivot Lock Shoe
ACORN



Part #	Hand	Color
900-15612LG	Shown	Grey
900-15612RG	Opposite	Grey

Friction Sash
AMACOR

88L SERIES ULTRALIFT 43/64" HEAVY DUTY TUBE BALANCE



The heavy duty Ultralift is not only an excellent product for counterbalancing windows from 10lbs. to 100 lbs.; it also reduces the manual force required to open and close windows by 50%. Standard balances only provide about 40% of the sash weight while the Ultralift lifts 70% of the sash weight. This makes the Ultralift an excellent product to use in nursing homes, schools and windows that are difficult to access. These balances can be used in sashes from 10 lbs. to 100 lbs. in weight.

Here are the facts:

- Lifts 70% of sash weight vs. AAMA'S 40% minimum.
- Provides even power across full range of sash travel.
- Usable with both tilt and non-tilt windows.
- Adjustable on site by +/- 2 lbs.
- Fits most C-20 and HC-40 AAMA grade single and double hung windows.
- Fits most large architectural wood windows.
- Combines spiral and extension spring technology.
- Covered by a 5-year warranty.
- Custom made for specific sash weights.

Installing Balance in Tilt Windows

1. Mount the balance to the outer frame with a screw (See Figure 1). Do not overtighten screw.
2. Raise the pivot shoe in the jamb channel and insert the balance rod into the shoe rod slot (See Figure 2).
3. Install the sash.

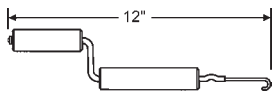
Installing Balance in Non-Tilt Windows

1. Mount balance to outside frame with screw (See Figure 1). Do not overtighten screw.
2. With top stops removed, raise the sash so that the sash brackets protrude below bottom rail. Pull bracket around sash corner with installation tool (See Figure 3).
3. Attach sash bracket to bottom rail using a minimum of two screws per bracket (See Figure 4).

ORDERING INFORMATION

1. Supply information stamped on balance.
2. First set of numbers represent the tube length of balance (actual tube length is 1/2" longer than number stamped on balance).
3. Second set of number represents the sash weight (balances are pre-tensioned to the exact weight of sash).
4. Specify color of the tube: Gray (standard), White, Black or Tan.

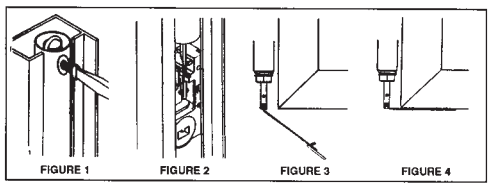
Ordering Example: Information stamped on balance is 18-24 lbs Ultralift. Order our 88L-18S24. You will receive gray tube.



88-575
Ultra Lift Balance Tension Tool

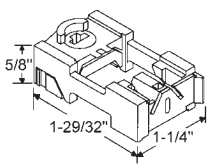
For sash weights over 100 lbs. contact your account manager.

For weight capacity chart contact your account manager.

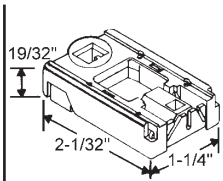


88L SERIES BALANCE ACCESSORIES

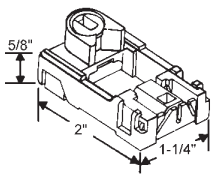
PIVOT LOCK SHOES



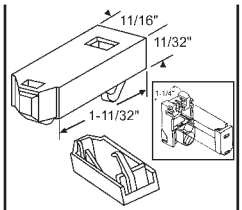
85-505
No Longer Available
Use: 85-517



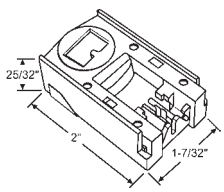
85-517
Black Cam
Cam Opening: 3/8" x 3/16"



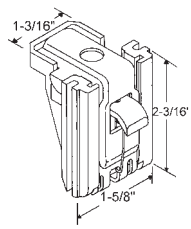
85-518
Red Cam
Cam Opening: 3/8" x 3/16"
TRACO



85-606
Tamp-R-Lock. Snaps on to eliminate take out function.
Black

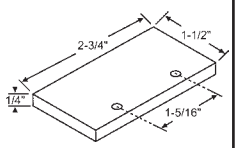


85-5045

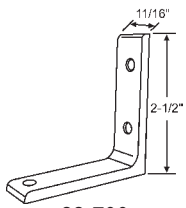


88-503
Carrier

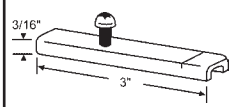
PIVOT BARS



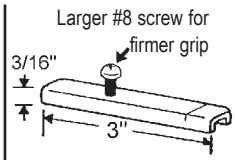
900-21112
Black. Anodized Aluminum



88-700
Anodized Aluminum Angle Stop - Black

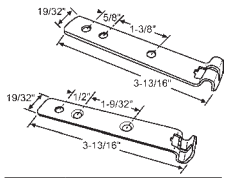


85-501
Metal
NORANDEX

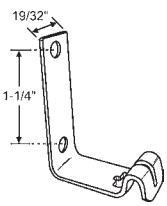


88-505
Special heat treated for added strength

BRACKETS

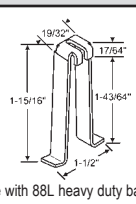


Part #	Description
88-500	Standard Holes for Non-Tilt
88-501	Countersunk Holes

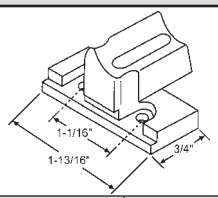


88-543
Stainless Steel.
Countersunk Holes

PIVOT LOCK SHOE ADAPTER

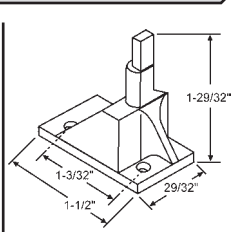


For use with 88L heavy duty balances. Not sold separately. Must be purchased with Ultra Lift Balances.
88-508
Stainless Steel



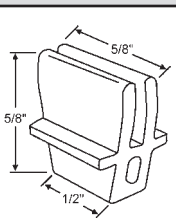
Part #	Hand
900-20214LH	Shown
900-20214RH	Opposite

Cast Aluminum

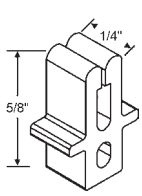


900-13070A
Sold in sets only.

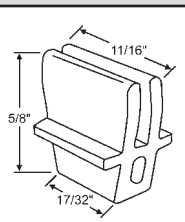
TAMPER LOCKS



88-519
For UltraLift
TRACO



88-540
For Ultra Lift
TRACO



88-542
For Ultra Lift
Blue

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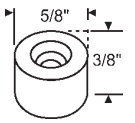
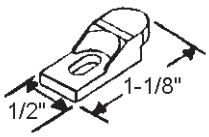
88L SERIES BALANCE ACCESSORIES

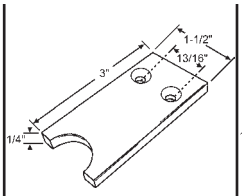
GUIDE



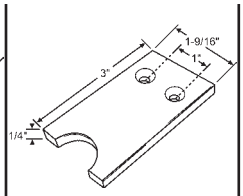
62-658
Heavy Duty Die Cast Face Guide



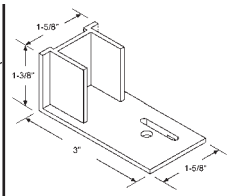
900-12977
SWS



88-604
Black w/Countersunk Holes

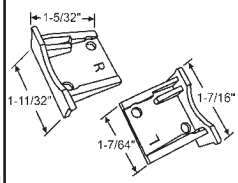


88-605
Black w/Countersunk Holes



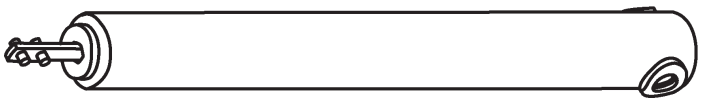
Part #	Hand
88-602RH	Shown
88-602LH	Opposite

Riverview 400S. Black



88-612W
White
PGT

88LL & 88SL SERIES - 21/32" & 3/4" TUBE BALANCES



Ordering Information

1. Determine series 88LL (21/32" (.656) OD) or 88SL (3/4" (.750) OD) based on sash weight range required.
2. Select pin option (1,2,3,4,5 or 6*) from diagram shown.
3. Determine tube length.
4. Determine color (gray, black, white & beige).

Example: Sash weighing 92 lbs. and balance is 38" long with 2 pins 1/2" long and gray cover the part number is: 88SL90-438G

General Information

1. Travel characteristics for these balances is 2x tube length minus 2".
2. Choose the required pivot lock shoes or brackets from the balance accessory page.
3. Proper tension is acquired by winding in a COUNTERCLOCKWISE direction.

Note: All accessories must be ordered separately.
Made without any pretension and will need to be wound up.

88LL Series Balance
21/32" Diameter Plastic Tube Balance

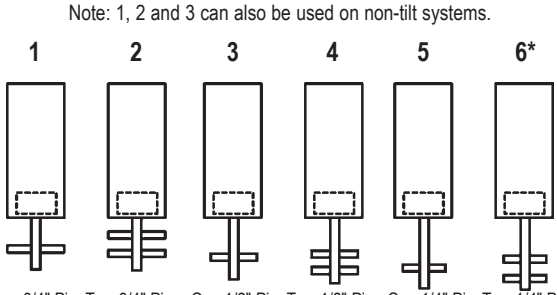
Series	Tube Lengths	Weight Ranges	Bearing Color	Part Number
88LL	6" to 72"	20 to 29.5 lbs.	Red	**88LL20-Pin Option + Tube Length + Tube Color**
88LL	6" to 72"	30 to 39.5 lbs.	Blue	**88LL30-Pin Option + Tube Length + Tube Color**
88LL	6" to 72"	40 to 49.5 lbs.	Black	**88LL40-Pin Option + Tube Length + Tube Color**
88LL	6" to 72"	50 to 59.5 lbs.	White	**88LL50-Pin Option + Tube Length + Tube Color**
88LL	6" to 72"	60 to 69.5 lbs.	Yellow	**88LL60-Pin Option + Tube Length + Tube Color**
88LL	6" to 72"	70 to 79.5 lbs.	Yellow	**88LL70-Pin Option + Tube Length + Tube Color**
88LL	6" to 72"	80 to 89.5 lbs.	Yellow	**88LL80-Pin Option + Tube Length + Tube Color**
88LL	15" to 75"	90 to 99.5 lbs.	Yellow	**88LL90-Pin Option + Tube Length + Tube Color**

88SL Series Balance
3/4" Diameter Plastic Tube Balance

Series	Tube Lengths	Weight Ranges	Part Number
88SL	20" to 74"	60 to 69.5 lbs.	**88SL60-Pin Option + Tube Length + Tube Color**
88SL	20" to 74"	70 to 79.5 lbs.	**88SL70-Pin Option + Tube Length + Tube Color**
88SL	20" to 74"	80 to 89.5 lbs.	**88SL80-Pin Option + Tube Length + Tube Color**
88SL	20" to 74"	90 to 99.5 lbs.	**88SL90-Pin Option + Tube Length + Tube Color**
88SL	20" to 74"	100 to 109.5 lbs.	**88SL100-Pin Option + Tube Length + Tube Color**
88SL	20" to 74"	110 to 119.5 lbs.	**88SL110-Pin Option + Tube Length + Tube Color**
88SL	20" to 74"	120 to 129.5 lbs.	**88SL120-Pin Option + Tube Length + Tube Color**

Balance Tilt Pin Options

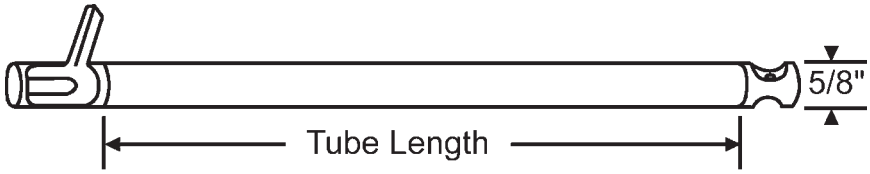
Note: 1, 2 and 3 can also be used on non-tilt systems.



*** Most Popular**

89 SERIES WINDOW BALANCES

CARADCO C-100 Balances Exclusively for Wood Windows



ORDERING INFORMATION

1. Measure the length of the plastic tube; do not include any of the plastic bracket end pieces.
2. Determine color of dye on the spring end.
3. Select corresponding part number from the chart below and order accordingly.

GENERAL INFORMATION

1. The tube lengths are available in only those sizes shown in chart below.
2. Tube color is always white.

Tube Length	Spring Color	Caradco Balance Code	Caradco Part #	Our Part #
13-1/2"	BROWN	A1	944814	**89-30B**
13-1/2"	GREEN	C2	944881	**89-9T**
13-1/2"	RED	D1	944906	**89-14T**
13-1/2"	YELLOW	B1	944847	**89-1T**
15-1/2"	BROWN	A2	944815	**89-29B**
15-1/2"	GREEN	C3	944882	**89-10T**
15-1/2"	RED	D2	944907	**89-15T**
15-1/2"	YELLOW	B3	944848	**89-2T**
17-1/2"	GREEN	C5	944821	**89-3T**
17-1/2"	GREEN	C6	944822	**89-31B**
17-1/2"	YELLOW	B4	944820	**89-28B**
19-1/2"	GREEN	C7	944850	**89-4T**
19-1/2"	GREEN	C8	944884	**89-8T**
19-1/2"	NONE	E5	944908	**89-22T**
19-1/2"	RED	D5	944878	**89-17T**
19-1/2"	YELLOW	B5	944817	**89-27B**
21-1/2"	GREEN	C10	944885	**89-11T**
21-1/2"	GREEN	C9	944851	**89-5T**
21-1/2"	NONE	E7	944880	**89-35B**
21-1/2"	RED	D6	944823	**89-18T**
21-1/2"	YELLOW	B6	944818	**89-26B**
23-1/2"	GREEN	C11	944852	**89-6T**
23-1/2"	NONE	E14	944829	**89-21T**
23-1/2"	NONE	E8	944825	**89-20T**
23-1/2"	RED	D8	944903	**89-16T**
23-1/2"	YELLOW	B7	944819	**89-25B**
27-1/2"	GREEN	C12	944877	**89-23B**
27-1/2"	NONE	E9	944883	**89-13T**
27-1/2"	RED	D9	944879	**89-7T**
30-1/2"	NONE	E13	944826	**89-36B**
30-1/2"	RED	D11	944824	**89-32B**
33-1/2"	RED	D12	922546	**89-33B**
35-1/2"	GREEN	C14	944900	**89-24B**
35-1/2"	RED	D14	944828	**89-34B**

To determine balance number you need, find part numbers by glass size and then select top or bottom sash.
Contact your account manager if not shown.

Glass Width

Glass Height	Position	16"	20"	24"	28"	32"	36"	40"
14"	Top	----	89-1T	89-9T	89-9T	89-14T	89-14T	----
	Bottom	----	89-30B	89-1T	89-1T	89-9T	89-9T	----
16"	Top	89-29B	89-2T	89-10T	89-10T	89-15T	89-15T	89-15T
	Bottom		89-29B	89-2T	89-2T	89-10T	89-10T	89-10T
18"	Top	89-28B	89-3T	89-3T	89-3T	89-38	89-38	----
	Bottom		89-28B	89-28B	89-3T	89-3T	89-3T	----
20"	Top	89-27B	89-4T	89-4T	89-4T	89-17T	89-17T	89-22T
	Bottom		89-27B	89-4T	89-4T	89-4T	89-4T	89-4T
22"	Top	89-26B	89-5T	89-5T	89-5T	89-18T	89-35B	89-19T
	Bottom		89-26B	89-5T	89-5T	89-5T	89-5T	89-18T
24"	Top	89-25B	89-6T	89-16T	89-16T	89-20T	89-20T	89-20T
	Bottom		89-25B	89-6T	89-6T	89-6T	89-16T	89-16T
28"	Top	89-23B	89-7T	89-7T	89-13T	89-13T	89-13T	89-13T
	Bottom		89-23B	89-23B	89-7T	89-7T	89-7T	89-7T
* 22/34"	Top	----	----	----	89-5T	89-18T	E7-89-18T	----
	Bottom	----	----	----	89-7T	89-32B	89-33B	----
* 24/36"	Top	----	89-6T	89-16T	89-16T	89-20T	89-20T	89-20T
	Bottom		89-24B	89-24B	89-34B	89-34B	89-34B	89-36B
** 44/16"	-	----	----	----	----	89-10T	89-10T	----
34"	Top	----	----	----	89-20T	89-20T	89-20T	----
	Bottom	----	----	----	89-33B	89-33B	89-33B	----
36"	Top	----	89-8T	----	----	89-21T	89-21T	----
	Bottom	----	89-24B	----	----	89-33B	89-34B	----

*for oriel window

**for reverse oriel or cottage window

Note: Spring strength from lightest to strongest is brown, yellow, green, red, none.
Note: Purple and black springs can be special ordered. Please contact your account manager.

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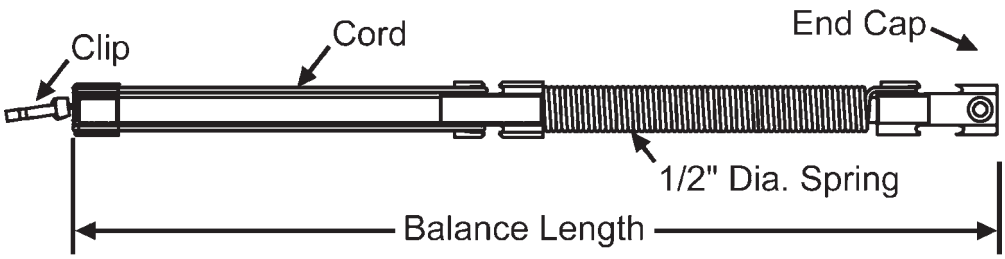
901 SERIES CROSSBOW BALANCE



Ordering Information

1) Measure balance length, including end cap.
2) Determine color of end cap, black or white.
3) Based on length of balance and color of cap, locate our part number from chart below
4) Determine clip attached to spring and add suffix -5, -11 or -18.

Example Ordering Chart

Length of Balance Length	End Cap Color	Part Number	Clip Attached	Complete Part Number
10"	Black	901-1000	900-18354	901-1000-5

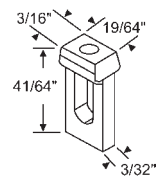
Black End Cap (Windows less than or equal to 36")		
Balance Length	Weight Range	Part Number
10"	3-10	**901-1000**
12"	3-11	**901-1200**
14"	4-12	**901-1400**
16"	4-13	**901-1600**
18"	5-14	**901-1800**
20"	5-16	**901-2000**
22"	6-17	**901-2200**
24"	6-18	**901-2400**
26"	7-19	**901-2600**
28"	7-21	**901-2800**
30"	8-22	**901-3000**
32"	8-23	**901-3200**
34"	9-24	**901-3400**
36"	9-25	**901-3600**
38"	10-27	**901-3800**
40"	10-28	**901-4000**

White End Cap (Windows greater than 36" wide)		
Balance Length	Weight Range	Part Number
10"	10-11	**901-1001**
12"	11-13	**901-1201**
14"	12-15	**901-1401**
16"	13-16	**901-1601**
18"	14-18	**901-1801**
20"	16-19	**901-2001**
22"	17-21	**901-2201**
24"	18-23	**901-2401**
26"	19-24	**901-2601**
28"	21-26	**901-2801**
30"	22-28	**901-3001**
32"	23-29	**901-3201**
34"	24-31	**901-3401**
36"	25-32	**901-3601**
38"	27-33	**901-3801**

CLIPS

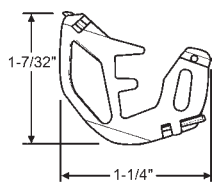
Add suffix to complete part number.

-5



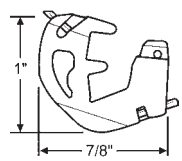
900-18354

-11



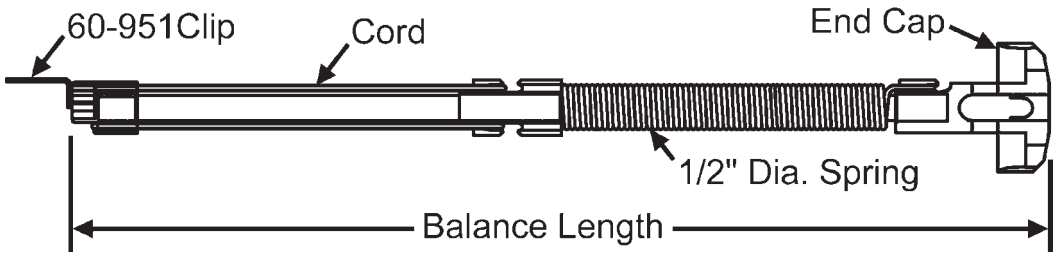
62-539

-18



62-543

960SP SERIES CROSSBOW BALANCE



Ordering Information

1) Measure balance length, including end cap.
2) Determine color of end cap, black or white.
3) Based on length of balance and color of cap, locate our part number from chart below
4) Determine width of end cap and add suffix of -19 or 19A (see ordering example).

Example Ordering Chart

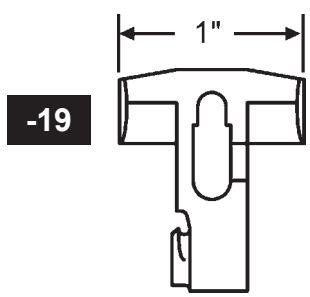
Length of Balance Length	End Cap Color	Part Number	Balance End Cap Width	Complete Part Number
10-1/2"	Black	960SP-1000	1-1/4"	960SP-1000-19A

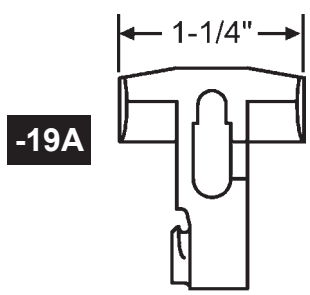
Black End Cap (Windows less than or equal to 36")		
Balance Length	Weight Range	Part Number
10-1/2"	3-10	**960SP-1000**
12-1/2"	3-11	**960SP-1200**
14-1/2"	4-12	**960SP-1400**
16-1/2"	4-13	**960SP-1600**
18-1/2"	5-14	**960SP-1800**
20-1/2"	5-16	**960SP-2000**
22-1/2"	6-17	**960SP-2200**
24-1/2"	6-18	**960SP-2400**
26-1/2	7-19	**960SP-2600**
28-1/2"	7-21	**960SP-2800**
30-1/2"	8-22	**960SP-3000**
32-1/2"	8-23	**960SP-3200**
34-1/2"	9-24	**960SP-3400**
36-1/2"	9-25	**960SP-3600**
38-1/2"	10-27	**960SP-3800**
40-1/2"	10-28	**960SP-4000**

White End Cap (Windows greater than 36" wide)		
Balance Length	Weight Range	Part Number
10-1/2"	10-11	**960SP-1001**
12-1/2"	11-13	**960SP-1201**
14-1/2"	12-15	**960SP-1401**
16-1/2"	13-16	**960SP-1601**
18-1/2"	14-18	**960SP-1801**
20-1/2"	16-19	**960SP-2001**
22-1/2"	17-21	**960SP-2201**
24-1/2"	18-23	**960SP-2401**
26-1/2	19-24	**960SP-2601**
28-1/2"	21-26	**960SP-2801**
30-1/2"	22-28	**960SP-3001**
32-1/2"	23-29	**960SP-3201**
34-1/2"	24-31	**960SP-3401**
36-1/2"	25-32	**960SP-3601**
38-1/2"	27-33	**960SP-3801**
40-1/2"	28-34	**960SP-4001**

END CAPS

Add suffix to complete part number. End caps not sold separately.





Note: If you have a plastic clip it is no longer available and is replaced by 60-951 Metal Clip.

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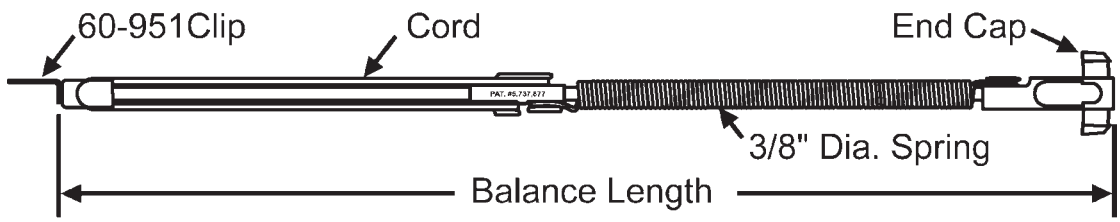
909A SERIES CROSSBOW BALANCE



Ordering Information

1) Measure balance length, including end cap.
2) Determine color of end cap, black, white or red.
3) Based on length of balance and color of cap, locate our part number from chart below
4) Determine width of end cap and add suffix of -19 or 19A (see ordering example).

Example Ordering Chart

Length of Balance Length	End Cap Color	Part Number	Balance End Cap Width	Complete Part Number
16-1/2"	Black	909A-1600	15/16"	909A-1600-19

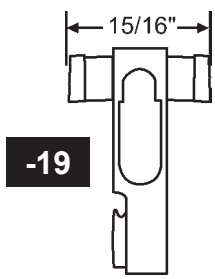
Black End Cap		
Balance Length	Weight Range	Part Number
10-1/2"	2 - 6	909A-1000
12-1/2"	3 - 7	909A-1200
14-1/2"	3 - 8	909A-1400
16-1/2"	4 - 8	909A-1600
18-1/2"	4 - 9	909A-1800
20-1/2"	4 - 10	909A-2000
22-1/2"	5 - 11	909A-2200
24-1/2"	5 - 12	909A-2400
26-1/2"	6 - 13	909A-2600
28-1/2"	6 - 13	909A-2800
30-1/2"	6 - 14	909A-3000
32-1/2"	7 - 15	909A-3200
34-1/2"	7 - 16	909A-3400
36-1/2"	8 - 17	909A-3600
38-1/2"	8 - 18	909A-3800
40-1/2"	8 - 18	909A-4000

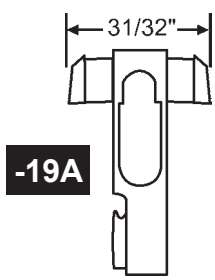
White End Cap		
Balance Length	Weight Range	Part Number
10-1/2"	6 - 8	909A-1001
12-1/2"	7 - 9	909A-1201
14-1/2"	8 - 10	909A-1401
16-1/2"	8 - 11	909A-1601
18-1/2"	9 - 12	909A-1801
20-1/2"	10 - 13	909A-2001
22-1/2"	11 - 14	909A-2201
24-1/2"	12 - 15	909A-2401
26-1/2"	13 - 17	909A-2601
28-1/2"	13 - 18	909A-2801
30-1/2"	14 - 19	909A-3001
32-1/2"	15 - 20	909A-3201
34-1/2"	16 - 21	909A-3401
36-1/2"	17 - 22	909A-3601
38-1/2"	18 - 23	909A-3801
40-1/2"	18 - 24	909A-4001

Red End Cap		
Balance Length	Weight Range	Part Number
10-1/2"	8 - 9	909A-1002
12-1/2"	9 - 10	909A-1202
14-1/2"	10 - 11	909A-1402
16-1/2"	11 - 13	909A-1602
18-1/2"	12 - 14	909A-1802
20-1/2"	13 - 15	909A-2002
22-1/2"	14 - 17	909A-2202
24-1/2"	15 - 18	909A-2402
26-1/2"	17 - 19	909A-2602
28-1/2"	18 - 20	909A-2802
30-1/2"	19 - 22	909A-3002
32-1/2"	20 - 23	909A-3202
34-1/2"	21 - 24	909A-3402
36-1/2"	22 - 26	909A-3602
38-1/2"	23 - 27	909A-3802
40-1/2"	24 - 28	909A-4002

END CAPS

Add suffix to complete part number. End caps not sold separately.

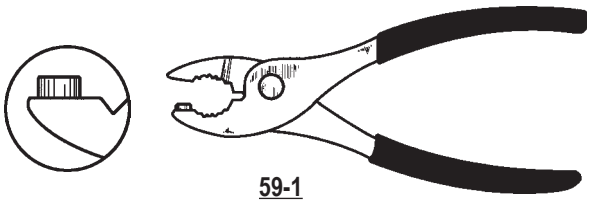




WINDOW BALANCE RIVET/TENSION TOOLS

For Channel and Tube Balances. "A Must for Repair and Assembly of Balance Brackets"
(Tube & Channel) Professional Results! Say Good-bye to Hammered Fingers!
FAST - EFFICIENT - COST EFFECTIVE

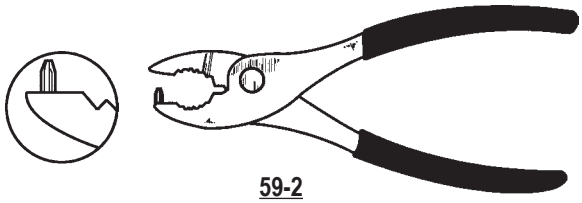
RIVET CRIMPING PLIERS



59-1
Adjusts to accommodate both tube and channel balances.

For tube balances, simply line up pin with peened rivet and squeeze. Rivet will be pushed out.
For channel balances, grind or file rivet flush and then squeeze to remove rivet.

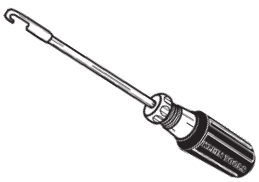
RIVET REMOVAL PLIERS



59-2

59-3
Replacement pin for rivet removal pliers

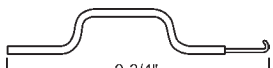
BALANCE EXTENDER TOOL



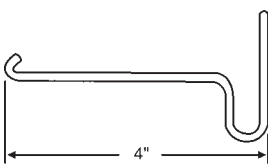
59-42

BALANCE TENSIONING TOOLS

(Used with 70, 72, 74, 75, 76 and 80 Series Balances)

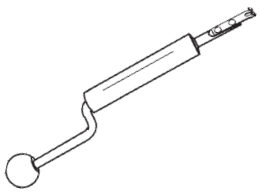


70-515

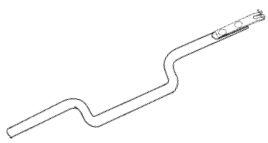


70-516

(Used with 83 and 85 Series Balances)

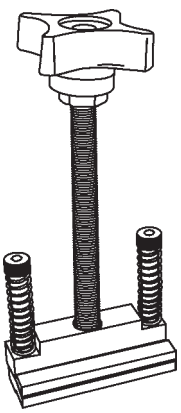


85-515



85-511

JAMB STRETCHER



JAMB STRETCHER

59-52 (2 Piece Set)

The Jamb Stretcher enables you to spread a vinyl jamb pocket in order to replace balances, shoes or other components without the need to cut into the jamb or melt the vinyl with a hot air gun.

Replace components in a fraction of the time compared to other methods.

This is an excellent tool for factory use or field repair! Designed for use in Vinyl Jambs only!

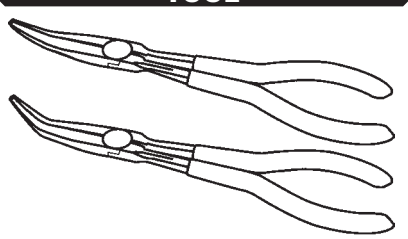
3 Easy Steps:

1. Position one spreader below and one spreader above the item to be removed.

2. Turn knobs clockwise by hand or with a hex bit drill gun to spread jamb.

3. Remove/replace components.

BALANCE INSTALLATION TOOL



59-7 (2 Piece Set)
Long Reach Needle Pliers Set
2 piece 11" 20° offset & 45° angle
- Reach areas too tight for standard pliers
- Made from drop-forged, heat-treated steel

ALUM-A-LUB LUBRICATING CLEANER

59-5

Alum-A-Lub Cleaner is the "All Purpose" lubricating cleaner that can be used on all products that stick or squeak. Alum-A-Lub assures ease of operation and a "Like New" appearance for metal windows, doors, locks, hinges, cabinets and more. Simply spray and wipe away dirt, grime and gummy residue left by other lubricants. A must for your shop, workroom, home, maintenance department or garage.
Sold individually and in cases of 12.

Net Weight 9.4oz.

L.C. WAX ALUMASLICK ALUMINUM LUBRICANT

59-50

"L.C. Wax" Alumaslick Aluminum Lubricant & Liquid Masking cleans and lubricates aluminum better than anything. Quick penetration/release and long lasting lubrication. Cleans corrosion and tarnish; protects from salt corrosion; reduces wear; stops squeaks, bumps, klunks, clinks.
Sold individually and in cases of 12.

Net Weight 11oz.

AZA SALES
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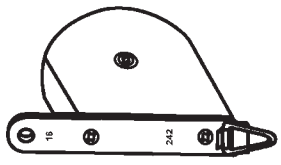
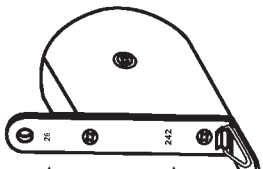
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

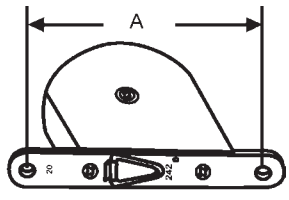
TAPE BALANCES



Overhead Style - FT



Overhead Style - AT



Side Style - S

Size	A
242S	5"
150S	5-1/4"
154S	6-1/16"

Ordering Information

1. Identify Style: FT - AT - S
2. Identify Type: 242 -150 -154 (Type number will be stamped on face plate).
3. Determine weight. (Number is stamped on face plate.)
4. Select our corresponding part number from chart below.

General Information

1. Type 242 for maximum sash weight 26 lbs., tape length 39".
   Type 150 for maximum sash weight 35 lbs., tape length 50".
   Type 154 for maximum sash weight 50 lbs., tape length 50".
2. Balance size is governed by the weight of sash and length of tape required. All balance weights are per pair of balances.
3. Tapes for special weight and lengths are available. Consult your sales representative.
4. All tape balances are custom made and, therefore, they are non-returnable.

Overhead Style - FT

LBS.	TYPE 242 Part #	TYPE 150* Part #	TYPE 154 Part #
4	96-1	-	-
6	96-2	96-37	-
8	96-3	96-38	-
10	96-4	96-39	-
12	96-5	96-40	-
14	96-6	96-41	-
16	96-7	96-42	-
18	96-8	96-43	-
20	96-9	96-44	96-73
22	96-10	96-45	96-74
24	96-11	96-156	96-75
26	96-12	96-46	96-76
28	-	96-47	96-77
30	-	-	96-78
32	-	96-48	96-79
34	-	-	96-80
36	-	96-154	96-81
38	-	96-155	96-82
40	-	-	96-83

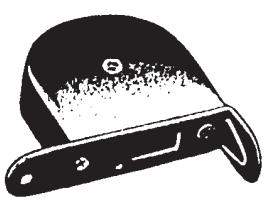
Overhead Style - AT

LBS.	TYPE 242 Part #	TYPE 150* Part #	TYPE 154 Part #
4	96-13	-	-
6	96-14	96-49	-
8	96-15	96-50	-
10	96-16	96-51	-
12	96-17	96-52	-
14	96-18	96-53	-
16	96-19	96-54	-
18	96-20	96-55	-
20	96-21	96-56	96-84
22	96-22	96-57	96-85
24	96-23	-	96-86
26	96-24	96-58	96-87
28	-	96-59	96-88
30	-	-	96-89
32	-	96-60	96-90
34	-	-	96-91
36	-	-	96-92
38	-	-	96-93
40	-	-	96-94

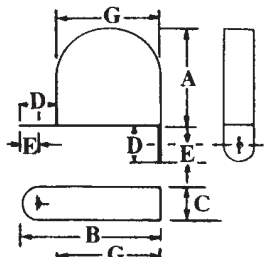
Side Style - S

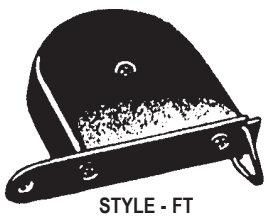
LBS.	TYPE 242 Part #	TYPE 150* Part #	TYPE 154 Part #
4	96-25	-	-
6	96-26	96-61	-
8	96-27	96-62	-
10	96-28	96-63	-
12	96-29	96-64	-
14	96-30	96-65	-
16	96-31	96-66	-
18	96-32	96-67	-
20	96-33	96-68	96-95
22	96-34	96-69	96-96
24	96-35	-	96-97
26	96-36	96-70	96-98
28	-	96-71	96-99
30	-	-	96-100
32	-	96-72	96-101
34	-	-	96-102
36	-	-	96-103
38	-	-	96-104
40	-	-	96-105

* Note: Type 150 adjustable to 3 lbs. plus or minus weight specified

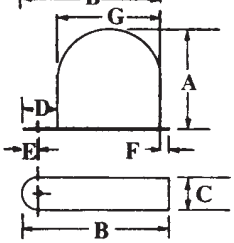


STYLE - AT





STYLE - FT

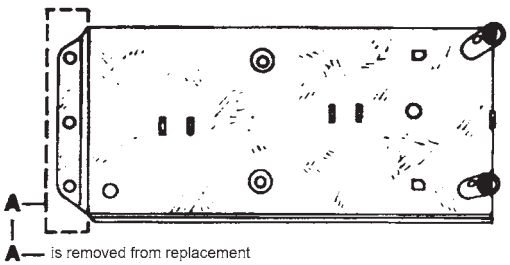


TAPE BALANCE TECHNICAL INFORMATION

Size	A	B	C	D	E	G
242AT	3"	4-5/16"	7/8"	1-5/16"	5/16"	3"
150AT	3-3/8"	4-11/16"	1-1/8"	1-5/16"	3/8"	3-3/8"
154AT	3-5/16"	5-5/32"	1-1/4"	1-17/32"	15/32"	3-15/16"
242S	3"	5-5/8"	7/8"	1-5/16"	5/16"	3"
150S	3-3/8"	6"	1-1/8"	1-5/16"	3/8"	3-3/8"
154S	3-15/16"	7"	1-1/4"	1-13/32"	15/32"	3-15/16"
242FT	3"	4-11/16"	7/8"	1-5/16"	3/8"	3"
150FT	3-3/8"	5-1/8"	1"	1-5/16"	3/8"	3-3/8"
154FT	3-15/16"	5-13/16"	1-1/4"	1-17/32"	11/32"	3-15/16"

WGT. of Sash	4-26 lbs.	4-35 lbs.	20-50 lbs.
Balance Size	242	150	154
*Standard Tape Length	39"	50"	50"

PERMA-SHIELD® NARROWLINE® WINDOW BALANCERS



Perma-Shield® Narrowline® Sash Balancers

CAN BE USED TO REPLACE BALANCERS #	OUR PART NUMBER	USED TO REPLACE SERVICE BALANCERS #	OUR PART NUMBER
331, 319, 325	**750-1626012**	**NOTE: Use the following service balancers on 56" high units or where limited travel is necessary.**	
431, 419, 425, 431	**750-1626018**		
531, 519, 523, 527	**750-1626024**		
637, 623, 627, 631	**750-1626029**	R12/827	**750-1626088**
737, 725, 727, 731	**750-1626034**	L9/1327	**750-1626090**
837, 823, 827, 831	**750-1626037**	L10/1427	**750-1626094**
939, 927, 931, 937	**750-1626043**	R13/927	**750-1626092**
1031, 1027	**750-1626044**	L10/1827	**750-1626055**
1133, 1131	**750-1626045**	R14/1027	**750-1626096**
11L, 10SL	**750-1626074**	L12/1827	**750-1626070**
11R, 10SR	**750-1626076**	L1719/37	**750-1626059**
1231, 1226, 1227	**750-1626048**	R1737/19	**750-1626061**
1331	**750-1626050**	R18/1027	**750-1626057**
13L, 12SL	**750-1626078**	R18/1227	**750-1626072**
13R, 12SR	**750-1626080**		
1427, 1426	**750-1626052**		
1527	**750-1626053**		
16L, 14SL	**750-1626082**		
16R, 14SR	**750-1626084**		
L1427/31	**750-1626066**		
R1431/27	**750-1626068**		
L8/1227	**750-1626086**		

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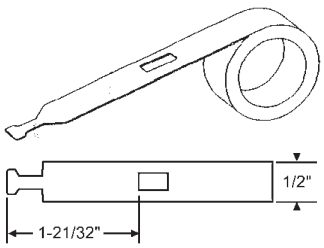
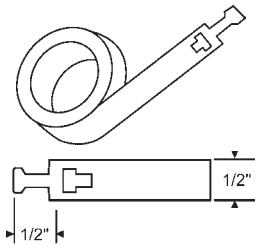
OMEGA CONSTANT FORCE BALANCE SYSTEM



STANDARD SPRING

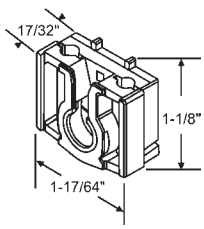
1. Determine correct sash weight (weights shown are per each side of sash)
2. Top sash should be overbalanced by selecting next highest balance.



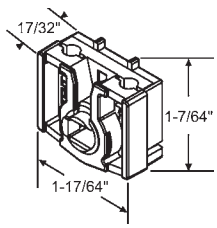
EGRESS SPRING

Spring Type	Sash/Spring Weight (per each side)	Coil Spring Length	Part Number
STANDARD	3.5LBS.	33"	**900-21234**
STANDARD	3.5LBS.	35"	**96BU-1**
STANDARD	4.5LBS.	33"	**96BU-2**
STANDARD	7.5LBS.	33"	**900-21959**
EGRESS	3.5LBS.	33"	**900-21958**
EGRESS	5.5LBS.	33"	**96BU-3**

BRAKE SHOE

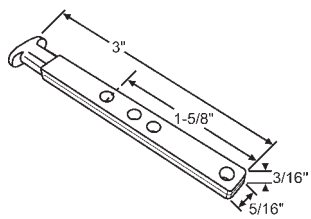


900-19198
No Longer Available. **Use: 900-19198NS**



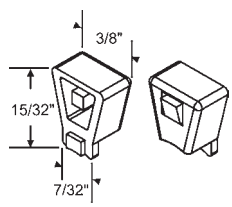
900-19198NS
Spring Side. Super Tough Nylon

PIVOT BAR



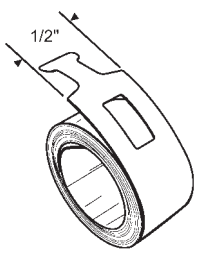
900-22526

PIVOT BAR RETAINER



900-22527

96BT SERIES CONSTANT FORCE BALANCES

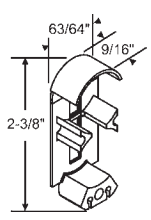


Spring

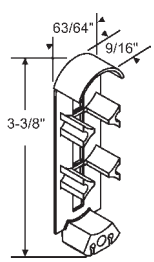
TITAN
1" Pocket Size

Our Part #	Weight
96BT-1	3.5 lbs.
96BT-2	4.5 lbs.

BALANCE SUPPORTS

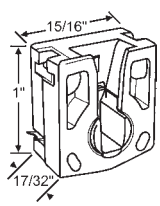


96BT-5
Dual Support



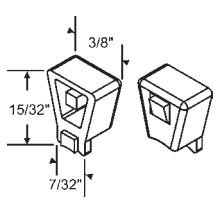
96BT-6
Triple Support

LOCK SHOE



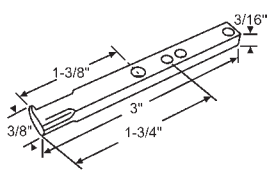
96BT-3
Supa

PIVOT RETAINER

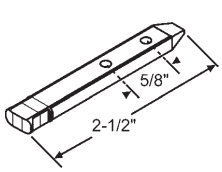


900-22527

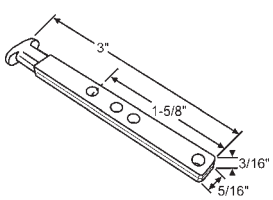
PIVOT BAR



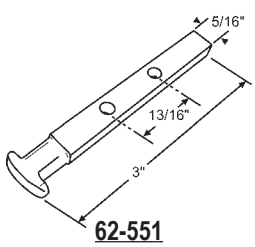
62-545
Transit



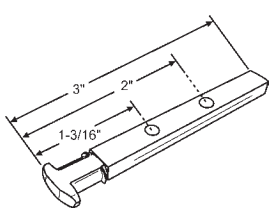
62-550
T-Head



900-22526
4- Hole

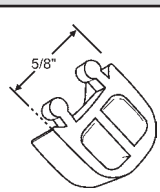


62-551
Use: 62-553



62-553

BUMPER

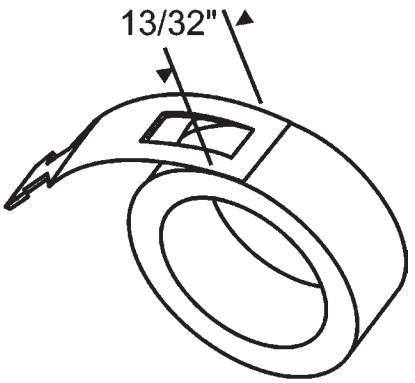


96BT-4

96BG SERIES CONSTANT FORCE BALANCES

Amesbury Truth™

3/8" Gecko System

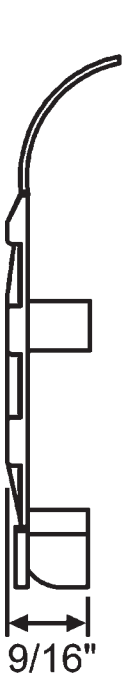


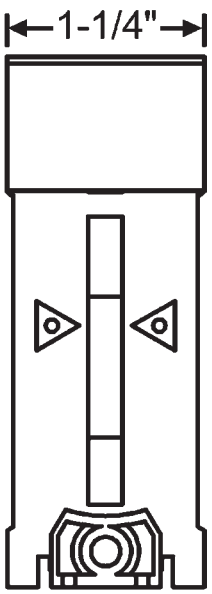
Egress Coil

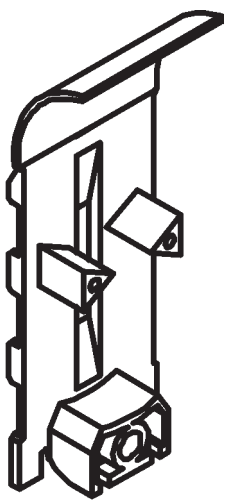
Our Part #	Weight
96BG-1	3 lbs.
96BG-2	4 lbs.
96BG-3	5 lbs.
96BG-7	6 lbs.

Max Travel of Coils 35"

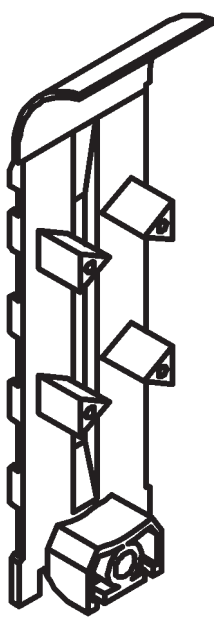
96BG SERIES BALANCE SUPPORTS



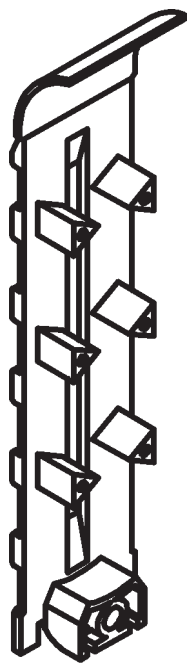




96BG-4
Egress Dual Support



96BG-5
Egress Triple Support



96BG-6
Egress Quad Support

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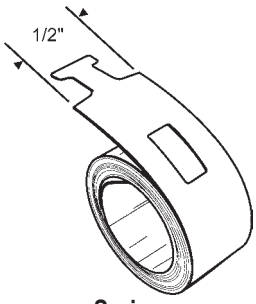
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

96BU SERIES CONSTANT FORCE BALANCES

UNIVERSAL

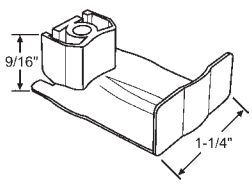
1-1/4" Pocket Size



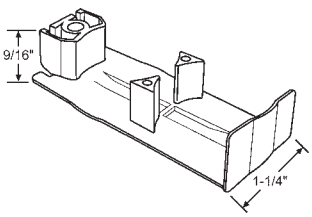
Spring

Weight	Our Part #
3.5 lbs.	**96BU-1**
4.5 lbs.	**96BU-2**
5.5 lbs.	**96BU-3**
6.5 lbs.	**96BU-4**
7.5 lbs.	**96BU-5**
9 lbs.	**96BU-10**
10 lbs.	**96BU-12**

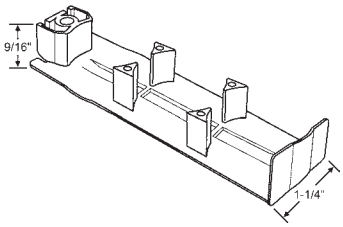
96BU SERIES BALANCE SUPPORTS



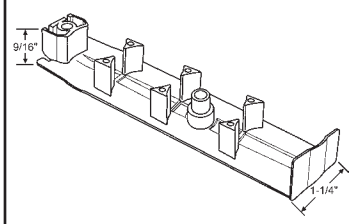
96BU-6
Single Support



96BU-7
Dual Support



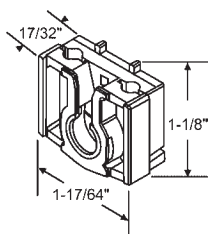
96BU-8
Triple Support



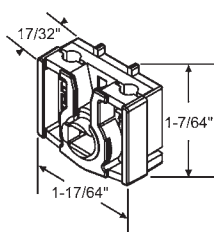
96BU-9
Quad Support

96BU SERIES BALANCE ACCESSORIES

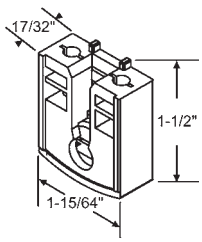
LOCK BRAKE SHOE



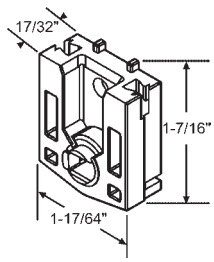
900-19198
No Longer Available
Use: 900-19198NS



900-19198NS
Spring Side
Super Tough Nylon

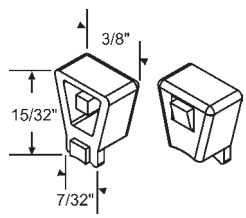


96O-102
Back Locking Shoe



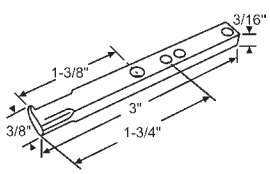
96O-105
Spring Side

PIVOT RETAINER

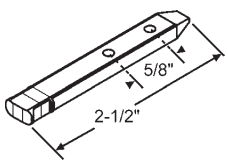


900-22527

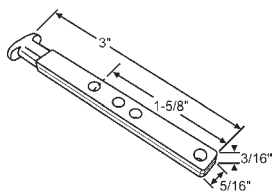
PIVOT BARS



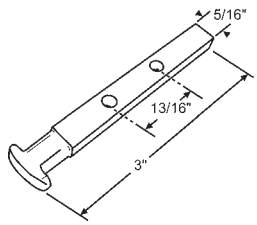
62-545
Transit



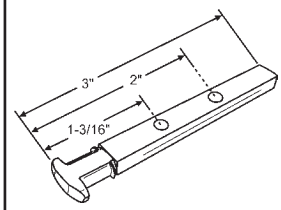
62-550
T Head Pivot



900-22526
T-Pivot



62-551
Use: 62-553

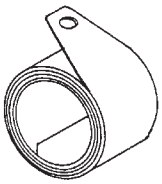


62-553

96-C SERIES COILED BALANCE SPRINGS

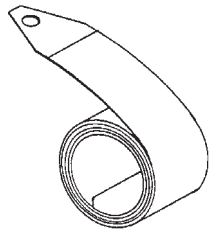
CERTAINTEED

Short Tongue, 3/4" Wide



Number Stamped on Spring	Weight	Our Part #
263-S	3 lbs.	**96-C263**
334-S	4 lbs.	**96-C334**
335-S	5 lbs.	**96-C335**
405-S	5 lbs.	**96-C405**
336-S	6 lbs.	**96-C336**
406-S	6 lbs.	**96-C406**
407-S	7 lbs.	**96-C407**
408-S	8 lbs.	**96-C408**
409-S	9 lbs.	**96-C409**

Long Tongue, 3/4" Wide

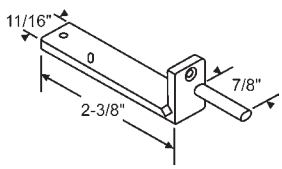


Number Stamped on Spring	Weight	Our Part #
405-L	5 lbs.	**96-C405A**
406-L	6 lbs.	**96-C406A**
407-L	7 lbs.	**96-C407A**
408-8	8 lbs.	**96-C408A**
409-8	9 lbs.	**96-C409A**

Note: Many other manufacturers' variations are available. Contact your account manager if you have a similar product. Samples may be required.

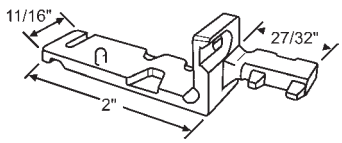
96-C SERIES BALANCE ACCESSORIES

PIVOT BAR

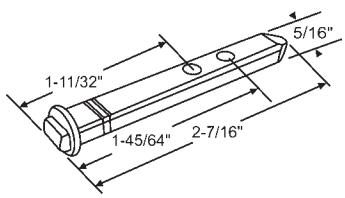


Part #	Hand
96-C7	Shown
96-C6	Opposite

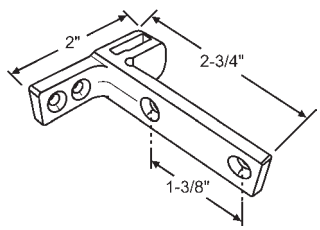
Old Style. No Longer Available
Use 96-C12 & 96-C11



Part #	Hand
96-C12	Shown
96-C11	Opposite

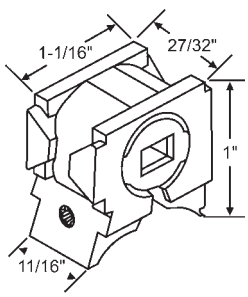


85-864

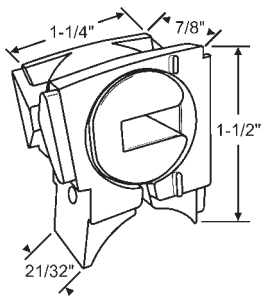


96-C700

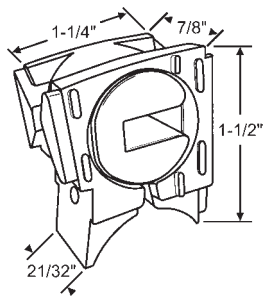
PIVOT LOCK SHOE



Old Style
With Plastic Cam
No Longer Available
Use: 96-C1

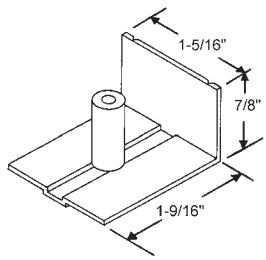


96-C1 (New Style)
With Metal Cam
Cam Opening: 19/64" x 3/16"
CERTAINTEED

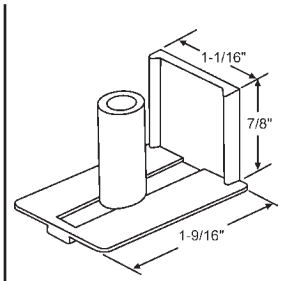


96-C9
Nylon Body with Metal Cam and Alignment Nibs

BALANCE SPRING COVERS

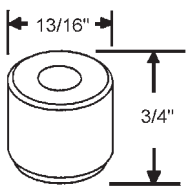


96-C2
Drum Barrel Diameter: Outside 3/8" Inside 5/32". Wide
CERTAINTEED



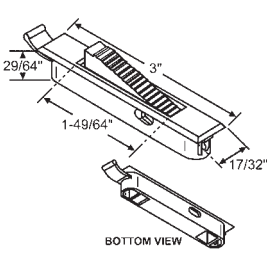
96-C8
Drum Barrel Diameter: Outside 3/8" Inside 1/4". Narrow
CERTAINTEED

BALANCE DRUM

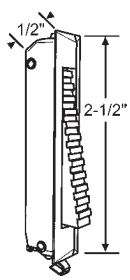


96-C3
CERTAINTEED

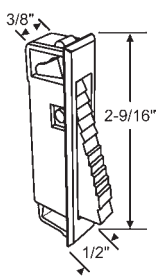
VENT LOCK



85-1123W
White

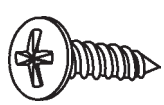


900-13386



900-20590

SHEET METAL SCREW



Part #	Color
20-240	Mill
20-240W	White

#8 x 3/8" Phillips Pan Head
CERTAINTEED

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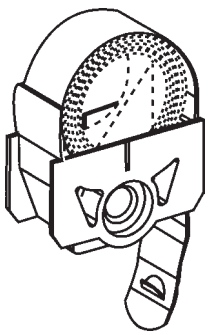
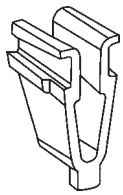
96CQ SERIES QUICK TILT CONSTANT FORCE BALANCE ACCESSORIES

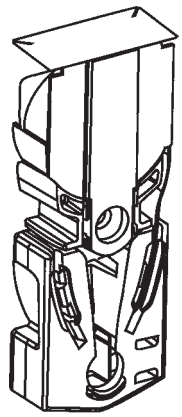
The old style quick tilt constant force balance assemblies are no longer available. They are replaced with quick tilt NC assemblies. The old style quick tilt carriers use the "T" head pivot bars (see below), which will also need to be replaced when converting to the new style quick tilt NC system. The replacement assemblies take the round head pivot bar (see below). When ordering the replacement balance assemblies, identify the carrier size and the weight of the sash. Then, select the corresponding quick tilt NC balance assembly from chart shown on page 130.

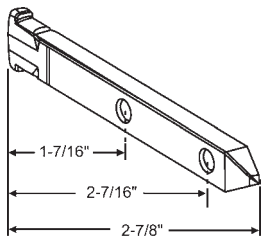
Old Style



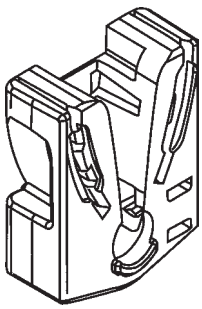


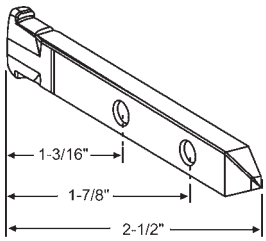
96CQ-10
Tamper Lock



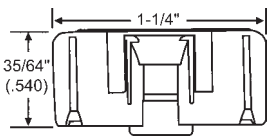


96CQ-20

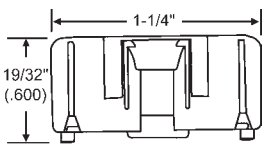




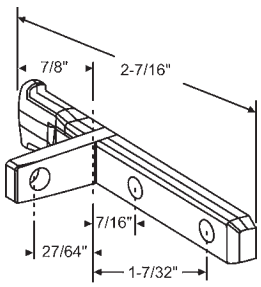
96CQ-22



.540 Carrier



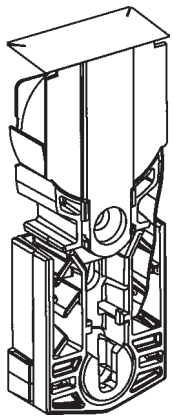
.600 Carrier

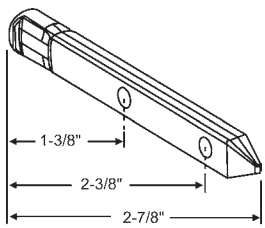


96CQ-26

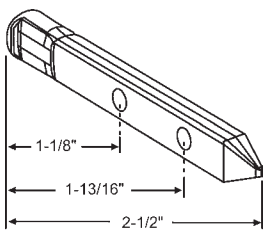
T-Head Pivot Bars
Use with Old Style system
No longer available. Use: 96CQ-27

New Style

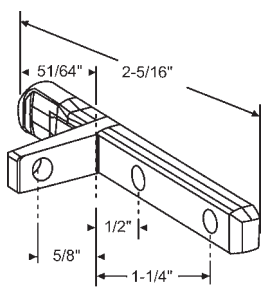




96CQ-24

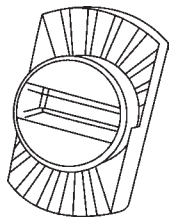


96CQ-23

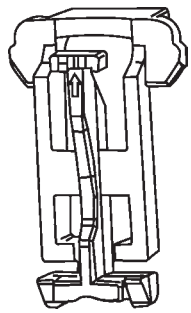


96CQ-27

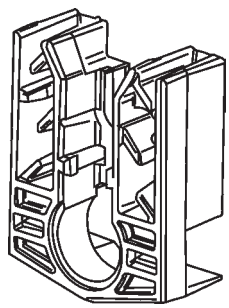
Round-Head Pivot Bars
Use when converting to quick tilt NC.

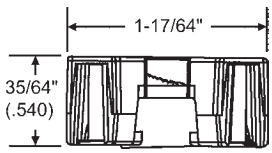


96CQ-18
Friction Adjuster

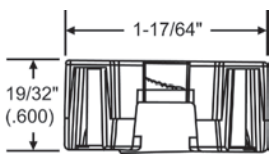


96CQ-17
Tamper Lock





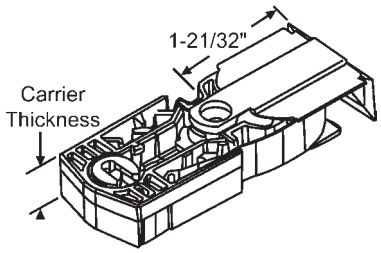
.540 Carrier



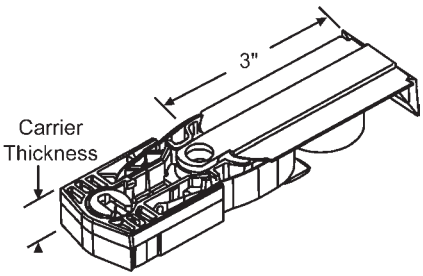
.600 Carrier

96CQ SERIES QUICK TILT CONSTANT FORCE BALANCES

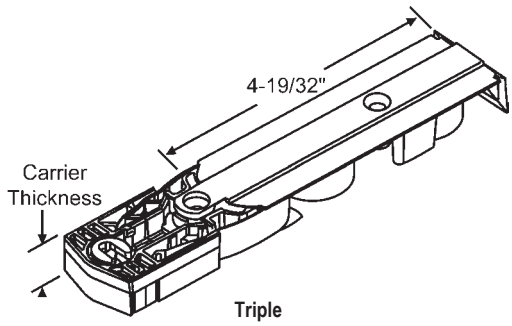
Coil balance assemblies are listed by carrier thickness. These carriers use a round head pivot bar. Quick Tilt coil balances are sold as a complete set only.



Single (RH Shown)

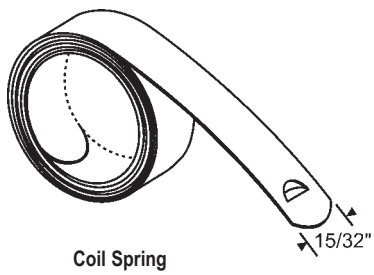


Tandem

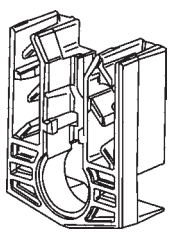


Triple

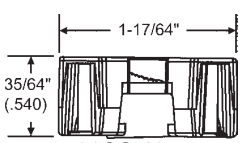
Weight	Coil	Balance Assembly with .540 Carrier Thickness	Balance Assembly with .600 Carrier Thickness
3 lb. Cover Assy. RH	SINGLE	96CQ-30RH	96CQ-31RH
4 lb. Cover Assy. RH	SINGLE	96CQ-32RH	96CQ-33RH
5 lb. Cover Assy. RH	SINGLE	96CQ-34RH	96CQ-35RH
6 lb. Cover Assy. RH	SINGLE	96CQ-36RH	96CQ-37RH
7 lb. Cover Assy. RH	SINGLE	96CQ-38RH	96CQ-39RH
8 lb. Cover Assy. RH	SINGLE	96CQ-40RH	96CQ-41RH
9 lb. Cover Assy. RH	SINGLE	96CQ-42RH	96CQ-43RH
3 lb. Cover Assy. LH	SINGLE	96CQ-30LH	96CQ-31LH
4 lb. Cover Assy. LH	SINGLE	96CQ-32LH	96CQ-33LH
5 lb. Cover Assy. LH	SINGLE	96CQ-34LH	96CQ-35LH
6 lb. Cover Assy. LH	SINGLE	96CQ-36LH	96CQ-37LH
7 lb. Cover Assy. LH	SINGLE	96CQ-38LH	96CQ-39LH
8 lb. Cover Assy. LH	SINGLE	96CQ-40LH	96CQ-41LH
9 lb. Cover Assy. LH	SINGLE	96CQ-42LH	96CQ-43LH
10 lb. Cover Assy.	TANDEM	96CQ-48	96CQ-49
11 lb. Cover Assy.	TANDEM	96CQ-50	96CQ-51
12 lb. Cover Assy.	TANDEM	96CQ-52	96CQ-53
13 lb. Cover Assy.	TANDEM	96CQ-54	96CQ-55
14 lb. Cover Assy.	TANDEM	96CQ-56	96CQ-57
15 lb. Cover Assy.	TANDEM	96CQ-58	96CQ-59
16 lb. Cover Assy.	TANDEM	96CQ-60	96CQ-61
17 lb. Cover Assy.	TANDEM	96CQ-62	96CQ-63
18 lb. Cover Assy.	TANDEM	96CQ-64	96CQ-65
19 lb. Cover Assy.	TRIPLE	96CQ-66	96CQ-67
20 lb. Cover Assy.	TRIPLE	96CQ-68	96CQ-69
21 lb. Cover Assy.	TRIPLE	96CQ-70	96CQ-71
22 lb. Cover Assy.	TRIPLE	96CQ-72	96CQ-73
23 lb. Cover Assy.	TRIPLE	96CQ-74	96CQ-75
24 lb. Cover Assy.	TRIPLE	96CQ-76	96CQ-77
25 lb. Cover Assy.	TRIPLE	96CQ-78	96CQ-79
26 lb. Cover Assy.	TRIPLE	96CQ-80	96CQ-81
27 lb. Cover Assy.	TRIPLE	96CQ-82	96CQ-83



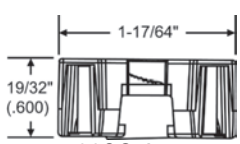
Coil Spring



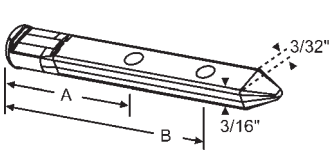
Carrier Body



96CQ-13
.540 Carrier

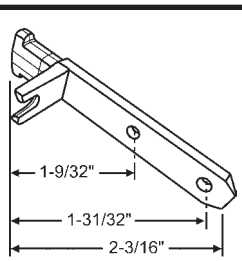


96CQ-15
.600 Carrier

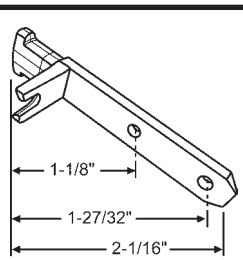


Round Head Pivot Bar

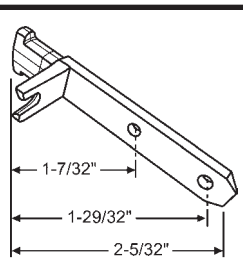
Part #	A	B	Overall Length
96CQ-23	1-1/8"	1-13/16"	2-1/2"
96CQ-24	1-3/8"	2-3/8"	2-7/8"



96CQ-28
Quick Tilt Pivot Bar



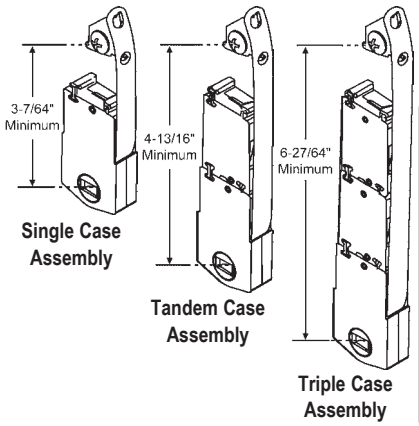
96CQ-29
Quick Tilt Pivot Bar



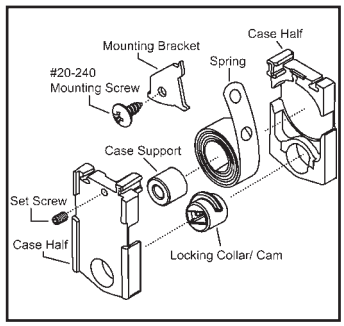
96CQ-30
Quick Tilt Pivot Bar

AZA SALES
TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

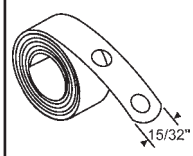
96CR ROLLER TILT CONSTANT FORCE BALANCE SYSTEM



Note: All roller tilt components are sold separately.

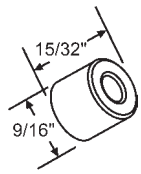


STAINLESS STEEL COIL SPRING



Part #	Spring Capacity
96CR-1	#3
96CR-2	#4
96CR-3	#5
96CR-4	#6
96CR-5	#7
96CR-6	#8
96CR-7	#9

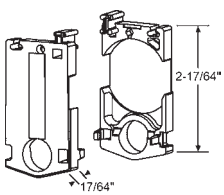
CASE SUPPORT



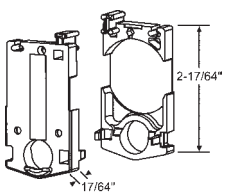
96CR-521
Not required when using new, improved coil spring.

LOCKING CASE HALVES

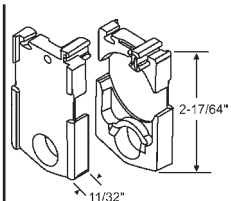
Need to order 2 halves to make up 1 case assembly



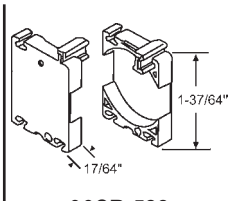
96CR-522
Shown (2) 96CR-522



96CR-523
Shown (1) 96CR-523 and (1) 96CR-522. For Tie in Bar

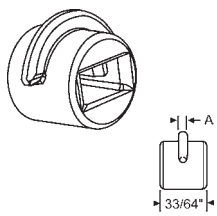


96CR-524
Shown (2) 96CR-524

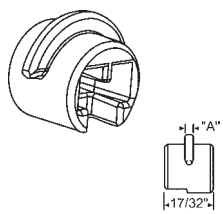


96CR-528
Used to make tandem and triple case assembly. Shown (2) 96CR-528

LOCKING COLLAR



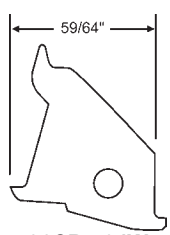
Part #	"A"	Color
96CR-502	3/32"	Blue
96CR-503	7/64"	Black
96CR-514	1/8"	Red



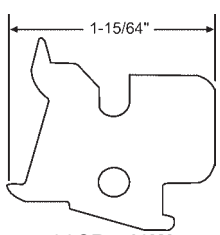
Part #	"A"	Color
96CR-519	3/32"	Blue
96CR-520	7/64"	Black

Tie-In Locking Collar

MOUNTING BRACKETS

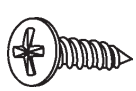


96CR-504W
White

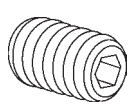


96CR-513W
White

SCREWS

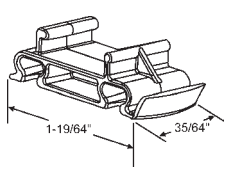


20-240
#8 Pan Head 3/8" Long Mounting Screw.



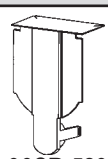
96CR-506
6-32 x 1/4" Friction Adjustment Screw.

ANTI DEBRIS WIPER



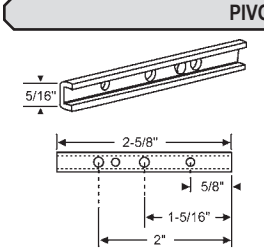
96CR-517

CHIMNEY BLOCK

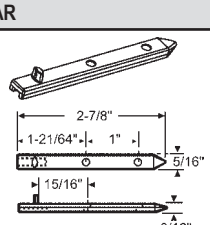


96CR-529
Protects balance against dust and prevents air flow in jamb pocket. Cover will automatically position itself during operation of window.

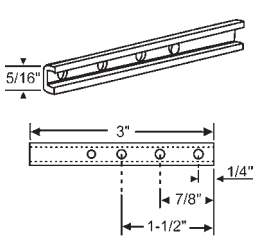
PIVOT BAR



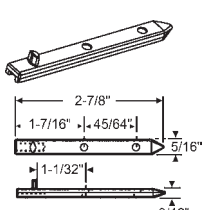
900-15004



96CR-20
Tie-In. Die Cast

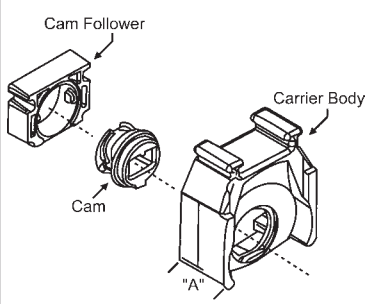


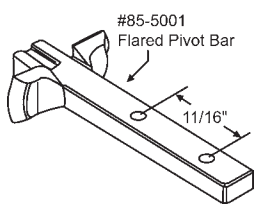
85-627

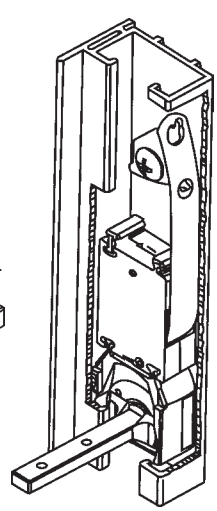


96CR-21
Tie-In. Die Cast

CARRIER ASSEMBLY FOR FLARED PIVOT BARS

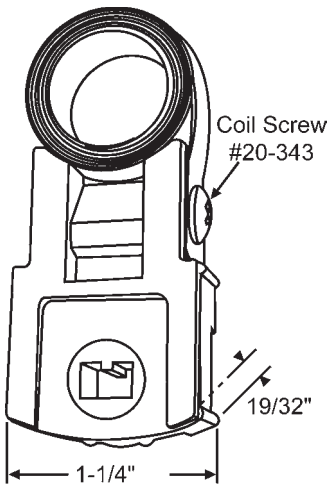






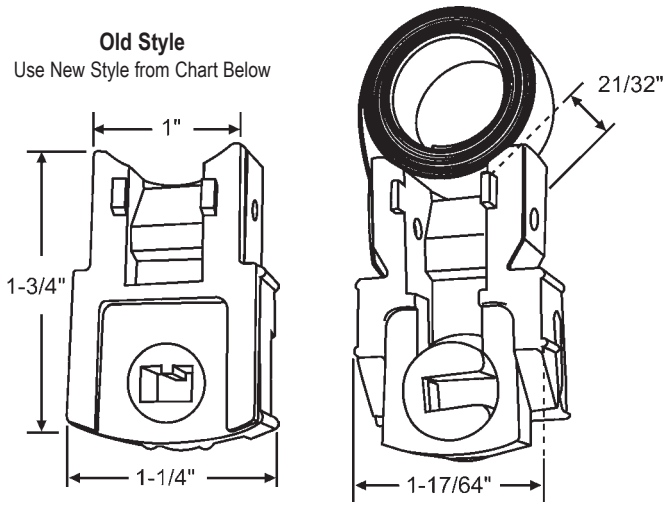
Carrier Assy. Part #	Cam Color	"A"
96CR-511	Natural	35/64" (.548)
96CR-509	Orange	37/64" (.581)
96CR-510	Black	39/64" (.613)

96M SERIES CONSTANT FORCE BALANCE SYSTEM



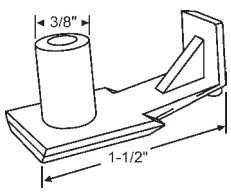
Single or Double Coil	Number Stamped on Coil	Part #
Single	335	**96-M26**
Single	440	**96-M9**
Single	5 or 540	**96-M5**
Single	6 or 640	**96-M3**
Single	7 or 740	**96-M7**
Single	8 or 840	**96-M28**
Single	832	**96-M21**
Double	335/335	**96-M6**
Double	440/440	**96-M17**
Double	440/540	**96-M8**
Double	540/540	**96-M10**
Double	540/640	**96-M11**
Double	640/640	**96-M27**
Double	740/740	**96-M13**
Double	840/840	**96-M29**

Old Style
Use New Style from Chart Below

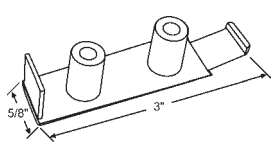


Single or Double Coil	Number Stamped on Coil	Part #
Single	5 or 540	**96-M22**
Single	6 or 640	**96-M3F**
Single	7 or 740	**96-M7F**
Single	8 or 840	**96-M28F**
Single	832	**96-M21F**
Double	440/440	**96-M17F**
Double	440/540	**96-M2**
Double	540/540	**96-M18**
Double	540/640	**96-M25**
Double	640/640	**96-M27F**
Double	840/840	**96-M29F**
Double	740/740	**96-M4**
Double	940/940	**96-M35F**

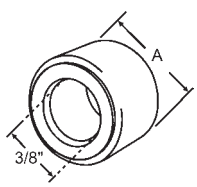
96M SERIES CONSTANT FORCE BALANCE SYSTEM ACCESSORIES



96-M14C
Clip

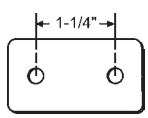


96-M14
Detent Clip

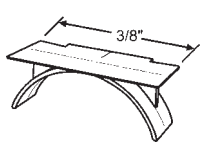


Part #	Color	A
96-M15	Dark Gray	21/32"
96-M15BL	Black	21/32"
96-M15BZ	Bronze	41/64"
96-M15G	Gray	11/16"
96-M15T	Tan	41/64"
96-M15W	White	43/64"

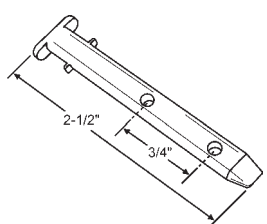
Bushing



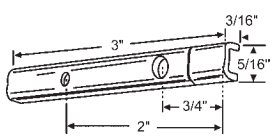
96-M16
Guide



96-M38
Air Pad. White Plastic



96-M30
Pivot Bar. Zinc



96-M23
Universal Pivot Bar

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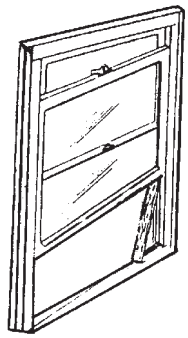
INTRODUCTION TO VINYL JAMBLINERS

DON'T REPLACE - REPAIR your old wood windows with new, thermally-efficient, rattle-free jambliners!

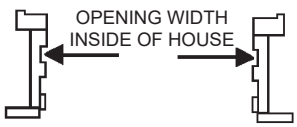
- Vinyl jambliners can reduce air infiltration dramatically and increase the efficiency of wood windows by over 60%!
- They are an excellent option when your customer's wood sash are in good shape but balances, pulleys and weatherstripping are not sufficient.
- We offer a stocking program of tilt and non-tilt jambliners for 1-1/4" and 1-3/8" sash and can provide custom sizes for most window shapes.
- We also provide single and double hung custom made jambliners for 1-3/4" sash. These are used primarily for historical renovations.
- Please refer to our easy-to-use jambliner chart on page 134 to help you determine the jambliner most suited to your customer's needs.
- We also offer a number of options not shown in this catalog. Please contact your account manager for any special requests!

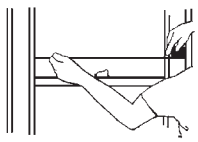


HOW TO MEASURE YOUR EXISTING WINDOW OPENING

WIDTH

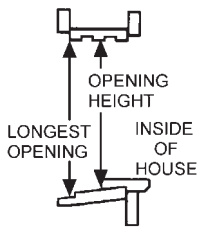
To find the width of the sash opening, measure from inside jamb to inside jamb. This measurement should be approximately 4" wider than the glass width.





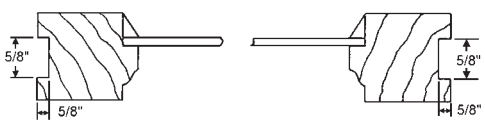
HEIGHT

To find the height of the opening, measure from the header to the sill at the inside edge of the parting bead. This measurement is normally about 6" greater than double the glass height. Also needed is the longest opening height.



HOW TO INSTALL NON-TILT JAMBLINERS

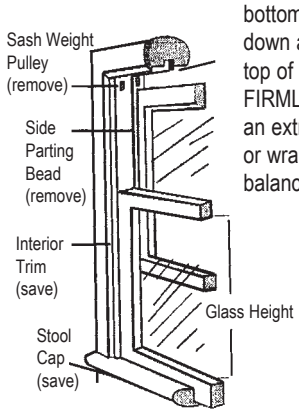
1. In order to accept our 86A, 86B, 86C, 86D jambliners, you must make a 5/8" wide x 5/8" deep square plough along both sides of the sash.



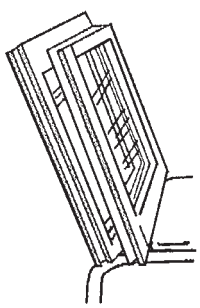
2. If you are replacing sash fitted with ropes or chains, it will be necessary to prepare your opening as follows:

a. Cut off ropes or chains.
b. Remove sash weight pulleys (four).
c. Remove side parting beads; save the head parting bead as it will be reused.

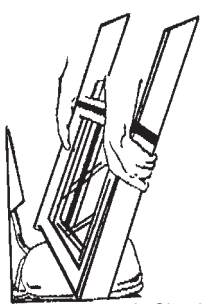
If you are only replacing defective or worn balances, you will need to remove all existing hardware and make room for your new sash/balance system.



3. Set the lower and upper sash on a chair (per diagram) Note: sash are upside down with the interior (bare wood) towards the chair back.



4. Pick up balances with angle cut to top. Place balance with sash platforms resting on bottom of sash. Push sash down about 1-1/2" - 2" below top of balance and HOLD FIRMLY. Note: you may find an extra pair of hands helpful, or wrap tape around sash and balance to assist in handling.



5. Pick up balance with sash so that the interior is facing you. Place the bottom of balance into window frame until it butts outside stop, then ease into position. Raise lower sash, thus driving speed lock into header to secure the balance. Tops of jambliner are slightly aligned for easier installation.

6. Check for proper fit, TEST OPERATION. Then replace stops, head parting bead and remainder of the interior trim.

Account#_____ Salesman_____ PO#_____ Date_____

Jambliner Work Sheet

Is it for a Tilt Window?

Yes

- **Is it for 1-1/4" Sash**
  - Sash size doesn't matter because parting bead is removed.
  - **Do you want spring type balance or block and tackle balance?**
    - **Spring Type**
      - **Use 86E*** (*Screw Mount)
    - **Block & Tackle**
      - **V Plough See Fig. 2**
        - **Bracket Type** → **Use 86F**
        - **Flange Type** → **Use 86H**
      - **Square Plough See Fig. 2**
        - **Bracket Type** → **Use 86G**
        - **Flange Type** → **Use 86I**

  Jambliners available in white and beige

- **Is it for 1-3/8" Sash**
  - **Do you want spring type balance or block and tackle balance?**
    - **Spring Type**
      - **Use 86E*** (*Screw Mount)
    - **Block & Tackle**
      - **V Plough See Fig. 2**
        - **Bracket Type** → **Use 86F**
        - **Flange Type** → **Use 86H**
      - **Square Plough See Fig. 2**
        - **Bracket Type** → **Use 86G**
        - **Flange Type** → **Use 86I**

  Jambliners available in white and beige

- **Is it for 1-3/4" Sash**
  - **Do you want double hung or single hung?**
    - **Double Hung**
      - **Do you want bracket type? (for repair/retrofit) See Fig. 1** → **Use 86M**
      - **Do you want flange type? (used in Mfg.) See Fig. 1** → **Use 86MF**
    - **Single Hung** → **Use 86MS**

  Balances for these Jambliners available in mill only.
  Jambliners available in white and beige.

We suggest ordering square cut so you can make field adjustments. Add 1" or 2" to overall length.

No

- **Is it Single Strength Glass SSB?**
  - **Is it for 1-3/8" Sash?** → **Use 86A**
- **Is it Double Strength Glass DSB?**
  - **Is it for 1-3/8" Sash?** → **Use 86C**
- **Is it Insulated Glass SSB or DSB?**
  - **Is it for 1-3/8" Sash?** → **Use 86C**

JAMBLINERS FOR THESE SERIES ONLY AVAILABLE IN BEIGE AND IN STANDARD SIZES.

Bracket type only available (86MS)

Figure 1

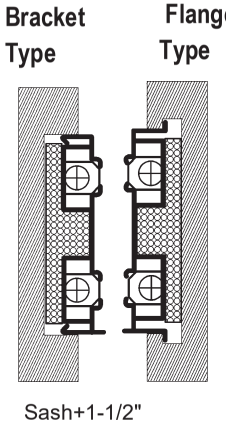
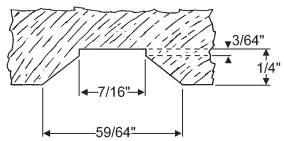
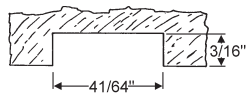


Figure 2

V Plough



Square Plough



Answer Following Questions

Available in standard size only. **Available in custom size. (smallest fraction we can cut is 1/16")**

1. *Circle One:* Balance # { 86A, 86B, 86C, 86D, 86E } { 86F, 86G, 86H, 86I, 86M, 86MF, 86MS }
2. *Circle One:* Sill Angle - Square Cut (Recommended), 15^0 (Most Common), 14^0, 9^0, 7^0, 5^0, Other_____
3. *Circle One:* Color: Beige or White (86A, 86B, 86C & 86D Available in Beige Only)
4. *Circle One:* Color of Balance: -Mill (Standard), White, Beige (86M, 86MF & 86MS Available in Mill Only)
5. *Circle One:* Type of Glass: - Single Strength - Double Strength - Single Strength Insulated - Double Strength Insulated - Triple Glazed
6. *Circle One:* **Bracket Type** - (Primarily used in retrofit) **Flange Type** - (Used in custom mfg.) - **See Figure 1.**
7. *Circle One:* **V plough** or **Square plough** only applies to 86F, 86H, 86G, 86I. - **See Figure 2.**
8. Visible Glass Height of Top Sash _____Top Sash Weight _____
9. Visible Glass Height of Bottom Sash _____ Bottom Sash Weight _____
10. Glass Width (Top and Bottom Same)_____
11. Overall Length to Longest Point_____ Shortest Point _____

Note: Rule of thumb formula for calculating longest point is two times glass height plus 6-3/8" equals length to the longest point.

I understand this material is custom made to specifications as stated on this form and is non-returnable and non-cancelable.

Signature of authorized buyer_____

Quantity _____ **Part #**_____ **Price** _____

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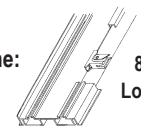
TILT JAMBLINERS WITH BLOCK AND TACKLE BALANCES

7000 SERIES / 9000 SERIES

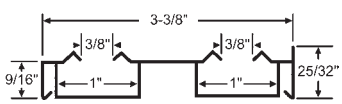
Jambliners with block and tackle balances carry a higher weight range and provide smoother opening and closing compared to spring type balances. To determine which choice best suits your customer's needs, you need to determine:

1. **Bracket Type** - Used primarily in retrofit or flange type -used in custom manufacturing. (Refer to Figure 1.)
2. **V Plough** or **Square Plough** (Refer to Figure 2.)
3. **If converting from a non-tilt to a tilt system** - You will need to cut back sash 1-1/2" (Figure 1) and then plough sash as shown (Figure 2).
   Our chart on the following page offers standard industry sizes; however we can provide a variety of options. See our jambliner chart on page 134 for any special requests.
4. To purchase ribbed balances separately, see page 54 for 62A series.

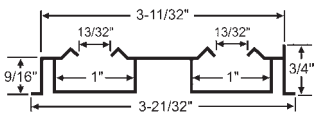


86K & 86J No Longer Available. Use 86F

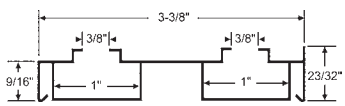
86F - Bracket Type - V Plough



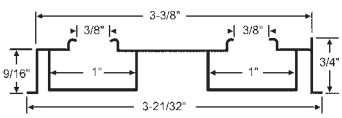
86H - Flange Type - V Plough



86J - Bracket Type - V Plough



86K - Flange Type - V Plough

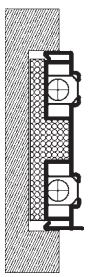


86G - Bracket Type - Sq. Plough

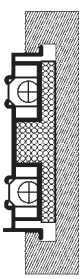
86I - Flange Type - Sq. Plough

Figure 1

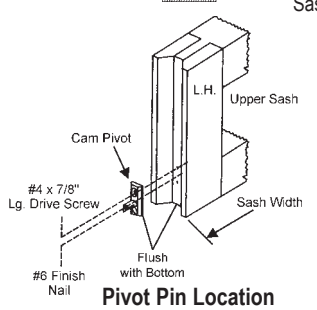
Bracket Type



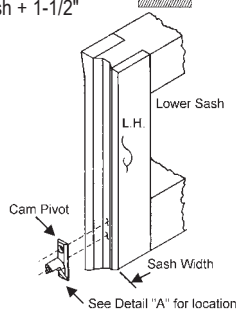
Flange Type



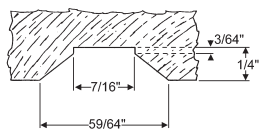
Sash + 1-1/2"



Pivot Pin Location



V Plough



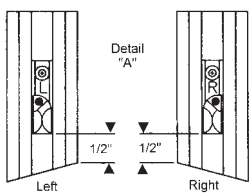
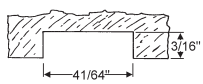
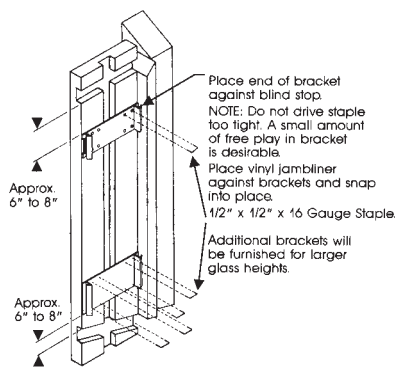


Figure 2

Square Plough

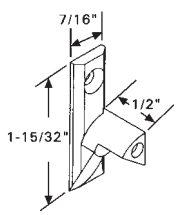


Bracket Installation

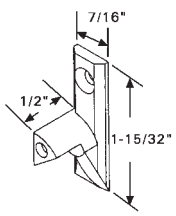


7000/9000 SERIES HARDWARE

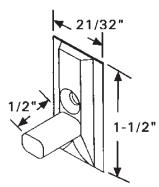
CAM PIVOTS



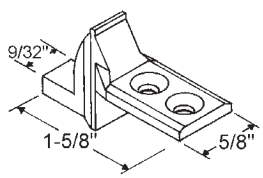
Part #	Description
62-650RH	Zinc
62-649RB	Black Plastic



Part #	Description
62-650LH	Zinc
62-649LW	White Plastic

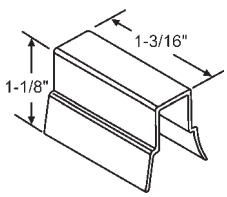


62-652
Die Cast
Square Plough



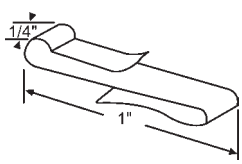
62-656
CARADCO

SASH STOP

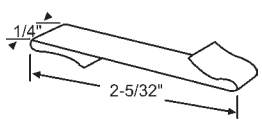


Part #	Color
62-701BG	Beige
62-701	White

BALANCE CLIPS

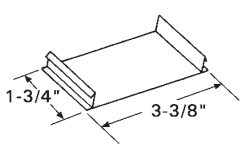


62-517

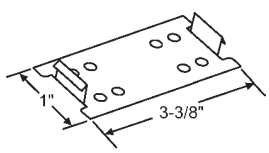


62-518

INSTALLATION BRACKETS



86-21
Vinyl Release



86-22
Standard, Metal

TILT JAMBLINERS WITH BLOCK AND TACKLE BALANCES

7000 Series Part # for Standard Jambliner Sets 15° with Standard Lengths.

When ordering any of these Jambliners, identify the number you need and add part number to Jambliner form, sign and fax to our office.

Glass Height	Number Stamped on Balance	Balance Length	Approx. Sash Weight Capacity	86F White Bracket Type V Plough	86H White Flange Type V Plough	86G White Bracket Type Square Plough	86I White Flange Type Square Plough	Length to Longest Point
12"	12 REG	13"	8-11 lbs.	86F-15°-30-3/8	86H-15°-30-3/8	86G-15°-30-3/8	86I-15°-30-3/8	30-3/8"
12"	12HD	13"	12-14 lbs.	86F-15°-30-3/8HD	86H-15°-30-3/8HD	86G-15°-30-3/8HD	86I-15°-30-3/8HD	30-3/8"
14"	14 REG	15"	10-15 lbs.	86F-15°-34-3/8	86H-15°-34-3/8	86G-15°-34-3/8	86I-15°-34-3/8	34-3/8"
14"	14 HD	15"	15-22 lbs.	86F-15°-34-3/8HD	86H-15°-34-3/8HD	86G-15°-34-3/8HD	86I-15°-34-3/8HD	34-3/8"
16"	16 REG	17"	10-17 lbs.	86F-15°-38-3/8	86H-15°-38-3/8	86G-15°-38-3/8	86I-15°-38-3/8	38-3/8"
16"	16HD	17"	17-22 lbs.	86F-15°-38-3/8HD	86H-15°-38-3/8HD	86G-15°-38-3/8HD	86I-15°-38-3/8HD	38-3/8"
18"	18 REG	19"	10-17 lbs.	86F-15°-42-3/8	86H-15°-42-3/8	86G-15°-42-3/8	86I-15°-42-3/8	42-3/8"
18"	18 HD	19"	17-22 lbs.	86F-15°-42-3/8HD	86H-15°-42-3/8HD	86G-15°-42-3/8HD	86I-15°-42-3/8HD	42-3/8"
20"	20 REG	21"	10-17 lbs.	86F-15°-46-3/8	86H-15°-46-3/8	86G-15°-46-3/8	86I-15°-46-3/8	46-3/8"
20"	20 HD	21"	17-20 lbs.	86F-15°-46-3/8HD	86H-15°-46-3/8HD	86G-15°-46-3/8HD	86I-15°-46-3/8HD	46-3/8"
20"	20 TG	21"	20-30 lbs.	86F-15°-46-3/8TG	86H-15°-46-3/8TG	86G-15°-46-3/8TG	86I-15°-46-3/8TG	46-3/8"
22"	22 REG	23"	10-18 lbs.	86F-15°-50-3/8	86H-15°-50-3/8	86G-15°-50-3/8	86I-15°-50-3/8	50-3/8"
22"	22 HD	23"	18-22 lbs.	86F-15°-50-3/8HD	86H-15°-50-3/8HD	86G-15°-50-3/8HD	86I-15°-50-3/8HD	50-3/8"
22"	22 TG	23"	22-30 lbs.	86F-15°-50-3/8TG	86H-15°-50-3/8TG	86G-15°-50-3/8TG	86I-15°-50-3/8TG	50-3/8"
24"	24 REG	25"	10-18 lbs.	86F-15°-54-3/8	86H-15°-54-3/8	86G-15°-54-3/8	86I-15°-54-3/8	54-3/8"
24"	24 HD	25"	18-22 lbs.	86F-15°-54-3/8HD	86H-15°-54-3/8HD	86G-15°-54-3/8HD	86I-15°-54-3/8HD	54-3/8"
24"	24TG	25"	22-30 lbs.	86F-15°-54-3/8TG	86H-15°-54-3/8TG	86G-15°-54-3/8TG	86I-15°-54-3/8TG	54-3/8"
26"	26 REG	27"	10-19 lbs.	86F-15°-58-3/8	86H-15°-58-3/8	86G-15°-58-3/8	86I-15°-58-3/8	58-3/8"
26"	26 HD	27"	19-24 lbs.	86F-15°-58-3/8HD	86H-15°-58-3/8HD	86G-15°-58-3/8HD	86I-15°-58-3/8HD	58-3/8"
26"	26 TG	27"	24-31 lbs.	86F-15°-58-3/8TG	86H-15°-58-3/8TG	86G-15°-58-3/8TG	86I-15°-58-3/8TG	58-3/8"
28"	28 REG	29"	15-22 lbs.	86F-15°-62-3/8	86H-15°-62-3/8	86G-15°-62-3/8	86I-15°-62-3/8	62-3/8"
28"	28 HD	29"	22-28 lbs.	86F-15°-62-3/8HD	86H-15°-62-3/8HD	86G-15°-62-3/8HD	86I-15°-62-3/8HD	62-3/8"
28"	28 TG	29"	28-35 lbs.	86F-15°-62-3/8TG	86H-15°-62-3/8TG	86G-15°-62-3/8TG	86I-15°-62-3/8TG	62-3/8"
30"	30 REG	31"	15-23 lbs.	86F-15°-66-3/8	86H-15°-66-3/8	86G-15°-66-3/8	86I-15°-66-3/8	66-3/8"
30"	30 HD	31"	23-29 lbs.	86F-15°-66-3/8HD	86H-15°-66-3/8HD	86G-15°-66-3/8HD	86I-15°-66-3/8HD	66-3/8"
30"	30 TG	31"	30-36 lbs.	86F-15°-66-3/8TG	86H-15°-66-3/8TG	86G-15°-66-3/8TG	86I-15°-66-3/8TG	66-3/8"
32"	32 REG	33"	15-24 lbs.	86F-15°-70-3/8	86H-15°-70-3/8	86G-15°-70-3/8	86I-15°-70-3/8	70-3/8"
32"	32 HD	33"	24-29 lbs.	86F-15°-70-3/8HD	86H-15°-70-3/8HD	86G-15°-70-3/8HD	86I-15°-70-3/8HD	70-3/8"
32"	32 TG	33"	29-36 lbs.	86F-15°-70-3/8TG	86H-15°-70-3/8TG	86G-15°-70-3/8TG	86I-15°-70-3/8TG	70-3/8"
34"	34 REG	35"	15-24 lbs.	86F-15°-74-3/8	86H-15°-74-3/8	86G-15°-74-3/8	86I-15°-74-3/8	74-3/8"
34"	34 HD	35"	24-29 lbs.	86F-15°-74-3/8HD	86H-15°-74-3/8HD	86G-15°-74-3/8HD	86I-15°-74-3/8HD	74-3/8"
34"	34 TG	35"	29-36 lbs.	86F-15°-74-3/8TG	86H-15°-74-3/8TG	86G-15°-74-3/8TG	86I-15°-74-3/8TG	74-3/8"
36"	36 REG	37"	15-24 lbs.	86F-15°-78-3/8	86H-15°-78-3/8	86G-15°-78-3/8	86I-15°-78-3/8	78-3/8"
36"	36 HD	37"	24-29 lbs.	86F-15°-78-3/8HD	86H-15°-78-3/8HD	86G-15°-78-3/8HD	86I-15°-78-3/8HD	78-3/8"
36"	36TG	37"	29-38 lbs.	86F-15°-78-3/8TG	86H-15°-78-3/8TG	86G-15°-78-3/8TG	86I-15°-78-3/8TG	78-3/8"
38"	38 REG	39"	15-25 lbs.	86F-15°-82-3/8	86H-15°-82-3/8	86G-15°-82-3/8	86I-15°-82-3/8	82-3/8"
38"	38 HD	39"	24-29 lbs.	86F-15°-82-3/8HD	86H-15°-82-3/8HD	86G-15°-82-3/8HD	86I-15°-82-3/8HD	82-3/8"
38"	38 TG	39"	29-38 lbs.	86F-15°-82-3/8TG	86H-15°-82-3/8TG	86G-15°-82-3/8TG	86I-15°-82-3/8TG	82-3/8"
40"	40 REG	41"	15-25 lbs.	86F-15°-86-3/8	86H-15°-86-3/8	86G-15°-86-3/8	86I-15°-86-3/8	86-3/8"
40"	40 HD	41"	25-30 lbs.	86F-15°-86-3/8HD	86H-15°-86-3/8HD	86G-15°-86-3/8HD	86I-15°-86-3/8HD	86-3/8"
40"	40 TG	41"	30-38 lbs.	86F-15°-86-3/8TG	86H-15°-86-3/8TG	86G-15°-86-3/8TG	86I-15°-86-3/8TG	86-3/8"
42"	42 REG	43"	15-25 lbs.	86F-15°-90-3/8	86H-15°-90-3/8	86G-15°-90-3/8	86I-15°-90-3/8	90-3/8"
42"	42 HD	43"	25-30 lbs.	86F-15°-90-3/8HD	86H-15°-90-3/8HD	86G-15°-90-3/8HD	86I-15°-90-3/8HD	90-3/8"
42"	42 TG	43"	30-38 lbs.	86F-15°-90-3/8TG	86H-15°-90-3/8TG	86G-15°-90-3/8TG	86I-15°-90-3/8TG	90-3/8"

To order beige jambliners, add "B" after part number. Example: 86F-15°-30-3/8HDB

Note: For all variations or specials please refer to chart on page 134.

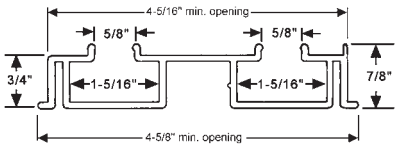
All balances for jambliners are supplied in mill finish. If color balances are required, please fill out form on page 134.

AZA SALES

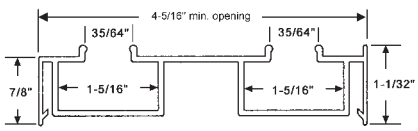
TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

HEAVY DUTY MAGNUM TILT JAMBLINERS FOR 1-3/4" SASH

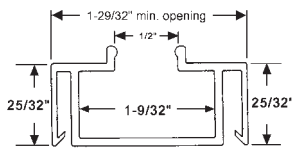
- The magnum jambliners are the choice for historical restorations.
- Can carry up to 80 lb. sash weights; however, sash over 48" height and 50 lbs. must have limited travel.
- Magnums are offered for both double hung and single hung. Single hung is an excellent choice when top sash is fixed -cost is dramatically reduced.
- Double hung is offered in bracket type or flange type. Single hung is bracket type only.
- Available in white or beige finishes.
- Sets include hardware. Top retainer and can be used to make jambliners non-tilt. Hardware includes (2) RH and (2) LH pivots, (2) sash stops and (2) sash retainers for lower sash. For bracket type installation up to 54", use (4) brackets per set; up to 84", use (6) brackets per set; 84", use (8) brackets per set.



86MF - Flange Type



86M - Bracket Type



86MS - Bracket Type

***Magnum series is not a stock item and must be custom made. Please fill out information below. These items are non-returnable.**

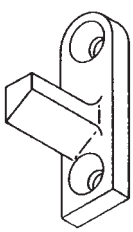
1. Circle one: Do you want single hung (86 MS) or double hung jambliner?
2. Circle one: If double hung -do you want bracket type (86M) or flange type (86MF)?
3. Circle one: beige or white
4. Circle one: sill angle-square cut (recommended) 15° (most common), 14°, 9°, 7°, 5°, other _____
5. Visible glass height of top sash _____, top sash weight _____
6. Visible glass height of bottom sash _____, bottom sash weight _____
7. Glass width (top and bottom same)_____
8. Overall length to longest point_____ shortest point _____

Example: 86M-Sq-76S45B means double-hung, bracket type jambliner (86M), square cut (Sq.), 76" long, 45 lbs. beige (B).

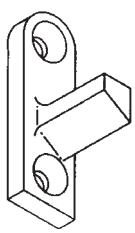
86M - 86MF - 86MS HARDWARE

Hardware is included with jambliner set. These items can also be purchased separately.

CAM PIVOTS

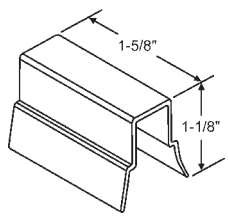


62-651LH



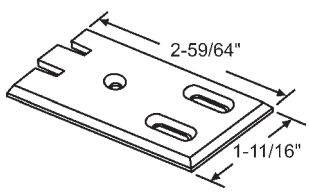
62-651RH

SASH STOP



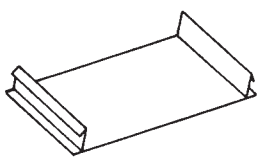
Part #	Color
62-702	White
62-702BG	Beige

SASH RETAINERS

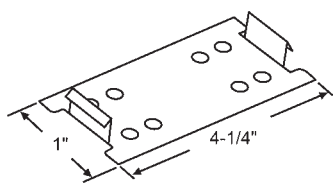


Part #	Color
62-657	White
62-657DBR	Dark Brown

INSTALLATION BRACKETS



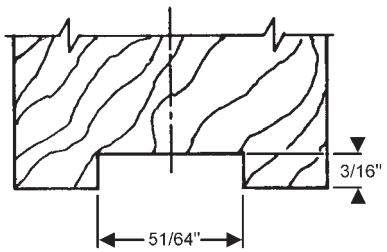
86-16
Single Hung Bracket



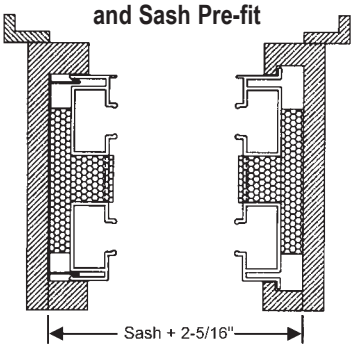
86-9
Double Hung Bracket

SASH PREPARATION AND INSTRUCTIONS FOR HEAVY DUTY MAGNUM

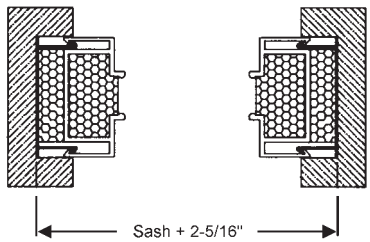
Sash Preparation for Single and Double Hung

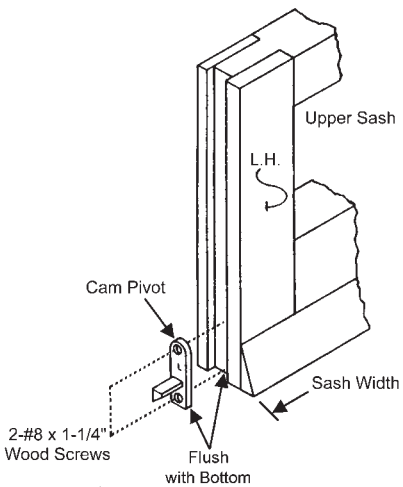


Double Hung Frame Applications and Sash Pre-fit

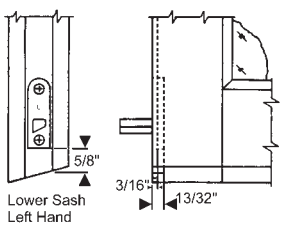


Single Hung Frame Applications and Sash Pre-fit

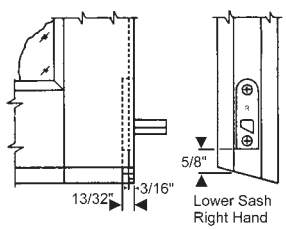


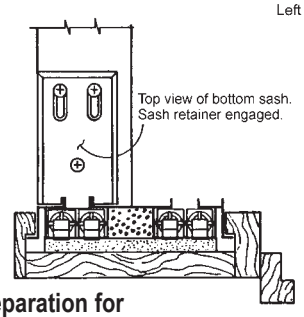


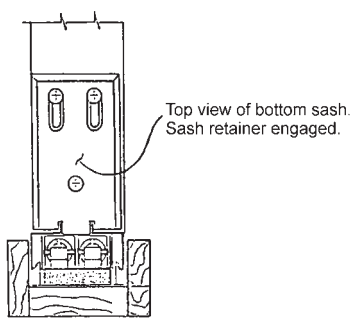
Bracket Flange

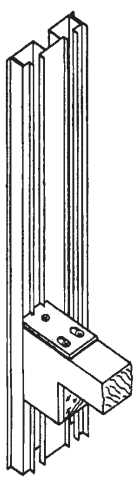


Detail "A"

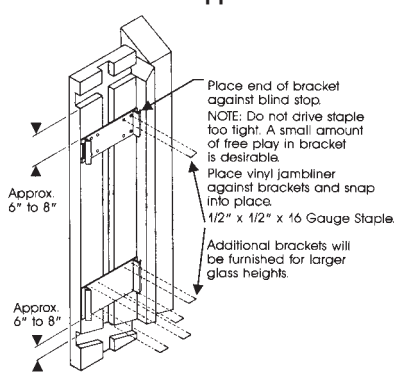


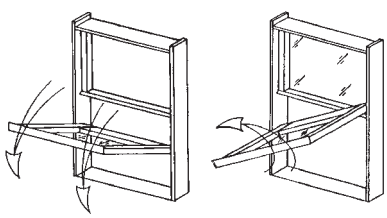


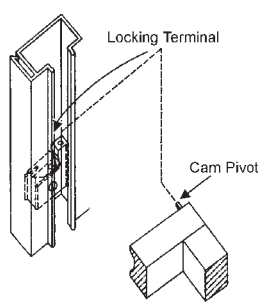




Frame Jamb Preparation for Bracket Application



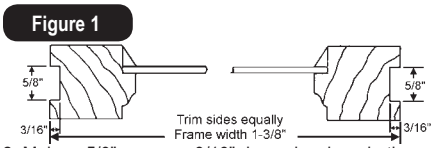




HOW TO INSTALL TILT JAMBLINERS

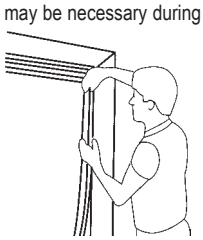
1. If you are converting a window from a Non-Tilt to a Tilt window or if you are retrofitting a window that previously used pulleys or other balances -you must cut back the sash by 11/16" on each side, reducing the overall sash width by 1-3/8". (See Figure 1.)

Figure 1

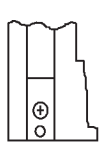


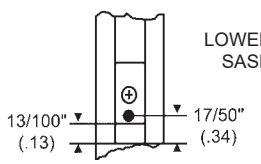
2. Make a 5/8" square x 3/16" deep plough on both sides of sash. (See Figure 1.)

3. Apply jambliners to jambs, with bottom touching the sill and flange side touching the blind stop. Press jambliner and drive screws until head is flush with liner. Readjustment of screws may be necessary during STEP 5.

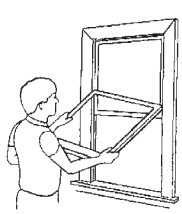


4. Install sash brackets in upper and lower sash as shown below.





5. Insert upper sash into opening in full tilt position. Align pivot pins in the proper channel above carriers. Allow pins to drop into carriers. Pivot sash into place. Repeat for lower sash. Then reinstall the inside trim stops and head parting stop.



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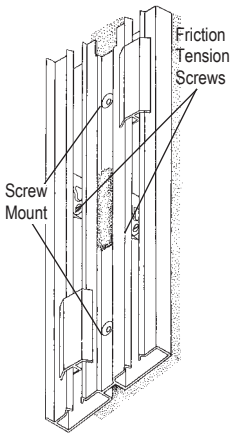
TILT JAMBLINERS

Screw Mount



Series 86E

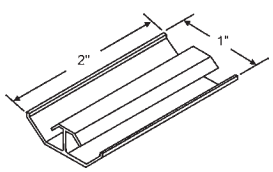
For Tilt Windows with Either Single Strength or Insulated Glass
86E Series for 1-3/8" or 1-1/4" Sash
Max Opening Height for 86E Series is 7-6 (90")

Glass Size	Opening Height	Height	Beige Part #	White Part #	Standard Sash Weight	Heavy Duty Beige Part #	Heavy Duty White Part #	Heavy Duty Sash Weight	Length to Longest Point
12"	2-6	30"	-	86E-30W	11 lbs.	-	86E-30HDW	15 lbs.	30-7/16"
14"	2-10	34"	86E-34	86E-34W	13 lbs.	86E-34HD	86E-34HDW	16 lbs.	34-7/16"
16"	3-2	38"	86E-38	86E-38W	14 lbs.	86E-38HD	86E-38HDW	18 lbs.	38-7/16"
18"	3-6	42"	86E-42	86E-42W	15 lbs.	86E-42HD	86E-42HDW	19 lbs.	42-7/16"
20"	3-10	46"	86E-46	86E-46W	16 lbs.	86E-46HD	86E-46HDW	21 lbs.	46-7/16"
22"	4-2	50"	86E-50	86E-50W	18 lbs.	86E-50HD	86E-50HDW	23 lbs.	50-7/16"
24"	4-6	54"	86E-54	86E-54W	19 lbs.	86E-54HD	86E-54HDW	25 lbs.	54-7/16"
26"	4-10	58"	86E-58	86E-58W	20 lbs.	86E-58HD	86E-58HDW	26 lbs.	58-7/16"
28"	5-2	62"	86E-62	86E-62W	22 lbs.	86E-62HD	86E-62HDW	28 lbs.	62-7/16"
30"	5-6	66"	86E-66	86E-66W	23 lbs.	86E-66HD	86E-66HDW	30 lbs.	66-7/16"
32"	5-10	70"	86E-70	86E-70W	24 lbs.	86E-70HD	86E-70HDW	32 lbs.	70-7/16"
34"	6-2	74"	86E-74	86E-74W	26 lbs.	86E-74HD	86E-74HDW	33 lbs.	74-7/16"

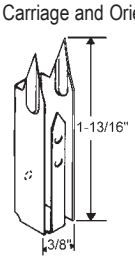
JAMBLINER SASH STOP

Items below included in set.

Full cartons contain 16 sets per box • Each set is individually wrapped with hardware enclosed. Stocked in beige color - White available - Special order • 14° standard sill angle. Please contact your account manager for special sizes or Cottage, Carriage and Oriel windows. Refer to chart on page 134.

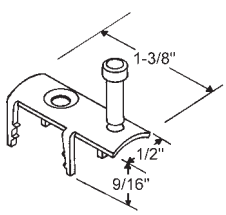


Part #	Color
86E-700BG	Beige
86E-700W	White



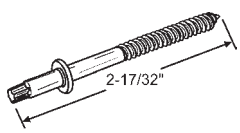
86-701BG
Beige Metal

JAMBLINER TILT PIVOT

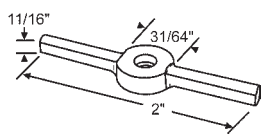


86E-600

PIVOT PINS

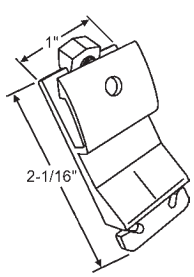


86-51
Torx Head Pivot Pin. #8x18x2
MALTA



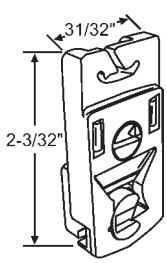
86-52
Propeller Style
MALTA

FRICTION SHOE



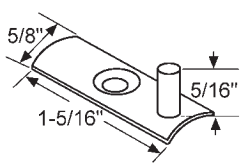
86-511
White
WENCO/JELDWEN

BALANCE SHOE

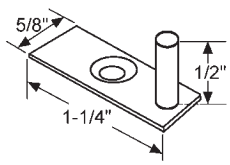


86-67
CAREFREE

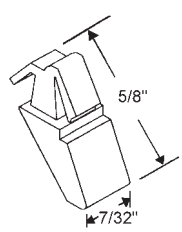
JAMBLINER ACCESSORIES



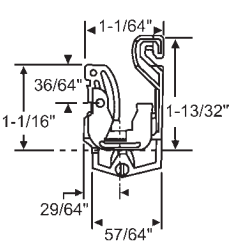
900-15114
Sash Bracket



900-14923
Tilt Pin

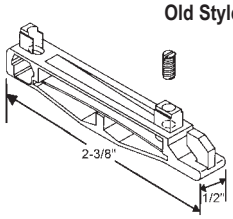


900-21058
Nylon Retainer
NEWELL

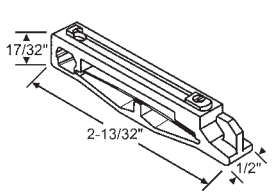


86-64A
Locking Clutch Set
POZZI/RIVCO/WINDSOR/ SHELTER

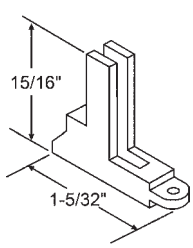
Old Style



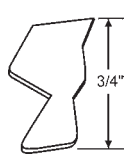
900-21068
Peach Nylon High Tower Shoe
NEWELL



900-21068NS
White Nylon, Low Tower Shoe
NEWELL



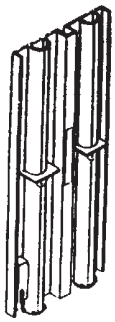
900-5713
Nylon Clutch for Jambliner
MARVIN

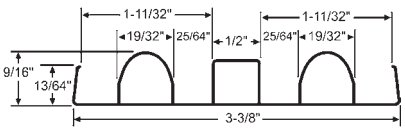


900-5713M
Metal Clutch Actuator for Jambliner
MARVIN

NON-TILT JAMBLINERS

For Single Strength Glass
86A Series for 1-3/8" Sash



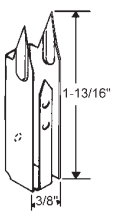


Series 86A

Glass Size	Opening Height	1-3/8" Part #	Maximum Sash Weight	Length to Longest Point
12"	2-6 - 30"	**86A-30**	7.8 lbs.	30-3/16"
14"	2-10 - 34"	**86A-34**	8.5 lbs.	34-3/16"
16"	3-2 - 38"	**86A-38**	9.2 lbs.	38-3/16"
18"	3-6 - 42"	**86A-42**	9.9 lbs.	42-3/16"
20"	3-10 - 46"	**86A-46**	10.6 lbs.	46-3/16"
22"	4-2 - 50"	**86A-50**	11.3 lbs.	50-3/16"
24"	4-6 - 54"	**86A-54**	12.0 lbs.	54-3/16"
26"	4-10 - 58"	**86A-58**	12.7 lbs.	58-3/16"
28"	5-2 - 62"	**86A-62**	13.4 lbs.	62-3/16"
30"	5-6 - 66"	**86A-66**	14.1 lbs.	66-3/16"
32"	5-10 - 70"	**86A-70**	14.8 lbs.	70-3/16"
34"	6-2 - 74"	**86A-74**	15.5 lbs.	74-3/16"
36"	6-6 - 78"	**86A-78**	15.5 lbs.	78-3/16"

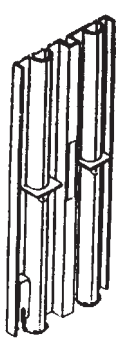
Jambliner Sash Stop

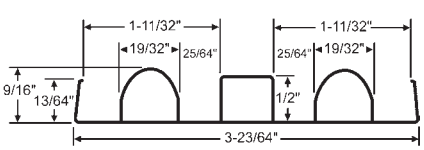
86-701BG
Beige Metal



Full cartons contain 20 sets per box.
Only available in beige color • 14° standard sill angle
Please contact your account manager for special sizes or Cottage, Carriage and Oriel Windows. Refer to chart on page 134.

For Insulated or Double Strength Glass
86C Series for 1-3/8" Sash



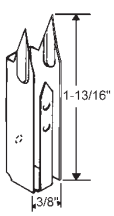


Series 86C

Glass Size	Opening Height	1-3/8" Part #	Maximum Sash Weight	Length to Longest Point
12"	2-6 - 30"	**86C-30**	11.0 lbs.	30-3/16"
14"	2-10 - 34"	**86C-34**	12.3 lbs.	34-3/16"
16"	3-2 - 38"	**86C-38**	13.5 lbs.	38-3/16"
18"	3-6 - 42"	**86C-42**	14.8 lbs.	42-3/16"
20"	3-10 - 46"	**86C-46**	16.0 lbs.	46-3/16"
22"	4-2 - 50"	**86C-50**	17.3 lbs.	50-3/16"
24"	4-6 - 54"	**86C-54**	18.5 lbs.	54-3/16"
26"	4-10 - 58"	**86C-58**	19.9 lbs.	58-3/16"
28"	5-2 - 62"	**86C-62**	21.0 lbs.	62-3/16"
30"	5-6 - 66"	**86C-66**	22.2 lbs.	66-3/16"
32"	5-10 - 70"	**86C-70**	23.5 lbs.	70-3/16"
34"	6-2 - 74"	**86C-74**	24.7 lbs.	74-3/16"
36"	6-6 - 78"	**86C-78**	26.0 lbs.	78-3/16"

Jambliner Sash Stop

86-701BG
Beige Metal



Full cartons contain 20 sets per box.
Only available in beige color • 14° standard sill angle
Please contact your account manager for special sizes or Cottage, Carriage and Oriel Windows. Refer to chart on page 134.

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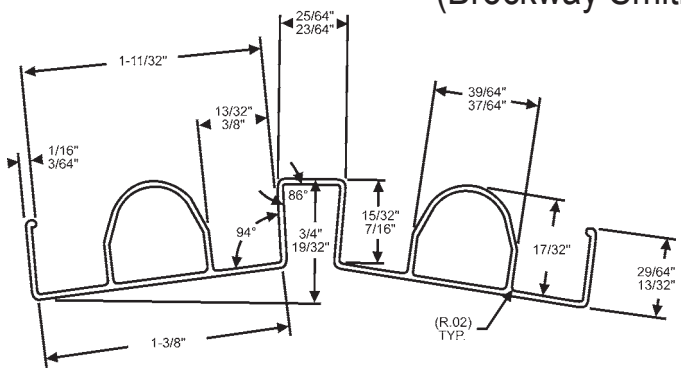
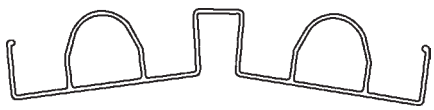
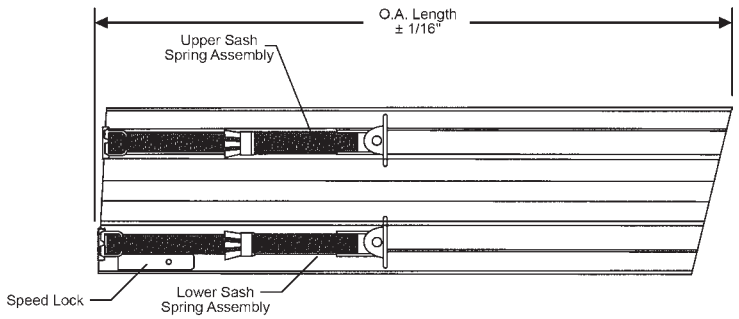
86 SERIES NON-TILT BOSTON STYLE JAMBLINER 1-3/8"

(Brockway Smith)



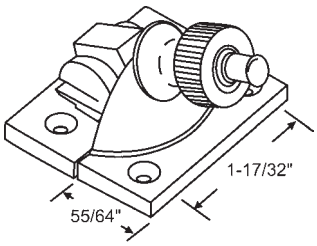




Our Part #	Unit Size	Overall Length ± 1/16"	Color
86BOS-29	2-5	29-23/64"	Beige
86BOS-30	2-6	30-23/64"	Beige
86BOS-31	2-7	31-23/64"	Beige
86BOS-33	3-1	33-23/64"	Beige
86BOS-37	2-5	37-23/64"	Beige
86BOS-41	3-5	41-23/64"	Beige
86BOS-45	3-9	45-23/64"	Beige
86BOS-49	4-1	49-23/64"	Beige
86BOS-50	4-2	50-23/64"	Beige
86BOS-53	4-5	53-23/64"	Beige
86BOS-55	4-7	55-23/64"	Beige
86BOS-57	4-9	57-23/64"	Beige
86BOS-59	4-11	59-23/64"	Beige
86BOS-61	5-1	61-23/64"	Beige
86BOS-65	5-5	65-23/64"	Beige
86BOS-69	5-9	69-23/64"	Beige
86BOS-73	6-1	73-23/64"	Beige
86BOS-77	6-5	77-23/64"	Beige
86BOS-90	7-6	90-23/64"	Beige
86BOS-16/24	16/24 (Oriel)	45-23/64"	Beige
86BOS-18/26	18/26 (Oriel)	49-23/64"	Beige
86BOS-20/30	20/30 (Oriel)	55-23/64"	Beige
86BOS-24/16	24/16 (Oriel)	45-23/64"	Beige
86BOS-26/18	26/18 (Oriel)	49-23/64"	Beige
86BOS-30/20	30/20 (Oriel)	55-23/64"	Beige

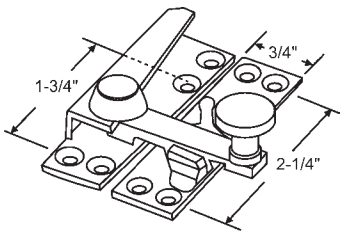
Note: Other sizes and variations are also available. Please contact your account manager for more information

SASH LOCKS



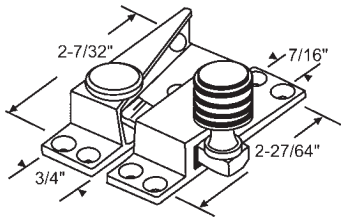
Part #	Finish
50-1096BRS	Polished Brass
50-1096CH	Chrome Plated

Spring Action. Solid Brass
MIGHTON



Part #	Finish
50-1097BRS	Polished Brass
50-1097CH	Chrome Plated

Solid Brass
MIGHTON



Part #	Finish
50-1098BRS	Polished Brass

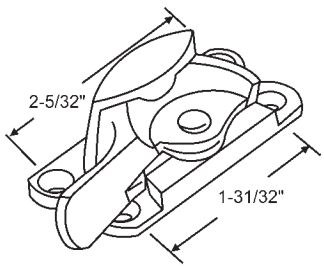
Solid Brass
MIGHTON

50-443

The Model 50-443 is a traditional pattern sash lock. It is a beautifully elegant lock in polished brass with a burned finial. It is designed for use on large and heavy sash such as found in institutional or public buildings.
Base Dimensions: 1" X 3"
Strike Dimensions: 1/2" X 3"

50-445

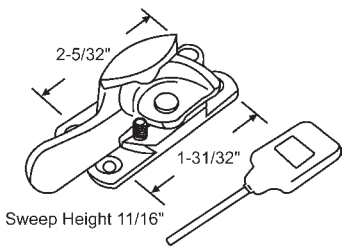
The Model 50-445 sash lock is designed for use on the check rails of large or inaccessible double-hung sash which are to be locked and unlocked using a pole. The extended locking arm on this lock makes it especially suitable for the 1-3/4" and 2-1/4" thick sash usually found in large public or institutional buildings. It is hot-forged from solid brass and comes in a polished and lacquered finish.
Lock Base Dimensions and Strike Base Dimensions: 13/16" X 2-3/8"



Sweep Height 11/16"

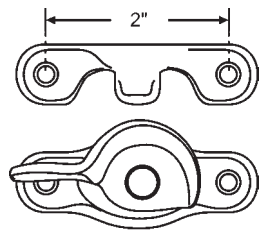
Part #	Finish
50-1099BRS	Polished Brass
50-1099CH	Chrome Plated

Solid Brass
MIGHTON



Part #	Finish
50-1100BRS	Polished Brass
50-1100CH	Chrome Plated

Solid Brass
MIGHTON



Sweep Height 5/8"

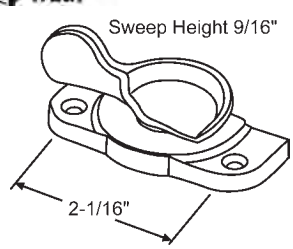
Part #	Finish
50-748	Solid Brass, Polished Lacquered
50-634A	Die Cast, Brass Plated

Includes Keeper

Part #	Finish
50-440	Lacquered Polished Brass
50-440ORBZ	Oil-Rubbed Bronze
50-440PNK	Polished Nickel
50-440SNK	Satin Nickel

The Model 50-440 is a new sash lock developed to combine the best features of traditional spring action locks with an updated narrow strike. No effort has been spared to make the 50-440 the finest, most durable sash lock of its type. The quality of finish and smoothness of function are without equal. All components of this lock are hot-forged brass and stainless steel, precisely machined and hand polished.
Base Dimensions: 1" X 2-7/8"
Strike Dimensions: 7/16" X 2-7/8"

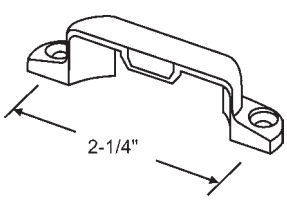
Amesbury Truth



Part #	Finish
50-471-1	Bronze
50-471-5	Brass Plated
50-471-71	Oil-Rubbed Bronze

Restoration lock. Zinc die cast screws not included.

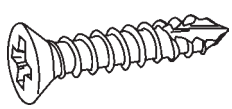
Amesbury Truth



Part #	Finish
50-472-1	Bronze
50-472-5	Brass Plated
50-472-71	Oil-Rubbed Bronze

Keeper. Zinc die cast screws not included.

Amesbury Truth



Part #	Finish
20-109-1	Bronze

Screws for 50-471 Sash Lock and 50-472 Keeper

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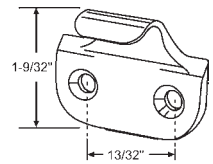
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

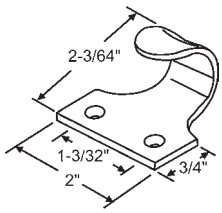
LIFTS & PULLS

Amesbury Truth



Part #	Finish
50-475-5	Brass Plated
50-475-13	Brushed Copper Nickel
50-475-71	Oil-Rubbed Bronze
50-475-72	Brushed Chrome
50-475-3	White

Includes Two Screws
Zinc Die Cast



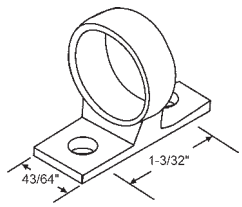
Part #	Finish
50-1101BRS	Polished Brass
50-1101CH	Chrome Plated

Solid Brass
MIGHTON

50-461

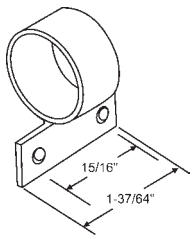
50-462

The Model 50-461 and 50-462 are hook-type sash lifts based on traditional patterns. They are used singly on sash up to 2 feet wide and in pairs on larger sash. Both lifts are solid, hot-forged brass, hand polished.
Dimensions: 3/4" w X 1-3/8" h X 1" d
Dimensions: 1" w X 1-3/4" h X 1-1/4" d



Part #	Finish
50-1102BRS	Polished Brass
50-1102CH	Chrome Plated
50-1102SCH	Satin Chrome

Ring Pull. Solid Brass
MIGHTON

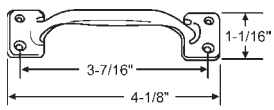


Part #	Finish
50-1103BRS	Polished Brass
50-1103CH	Chrome Plated
50-1103SCH	Satin Chrome

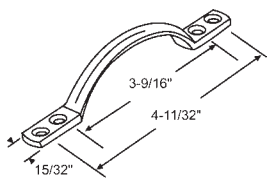
Ring Pull. Solid Brass
MIGHTON

50-449
The Model 50-449 is a flush sash lift based on a traditional pattern. It is used singly on sash up to 2 feet wide and in pairs on larger sash. It is hot-forged from solid brass and hand polished.
Dimensions: 1-3/4" X 3-1/8"

50-451
A solid cast brass handle type sash lift in a traditional pattern. The off-set design improves hand clearance between the handle and window stool, especially when width is limited. Used singly on sash up to 2 feet wide and in pairs on larger sash.
Dimensions: 15/16" X 4-1/4"



50-455-1
Solid Brass
Bright Brass Finish
with Screws



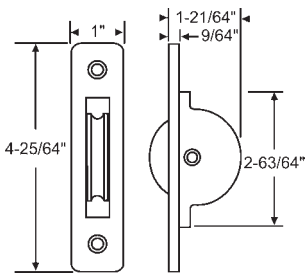
Part #	Finish
50-1104BRS	Polished Brass

D Handle w/Square Edge (shown)

Part #	Finish
50-1104CH	Chrome Plated

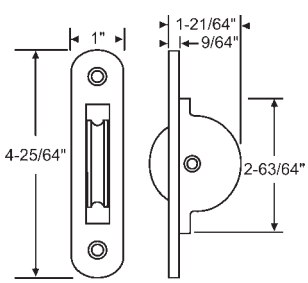
D Handle w/Round Edge. Solid Brass
MIGHTON

BRASS/STEEL PULLEYS



Square Corners - 2 Hole

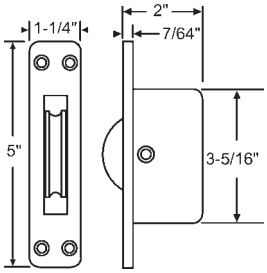
Part #	Body Material	Body Shape	Face Plate	Wheel Type/Size	Max Load Capacity
96-MT3	Steel Body	Square Corners	Brass	1-3/4" Nylon	55 lbs.
96-MT5	Steel Body	Square Corners	Brass	1-3/4" Brass	55 lbs.
96-MT7	Steel Body	Square Corners	Plated Steel	1-3/4" Nylon	55 lbs.
96-MT9	Steel Body	Square Corners	Plated Steel	1-3/4" Brass	55 lbs.
96-MT11	Steel Body	Square Corners	Chrome Plated Brass	1-3/4" Chrome Plated Brass	110 lbs.



Rounded Corners - 2 Hole

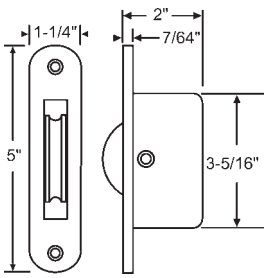
Part #	Body Material	Body Shape	Face Plate	Wheel Type/Size	Max Load Capacity
96-MT4	Steel Body	Round Corners	Brass	1-3/4" Nylon	55 lbs.
96-MT6	Steel Body	Round Corners	Brass	1-3/4" Brass	55 lbs.
96-MT8	Steel Body	Round Corners	Plated Steel	1-3/4" Nylon	55 lbs.
96-MT10	Steel Body	Round Corners	Plated Steel	1-3/4" Brass	55 lbs.
96-MT12	Steel Body	Round Corners	Chrome Plated Brass	1-3/4" Chrome Plated Brass	110 lbs.

BRASS/STEEL PULLEYS



Square Corners - 4 Hole

Part #	Body Material	Body Shape	Face Plate	Wheel Type/Size	Max Load Capacity
96-MT13	Steel Body	Square Corners	Chrome Plated Brass	2" Chrome Plated Brass Ball Bearing	176 lbs.
96-MT15	Steel Body	Square Corners	Chrome Plated Brass	2-1/4" Chrome Plated Brass Ball Bearing	176 lbs.
96-MT17	Steel Body	Square Corners	Brass	2" Brass Ball Bearing	176 lbs.
96-MT19	Steel Body	Square Corners	Brass	2-1/4" Brass Ball Bearing	176 lbs.
96-MT22	Steel Body	Square Corners	Stainless Steel	2" Stainless Steel	55 lbs.



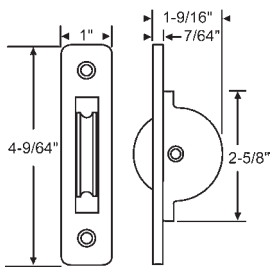
Round Corners - 2 Hole

Part #	Body Material	Body Shape	Face Plate	Wheel Type/Size	Max Load Capacity
96-MT14	Steel Body	Round Corners	Chrome Plated Brass	2" Chrome Plated Brass Ball Bearing	176 lbs.
96-MT16	Steel Body	Round Corners	Chrome Plated Brass	2-1/4" Chrome Plated Brass Ball Bearing	176 lbs.
96-MT18	Steel Body	Round Corners	Brass	2" Brass Ball Bearing	176 lbs.
96-MT20	Steel Body	Round Corners	Brass	2-1/4" Brass Ball Bearing	176 lbs.

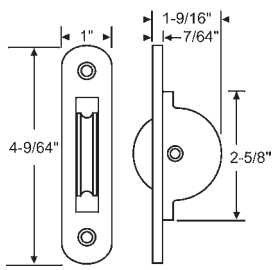
POLYSASH PULLEYS

96-P1

The Model 96-P1 is a larger, redesigned version of our popular ball bearing sash pulley. It has been designed to meet the needs of custom high-end window fabricators building large and heavy sash. The Model 96-P1 features a hot forged solid brass 1-1/8" x 5-7/16" radius end faceplate, 2-1/2" solid brass precision turned pulley wheel for chain or cord, and a sealed ball-bearing for many years of smooth operation.
The standard finish is satin lacquered.
Faceplate Dimensions:
1-1/8" x 5-7/16"
Housing Dimensions:
2-3/16" x 3-1/4" x 3/4"



96-MT1
Polyethylene Body, Square Corners, 1-3/4" Nylon Wheel.
2 Holes
Max Load Capacity = 20 lbs.

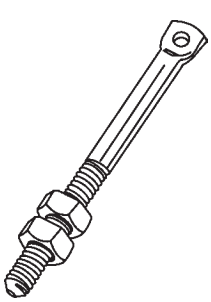


96-MT2
Polyethylene Body, Round Corners, 1-3/4" Nylon Wheel.
2 Holes
Max Load Capacity = 20 lbs.

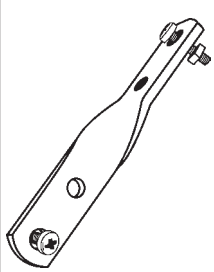
SASH CHAIN

Part #	Weight
96-805	Up to 70 lbs.
96-806	Up to 165 lbs.

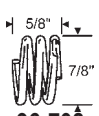
Steel Chain w/Copper Rivets Only. Order Connectors Separately. 50' Rolls
MIGHTON



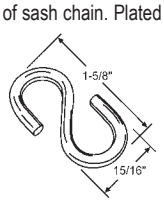
96-807
Weight Connector for Riveted Chain



96-808
Sash Connector for Riveted Chain



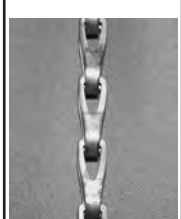
96-708
Spiral Clip. Fits into 7/8" diameter hole bored into side of sash stile. Threads onto the end of sash chain. Plated steel.



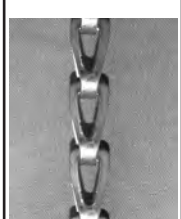
96-709
S Hook. Used for attaching chain to stackable counter weights. Plated steel

Sash Chain is preferred over sash cord in instances where greater longevity is required such as in high quality residential construction, restoration work, and public buildings. Our solid bronze, solid brass, and stainless steel sash chains will give many years of reliable service.

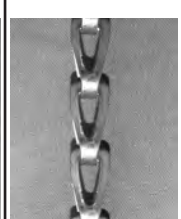
96-701
#45 Solid Bronze
Load Limit 160 lbs.
150' per roll.



96-702
#25 Solid Bronze
Load Limit 80 lbs.
100' per roll.



96-706
#35 Stainless Steel
Load Limit 225 lbs.
100' per roll.



96-810
#45 Stainless Steel
Load Limit 320 lbs.
100' per roll.

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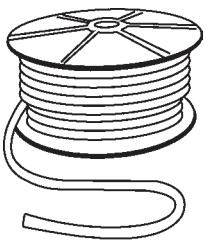
SASH CORDS & ACCESSORIES

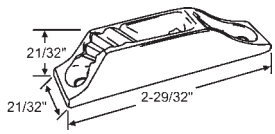


Part #	Length
96-802	65' Roll
96-803	164' Roll
96-804	328' Roll

Load Limit 220 lbs.
1/4" Nylon Cord
MIGHTON

Our pre-stretched, premium waxed cotton sash cord has an inner synthetic-stranded cord for increased strength and flexibility. The outer covering of plaited waxed and polished premium grade cotton is designed specifically for use with pulley systems and will give many years of smooth and trouble-free performance.

Part #	Size	Load	Length
96-704	#8 (1/4")	100 lbs.	100'
96-705	#10 (5/16")	200 lbs.	100'
96-710	#4 (1/8")	20 lbs.	600'



Grabba is an essential piece of kit in the joiners' armory.
- One man operation
- No need for hammer or nails
- Simple sash cord adjustment
- Faster fitting time
- Neat appearance

On bigger windows, where a sash weight is over 22 lbs, there will still be a need to pin the cord.

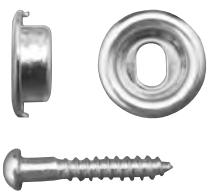
96-809
Black Plastic

SASH COUNTERWEIGHTS

Part #	Weight	Height
96-700-5	5 lbs.	7-7/8"
96-700-3	3 lbs.	5-1/8"
96-700-1	1 lb.	2-3/8"

Our 96 series stackable cast iron counterweights are designed to economically facilitate the balancing of sash in weight and pulley windows. The 1/2" through-hole permits their use with either rope or chain.
The square and radius cross-section provides more weight per inch than conventional round weights, essential when dealing with heavier glazing or insulating glass. The 1 lb., 3 lbs., and 5 lbs. sizes permit flexibility and precision in attaining a proper balance. They are suitable for 1-3/4" or larger sash in either new construction or retrofit.

ACCESSORIES



Part #	Finish
19-321	Solid Brass
19-321ORBZ	Oil Rubbed Bronze

Stop Bead Adjuster
A solid brass stop bead adjuster for mounting removable window stops. The slotted screw hole permits 1/8" of lateral adjustment. They are supplied in boxes of 50 pieces with accompanying #8 x 1" wood screws.

SPRING BOLTS

19-317
The Model 19-317 is a surface mounted window spring bolt designed for holding a vertical or horizontal sliding sash in either an open or closed position. The spring plunger may be locked into its fully retracted position by a simple rotation of the spherical knob. The window spring bolt is especially suited for retrofitting to older windows lacking balance systems or to any sash requiring a multi-position lock. The Model 19-317 is precision extruded and machined from solid brass and hand polished. Three strike plates are furnished with each lock.
Base Dimensions: 1-1/8" x 1-1/4"
Strike Dimensions: 5/8" x 1-7/16"

19-318
The Model 19-318 is a solid brass window spring bolt designed for installation in the wood stile of a vertically sliding sash. This type of hardware is commonly used in pairs on light weight, single hung sash in lieu of a balance system or sash lock, and is designed to be press-fit into a 3/8" diameter hole bored through the sash stile. A hole to accept the spring plunger is then bored in the window jamb to hold the sash at any desired height. The Model 19-318 is precision turned solid brass with a stainless steel spring.
Housing Dimensions:1-7/8" x 3/8"
Overall Length: 3-3/8"

MISCELLANEOUS

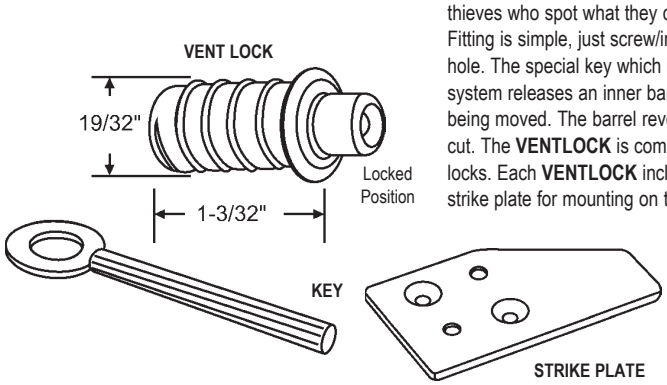
39-572 **39-573**

The Model 39-572 pole hook and Model 39-573 pole hook socket are intended to facilitate the operation of large or inaccessible double-hung windows. The pole hook is designed to be mounted on the end of a wooden operating pole of an appropriate length. The 39-573 pole socket is easily mounted in the sash rail, requiring only the boring of a 1" diameter hole. Both items are solid cast brass with a polished and lacquered finish.
Model 39-572 Dimensions:
4"L x 7/8" I.D.
Model 39-573 Dimensions:
1-1/4" x 2-1/4"

19-320
The Model 19-320 transom chain is designed to limit the opening of transom sash or other bottom hinged windows. The chain brackets are solid, polished and lacquered brass. The 12" chain is solid bronze.
Base Dimensions:
1-3/16" x 1" x 11/16"

VENT LOCKS

Key Operated Vent Lock

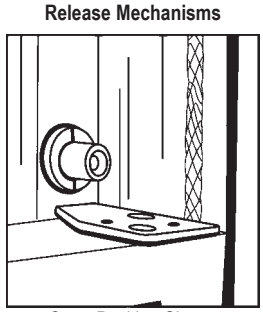


The new innovative **VENTLOCK** acts as a major deterrent to snatch thieves who spot what they consider is an easily opened window. Fitting is simple, just screw/insert it into the appropriate diameter drill hole. The special key which is supplied as part of the **VENTLOCK** system releases an inner barrel which prevents the window from being moved. The barrel revolves freely preventing it from being cut. The **VENTLOCK** is competitively priced against existing window locks. Each **VENTLOCK** includes a steel operation key and a brass strike plate for mounting on the lower sash check rail.

Part #	Finish
50-446	Solid Brass
50-446CH	Chrome

Vent Lock with Key and Strike
MIGHTON

MEETS: ASTM F 2090 Standard Specification for Window Fall Prevention Devices With Emergency Escape (Egress) Release Mechanisms

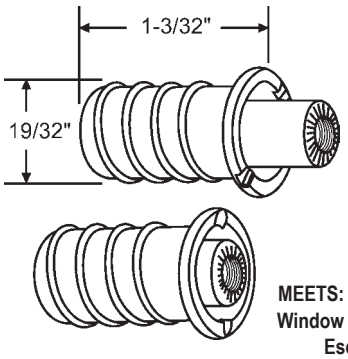


Open Position Shown

VENT LOCKS AND ACCESSORIES

Push and Twist Keyless Vent Lock

Finger Operated: Push and Turn with Your Finger



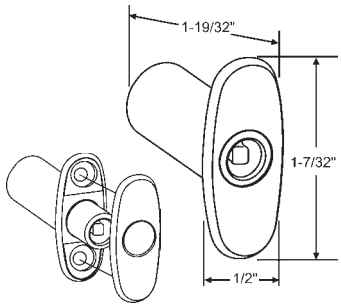
The natural companion product to Key Operated Ventlocks. Use where Fire Egress may be of concern or above ground floor level.

Part #	Finish
50-1201CH	Chrome
50-1201BRS	Solid Brass

Push and Twist Ventlock. Solid Brass
MIGHTON

MEETS: ASTM F 2090 Standard Specification for Window Fall Prevention Devices With Emergency Escape (Egress) Release Mechanisms

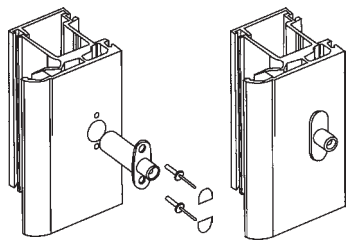
Brass Vent Lock for PVC Vinyl Windows

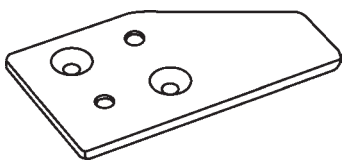


50-1106
Vent Lock for PVC Vinyl Windows
Includes Key
MIGHTON

Ventlock is Quick and Easy to Install

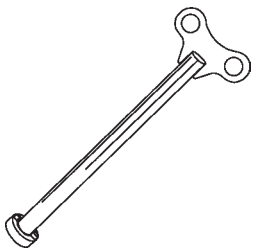
1. Drill Hole
2. Insert Ventlock
3. Drill Rivet Holes
4. POP Rivet Ventlock into the Sash
5. Conceal Rivets with Self Adhesive Trims



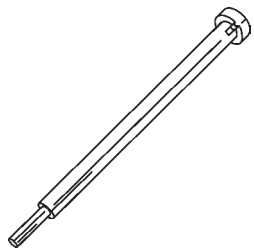


Part #	Finish
50-1105BRS	Solid Brass
50-1105CH	Chrome
50-1105SCH	Satin Chrome

Vent Lock Strike Plate Only
MIGHTON



59-73M
Ventlock Hand Tool
MIGHTON



59-73
Ventlock Tool for Cordless Drill
MIGHTON

CASEMENT HARDWARE

Part #	Hand
34-79RH	Shown
34-79LH	Opposite

The Model 34-79 casement fastener is hot-forged solid brass and hand polished. Available either right or left-handed.
Base Dimensions: 11/16" X 2-3/8"
Handle: 2"
Overall Depth: 1-1/4"
Strike sold separately.

Part #	Hand
34-77RH	Shown
34-77LH	Opposite

The newly redesigned Model 34-77 casement fastener is hot-forged from solid brass and hand polished. Available either right or left-handed.
Base Dimensions: 11/16" X 2-3/8"
Handle: 3-1/2"
Overall Depth: 1-7/8"
Strike sold separately.

50-453

50-454

50-463

50-464

Strike Plates for Casement Fasteners

Part #	Description
50-453	Mortise Strike
50-454	Surface Strike
50-463	Rim Strike
50-464	Angle Strike (for use on windows with compression weatherstripping)

29-204
(Out-Swing Shown/Brackets Invert for In-Swing)

The model 29-204 is a 12-1/2" solid polished brass slide-bar type adjuster for wood in-swing or out-swing windows. Based on a traditional pattern, this beautifully made casement adjuster is designed so as not to interfere with hinged or rolling interior screens whether in the open or closed position. For universal (left or right hand) operation.

Overall Length: 12-1/2"
Overall Height: 2-3/8"
Overall Depth: 1-3/8"

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PH: 631-979-9261 FAX: 631-979-8245
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CASEMENT HARDWARE

29-205

The Model 29-205 sliding rod casement adjuster is a highly finished version of a traditional American pattern. It is designed for use on out-swing hinged windows. The 29-205 is hot-forged and precision machined from solid brass and hand polished.
Base Dimensions: 15/16" X 2-3/8"
Overall Length: 13-1/2"
Overall Height: 2"

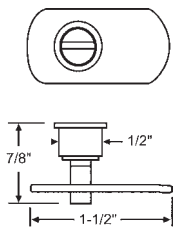
29-206

The Model 29-206 telescopic friction casement stay is a highly finished, heavy-duty version of a pattern common to early 20th century casement windows. It is designed for installation on all types of out-swinging hinged sash. The degree of friction may be adjusted by means of the large brass nut at the barrel end. The 29-206 is offered in solid brass, with a hand polished and lacquered finish.

SCREEN HARDWARE

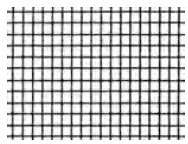
Part #	Finish
17-155	Polished Lacquered
17-155SNK	Satin Nickel

The newly redesigned Model 17-155 is a solid brass screen or storm door latch set. The lock case, escutcheon plate and strike are hot-forged and precision machined for smooth operation. The spring mechanism is stainless steel. The lever and threaded spindle are hot-forged in one piece for added strength, and the knob is turned from brass bar stock. The latch set is supplied with an angle strike and a rim strike. Backset is 1-9/16". The threaded spindle allows easy adjustment for door thicknesses of 1-1/8" to 1-3/4". Thinner doors can be accommodated by cutting the spindle.
Dimensions: Case 2-1/4" X 2"
Back Plate 1-1/4" X 4" Knob 1-5/8" dia.
Overall Depth: Lever side 1-7/16" Knob side 1-1/2"



19-319

The Model 19-319 cam fastener is a solid brass assembly designed to fasten wood storm or screen inserts into a combination door or other frame. The standard finish is unlacquered.

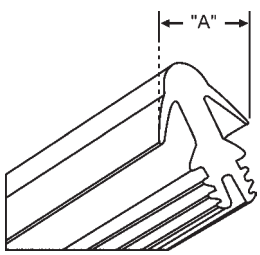


Part #	Size
69-29BR	24" x 100'
69-65BR	36" x 100'
69-77BR	48" x 100'

Bronze Insect Screening

Our heavy-duty solid bronze insect screening is designed for fabrication of high quality window screens and screen doors. It is woven of .011" solid bronze wire into an 18 X 14 mesh.

PARTING BEAD

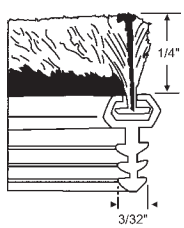


One-piece parting bead that weather-strips both top and bottom sashes. The fins are almost undetectable when installed. Will never rot. Made from UV -stabilized PVC. Simple to install. Can be used on new construction or restoration. Takes the rattle out of old sash windows. Severe weatherproof rating.

Part #	Color	Length	"A"
63-330	White	94-1/2"	15/32"
63-332	White	94-1/2"	5/8"

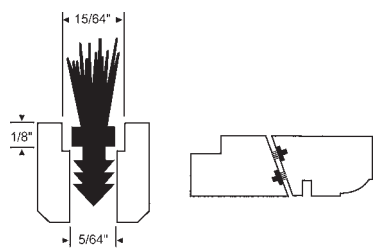
Minimum Order - 10 Lengths
MIGHTON

BRUSH SEAL



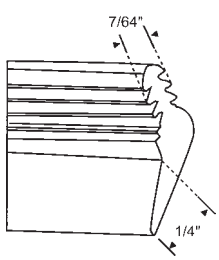
Part #	Color	Length
63-336	White	86-3/4"

Minimum Order - 10 Lengths
MIGHTON



Simple to Install. Low friction pile with single polypropylene fin which provides 50% easier sash movement while providing maximum resistance to air and water penetration. Long life performance.

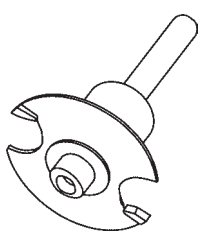
WEATHERSTRIP



Part #	Finish	Length
63-334	White	94-1/2"
63-335	Brown	94-1/2"

Standard Weatherstrip
Minimum Order - 10 Lengths
MIGHTON

MINI GROOVER



59-74

Mini Groover for Standard Weatherstrip 63-334 & 63-335 Requires 1/4" Chuck.
MIGHTON

HINGES

Part #	Size
19-322	3" x 3"
19-323	3-1/2" x 3-1/2"
19-324	4" x 4"

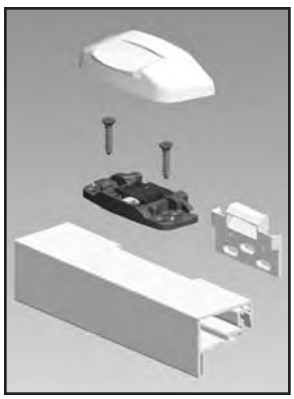
Our 19 series polished brass butt hinges are designed for use on wood casement windows and doors. The hinge body is precision extruded brass, .125" thick, and has removable ball tips. The finish is hand polished and lacquered. Sold in pairs.

SWEEP LOCKS & SASH LOCKS

Roto FLIP LOCK

Innovative and Intuitive!

The Roto Flip Lock is an automatic sash lock for single hung, double hung, and sliding windows that's easy to install, easy to operate, and highly intuitive. Flip Lock's excellent balance and durability combined with its intuitive and sleek design, provides you with a superior lock while providing your customers with great comfort, convenience and security.



Features

- The positive action lock, once unlocked and the sash is opened, resets itself and then locks automatically when the sash is closed
- Innovative functionality that makes operation of the lock ergonomically- friendly
- Internal mechanism has two springs to maintain balance
- Four mounting positions
- Unique Breakaway feature - flip lever will stay up unless completely closed
- Meets or exceeds forced entry resistance requirements and hurricane impact testing

Benefits

- Ease of operation and peace of mind knowing that once the window is closed, it is locked
- In the case of arthritic conditions, the lock can be operated with a slim device thus not requiring extensive movement of one's fingers
- Enhanced durability/cycle performance, reliable, consistent functionality
- Ultimate flexibility to position the lock correctly on various profiles
- Acts as a visible indicator that the window is not completely closed, thus not locked
- Adds vital elements of security and strength to the overall performance of the window

Flip Lock Mechanism

Part Number
50-1326

Face Mount Striker

Part Number	Color
50-1328W	White
50-1328BEW	Blue White
50-1328EB	Earth Brown
50-1328AD	Almond
50-1328ADMK	Dark Almond/ Beige

Surface Mount Striker

Part Number	Color
50-1327W	White
50-1327BEW	Blue White
50-1327EB	Earth Brown
50-1327AD	Almond
50-1327ADMK	Almond MK
50-1327AG	Adobe

Flip Lock Cover Assembly

Part Number	Color
50-1325W	White
50-1325BEW	Blue White
50-1325EB	Earth Brown
50-1325AD	Almond
50-1325ADMK	Dark Almond/ Beige

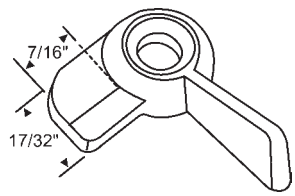
Installation Jig

Part Number
59-82

SWEEP LOCKS & SASH LOCKS

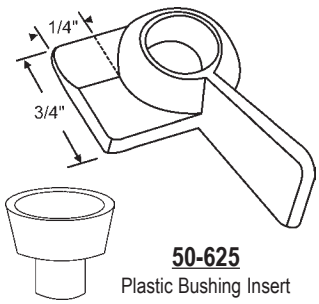
In order by mounting hole width (single hole locks first).

Single Hole



Part #	Finish
900-7277	Unfinished

Zinc Die Cast



50-625

Plastic Bushing Insert

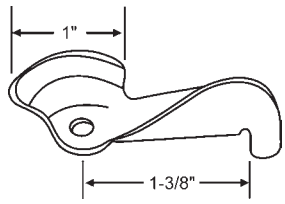
Lock only

Part #	Hand	Finish
50-624RH	Shown	Brite
50-624LH	Opposite	Brite

Lock with Bushing and Screw

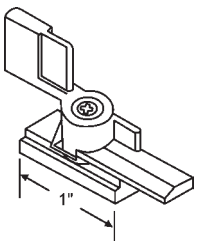
Part #	Hand	Finish
50-624RHA	Shown	Brite
50-624LHA	Opposite	Brite

Zinc Die Cast



Part #	Hand
50-604	Shown

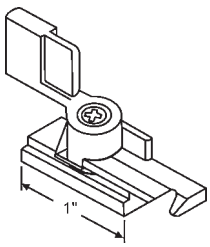
Stamped Steel



Part #	Finish
50-715	Unfinished

Zinc Die Cast

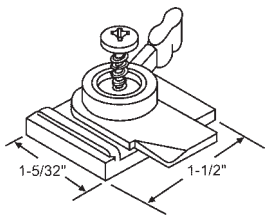
CROSSLY



Part #	Finish
50-715HA	Unfinished

Zinc Die Cast with Hook

CROSSLY



Part #	Hand	Finish
50-619RHA	Shown	White
50-619LHA	Opposite	White

Plastic

THERMALGARD

Part #	Finish
50-1127	Black

Slider Latch. Short

HARCAR

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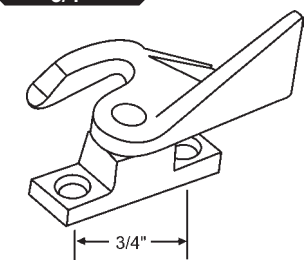
SWEEP LOCKS & SASH LOCKS

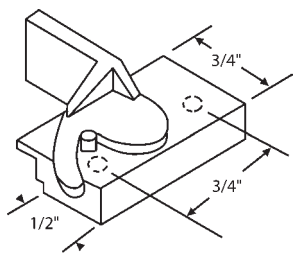
In order by mounting hole width (single hole locks first).

3/4"



Part #	Finish
50-610	Unfinished

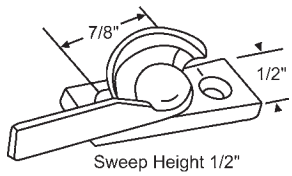
Zinc Die Cast. Use with 50-611 Keeper.
PORTALUME



Part #	Hand	Finish
50-705	Shown	Unfinished
50-704	Opposite	Unfinished

Zinc Die Cast
CROSSLY

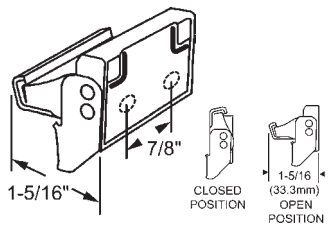
7/8"



Sweep Height 1/2"

Part #	Hand	Finish
50-637	Shown	Brite
50-638	Opposite	Brite
50-637BR	Shown	Bronze
50-637-10	Shown	Black

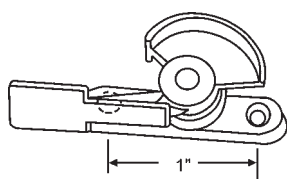
Zinc Die Cast. Use with 50-643 Keeper.
STANLEY



Part #	Finish
50-355-1	Bronze
50-355-2	Gold
50-355-3	White
50-355-10	Black

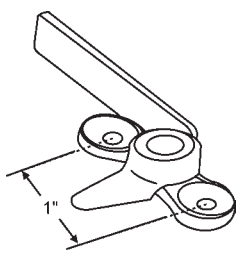
Check Rail Lock

1"



Part #	Finish
50-711	Unfinished

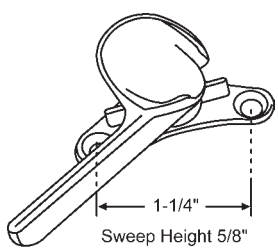
Zinc Die Cast. Use with 50-701 Keeper.



Part #	Finish
900-41WB	White Bronze

Bronze Casting
UALCO

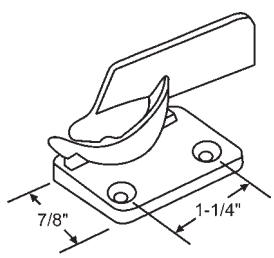
1-1/4"



Sweep Height 5/8"

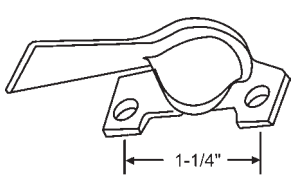
Part #	Finish
50-641	Brite

Zinc Die Cast. Use with 50-790 Keeper.
KINCO



Part #	Finish
50-645	Brite

Zinc Die Cast. Use with 50-646 Keeper.
SEASONALL



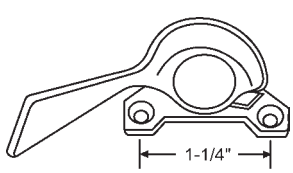
Sash Lock and Keeper

Part #	Finish
50-608A	White Bronze

Sash Lock Only

Part #	Finish
50-651	White Bronze

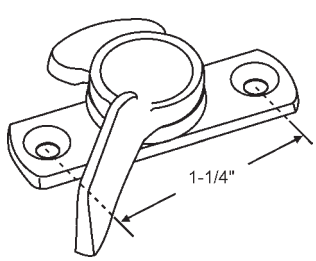
Bronze Casting. Use with 50-609WB Keeper.



Sweep Height 7/16"

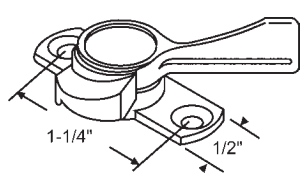
Part #	Finish
50-671	White Bronze

Bronze Casting
Use with 900-8505 Keeper.



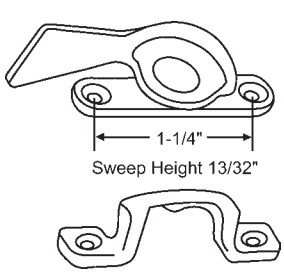
Part #	Finish
50-678	Brite

Die Cast
RUSCO



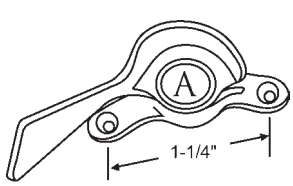
Part #	Finish
50-783B	Black

Height Graduates from 9/32" to 3/8" Max.
Zinc Die Cast
RUSCO



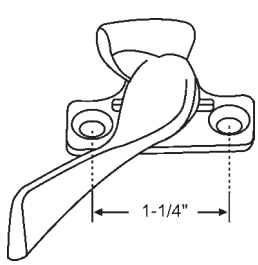
Part #	Finish
50-655A	White Bronze

Bronze Casting. Includes Keeper



Part #	Finish
50-718A	White Bronze

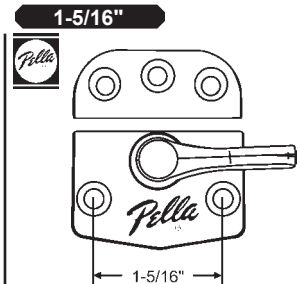
Sash Lock and Keeper
Bronze Casting. Use with 50-709 Keeper.
ALWINSEAL



Part #	Finish
900-7267	White Bronze

Bronze Casting
WINDOW MASTER

1-5/16"



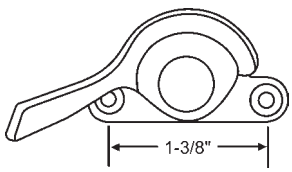
Part #	Finish
50-233	Copperite
50-233CHP	Champagne

Zinc Die Cast. With Keeper and Shim

SWEEP LOCKS & SASH LOCKS

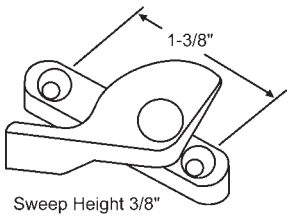
In order by mounting hole width (single hole locks first).

1-3/8"



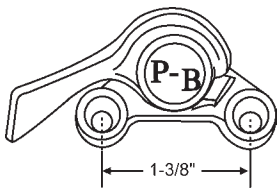
Part #
900-8503X

Zinc Die Cast. Sweep Height 7/16"
White Bronze Look



Part #	Finish
50-698	Unfinished

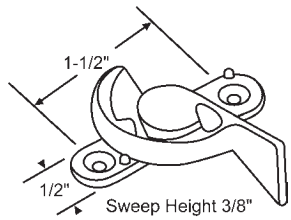
Zinc Die Cast



Part #	Finish
900-9158	White Bronze

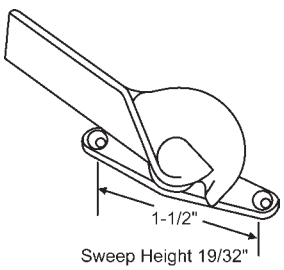
Bronze Casting. Sweep Height 3/8"

1-1/2"



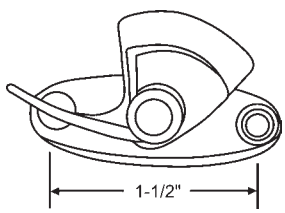
Part #	Finish
50-607	Unfinished

Zinc Die Cast
KELLER



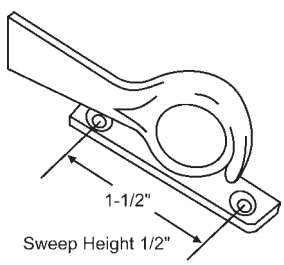
Part #	Hand	Finish
50-614	Shown	Brite
50-614RH	Opposite	Brite

Zinc Die Cast
PAN AM



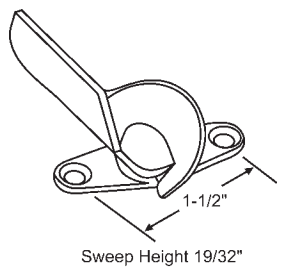
Part #	Finish
50-627	Brite
50-627B	Bronze

Zinc Die Cast
KELLER



Part #	Finish
50-654	White Bronze

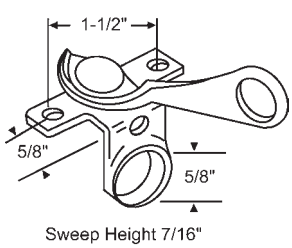
Bronze Casting
Use with 900-9151 Keeper.



Part #	Finish
50-662	Brite

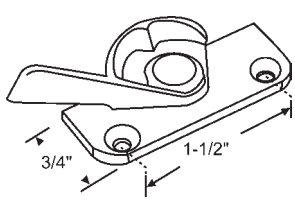
Zinc Die Cast

1-17/32"



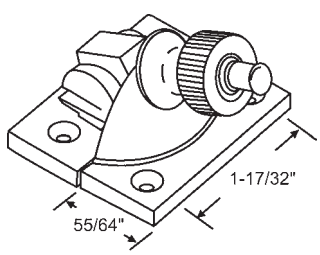
Part #	Finish
50-653	White Bronze

Bronze Casting



Part #	Finish
900-40	Unfinished

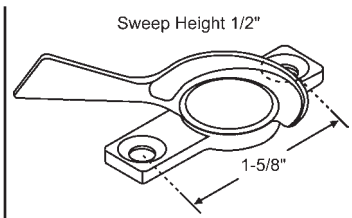
Zinc Die Cast
UALCO



Part #	Finish
50-1096BRS	Polished Brass
50-1096CH	Chrome Plated

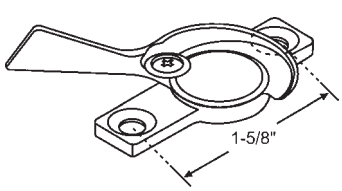
Brighton Style Sash Lock and Keeper.
Spring Action. Solid Cast Brass
MIGHTON

1-5/8"



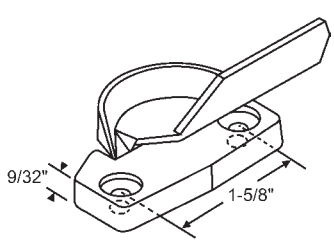
Part #	Finish
50-689	White Bronze

Bronze Casting. Use with 50-690 Keeper



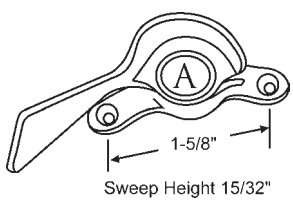
Part #	Finish
50-689S	White Bronze

with Security Screw



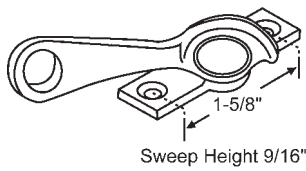
Part #	Hand	Finish
900-10803LH	Shown	Brite
900-10803RH	Opposite	Brite

Zinc Die Cast. Use with 50-800 Keeper.
NUPRIME/SEASONALL



Part #	Finish
50-710	White Bronze

Bronze Casting. Use with 50-709 Keeper.
ALWINSEAL



Part #	Hand	Finish
900-6706	Shown	White Bronze

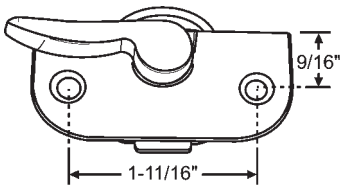
Bronze Casting. Sweep Height 9/16"
TRACO

AZA SALES
TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

SWEEP LOCKS & SASH LOCKS

In order by mounting hole width (single hole locks first).

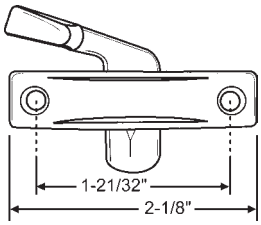
1-11/16"



Part Number	Finish
50-2028AB	Antique Brass
50-2028BG	Beige
50-2028BRS	Brass
50-2028DBZ	Dark Bronze
50-2028SNK	Satin Nickel
50-2028W	White

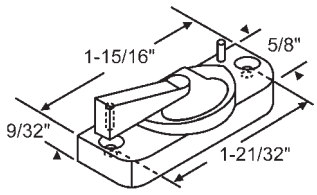
Recessed Sash Lock
UNITED WINDOW & DOOR

1-21/32"



Part #	Finish
50-849B	Black

Zinc Die Cast. Screws #70605B

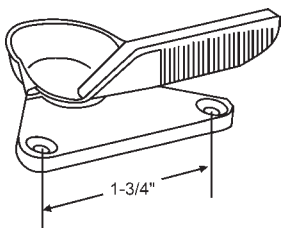


Sweep Height 15/32"

Part #	Finish
50-863	Unfinished

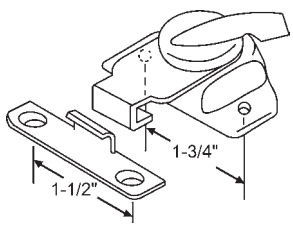
Zinc Die Cast
AMCO

1-3/4"



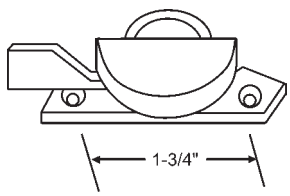
Part #	Hand	Finish
50-612-30R	Shown	Antique Copper
50-612-30L	Opposite	Antique Copper

Zinc Die Cast
FIBERLUX/REMINGTON



Part #	Finish
50-658A	Chrome Plated
50-658B	Brass Plated

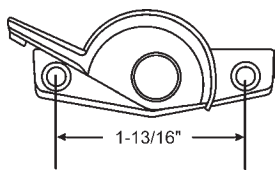
Stamped Steel. Includes Keeper



Part #	Finish
50-676	Brite

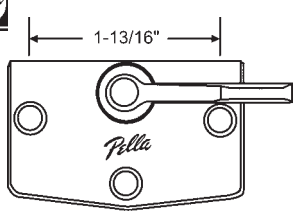
Zinc Die Cast. Use with 50-643 Keeper.

1-13/16"



Part #	Finish
50-681	Black

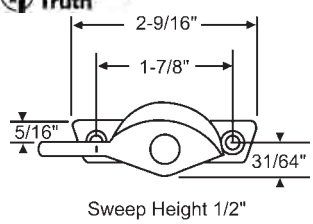
Zinc Die Cast
CROFT



Part #	Finish
50-213CHP	Champagne
50-213BP	Brass Plated

Zinc Die Cast. Use with 50-363 Keeper.

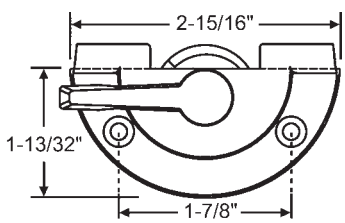
1-7/8"



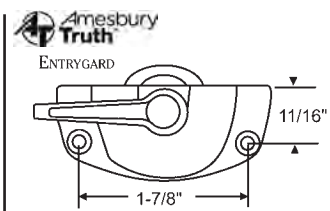
Sweep Height 1/2"

Part #	Finish
50-360-1	Bronze

Low Profile Cam Lock
Zinc Die Cast. Use with Keeper 50-361-1.



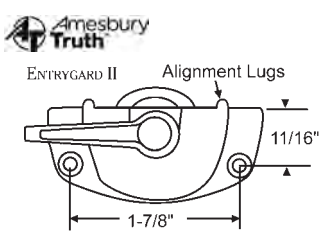
50-1269W
White
ATRIUM



Part #	Finish
50-369-1	Bronze
50-369-3	White
50-369-28	Almond
50-369-8	Chestnut Bronze

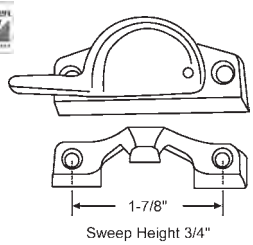
Zinc Die Cast. Use with Keepers 50-374-Color and 50-372-Color.

1-31/32"



Part #	Finish
50-842-1	Bronze
50-842-3	White

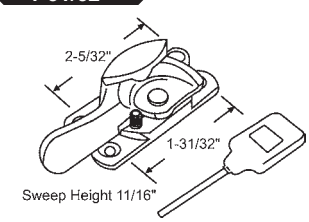
Zinc Die Cast Use with Keepers 50-379-Color, 50-740-Color, 50-373-Color and 50-372-Color.



Sweep Height 3/4"

Part #	Finish
750-1630108	Stone

Sash Lock Set (2 Locks, 2 Keepers). Old Style was Zinc Die Cast, New Style is Plastic.



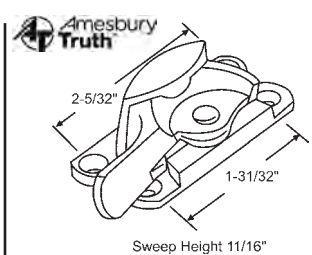
Security Sash Lock and Keeper

Part #	Finish
50-1100BRS	Solid Brass
50-1100CH	Chrome

Solid Cast Brass.

Part #	Description
50-1100SS	Stainless Steel

MIGHTON



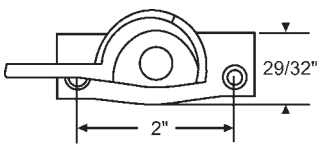
Part #	Finish
50-1099BRS	Solid Brass
50-1099CH	Chrome

Sash Lock and Keeper. Solid Cast Brass
MIGHTON

SWEEP LOCKS & SASH LOCKS

In order by mounting hole width (single hole locks first).

2"



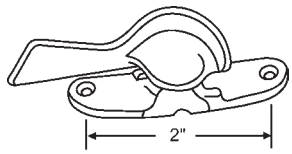
Sweep Height 11/16"

Part #	Finish
50-356-1	Bronze

Zinc Die Cast. Use w/Keeper 50-357-Color or Beveled Keeper 50-358-Color.

Part #	Finish
50-634A	Zinc Die Cast, Brass Plated
50-748	Solid Brass, Polished Brass

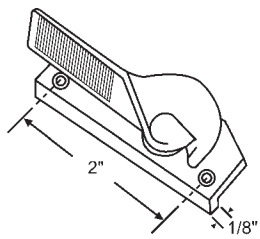
Includes Keeper



Sweep Height 5/8"

Part #	Finish
50-669	White Bronze

Bronze Casting

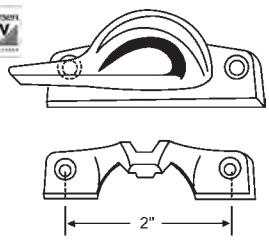


Sweep Height 9/16"

Part #	Finish
900-18881	White

Zinc Die Cast. Sweep Height 9/16"

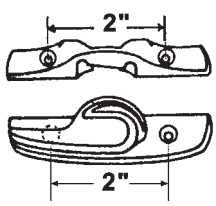
2-1/16"



Sweep Height 15/32"

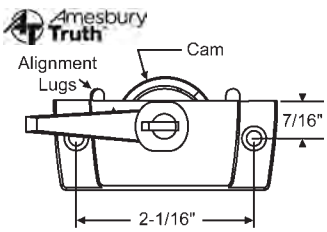
Part #	Finish
750-1630020	Stone

Old Style was Zinc Die Cast, New Style is Plastic. Includes Keeper and Screws.



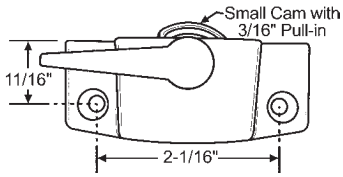
Part #	Finish
750-1630029	White

White Plastic Kit.
Includes 1 Sash Lock, 1 Keeper & Screws.
Shim Sold Separately: Part# 750-9069437

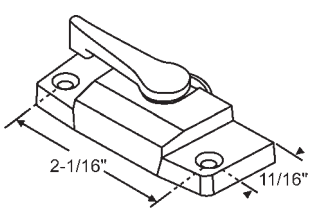


Part #	Finish
50-747-3	White

With Lugs. Comes with Two Keys

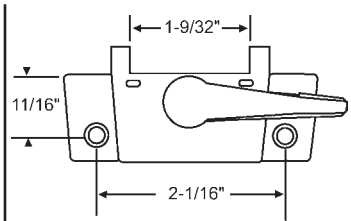


Part #	Finish
50-1070W	White
50-1070BW	Blue White



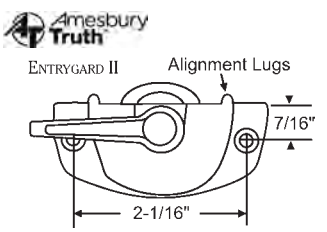
Part #	Finish
50-865B	Black
50-865W	White

Zinc Die Cast. Use with 50-896 Keeper. Standard Cam.



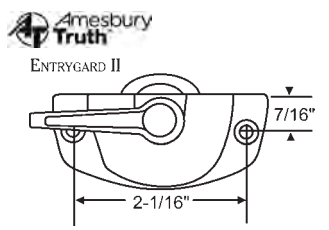
Part #	Finish
50-924-65	Terratone Brown
50-924-47	Bronze

Zinc Die Cast



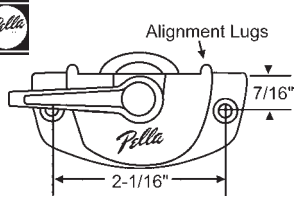
Part #	Finish
50-784-1	Bronze
50-784-3	White

Zinc Die Cast. Use with Keeper 50-379-Color, 50-372-Color and 50-373-Color.



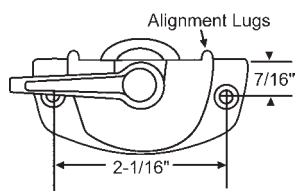
Part #	Finish
50-789-1	Bronze
50-789-3	White

Zinc Die Cast. Use with Keeper 50-374-Color and 50-372-Color.



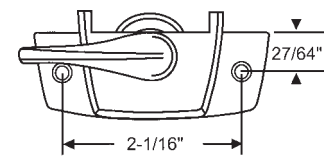
Part #	Finish
50-364-3P	White
50-364-35P	Champagne

Zinc Die Cast
Use with Keeper 50-920-Color.



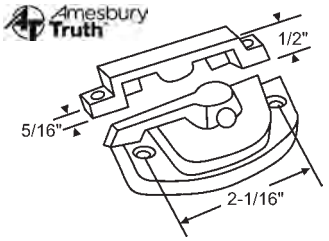
Part #	Finish
50-364-1	Bronze
50-364-3	White
50-364-5	Brass
50-364-10	Black
50-364-9	Beige

Die Cast. Use with Keeper 50-379-color, 50-372-color & 50-373-color.



Part #	Finish
50-752W	White

Zinc Die Cast. Use with 50-753W Keeper.



Part #	Finish
50-762	White

Push Button Security Lock
Zinc Die Cast. Includes Keeper

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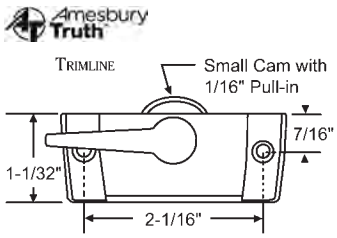
SWEEP LOCKS & SASH LOCKS

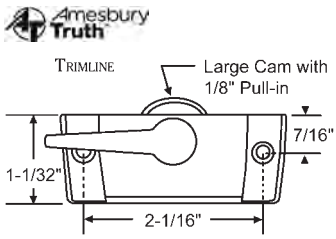
2-1/16"

In order by mounting hole width (single hole locks first).



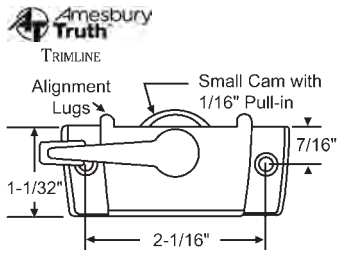
Part #	Finish
50-386-1	Bronze
50-386-3	White

Zinc Die Cast



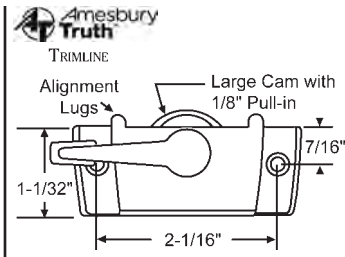
Part #	Finish
50-384-1	Bronze
50-384-2	Gold
50-384-3	White
50-384-10	Black

Zinc Die Cast



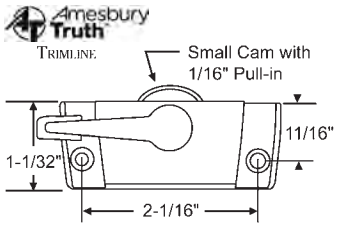
Part #	Finish
50-382-3	White

Zinc Die Cast. Use with 50-392-3 Keeper.



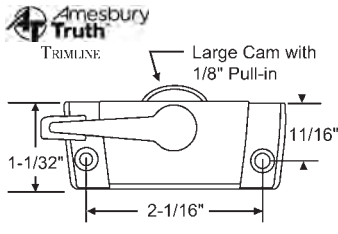
Part #	Finish
50-380-3	White
50-380-6	Clay
50-380-8	Chestnut Bronze

Zinc Die Cast. Use with 50-392 and 50-393 Keepers.



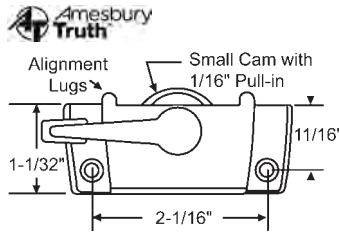
Part #	Finish
50-385-1	Bronze
50-385-3	White

Zinc Die Cast



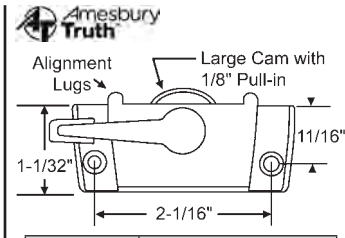
Part #	Finish
50-387-3	White
50-387-5	Polished Brass
50-387-6	Clay

Used with 50-387K Keeper



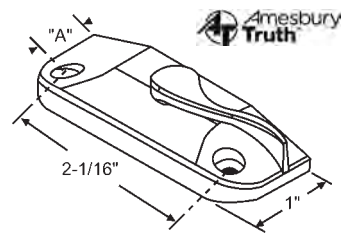
Part #	Finish
50-381-3	White
50-381-8	Chestnut Bronze

Zinc Die Cast. Use with 50-392 and 50-393 Keepers.



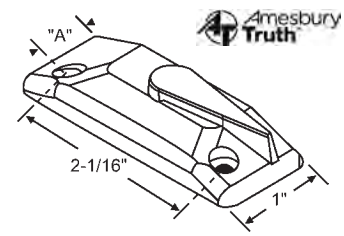
Part #	Finish
50-383-3	White
50-383-4	Coppertone
50-383-6	Clay
50-383-9	Beige

Zinc Die Cast. Use with 50-392 and 50-393 Keeper.



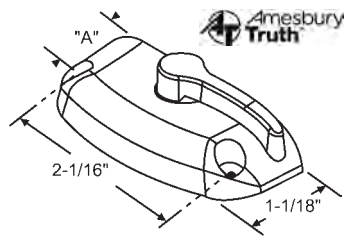
Part #	Finish	"A"
50-939-46	Appliance White	11/16"
50-940-46	Appliance White	7/16"

Zinc Die Cast
Use with 50-1112-46 Keeper.



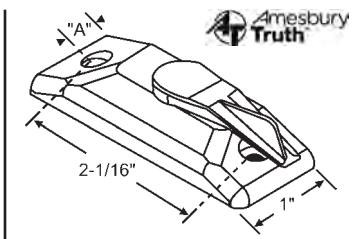
Part #	Finish	"A"
50-937-3	White	7/16"
50-938-46	Appliance White	11/16"

Zinc Die Cast. Use with 50-1109-3 and 50-1112-46 Keeper.



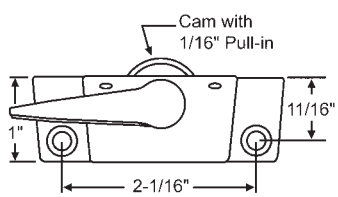
Part #	Finish	"A"
50-941-46	Appliance White	7/16"
50-942-46	Appliance White	11/16"

Zinc Die Cast. Use with 50-1110-46 and 50-1111-46 Keeper.

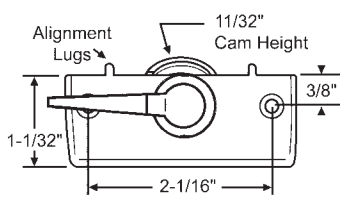


Part #	Finish	"A"
50-943-46	Appliance White	7/16"
50-944-46	Appliance White	11/16"

Zinc Die Cast
Use with 50-1109-46 Keeper.

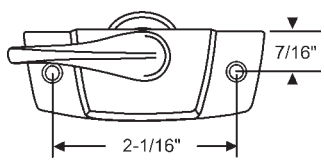


Part #	Finish
50-419-10X	Black



Part #	Finish
50-868	Driftwood

Zinc Die Cast. Use with 50-868K Keeper.
PEACHTREE



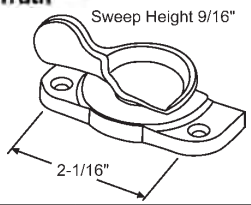
Part #	Finish
50-1016OW	Off-White
50-1016OW-Homepride	Off-White (Homepride stamped on front)
50-1016OW-Interstate	Off-White (Interstate stamped on front)
50-1016AD	Almond
50-1016AD-Homepride	Almond (Homepride stamped on front)
50-1016BP	Brass Plated

SWEEP LOCKS & SASH LOCKS

In order by mounting hole width (single hole locks first).

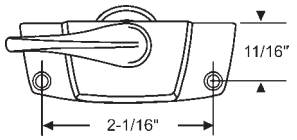
2-1/16"

Amesbury Truth

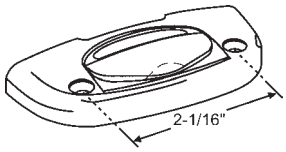


Part #	Finish
50-471-1	Bronze
50-471-5	Polished Brass
50-471-71	Oil-Rubbed Bronze

Restoration Locks. Zinc Die Cast. Use with 50-472-Color Keeper.



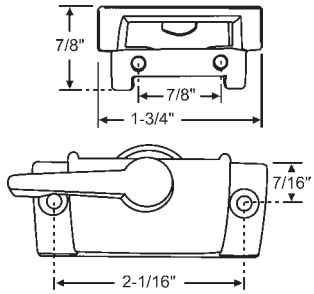
Part #	Finish
50-1019OW	Off-White
50-1019AD	Almond



Part #	Finish
50-1065W	White

Used with 50-1066W & 50-1067W Keepers

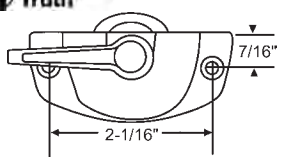
INTERLOCK



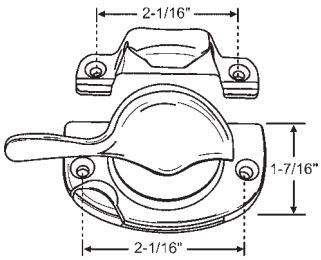
Part #	Finish
50-1181BG	Beige

Sash Lock and Keeper Set

Amesbury Truth



Part #	Finish
50-365-1	Bronze
50-365-2	Gold
50-365-3	White
50-365-6	Clay



Part #	Finish
50-973-1	Bronze
50-973-3	White

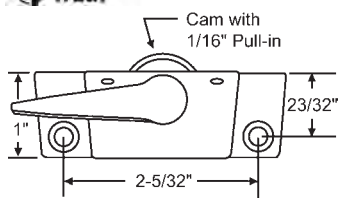
Sash Lock and Keeper Set

Part #	Finish
50-439ORBZ	Oil Rubbed Bronze
50-439PNK	Polished Nickel

Fitch Pattern Sash Lock Set
Base Dimensions: 9/16" x 2-1/8"
Strike Dimensions: 7/16" x 2-1/8"

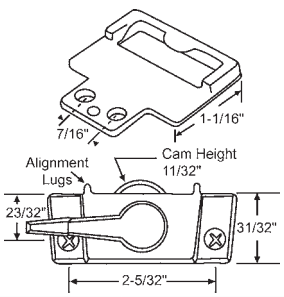
2-5/32"

Amesbury Truth



Part #	Finish
50-429-46X	Appliance White

Zinc Die Cast.
Use with 900-21122 Keeper.

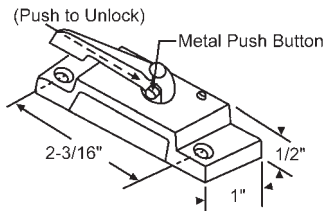


Part #	Finish
900-14379BGA	Beige

Zinc Die Cast. Includes Keeper

FIBERLUX

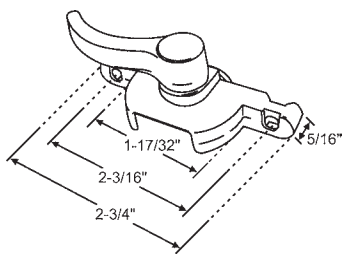
2-3/16"



Part #	Finish
50-415-10	Black
50-415-3	White

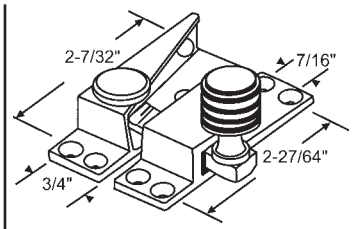
Zinc Die Cast

Amesbury Truth



Part #	Finish
50-409-3	White

2-7/32"

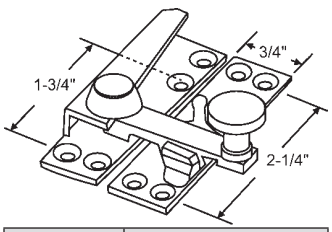


Part #	Finish
50-1098BRS	Brass

Sash Lock and Keeper. Solid Cast Brass

MIGHTON

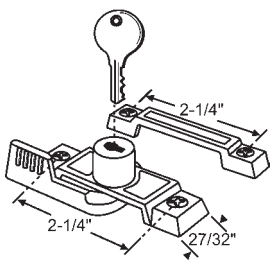
2-1/4"



Part #	Finish
50-1097BRS	Solid Brass
50-1097CH	Chrome

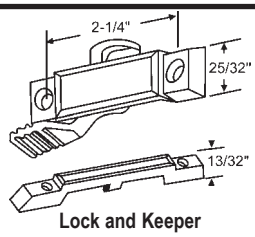
Solid Cast Brass

MIGHTON



900-11000B

Black. Tongue projects .429 from edge of Housing



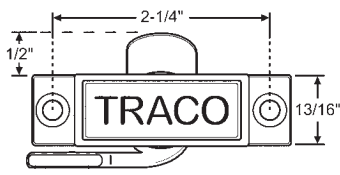
Lock and Keeper

Part #	Finish
50-601A	Chrome
50-601WA	White
50-601BA	Black

Sweep Lock Only

Part #	Finish
50-601-55	Metallic Gold
50-601-8	Dark Bronze

Zinc Die Cast



Part #	Finish
50-603W-500T	White
50-603BZ-500T	Bronze

With .500 Throw

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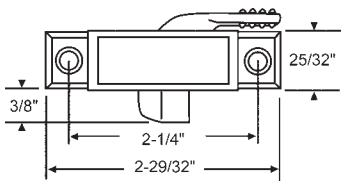
WWW.AZAHARDWARE.COM

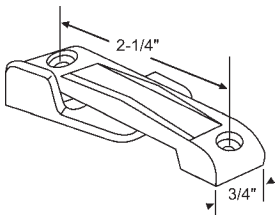
SWEEP LOCKS & SASH LOCKS

In order by mounting hole width (single hole locks first).

2-1/4"

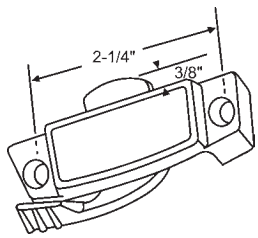


Part #	Hand	Finish
50-1064RHOW	Shown	Off-White



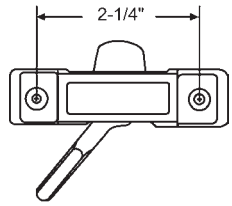
Part #	Finish
50-657B	Black

Zinc Die Cast



Part #	Finish
50-731B	Black
50-731W	White

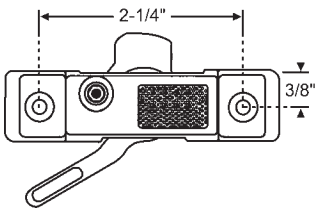
Zinc Die Cast. Use with 50-602 Keeper.



Part #	Finish
900-7903	White Bronze
900-7903P (w/pole hole)	White Bronze

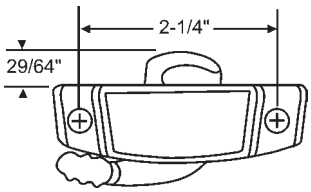
Bronze Casting

SEASONALL



Part #	Finish
50-1205	White Bronze

Includes Set Screw



Part #	Finish
900-11005B	Black

Zinc Die Cast. Use with 900-14381 Keeper.

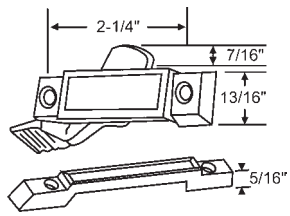
Lock and Keeper

Part #	Finish
50-603A	Chrome
50-603BA	Black
50-603WA	White

Zinc Die Cast

Lock Only

Part #	Finish
50-603B	Black
50-603AD	Almond
50-603BE	Beige
50-603BR	Brown
50-603BW	Bright White
50-603BZ	Bronze
50-603W	White

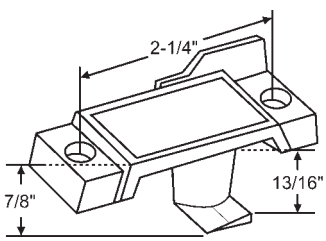


Lock Only with .500 Throw

Part #	Finish
50-603M-500	Mill
50-603W-500	White

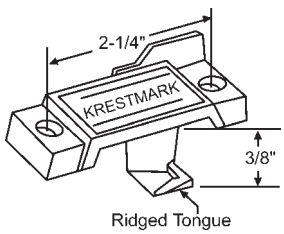
Lock Only with Seasonall Logo

Part #	Finish	Description
50-603S	Chrome	Regular Lever (shown)
50-603PS	Chrome	With Pole Ring Lever



Part #	Finish
50-765	White
50-765B	Black

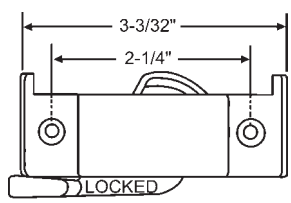
ACORN



Part #	Finish
900-10798KB	Black

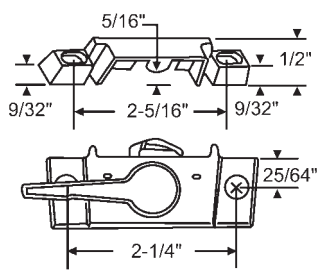
Zinc Die Cast

KRESTMARK



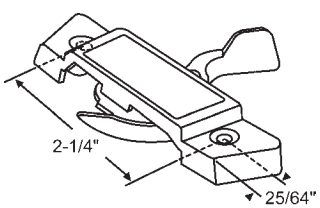
Part #	Finish
900-19656B	Black

Zinc Die Cast. Use with 900-19705BL Keeper.



Part #	Finish
50-827-45	Blue White
50-827-70	Dark Brown

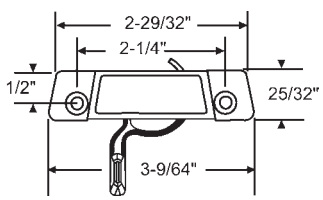
Zinc Die Cast. Includes Keeper



Part #	Hand	Finish
900-19112LH	Shown	Black
900-19112RH	Opposite	Black

Zinc Die Cast

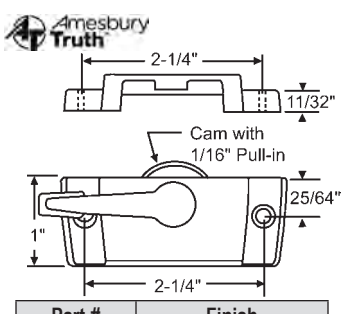
RUSCO



Part #	Hand	Finish
50-971-40LH	Shown	Snow White
50-971-40RH	Opposite	Snow White
50-971-9LH	Shown	Beige
50-971-9RH	Opposite	Beige

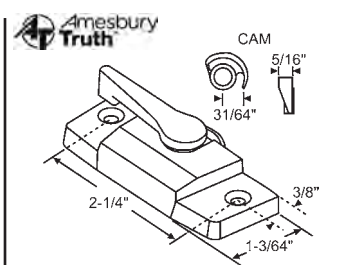
Zinc die Cast

MI HOME PRODUCTS



Part #	Finish
50-418-10	Black
50-418-46	Blue White

Zinc Die Cast. Includes Keeper



Part #	Finish
900-19228BG	Beige
900-19228W	White

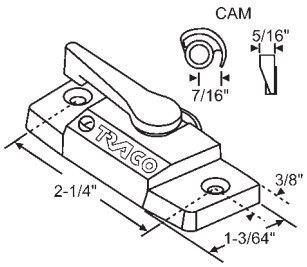
Zinc Die Cast. Use with 900-20118 Face Mount Keeper.

TRACO/ROLLYSON

SWEEP LOCKS & SASH LOCKS

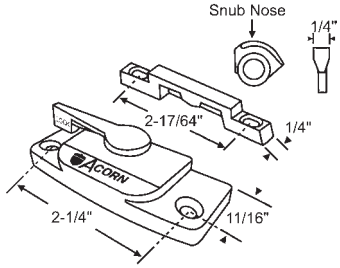
In order by mounting hole width (single hole locks first).

2-1/4"



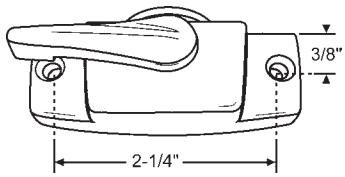
Part #	Finish
900-19778	Black

Zinc Die Cast.
TRACO



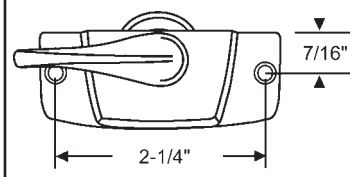
Part #	Finish
50-915	White

Includes Keeper
ACORN



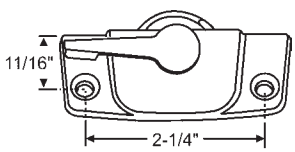
Part #	Finish
50-1027W	White
50-1027B	Black

TRACO 5000



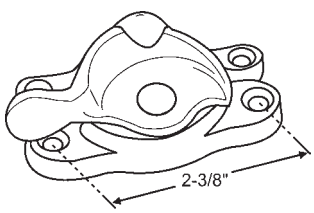
Part #	Finish
50-1022BP	Brass Plated

2-3/8"

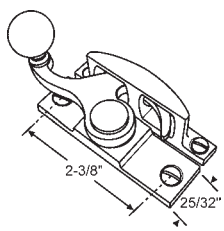


Part #	Finish
50-970B	Black

Zinc Die Cast. Sweep Height 5/16". Use with 50-970KB Keeper.
ACORN

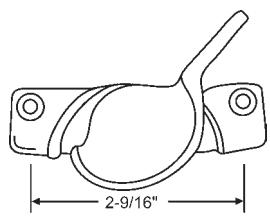


Part #	Finish
50-440	Lacquered Polished Brass
50-440ORBZ	Oil-Rubbed Bronze
50-440PNK	Polished Nickel
50-440SNK	Satin Nickel



Part #	Finish
50-1323ORBZ	Oil Rubbed Bronze
50-1323PB	Polished Brass
50-1323PNK	Polished Nickel
50-1323SNK	Satin Nickel

2-9/16"



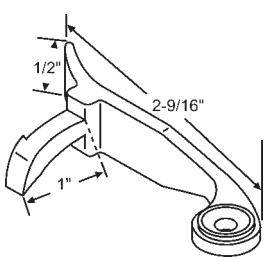
Sweep Height 1"

Part #	Finish
900-7858	Copper

Bronze Casting
Use with 900-7859 Keeper.

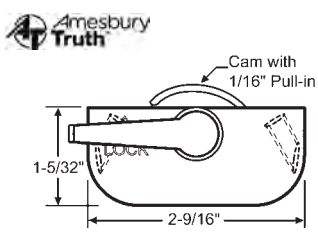
DOUBLE HUNG LATCH

2-9/16"



Part #	Finish
900-11288	Chrome

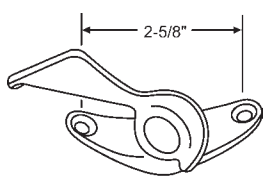
Zinc Die Cast
MODULUME



Part #	Finish
50-486-1	Bronze
50-486-46	White

Angled Screw Holes

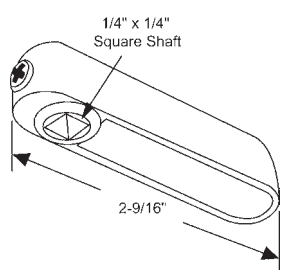
2-5/8"



Sweep Height 1"

Part #	Finish
50-723	White Bronze

Bronze Casting



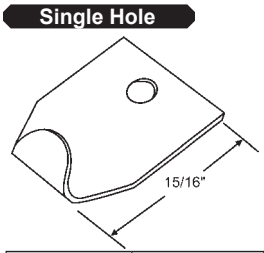
Part #	Finish
900-21337-BG	Driftwood
900-21337-W	White

Double Hung Latch. Plastic
PEACHTREE

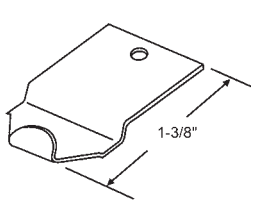
STAMPED STEEL FACE MOUNTED WINDOW KEEPERS

Stamped steel keepers in order by mounting hole distance and height.

Single Hole

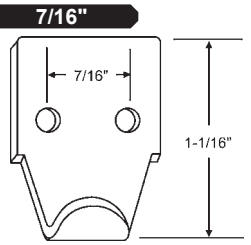


Part #	Finish
50-712SP	Stamped Steel

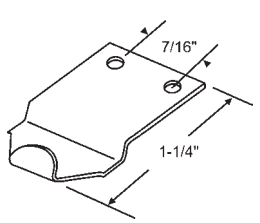


Part #	Finish
50-692	Stamped Steel

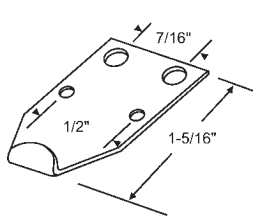
7/16"



Part #	Finish
50-661	Stamped Steel



Part #	Finish
50-691	Stamped Steel



Part #	Finish
50-694	Stamped Steel

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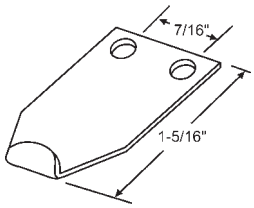
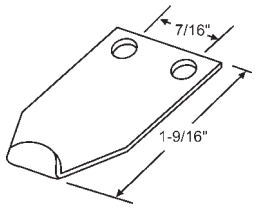
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

STAMPED STEEL FACE MOUNTED WINDOW KEEPERS

Stamped steel keepers in order by mounting hole distance and height.

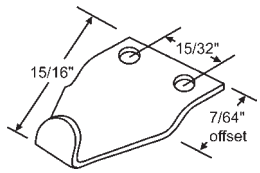


Part #	Finish
50-697	Stamped Steel



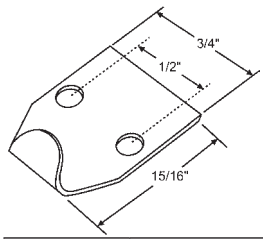
Part #	Finish
900-9744	Stamped Steel
900-9744W	White

15/32"



Part #	Finish
50-700	Stamped Steel

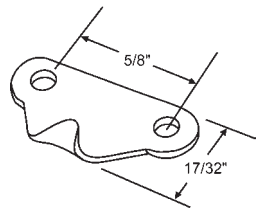
1/2"



Part #	Finish
900-8359	Stamped Steel

BINNINGS

5/8"

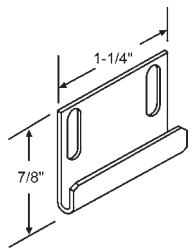


Part #	Finish
50-663	Stamped Steel

HUNG & SLIDING FACE MOUNTED WINDOW KEEPERS

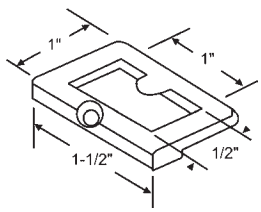
Face mounted keepers in order by mounting hole distance and height.

1-1/4"



Part #	Finish
50-790	Stamped Steel

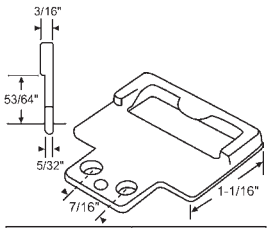
Single Hole



Part #	Finish
50-650	Chrome

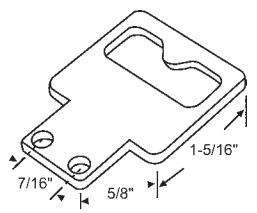
Zinc Die Cast

7/16"



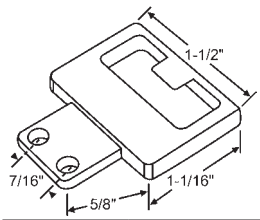
Part #	Finish
900-18531BG	Almond
900-18531BK	Black

Zinc Die Cast



Part #	Finish
900-18880	Antique Copper

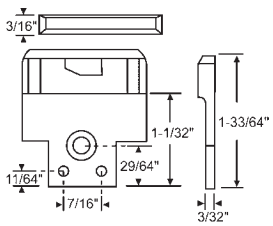
Zinc Die Cast



Part #	Finish
50-775-3	White
50-775-30	Antique Copper
50-775-12	Dayton Brown

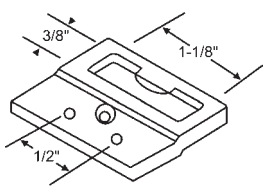
Zinc Die Cast

1/2"



50-390BEW

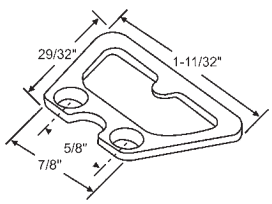
Blue White



Part #	Finish
50-696	Chrome

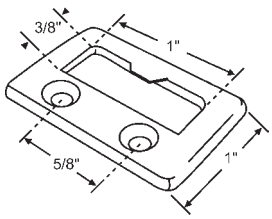
Zinc Die Cast

5/8"



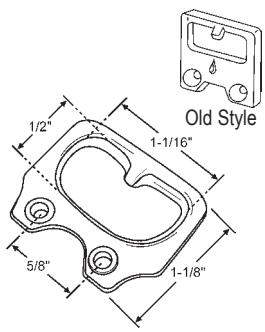
Part #	Finish
900-9920	White Bronze

Bronze Casting



Part #	Finish
50-643	Brite

Zinc Die Cast

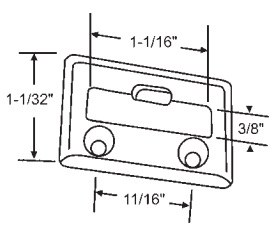


Part #	Finish
50-609WB	White Bronze

New Style

NORANDEX

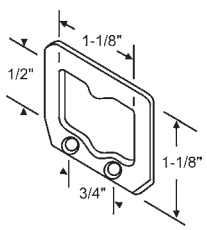
11/16"



Part #	Finish
50-642	Brite

Zinc Die Cast

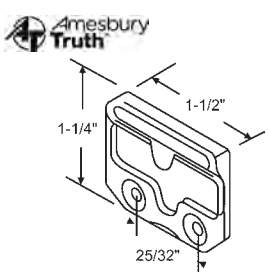
3/4"



Part #	Finish
50-709	White Bronze

Bronze Casting

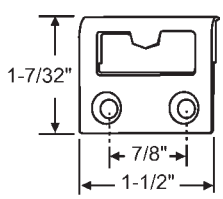
25/32"



Part #	Finish
50-733K	Brite

Zinc Die Cast

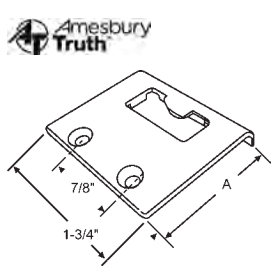
7/8"



Part #	Finish
50-970KB	Black

Zinc Die Cast

ACORN



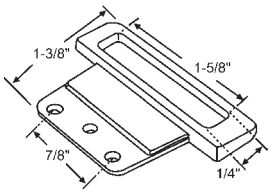
Part #	Finish	A
50-805W	White	1-1/2"
50-896W	White	1-3/16"

Zinc Die Cast

HUNG & SLIDING FACE MOUNTED WINDOW KEEPERS

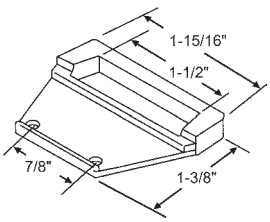
Face mounted keepers in order by mounting hole distance and height.

7/8"



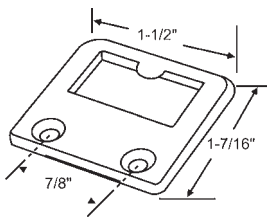
Part #	Finish
50-647	Chrome

Zinc Die Cast
SEASONALL



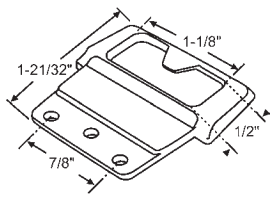
Part #	Finish
900-20101	Chrome

Zinc Die Cast
SEASONALL



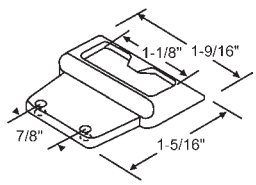
Part #	Finish
50-1004	Brite

Zinc Die Cast
PAN AM



Part #	Finish
50-646	Chrome

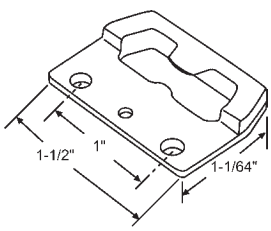
Zinc Die Cast
SEASONALL



Part #	Finish
50-800	Satin Aluminum

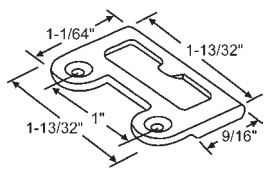
Zinc Die Cast
BETTER-BILT

1"



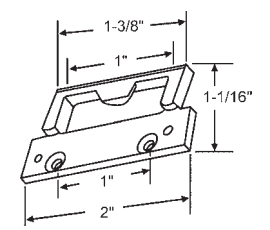
Part #	Finish
50-753W	White

Zinc Die Cast



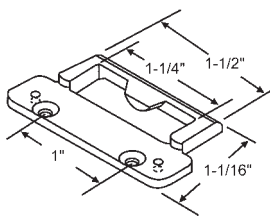
Part #	Finish
900-9929	White Bronze

Bronze Casting



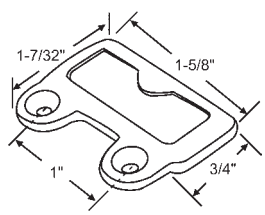
Part #	Finish
50-804BG	Beige
50-804W	White

Zinc Die Cast
ROLLYSON



Part #	Finish
900-20118	White

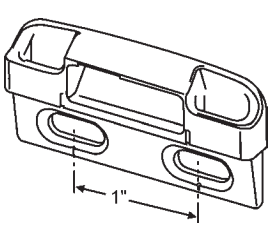
Zinc Die Cast
ROLLYSON



Part #	Finish
900-13581	White Bronze

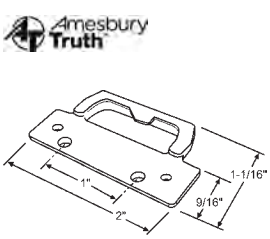
Bronze Casting

1-1/8"

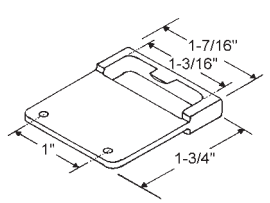


Part #	Finish
50-1067W	White

Used with 50-1065W Sash Lock
INTERLOCK

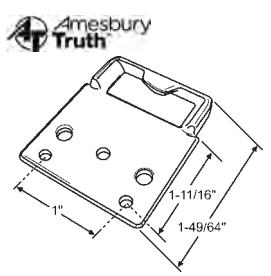


Part #	Finish
900-19782B	Brown
900-19782BG	Beige
900-19782W	Appliance White

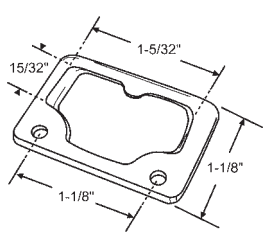


Part #	Finish
900-20075	Appliance White
900-20075BG	Beige
900-20075-10	Black

Zinc Die Cast

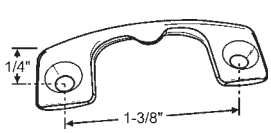


Part #	Finish
50-495-3	White



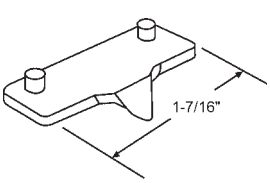
Part #	Finish
50-946	White Bronze

1-3/8"



Part #	Finish
900-11333	White Bronze

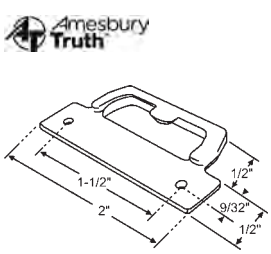
1-7/16"



Part #	Finish
50-623	Unfinished

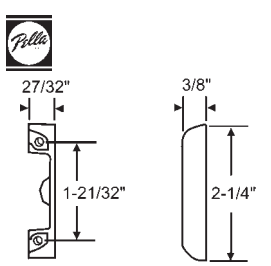
Zinc Die Cast
AIR CONTROL

1-1/2"



Part #	Finish
900-18551KWT	Snow Blue

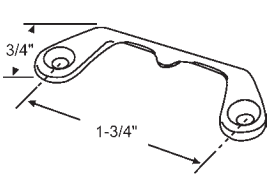
1-21/32"



Part #	Finish
50-363-35P	Champagne

Used with 50-213CHP Sash Lock

1-3/4"



Part #	Finish
900-9151	White Bronze

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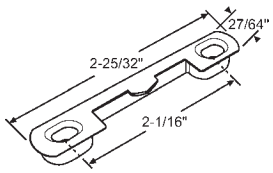
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

HUNG & SLIDING FACE MOUNTED WINDOW KEEPERS

Face mounted keepers in order by mounting hole distance and height.

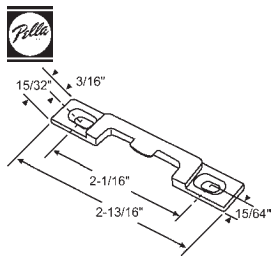
2-1/16"



Part #	Finish
50-1404W	White

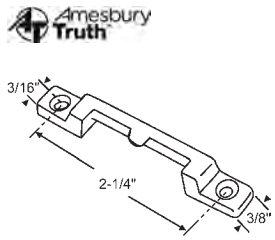
PGT

2-1/4"



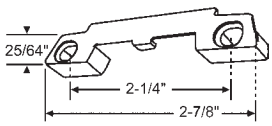
Part #	Finish
50-489-3	White

Vinyl

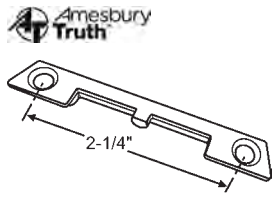


Part #	Finish
50-749	White

Zinc Die Cast



Part #	Finish
50-1076OW	Off White



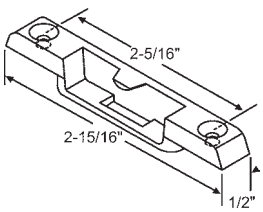
Part #	Finish
900-11293-9	Beige
900-11293-3	White
900-11293-46	Appliance White

PGT

HUNG & SLIDING TOP MOUNTED WINDOW KEEPERS

In order by mounting hole distance and height.

2-5/16"

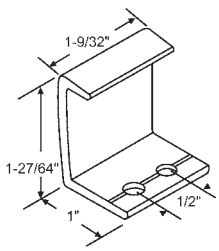


Part #	Finish
50-895	White

Plastic

METAL INDUSTRIES

1/2"

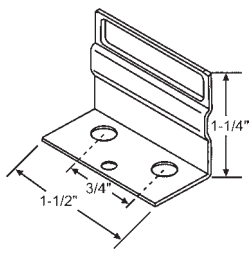


Part #	Finish
900-18719	Brown

Zinc Die Cast

TRACO

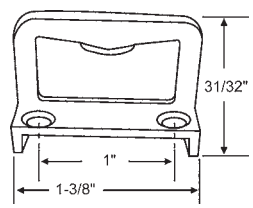
3/4"



Part #	Finish
900-8728	Aluminum

THERMALGARD

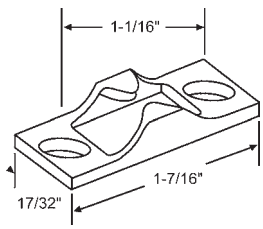
1"



Part #	Finish
50-699	Unfinished

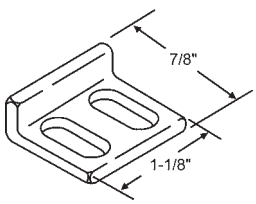
Zinc Die Cast

1-1/16"



Part #	Finish
50-701	Die Cast

1-1/8"

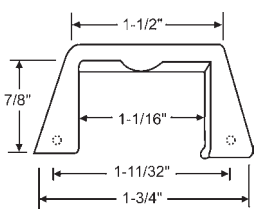


Part #	Finish
50-736	White Bronze

Bronze Casting

SWS

1-11/32"

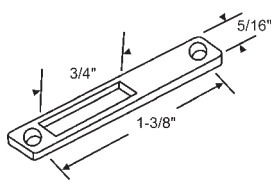


Part #	Finish
50-639	Chrome

Zinc Die Cast

ALENCO

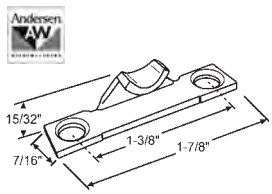
1-3/8"



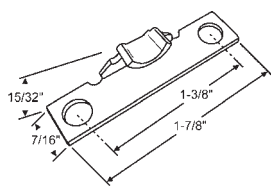
Part #	Finish
50-716	Chrome

Zinc Die Cast

CROSSLY

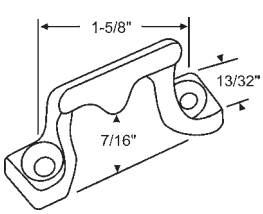


Part #	Finish
750-1361406	Stone
750-1351340	White



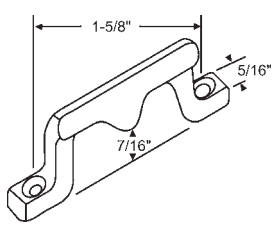
Part #	Finish
50-911K	Beige

1-5/8"



Part #	Finish
50-690	White Bronze

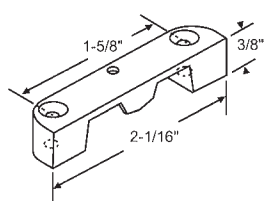
Bronze Casting



Part #	Finish
900-12561	White Bronze

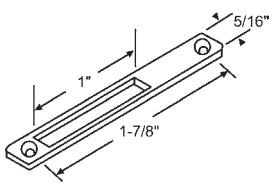
Bronze Casting

1-7/8"



Part #	Finish
50-801K	Bright Brass

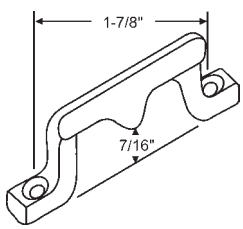
Zinc Die Cast



Part #	Finish
50-611	Chrome

Zinc Die Cast

PORTALUME



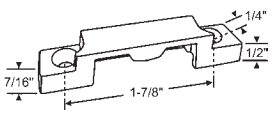
Part #	Finish
50-724	White Bronze

Bronze Casting

HUNG & SLIDING TOP MOUNTED WINDOW KEEPERS

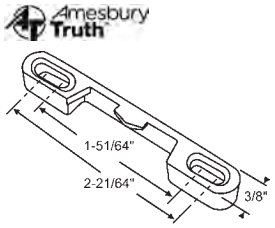
In order by mounting hole distance and height.

1-7/8"



Part #	Finish
50-214-46	White
50-214-47	Bronze
50-214-50	Tan

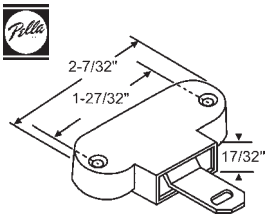
1-51/64"



Part #	Finish
50-968-46	White

Zinc Die Cast

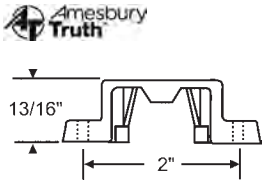
1-27/32"



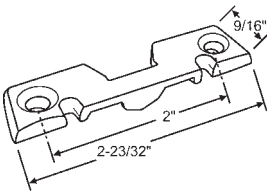
Part #	Finish
50-832	Beige

Sash Catch
Plastic with Steel Tongue

2"



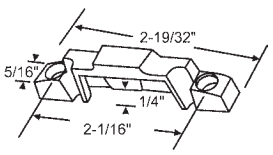
Part #	Finish
50-357-3	White



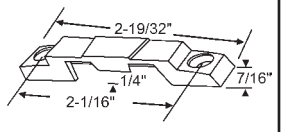
Part #	Finish
50-868K	Driftwood
50-868KW	White

Latch Keeper Kit. Includes 1 Keeper w/ Screws
PEACHTREE

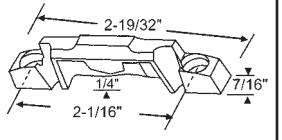
2-1/16"



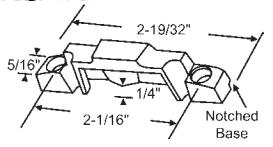
Part #	Finish
50-373-3	White
50-373-5	Bright Brass



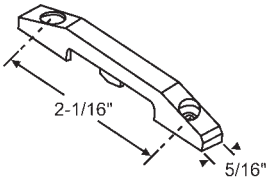
Part #	Finish
50-374-3	White



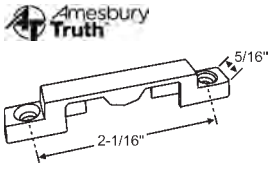
Part #	Finish
50-379-1	Bronze
50-379-3	White
50-379-8	Chestnut Bronze



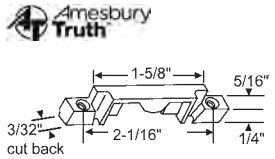
Part #	Finish
50-372-1	Bronze
50-372-3	White
50-372-5	Bright Brass
50-372-6	Clay
50-372-9	Beige



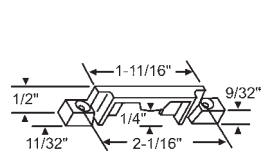
Part #	Finish
50-1112-46	Appliance White



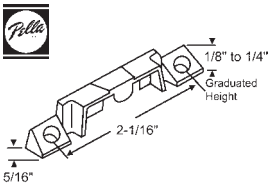
Part #	Finish
50-394-3	White



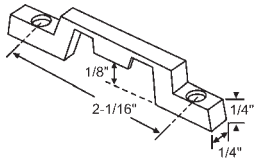
Part #	Finish
50-393-3	White
50-393-9	Beige
50-393-4	Coppertone
50-393-8	Chestnut Bronze



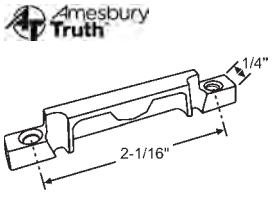
Part #	Finish
50-855	Bronze
50-855BE	Beige
50-855W	White



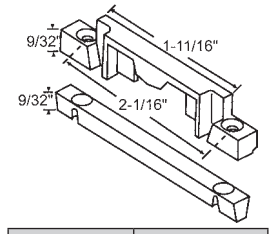
Part #	Finish
50-920-35	Champagne
50-920-3	White



Part #	Finish
50-1033BP	Bras Plated
50-1033BZ	Bronze

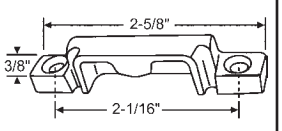


Part #	Finish
50-812-3	White
50-812-4	Coppertone

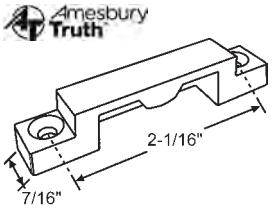


Part #	Finish
900-20056	Beige
900-20056W	White

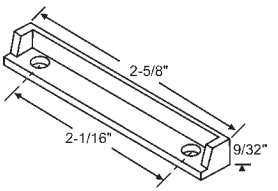
Includes Screws and Shim
900-20103BE (Beige) or
900-20103W (White)
BETTER BILT



Part #	Finish
50-387-5K	Brass
50-387-6K	Clay
50-387-74K	Snow White



Part #	Finish
50-499-1	Bronze
50-499-3	White
50-499-7	Aluminum
50-499-8	Chestnut Bronze
50-499-9	Beige



Part #	Finish
900-20045W	White
900-20045B	Black

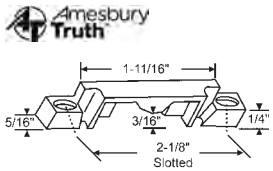
Keeper Shim
BETTER-BILT

AZA SALES
TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

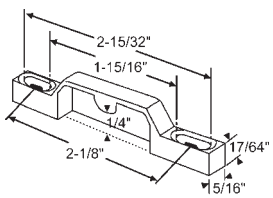
HUNG & SLIDING TOP MOUNTED WINDOW KEEPERS

In order by mounting hole distance and height.

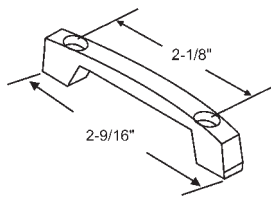
2-1/8"



Part #	Finish
50-392-3	White
50-392-1	Bronze
50-392-14	Cocoa Brown
50-392-8	Chestnut Bronze
50-392-6	Clay



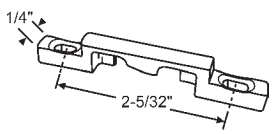
Part #	Finish
900-21122	White
900-21122-65	Brown
900-21122BG	Beige



Part #	Finish
900-14377KB	Black

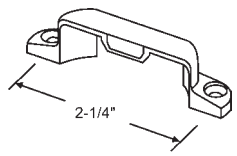
SYN-TECH

2-5/32"



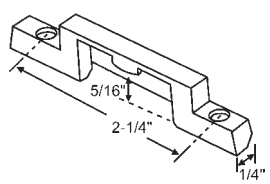
Part #	Finish
50-1071W	White

2-1/4"

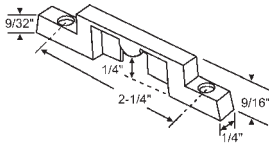


Part #	Finish
50-472-1	Bronze
50-472-5	Polished Brass
50-472-71	Oil-Rubbed Bronze

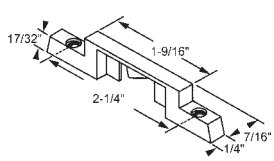
Keeper. Zinc Die Cast.
Screws not Included.



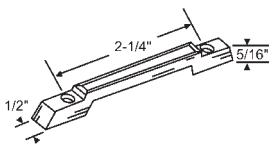
Part #	Finish
900-21121	Black



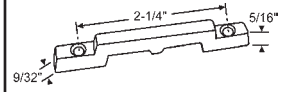
Part #	Finish
50-1431-29	White
50-1431-10	Black



Part #	Finish
900-19229BG	Beige
900-19229AB	Antique Brass
900-19229BZ	Bronze

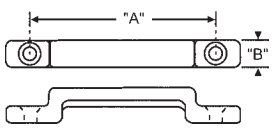


Part #	Finish
50-602	Chrome
50-602B	Black
50-602W	White
50-602CP	Antique Copper

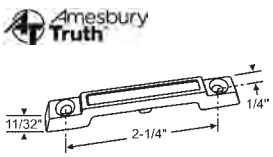


Part #	Finish
900-14381B	Black

2-3/8"

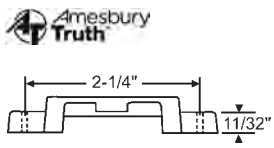


Part #	A	B
50-1206	2-1/4"	5/16"
900-22425	2-1/4"	1/4"

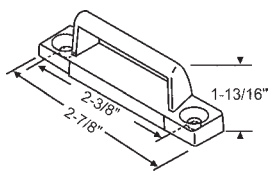


Part #	Finish
50-601-55K	Metallic Gold
50-601-46K	White
50-601-36K	Antique Brass

Snug-Fit



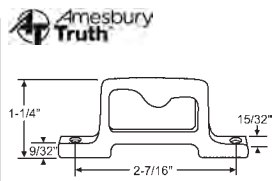
Part #	Finish
50-418-10K	Black
50-418-45K	Blue White
50-418-46K	Appliance White



Part #	Finish
50-802	Satin Aluminum

NU-PRIME

2-7/16"

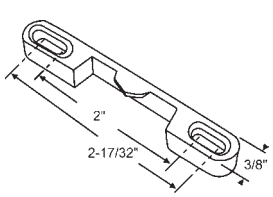


Part #	Finish
900-7859	Bronze

SLIDE LOCK

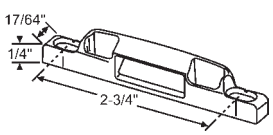
SPRING TYPE SLIDER LATCHES

2-17/32"



Part #	Finish
50-761-18	Sahara Beige
50-761-1	Bronze

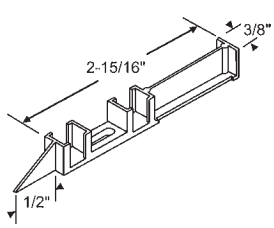
2-3/4"



Part #	Finish
50-1066W	White

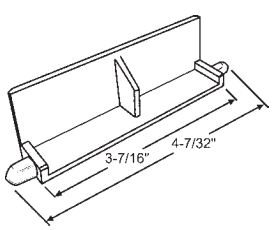
Used with 50-1065W Keeper

INTERLOCK

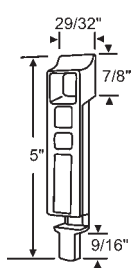


Part #	Finish
900-9562	Dichromate

ACORN



Part #	Finish
50-1194	Black

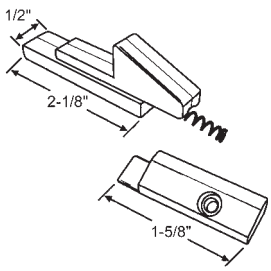


900-8997
Black Lock Bolt

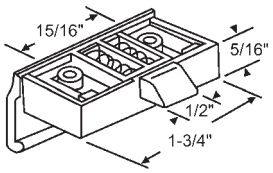
ACORN

SPRING TYPE SLIDER LATCHES

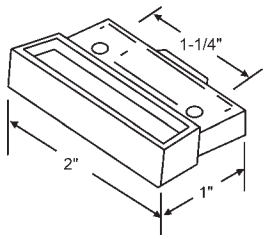
Spring type latches in order by mounting hole distance and length.



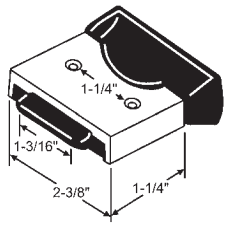
50-956
Black. Sold in Set Only. Contains 2 Latches, 2 Keepers & 2 Springs.



50-600A
Plastic

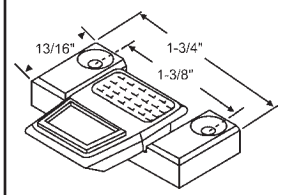


50-688
Nylon

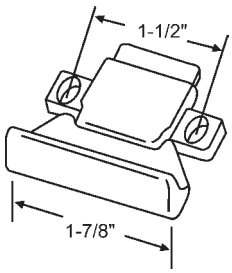


Part #	Finish
50-648A	Chrome and Black
50-648BEA	Chrome and Beige
50-648WHA	Chrome and White

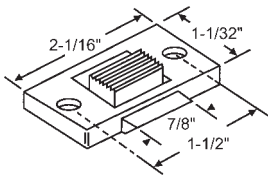
Used with 50-647 Keeper.
SEASONALL



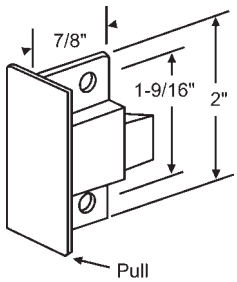
900-9950
Die Cast



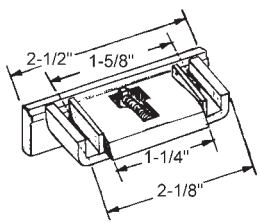
Part #	Finish
50-628A	Aluminum
50-628WA	White Aluminum



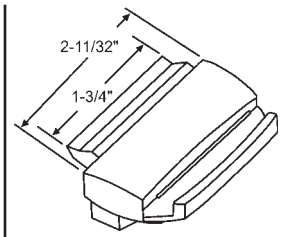
50-730WB
White Bronze



50-1007
Black
Die Cast

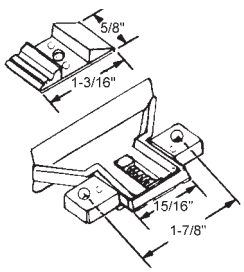


900-9061
Black
Die Cast

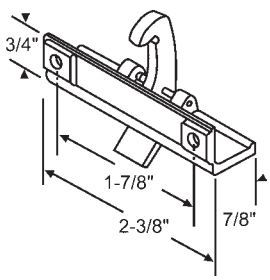


Part #	Finish
900-26	Bronze Lacquer
900-25	Chrome

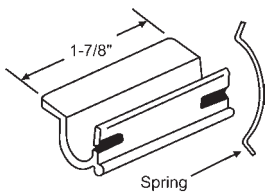
Aluminum
CROSSLY



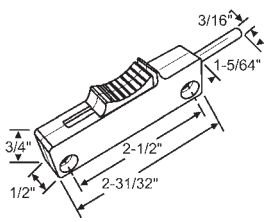
900-8878
Black Die Cast



50-735
White Bronze. Used with Keeper 50-736

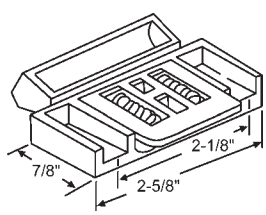


50-633
Nylon

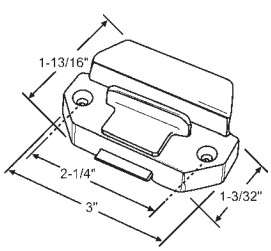


Part #	Finish
50-1395B	Black
50-1395BG	Beige
50-1395BR	Brown
50-1395W	White

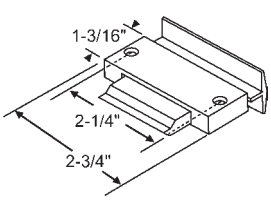
Plastic Reversible Window Latch



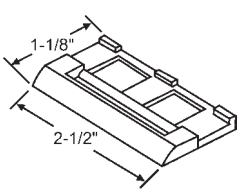
50-660
Nylon



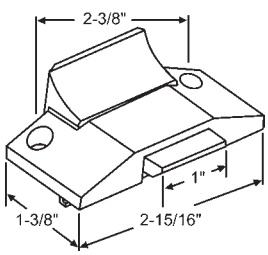
50-1508B
Black



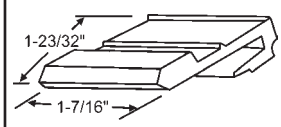
900-11566A
Black Metal
Used with Keeper 900-11567
TRACO TR6000 SERIES



900-11567
Latch Keeper for 900-11566A
TRACO TR6000 SERIES



50-725
Black Aluminum
CAPITOL



900-7972
Black. Use with 50-725 Latch.
CAPITOL

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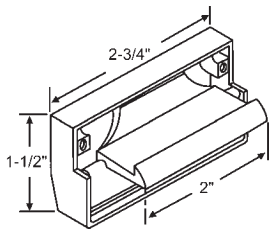
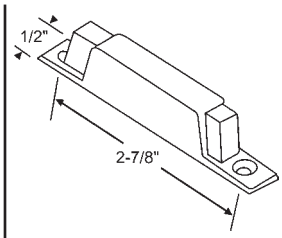
WWW.AZAHARDWARE.COM

SPRING TYPE SLIDER LATCHES

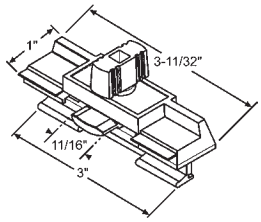
Spring type latches in order by mounting hole distance and length.



900-11470
Plastic Handle with Metal Housing. Black

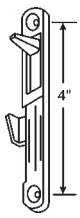


50-615A
Nylon



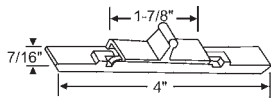
Part #	Finish
50-1484W	White
50-1484B	Black

Pull and Latch. Adjustable
SUPERIOR



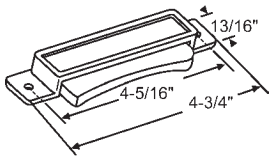
Part #	Hand
52-640	Shown
52-641	Opposite

Slider Lock

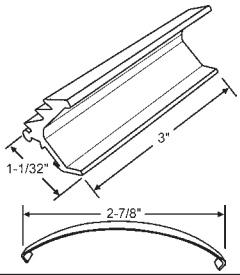


900-9563
Black Plastic

EXTRUDED SASH HANDLES & LIFTS

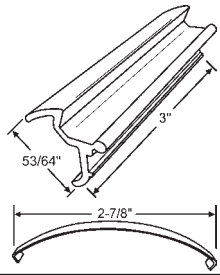


50-848
Black Aluminum



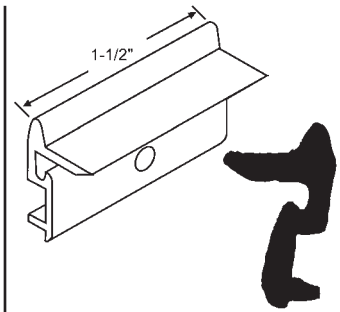
Part #	Finish
50-1405BZ	Bronze
50-1405W	White

Spring Sold Separately (900-17213)
PGT



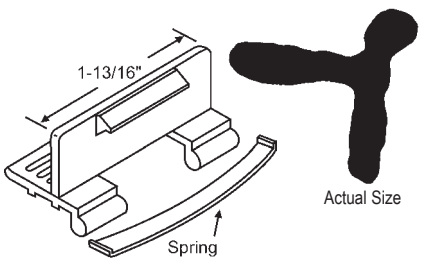
Part #	Finish
50-1406BZ	Bronze
50-1406W	White

Spring Sold Separately (900-17213)
PGT



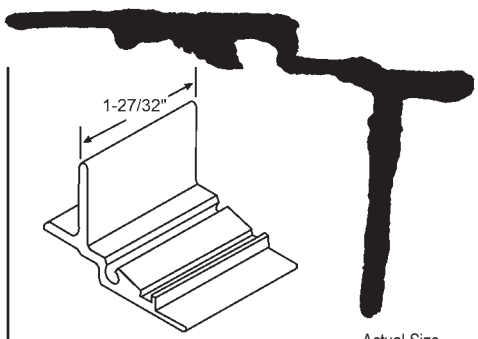
Part #	Finish
900-8615	Black

Glazing Clip, Nylon

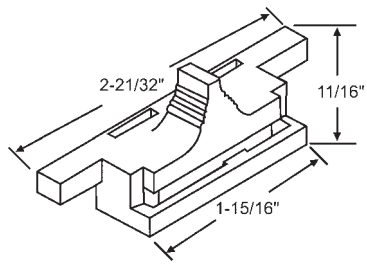


Part #	Finish
50-729	Black

Aluminum
NU-AIRE

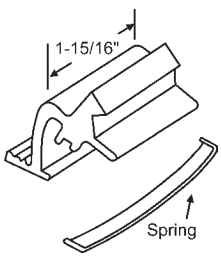


900-10875
No Longer Available



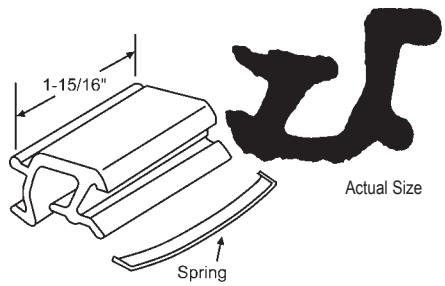
Part #	Finish
900-5484A	White

Plastic Slider Lock with Spring
CROSSLY



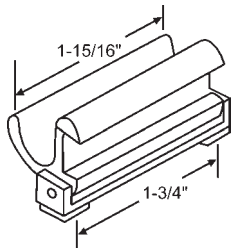
Part #	Finish
50-713	Mill

Aluminum



Part #	Finish
50-617A	Bronze

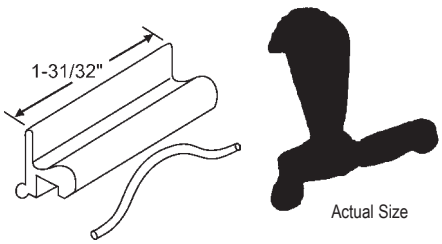
Aluminum



Part #	Finish
50-626	Mill

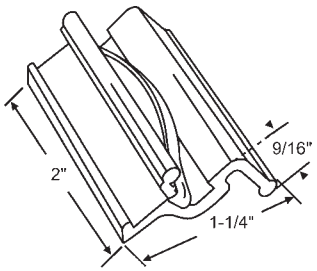
Aluminum
KELLER

EXTRUDED SASH HANDLES & LIFTS



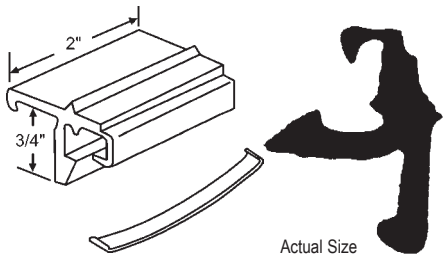
Part #	Finish
50-708	Black
50-708W	White

Plastic



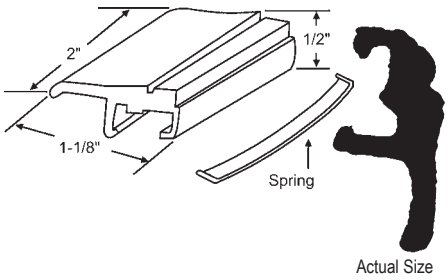
Part #	Finish
50-751A	Earth Brown
50-751WA	White

CAPITOL



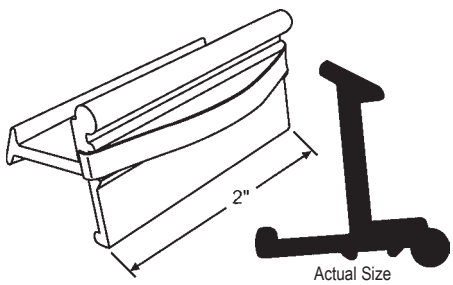
Part #	Finish
50-629A	Mill

Aluminum
CROSSLY

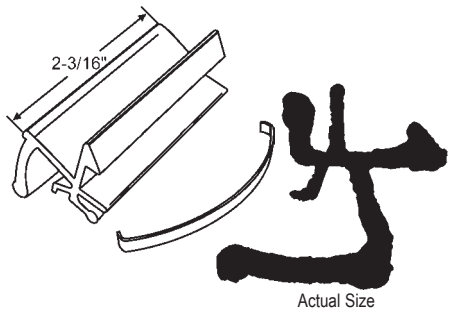


Part #	Finish
50-778W	White
50-778	Mill

Aluminum
ROLLYSON

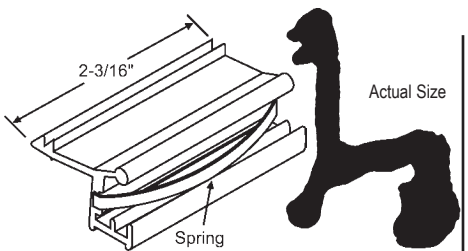


50-1312
Mill. Includes Spring



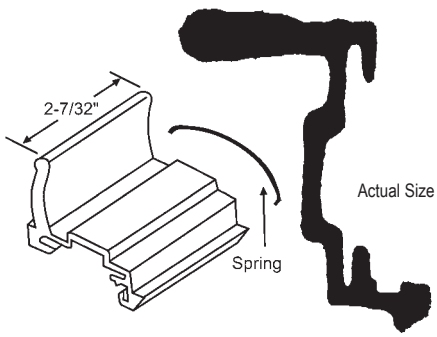
Part #	Finish	Description
900-9560BRA	Brown	with Spring

Aluminum. 900-10495S for Spring Only
ACORN



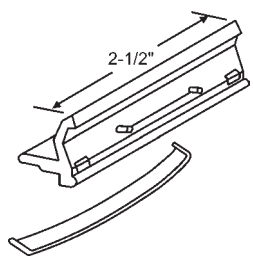
Part #	Finish
900-9559	White
900-9559A	Almond
900-9559B	Bronze
900-9559TN	Tan

Aluminum



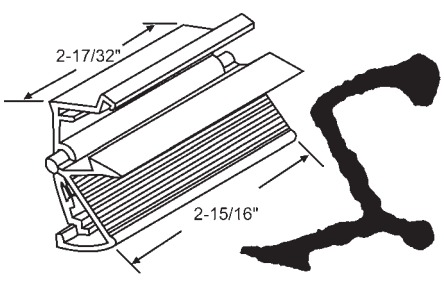
Part #	Finish
50-706	Mill

Aluminum

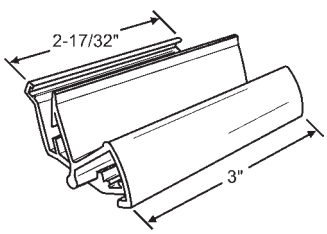


Part #	Finish
50-707	Black

Plastic

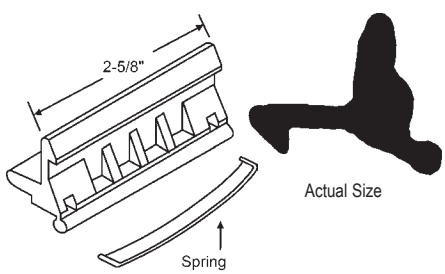


900-11565
No Longer Available
Use: 50-867A



Part #	Finish
50-867A	Black

with Spring
TRACO



Part #	Finish
50-768WH	White
50-768	Black

Plastic

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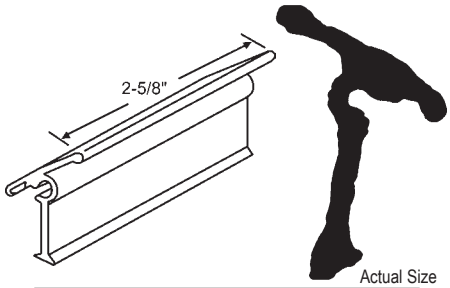
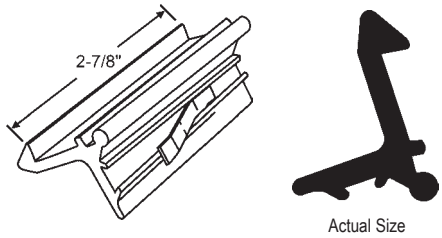
EXTRUDED SASH HANDLES & LIFTS



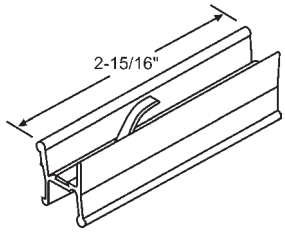
Part #	Finish
900-11342BZ	Bronze

Aluminum
HOWARD



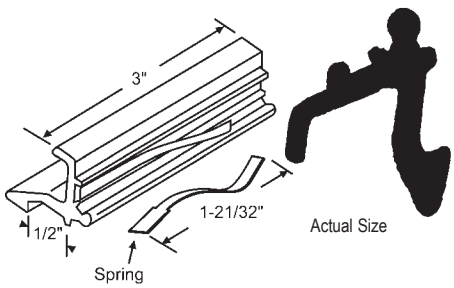
Part #	Finish
50-1313W	White

Includes Spring
ESP



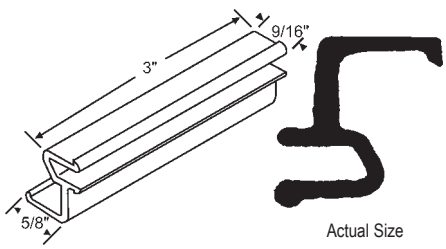
Part #	Finish
50-793W	White
50-793BR	Bronze

Aluminum



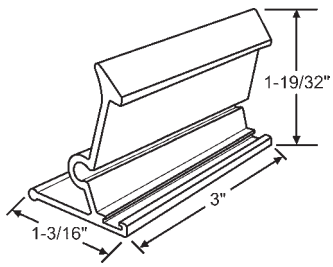
Part #	Finish
900-20772	Mill

Aluminum



Part #	Finish
900-16656W	White
900-16656B	Black

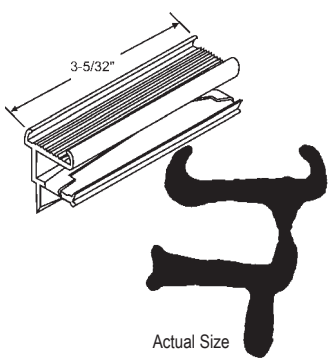
Aluminum



Part #	Finish
50-1324	Mill
50-1324BZ	Bronze
50-1324W	White

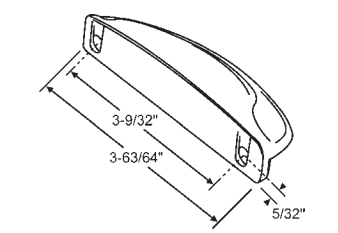
Aluminum
TRACO

SASH LIFTS



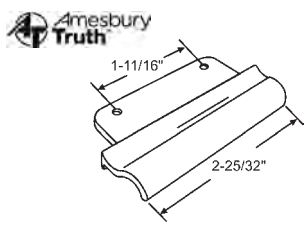
Part #	Finish
900-1088	Black

Plastic

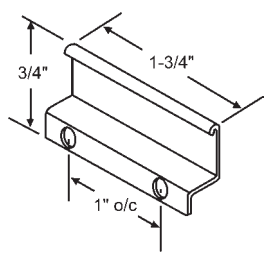


Part #	Finish
50-1311BP	Brass Plated
50-1311W	White

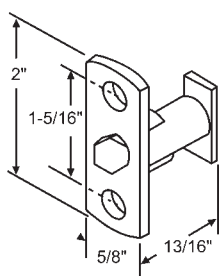
Zinc Die Cast. Matching Screws Included



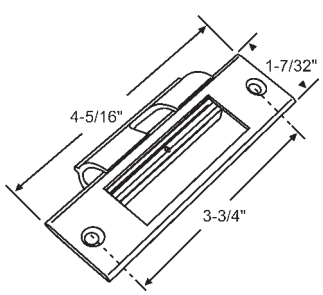
Part #	Finish
50-1310-1	Bronze
50-1310-5	Bright Brass
50-1310-13	Brushed Copper Nickel
50-1310-18	Sahara Beige
50-1310-36	Brushed Antique Brass
50-1310-40	Snow White
50-1310-80SP	Western Pewter



50-839
Meeting Rail Strike Plate. Used with 50-840 and 50-840BZ

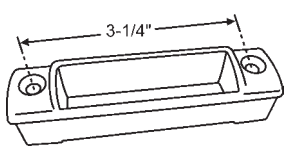


50-841
Auto Lock Plunger. Black Housing with Aluminum Plunger. Used with 50-839, 50-840 and 50-840BZ



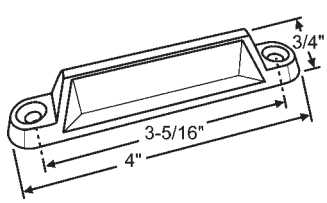
Part #	Finish
50-840	Clear Anodized
50-840BZ	Bronze Anodized

Auto Thumb Spring Lock. Metal
EFCO



Part #	Finish
50-1121	Driftwood
50-1121W	White

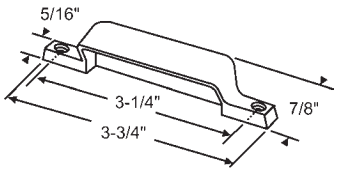
Includes Screws
PEACHTREE



Part #	Finish
50-479	White
50-479B	Black

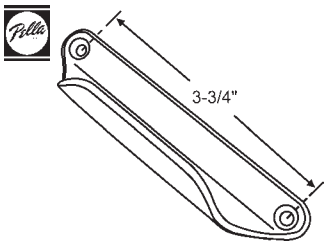
Plastic
WEATHERSHIELD

SASH LIFTS



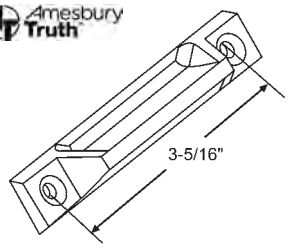
Part #	Finish
50-873W	White
50-873BZ	Bronze

Plastic



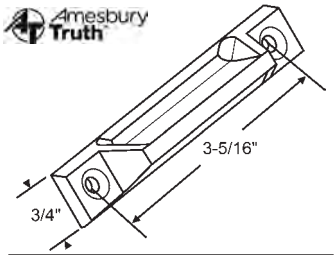
Part #	Finish
50-980CHP	Champagne
50-980W	White
50-980BRS	Brass Plated

Plastic



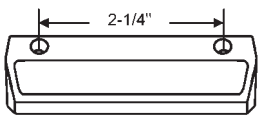
Part #	Finish
50-404-1	Bronze
50-404-3	White
50-404-2	Gold
50-404-4	Coppertone

Zinc Die Cast



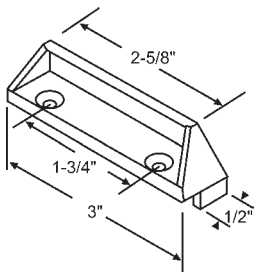
Part #	Finish
900-16321	White
900-16321BR	Brown
900-16321B	Black
900-16321BG	Beige

Plastic



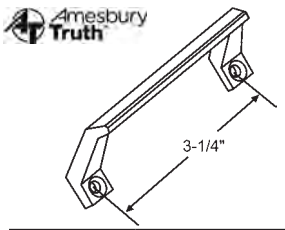
Part #	Finish
900-19442	Beige
900-19442B	Brown
900-19442T	Tan

Plastic



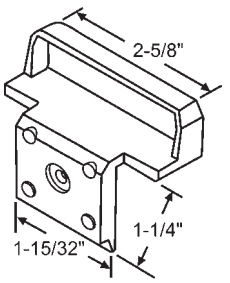
Part #	Finish
900-16287	White

Plastic
SEASONALL



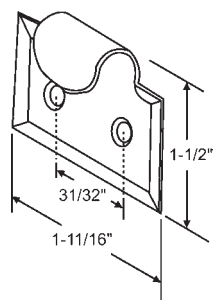
Part #	Finish
50-405-1	Bronze
50-405-3	White
50-405-5	Brass Plated
50-405-6	Clay

Die Cast



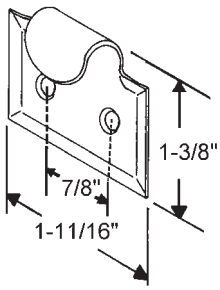
Part #	Finish
900-8729	White

Plastic
THERMALGARD



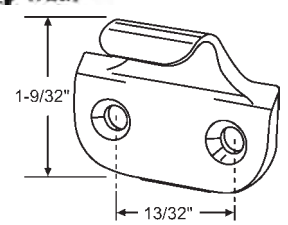
Part #	Finish
50-966	Solid Brass

Hook Lift w/ Screws (2 Per Pack)



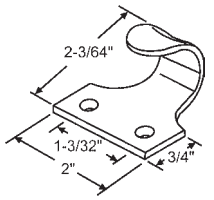
Part #	Finish
900-6687	Brass Plated

Includes Screws



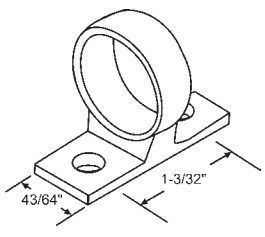
Part #	Finish
50-475-1	Bronze
50-475-3	White
50-475-13	Copper Nickel
50-475-36	Antique Brass
50-475-5	Bright Brass

Zinc Die Cast



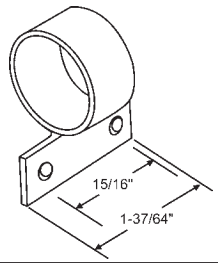
Part #	Finish
50-1101BRS	Solid Brass
50-1101CH	Chrome

Also available in satin chrome finish.
MIGHTON



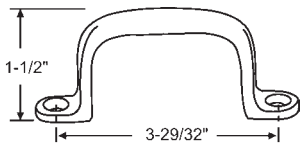
Part #	Finish
50-1102BRS	Solid Brass

Ring Pull. Also available in satin chrome finish.
MIGHTON



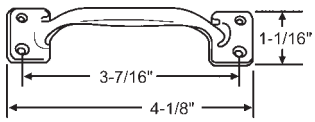
Part #	Finish
50-1103BRS	Solid Brass

Ring Pull. Also available in satin chrome finish.
MIGHTON



Part #	Finish
900-9194	Bronze

Cast Bronze



Part #	Finish
50-455-1	Bright Brass

Solid Brass with Screws

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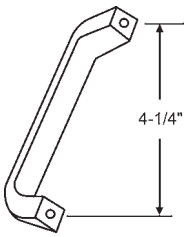
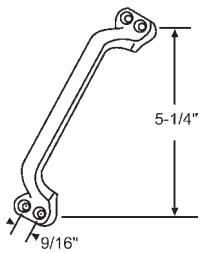
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

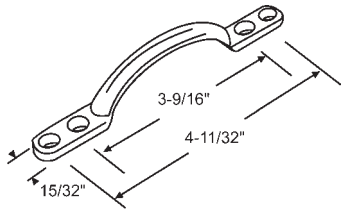
SASH LIFTS



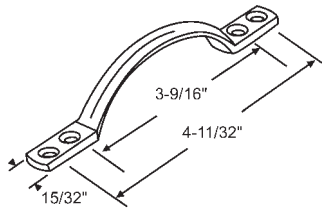
32-281
Natural Finish
THORN



32-282
Natural Finish

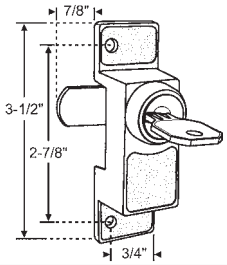


50-1104CH
Round Edge Dee Handle
Chrome
MIGHTON



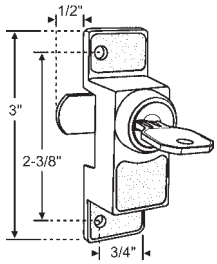
50-1104BRS
Square Edge Dee Handle
Solid Brass
MIGHTON

LIMIT LOCKS



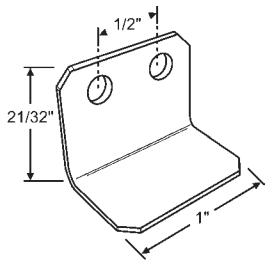
Part #	Finish	Hand
50-1374B	Black	Shown
50-1374W	White	Shown

Window/Door Limit Lock with Key. Zinc Die Cast



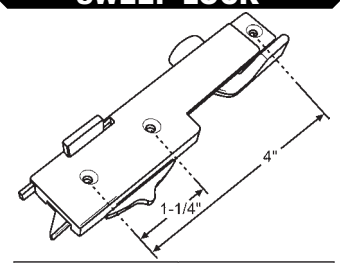
Part #	Finish	Hand
50-737RH	Chrome	Shown
50-737LH	Chrome	Opposite

Window/Door Limit Lock with Key Zinc Die Cast



50-837
Metal Keeper for Limit Locks

TILT LATCH SWEEP LOCK

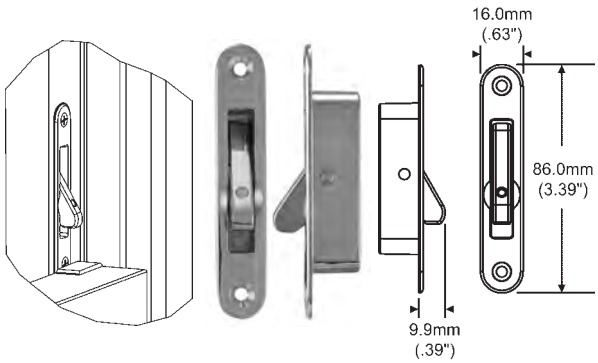


Part #	Finish
50-1258WA	White
50-1258BZA	Bronze

Sold in Sets Only. LH Shown
MILESTONE/FLORIDA EXTRUDERS

WINDOW OPENING CONTROL DEVICES (WOCD)

Face Fix Single Action



The Face Fix version is fitted into the stiles of the Top Sash - one on either side.

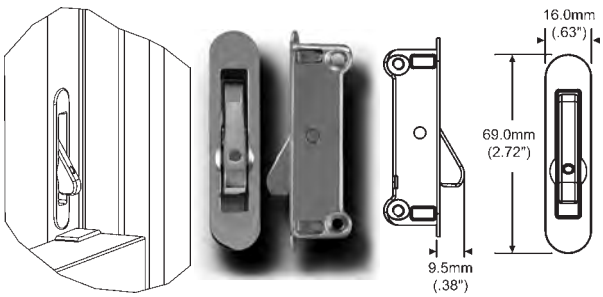
The units are single action, so fitting two ensures compliance with ASTM F2090 2008 and 2010.
The unit is primarily factory fitted as access to the sash is available prior to installation in the window frame. However, provided the sashes can be removed easily, the Face fix version is also suitable for use where the sashes have already been installed.

Two screws are used to fix each unit in place. Fixing is through the front of the unit and into the sash. The Face fix version is for use on Timber, Vinyl, Aluminium and Fiberglass sashes.

Part Number	Color
50-1367FFBRS	Brass
50-1367FFORBZ	Oil Rubbed Bronze
50-1367FFW	White
50-1367FFCH	Chrome
50-1367FFSCH	Satin Chrome

Packed and Sold as Kit. Kit Contains 2 Devices, 4 Screws and 2 Bumpers

Side Fix Single Action



The Side Fix version is fitted into the stiles of the Top Sash - one on either side.

The units are single action, so fitting two ensures compliance with ASTM F2090 2008 and 2010.

These units have been Focus group tested and have been proven to be operable without prior knowledge or tools.

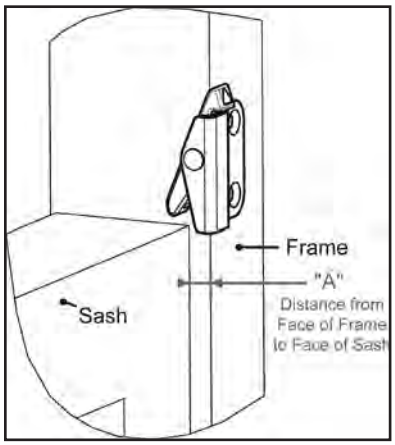
The unit is primarily factory fitted as access to the sash is available prior to installation in the window frame. However, provided the sashes can be removed easily, the Side fix version is also suitable for use where the sashes have already been installed.

Two screws are used to fix each unit in place. Fixing is through the side of the unit and into the sash. Screw holes are not visible and the units are therefore tamper-proof. The Side fix version is for use on Timber, Vinyl, Aluminium and Fiberglass sashes.

Part Number	Color
50-1366SFCH	Chrome
50-1366SFORBZ	Oil Rubbed Bronze
50-1366SFW	White

Packed and Sold in Pairs

Angel Ventlock

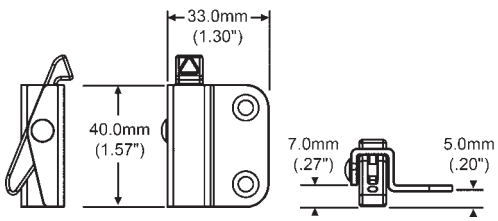


The Reverse Retrofit Angel Ventlock is the ideal limit control device in after-market applications. This Window Opening Control Device (WOCD) can be mounted on a vinyl, wood or aluminum single hung or double hung window.

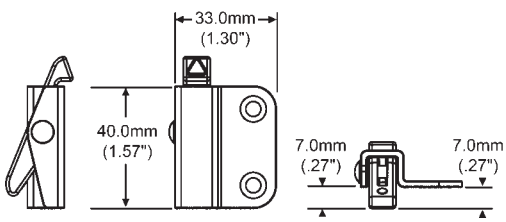
The Reverse Retrofit Angel Ventlock version attaches to the window frame and must be mounted to restrict the sash opening to less than four inches. These units are single action, so installing one on either side of the window frame ensures compliance with the code ASTM F2090-2008 and 2010.

Various sizes and finishes of the Reverse Retrofit version are shown below. Selection is dependent upon the distance from the face of the frame to the face of the sash. Simply measure the distance between the two and choose the part number from the chart below.

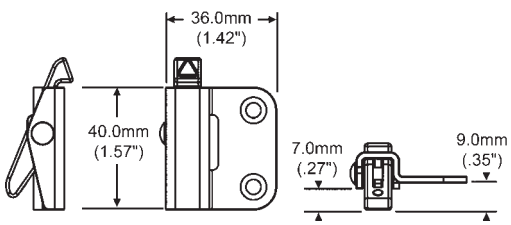
All Reverse Retrofit Angel Ventlocks Packed with Screws & Sold in Pairs (RH Shown).
Made of Stamped Steel with Stainless Steel Pin and Spring



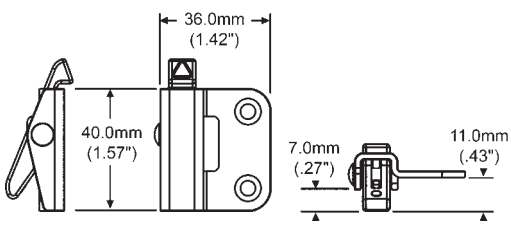
Part Number	Color	"A" Dimension
50-1356XDBCH	Chrome	-5/64" to 0"
50-1356XDBORBZ	Oil Rubbed Bronze	
50-1356XDBW	White	



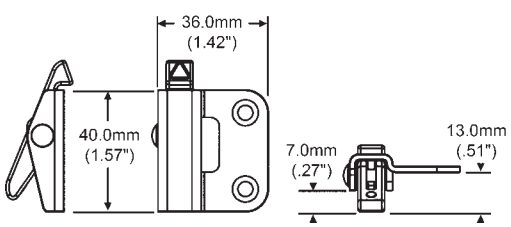
Part Number	Color	"A" Dimension
50-1357DBCH	Chrome	1/32" to 5/64"
50-1357DBORBZ	Oil Rubbed Bronze	
50-1357DBW	White	



Part Number	Color	"A" Dimension
50-1358MBCH	Chrome	1/8" to 5/32"
50-1358MBORBZ	Oil Rubbed Bronze	
50-1358MBW	White	



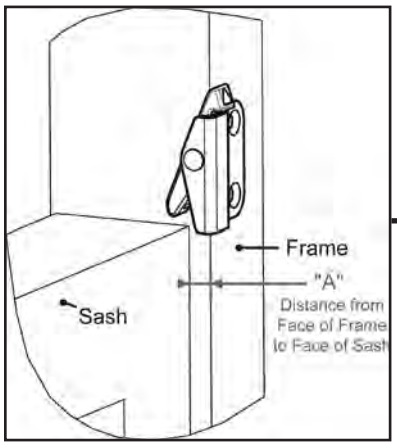
Part Number	Color	"A" Dimension
50-1359MBCH	Chrome	13/64" to 15/64"
50-1359MBORBZ	Oil Rubbed Bronze	
50-1359MBW	White	

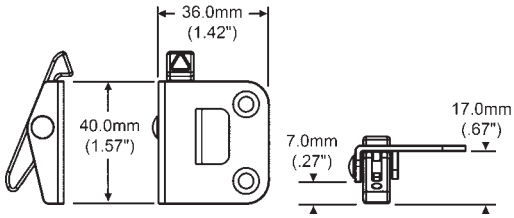


Part Number	Color	"A" Dimension
50-1360SBCH	Chrome	9/32" to 5/16"
50-1360SBORBZ	Oil Rubbed Bronze	
50-1360SBW	White	

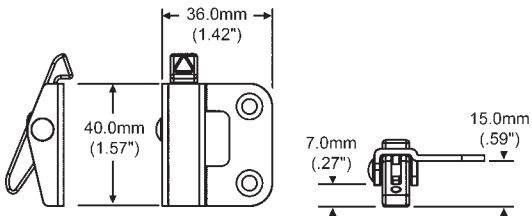
WINDOW OPENING CONTROL DEVICES (WOCD)

Reverse Retrofit Single Action



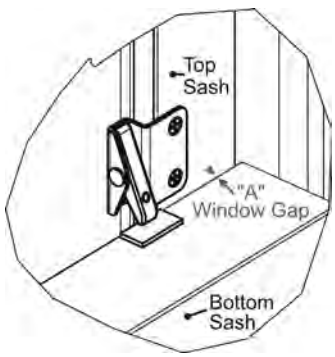


Part Number	Color	"A" Dimension
50-1362FBCH	Chrome	7/16" to 15/32"
50-1362FBORBZ	Oil Rubbed Bronze	
50-1362FBW	White	



Part Number	Color	"A" Dimension
50-1361XSBCH	Chrome	23/64" to 25/64"
50-1361XSBORBZ	Oil Rubbed Bronze	
50-1361XSBW	White	

Standard Retrofit Single Action

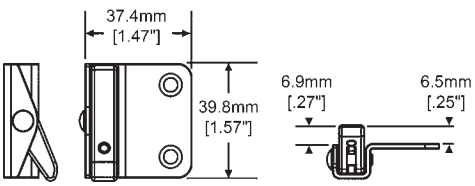


The Standard Retrofit Angel Ventlock is another ideal limit control device for use in after-market applications. This Window Opening Control Device (WOCD) is mounted to the top sash on a double hung wood window.

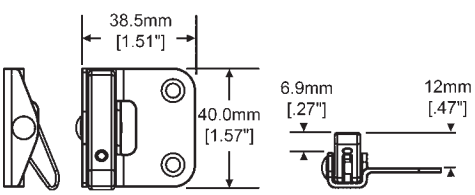
The Standard Retrofit Angel Ventlock version fits into the stile of the top sash and must be mounted to restrict the bottom sash opening to less than four inches. These units are single action, so installing one on either side of the sash ensures compliance with the code ASTM F2090 - 2008 and 2010.

Various sizes and finishes of the Standard Retrofit version are shown below. Selection is determined by measuring the window gap between the top sash and the bottom sash. Simply measure the distance between the two and select the part number from the chart below.

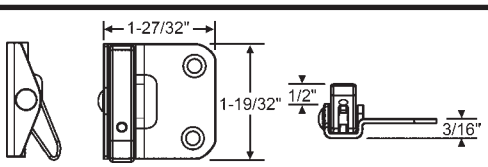
All standard retrofit single action angel ventlocks packed with screws & sold in pairs (RH Shown). made of stamped steel, with stainless steel pin and spring.



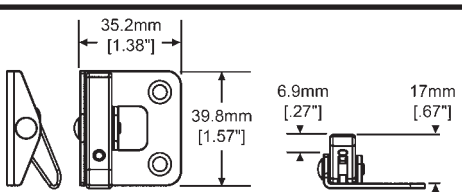
Part Number	Color	Bend	"A" Dimension
50-1363SBCH	Chrome	Standard	1/8" to 5/32"
50-1363SBORBZ	Oil Rubbed Bronze	Standard	
50-1363SBW	White	Standard	



Part Number	Color	Bend	"A" Dimension
50-1364SBCH	Chrome	Shallow	5/16" to 11/32"
50-1364SBW	White	Shallow	



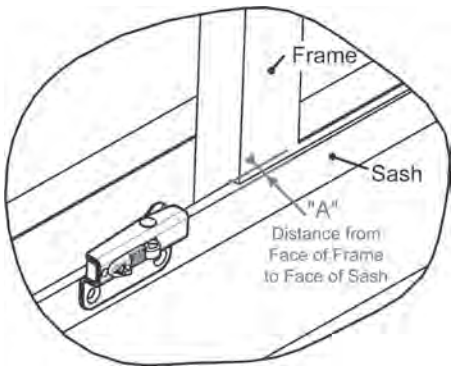
Part Number	Color	Bend	"A" Dimension
50-1390SBXCH	Chrome	Shallow w/ Extended Bracket	5/16" to 11/32"
50-1390SBXORBZ	Oil Rubbed Bronze	Shallow w/ Extended Bracket	
50-1390SBXW	White	Shallow w/ Extended Bracket	



Part Number	Color	Bend	"A" Dimension
50-1365FBCH	Chrome	Flat	33/64" to 35/64"
50-1365FBORBZ	Oil Rubbed Bronze	Flat	
50-1365FBW	White	Flat	

WINDOW OPENING CONTROL DEVICES (WOCD)

Reverse Retrofit Dual Action

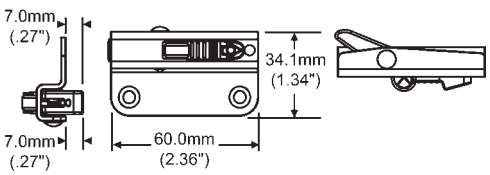


Packed with Screws & Sold Individually Specify RH or LH (RH Shown)
Made of Stamped Steel with Stainless Steel Pin and Spring

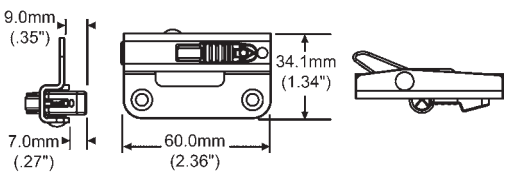
The Dual Action Reverse Retrofit Angel Ventlock is another ideal limit control device for use in aftermarket applications. This Window Opening Control Device (WOCD) is primarily used on sliding windows.

The Dual Action Reverse Retrofit Angel Ventlock version attaches to the window frame and must be mounted to restrict the sash opening to less than four inches. Dual action means that two separate actions are required to operate the unit. Only one dual action unit is required to ensure compliance with the code ASTM F2090-2008 and 2010.

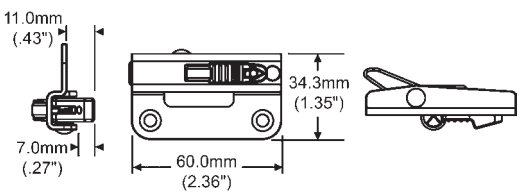
Various sizes and finishes of the Dual Action Reverse Retrofit version are shown below. Selection is dependent upon the distance from the face of the frame to the face of the sash. Simply measure the distance between the two and choose the part number from the chart below.



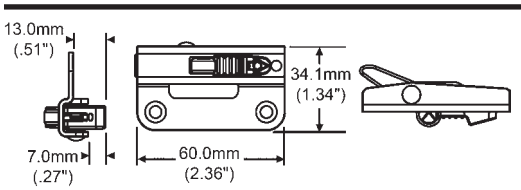
Part Number (Left Hand)	Part Number (Right Hand)	Color	Bend	"A" Dimension
50-1353-DBCH-LH*	50-1353-DBCH-RH	CHROME	DEEP	1/32" to 7/64"
50-1353-DBORBZ-LH*	50-1353-DBORBZ-RH	OIL RUBBED BRONZE		
-	50-1353-DBW-RH	WHITE		



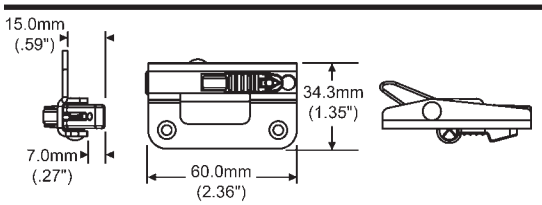
Part Number (Left Hand)	Part Number (Right Hand)	Color	Bend	"A" Dimension
50-1353-MBCH-LH	50-1353-MBCH-RH	CHROME	MEDIUM	1/8" to 3/16"
50-1353-MBORBZ-LH	50-1353-MBORBZ-RH	OIL RUBBED BRONZE		
50-1353-MBW-LH	50-1353-MBW-RH	WHITE		



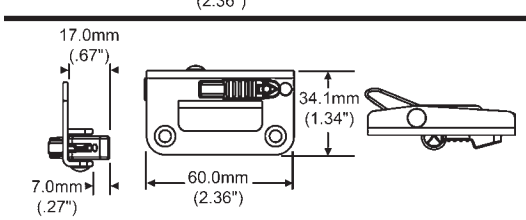
Part Number (Left Hand)	Part Number (Right Hand)	Color	Bend	"A" Dimension
50-1353-M56CH-LH	50-1353-M56CH-RH	CHROME	M56	13/64" to 17/64"
50-1353-M56ORBZ-LH	50-1353-M56ORBZ-RH	OIL RUBBED BRONZE		
50-1353-M56W-LH	50-1353-M56W-RH	WHITE		



Part Number (Left Hand)	Part Number (Right Hand)	Color	Bend	"A" Dimension
50-1353-SBCH-LH*	50-1353-SBCH-RH	CHROME	SHALLOW	9/32" to 11/32"
50-1353-SBORBZ-LH*	50-1353-SBORBZ-RH	OIL RUBBED BRONZE		
-	50-1353-SBW-RH	WHITE		



Part Number (Left Hand)	Part Number (Right Hand)	Color	Bend	"A" Dimension
50-1353-XSBCH-LH	50-1353-XSBCH-RH	CHROME	XSB	23/64" to 27/64"
50-1353-XSBORBZ-LH	50-1353-XSBORBZ-RH	OIL RUBBED BRONZE		
50-1353-XSBW-LH	50-1353-XSBW-RH	WHITE		



Part Number (Left Hand)	Part Number (Right Hand)	Color	Bend	"A" Dimension
50-1353-FBCH-LH	50-1353-FBCH-RH	CHROME	FLAT	7/16" to 33/64"
50-1353-FBORBZ-LH	50-1353-FBORBZ-RH	OIL RUBBED BRONZE		
50-1353-FBW-LH	50-1353-FBW-RH	WHITE		

*call for availability

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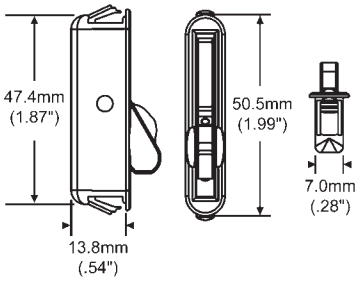
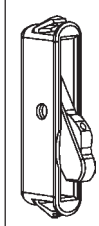
WINDOW OPENING CONTROL DEVICES (WOCD)

Mini Angel





Part Number	Color
50-1453TN	Tan
50-1453W	White

Packed and Sold Individually

The Mini Angel is for use on Vinyl, Aluminum and Fiberglass double and single hung sash windows.

The units are single action, so fitting two ensures compliance with ASTM F2090 - 2008 and 2010.

The Mini Angel is fitted into the stiles of the top sash - one on each side.
The units are single action, so fitting two ensures compliance with ASTM F2090 - 2008 and 2010.

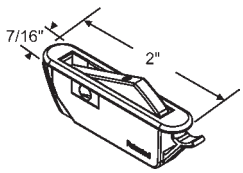
The unit is primarily factory-fitted as access to the sash is required. However, provided the sashes can be removed easily, the Mini Angel is also suitable for use where the sashes have already been installed.

The unit is clipped into a slot in the face of the top sash. The units are therefore tamper-proof.

PLASTIC WINDOW OPENING CONTROL DEVICES (WOCD)

All of the following WOCD single and dual action devices on this page are tested and comply with the ASTM F2090-2008 & 2010 code when properly installed.

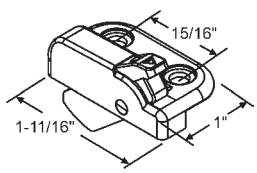
Other finishes available but may require minimum quantities. Other WOCD's available upon request.
Detailed drawings available with instructions. Please contact your account manager for details.



Fits slot size 1.89" x .284"

The 50-2000 series is a single action WOCD. This device is designed to fit into the stile of an opposing sash and is engineered for insertion directly into a standard vent stop slot. With a housing that will fit any wall thickness from (0.05") to (0.13"), the 50-2000 series is the most versatile WOCD on the market. This WOCD can be installed both in the factory and in the field in just a few seconds.

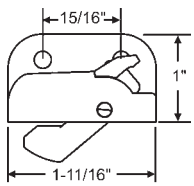
Part Number	Finish
50-2000BEW	Blue White



Our 50-2007 series is a single action WOCD designed to install directly to the face of the window jamb and interact with the active sash of any hung or sliding window. This device comes with mounting hardware for proper installation and is available in right & left handing. The 50-2007 series was designed to be applied in the field or in the factory.

Part Number	Finish
50-2007BEW	Blue White

Packed and Sold in Pairs. Left Hand Shown

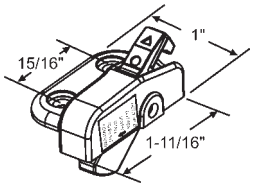


Our 50-2008 series is a single action WOCD designed to install directly to the window jamb extension or return and interact with the active sash of any hung or sliding window. This device comes with mounting hardware to assure proper installation and is available in right & left handing. The 50-2008 series was designed to be applied in the field or in the factory.

Part Number	Finish
50-2008BEW	Blue White

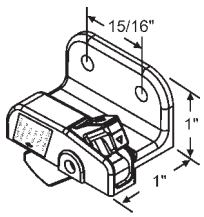
Packed and Sold in Pairs. Left Hand Shown

PLASTIC WINDOW OPENING CONTROL DEVICES (WOCD)



Our 50-2003 series is a dual action WOCD designed to install directly to the face of the window jamb and interact with the active sash of any hung or sliding window. This device comes with mounting hardware to assure proper installation and is available in right & left handing. The 50-2003 series was designed to be applied in the field or in the factory.

Part Number	Handing	Finish
50-2003LHBEW	LH (shown)	Blue White
50-2003RHBEW	RH	Blue White



Our 50-2005 series is a dual action WOCD designed to install directly to the window jamb extension or return and interact with the active sash of any hung or sliding window. This device comes with mounting hardware to assure proper installation and is available in right & left handing. The 50-2005 series was designed to be applied in the field or in the factory.

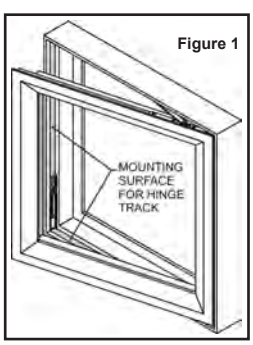
Part Number	Handing	Finish
50-2005LHBEW	LH (shown)	Blue White
50-2005RHBEW	RH	Blue White

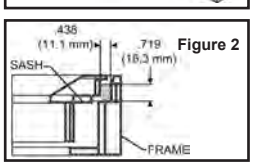
WINDOW OPENING CONTROL DEVICES (WOCD)

SafeGard™ Limiting Control Device for Casement Windows

Amesbury Truth

SafeGard™ Provides Peace Of Mind On Casement Window Applications.





- The SafeGard™ is the Industry's first limiting control device offered for casement windows.
- The SafeGard™ Limit Device was tested & certified to meet ASTM F2090-10 code requirements. The ASTM F2090 addresses window fall prevention, that helps protect against potential falls by children through open windows.
- The SafeGard™ Limit Device provides a means that will limit the venting of the window to less than 4".
- As required by code, the SafeGard™ Limit Device has a two (2) action operation to fully open the window for egress purposes. This operation can be performed without the use of keys or tools.
- Easy to follow opening and release instructions appear on the vent arm. Note: The device will re-latch or reset automatically when window is in closed position.
- The SafeGard™ Limit Device's track, arm and rivet are made entirely of authentic stainless steel with Delran cover and tab.
- The SafeGard™ Limit Device is reliable, easy to install and easy to operate. This device meets today's more stringent safety requirements. Please consult local building codes for WOCD and applicable requirements.

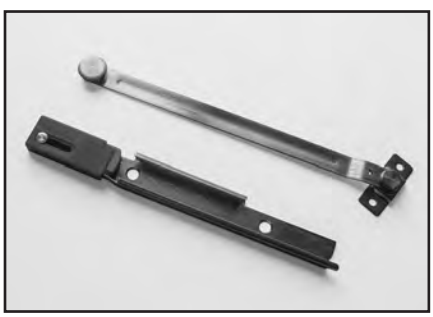
Part Number	Handing
39-933LH	LH
39-933RH	RH

Includes: Arm Assembly, Track Assembly, Template, Window Label, Screw Pack (4 screws) and Operating and Installation Instructions.

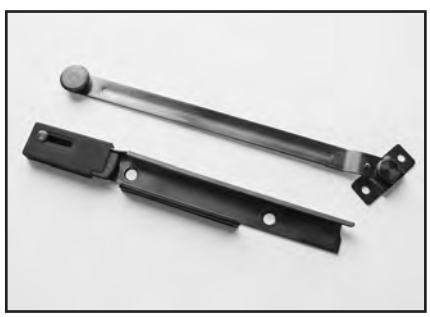
Ordering Instructions:

1. Determine window handing by viewing from the outside looking in. If the casement window hinge is on the right side, you need a right hand limiting device.
2. Confirm the hinge cavity on your casement window (See Fig. 2). The hinge cavity needs to be .719 (23/32") wide x .438 (7/16") deep.

Note: The SafeGard™ Limiting Control Device will only work in casement windows that have a standard 2-bar hinge cavity with measurements as stated above.



LH Arm



RH Arm

This Device is Not Designed for Awning Windows. This Device is Not Designed for Casement Windows with a 4-Bar Hinge.

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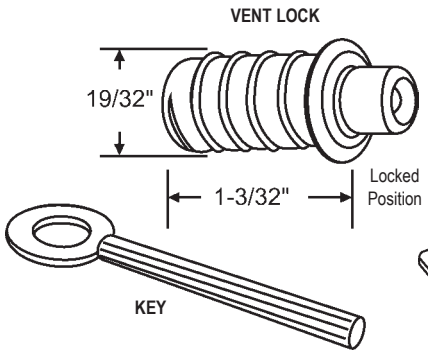
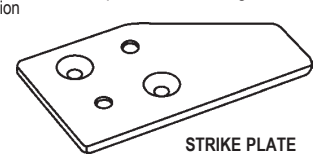
VENT LOCKS

Key Operated Vent Lock



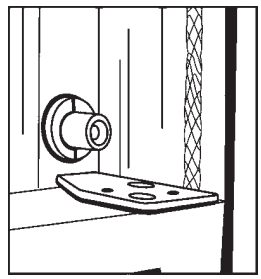
The new innovative **VENTLOCK** acts as a major deterrent to snatch thieves who spot what they consider is an easily opened window. Fitting is simple, just screw/insert it into the appropriate diameter drill hole. The special key which is supplied as part of the **VENTLOCK** system releases an inner barrel which prevents the window from being moved. The barrel revolves freely preventing it from being cut. The **VENTLOCK** is competitively priced against existing window locks. Each **VENTLOCK** includes a steel operation key and a brass strike plate for mounting on the lower sash check rail.



Part #	Finish
50-446	Solid Brass
50-446CH	Chrome

Vent Lock with Key and Strike
MIGHTON

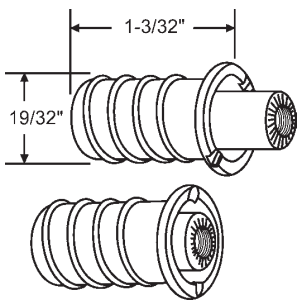
MEETS: ASTM F 2090 Standard Specification for Window Fall Prevention Devices With Emergency Escape (Egress) Release Mechanisms



Open Position Shown

Push and Twist Keyless Vent Lock

Finger Operated: Push and Turn with Your Finger



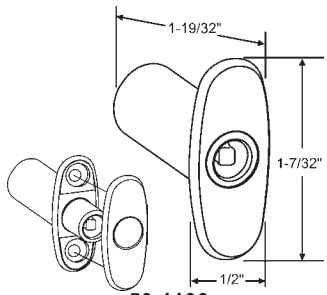
MEETS: ASTM F 2090 Standard Specification for Window Fall Prevention Devices With Emergency Escape (Egress) Release Mechanisms

The natural companion product to Key Operated Ventlocks. Use where Fire Egress may be of concern or above ground floor level.

Part #	Finish
50-1201CH	Chrome
50-1201BRS	Solid Brass

Push and Twist Ventlock. Solid Brass
MIGHTON

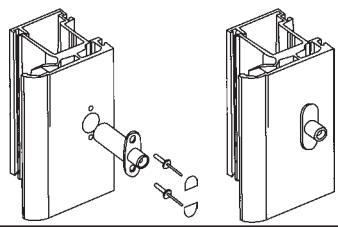
Brass Vent Lock for PVC Vinyl Windows

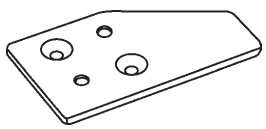


50-1106
Vent Lock for PVC Vinyl Windows
Includes Key
MIGHTON

Ventlock is Quick and Easy to Install

1. Drill Hole
2. Insert Ventlock
3. Drill Rivet Holes
4. POP Rivet Ventlock into the Sash
5. Conceal Rivets with Self Adhesive Trims





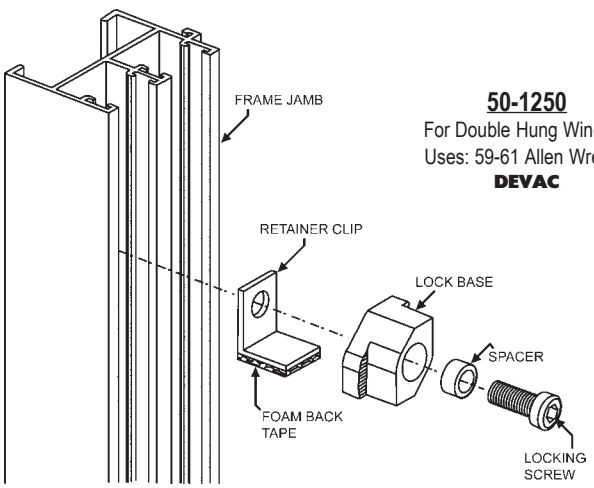
Part #	Finish
50-1105BRS	Solid Brass
50-1105CH	Chrome
50-1105SCH	Satin Chrome

Vent Lock Strike Plate Only
MIGHTON

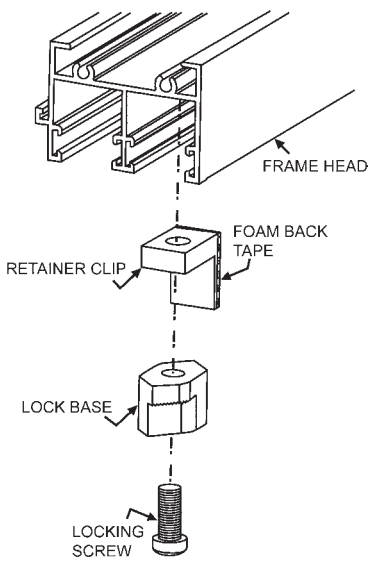
59-73M
Ventlock Hand Tool
MIGHTON

59-73
Ventlock Tool for Cordless Drill
MIGHTON

SASH RESTRICTER ASSEMBLY KIT



50-1250
For Double Hung Window.
Uses: 59-61 Allen Wrench
DEVAC

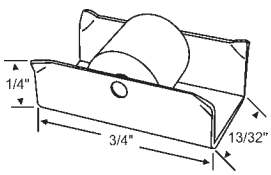


50-1253
For Sliding Window. Uses:
59-61 Allen Wrench
DEVAC

SLIDING WINDOW ROLLERS WITH METAL HOUSING

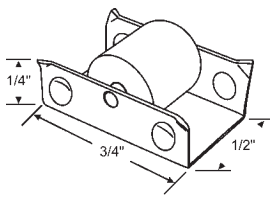
Sliding window rollers in order by roller diameter, length and width.

5/16"



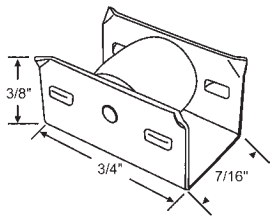
52-615
5/16" Dia. Nylon Wheel

11/32"



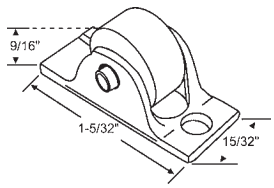
900-1278
11/32" Dia. x 3/8" Nylon Wheel

3/8"



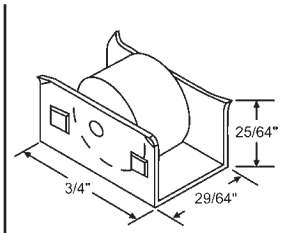
52-616
3/8" Dia. Nylon Wheel

29/64"



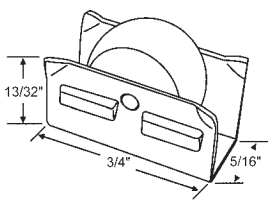
900-10027
29/64" Dia. Nylon Wheel with Die Cast Housing

15/32"

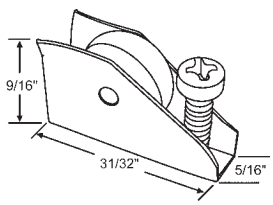


900-1285
15/32" Dia. Flat Nylon Wheel

1/2"

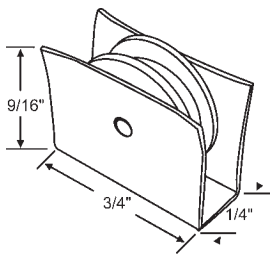


52-614
1/2" Dia. Nylon Wheel



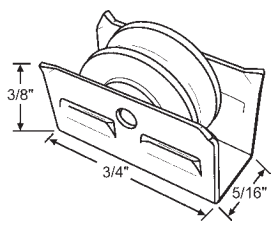
52-683
1/2" Dia. Nylon Wheel
CAPITOL

9/16"



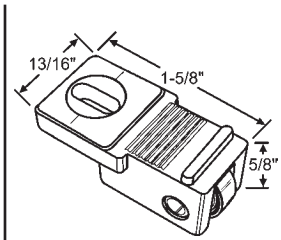
Part #	Description
52-613	Nylon Wheel
52-675	Metal Wheel

9/16" Wheel



Part #	Description
900-13091	Nylon Wheel
900-13091S	Steel Wheel

9/16" Wheel

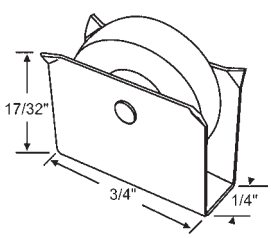


52-682
9/16" Dia. Metal Wheel with Die Cast Housing. Used with Plate 900-16252

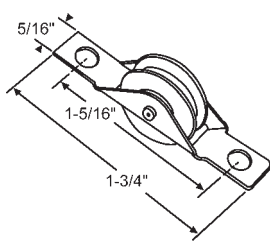
SLIDING WINDOW ROLLERS WITH PLASTIC HOUSING

Sliding window rollers in order by roller diameter, length and width.

5/8"

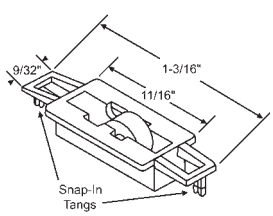


900-1290
5/8" Dia. Flat Nylon Wheel

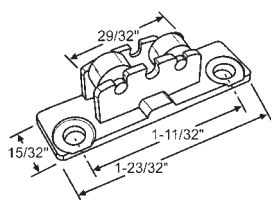


52-650
5/8" Dia. Nylon Wheel

9/32"

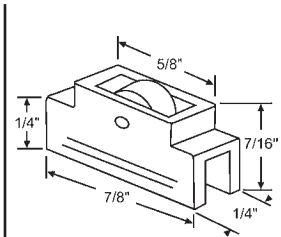


52-766
9/32" Dia. Metal Wheel

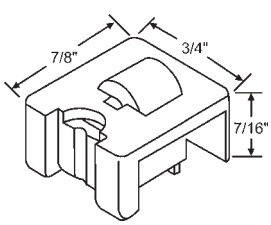


900-10193
Two 9/32" Dia. Aluminum Wheels Nylon Housing
GENERAL ALUMINUM

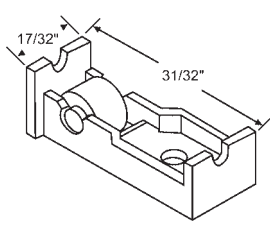
5/16"



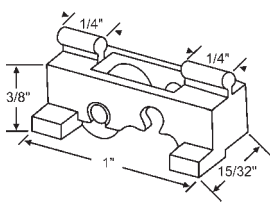
52-643
5/16" Dia. Metal Roller



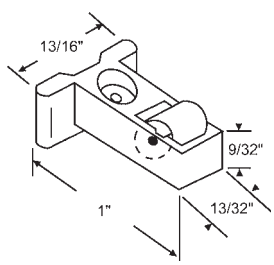
900-11416
5/16" Dia. Metal Wheel w/Fixed Axle



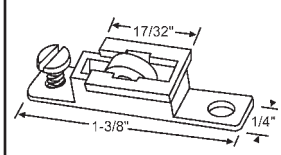
900-14615
5/16" Dia. Flat Nylon Wheel w/ Fixed Axle
KRESTMARK



900-22
5/16" Dia. Flat Metal Wheel w/Fixed Axle



52-638
5/16" Dia. Metal Wheel



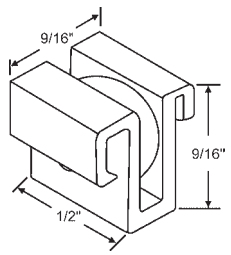
52-856
5/16" Dia. Flat Nylon Wheel White
ACORN

AZA SALES
TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

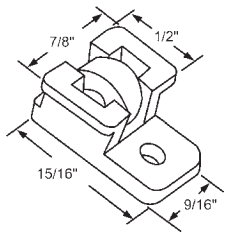
SLIDING WINDOW ROLLERS WITH PLASTIC HOUSING

Sliding window rollers in order by roller diameter, length and width.

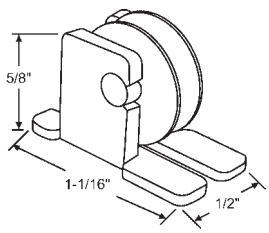
3/8"



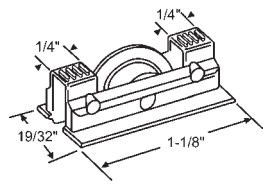
52-646
3/8" Dia. Nylon Wheel



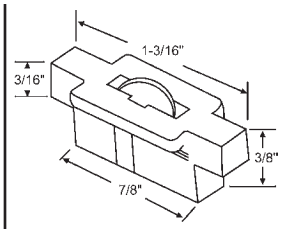
900-18013
3/8" Dia. Flat Metal Wheel w/Fixed Axle



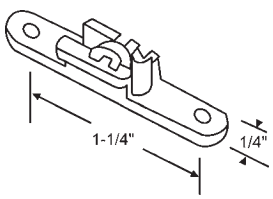
52-644
3/8" Dia. Metal Wheel
FULLVIEW



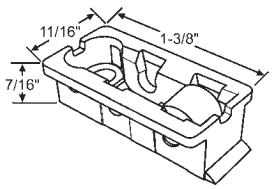
900-10784
3/8" Dia. Nylon Wheel with 1/2" Dia. Single Side Flange



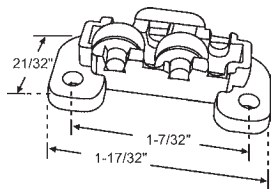
52-648
3/8" Dia. Metal Wheel



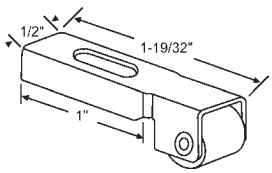
52-649
3/8" Dia. Metal Wheel



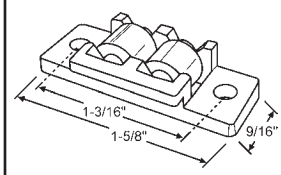
52-913
3/8" Dia. Brass Wheel Black Nylon



52-789
Two 3/8" Dia. Brass Wheels Black

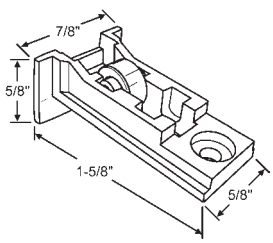


900-1064
3/8" Dia. Flat Nylon Wheel

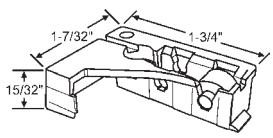


52-737
Two 3/8" Dia. Flat Steel Wheel

3/8"

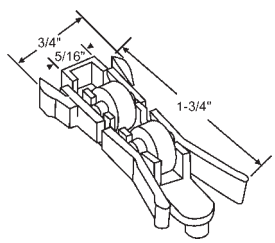


900-10606
White Nylon Housing with 3/8" Brass Wheel

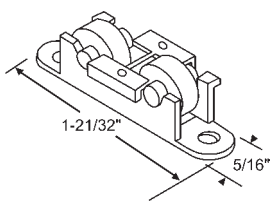


Part #	Hand
52-914LH	Shown
52-914RH	Opposite

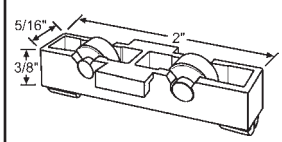
3/8" Dia. Brass Wheel Black Nylon



52-724
Two 3/8" Dia. Flat Brass Wheels w/Separate Axles
REYNOLDS

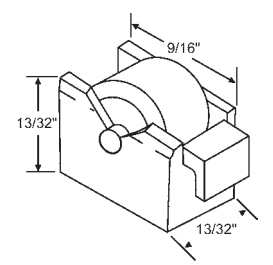


900-10419
Two 3/8" Dia. Nylon Wheels



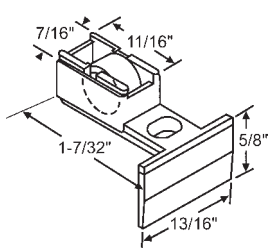
52-985
Two 3/8" Dia. Brass Wheels with Nylon Housing.
VIKING

25/64"



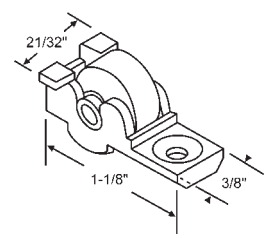
52-647
25/64" Dia. Metal Wheel

13/32"

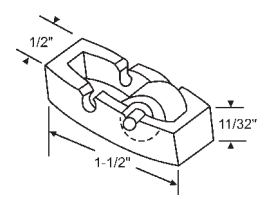


Part #	Description
900-9008	Nylon Wheel
900-9008M	Steel Wheel

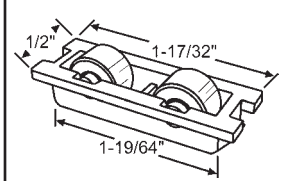
13/32" Dia. Flat Wheel w/Fixed Axle
PENNCO



900-9814
13/32" Dia. Nylon Wheel
PENNCO



52-629
13/32" Dia. Metal Wheel
CAPITOL

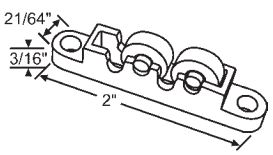


52-540
White Nylon Body w/ (2) 13/32" Brass Wheels
REHAU

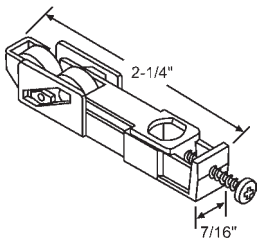
SLIDING WINDOW ROLLERS WITH PLASTIC HOUSING

Sliding window rollers in order by roller diameter, length and width.

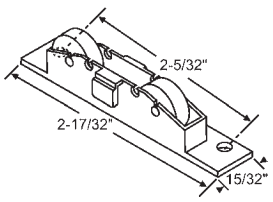
13/32"



52-722
Two 13/32" Dia. Flat Brass Wheels w/Separate Axles. White

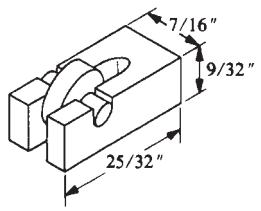


900-19102
Two 13/32" Dia. Wheels Black
RUSCO

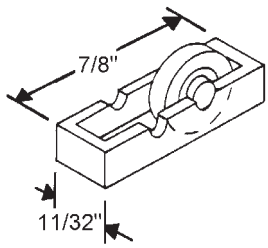


52-799
Two 13/32" Dia. Aluminum Wheels w/Fixed Axles

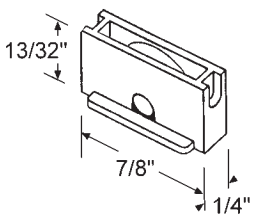
7/16"



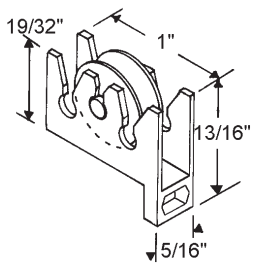
900-12009
7/16" Dia. Nylon Wheel



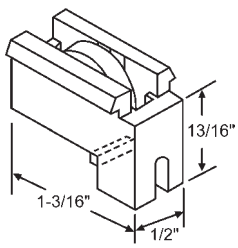
900-9860
7/16" Dia. Flat Metal Roller with Separate Axle



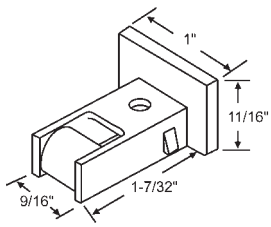
52-716
7/16" Flat Nylon Wheel
BETTER BILT



900-11290
7/16" Dia. Metal Wheel w/Fixed Axle
ALENCO

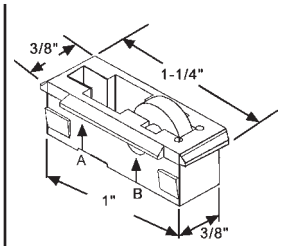


900-11944NS
7/16" Dia. Brass Wheel Projects 1/8" from Housing



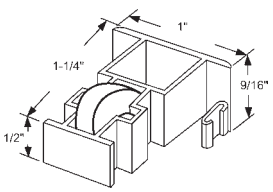
Part #	Description
52-686	Nylon Wheel
52-686M	Steel Wheel

7/16" Dia. Wheel
MEDALLION

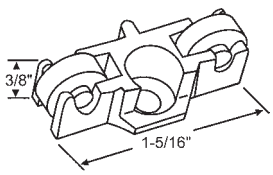


52-733
7/16" Dia. Flat Metal Wheel w/Separate Axles. Roller Projects 1/8" in Position "A" and 1/16" in Position "B".

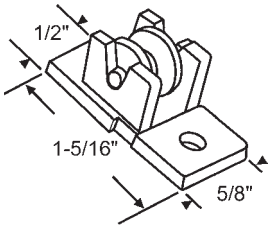
7/16"



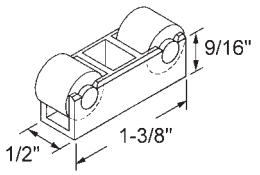
52-843
7/16" Dia. Metal Wheel
NU-AIR



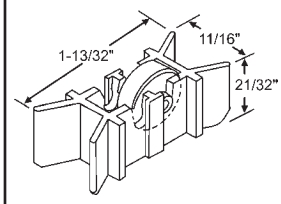
52-658
Two 7/16" Dia. Nylon Wheels



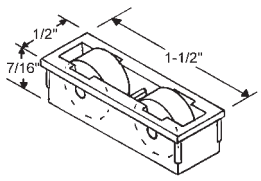
900-19965
7/16" Dia. x 5/16" Wide Concave Wheel w/Fixed Axle. White



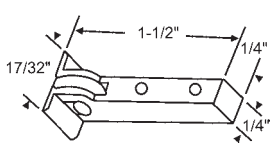
52-514
Two 7/16" Dia. Nylon Wheels



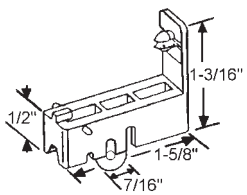
900-12993A
7/16" Dia. Flat Metal Wheel



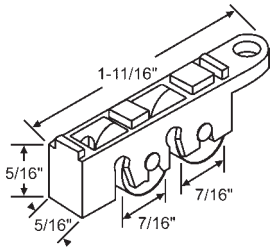
900-17801
Two 7/16" Dia. Brass Wheels
NORANDEX



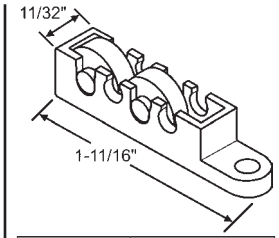
900-92
7/16" Dia. Flat Nylon Wheel
GUARANTEED



900-1067
7/16" Dia. Nylon Wheel



900-19941
Two 7/16" Dia. Brass Wheels w/Separate Axles



Part #	Description
900-15615	Brass Wheel
900-15615SS	Stainless Steel Wheel

Two 7/16" Dia. Wheels

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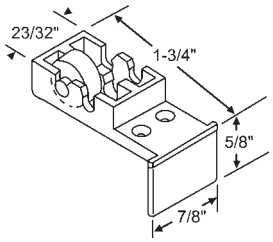
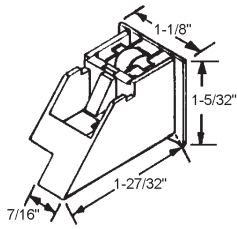
SLIDING WINDOW ROLLERS WITH PLASTIC HOUSING

Sliding window rollers in order by roller diameter, length and width.

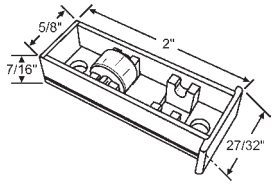
7/16"



52-690
7/16" Dia. Flat Wheel
w/Fixed Axle
CAPITOL

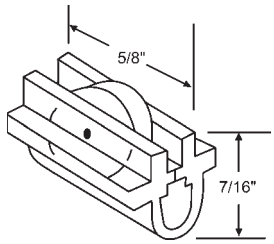


52-715A
RH/LH Set, Black
Two 7/16" Dia. Metal Wheels



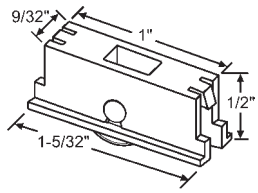
52-981
7/16" Brass Wheel
LAWSON

15/32"

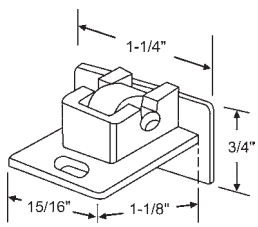


52-661
15/32" Dia. Nylon Wheel

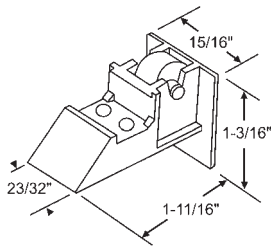
IDA



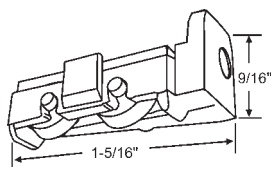
52-417
15/32" Dia. Brass Wheel
White Nylon Housing
ATRIUM



900-17797
15/32" Dia. x 1/4" Wide Flat Metal
Wheel w/Fixed Axle
Black

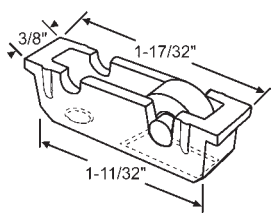


900-19580BA
15/32" Dia. Flat Metal Wheel
w/Fixed Axle. Black
NORANDEX

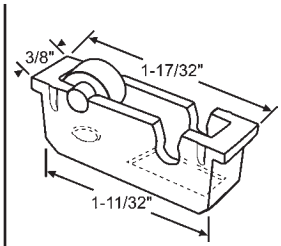


Part #	Hand
900-9391LHA	Shown
900-9391RHA	Opposite

Two 15/32" Dia. Brass Wheel
ACORN

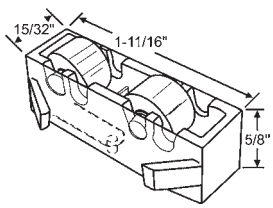


52-823
15/32" Metal Roller w/ Stainless
Steel Axle. Nylon Body

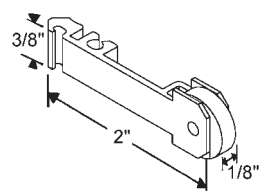


52-823L
15/32" Steel Wheel with Nylon
Body. Wheel in Lower Position

31/64"

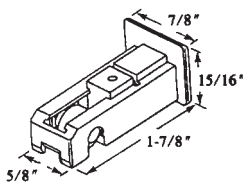


52-533
15/32" Dia. Brass Wheel



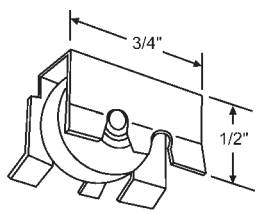
Part #	Description
52-778	Brass Plated Wheel

15/32" Dia. Wheel

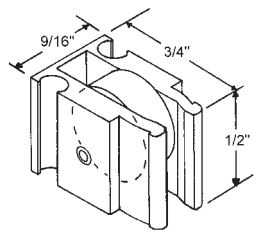


52-695
31/64" Dia. Nylon Wheel

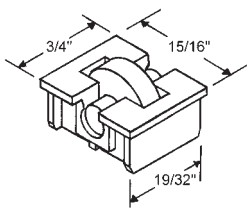
1/2"



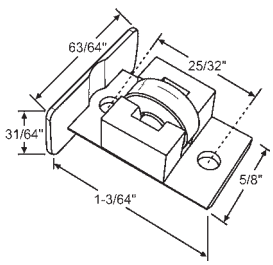
900-14936
1/2" Dia. Metal Wheel



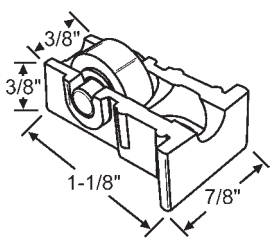
900-12179
1/2" Dia. Flat Steel Wheel



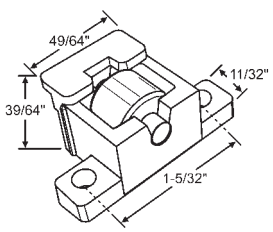
52-718
1/2" Dia. Flat Wheel w/Fixed Axle



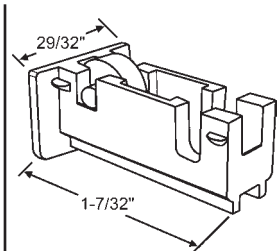
52-882
Nylon Housing w/ 1/2" Dia.
Brass Wheel
MILESTONE/ FLORIDA
EXTRUDERS



52-517
1/2" Steel Wheel. Black



52-781MA
1/2" Brass Roller

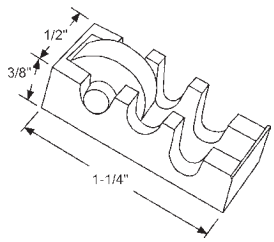


900-10420
1/2" Dia. Brass Wheel

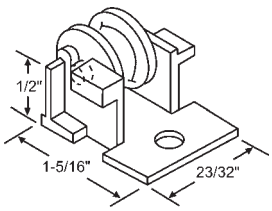
SLIDING WINDOW ROLLERS WITH PLASTIC HOUSING

Sliding window rollers in order by roller diameter, length and width.

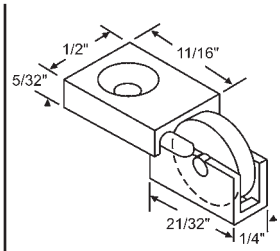
1/2"



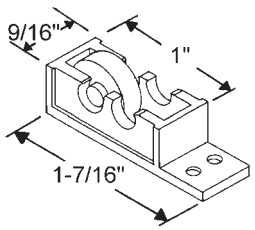
900-8995
1/2" Dia. Flat Metal Wheel w/ Separate Axle



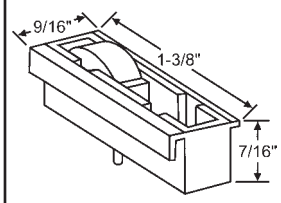
900-10454
1/2" Dia. Metal Wheel w/Separate Axle
KRESTMARK



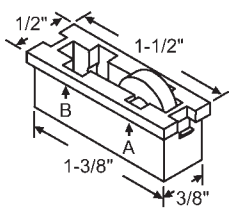
900-8212
1/2" Dia. Flat Nylon Wheel w/Fixed Axle
KELLER/ACORN



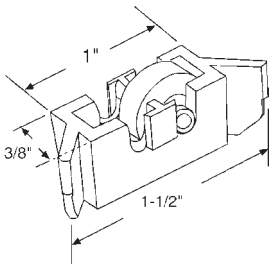
52-712
1/2" Dia. Flat Metal Wheel w/Fixed Axle



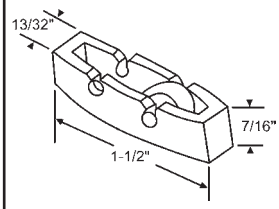
52-938
1/2" Dia. Brass Wheel
KELLER/PGT



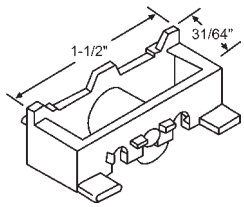
52-859
Black Housing with 1/2" Dia. Flat Brass Wheel. Roller Projects 3/32" in Position "A" and 5/32" in Position "B".



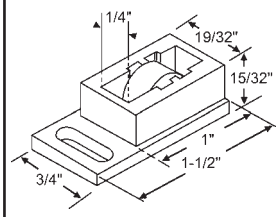
900-12857
1/2" Dia. Brass Wheel w/Separate Axle



52-632A
1/2" Dia. Aluminum Wheel and Axle
CAPITOL

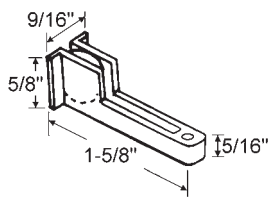


52-684
1/2" Dia. Nylon Wheel
CHAMBERLAIN

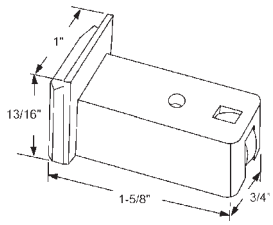


Part #	Description
900-1293	Flat Metal Wheel
900-1293A	Flat Brass Wheel

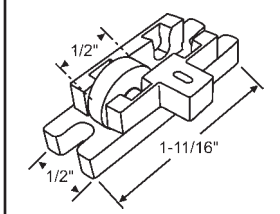
1/2" Dia. Wheel



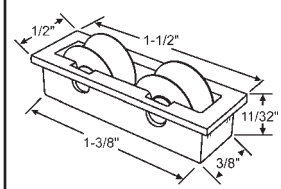
52-790
1/2" Dia. Flat Nylon Wheel



900-10423
1/2" Flat Metal Wheel with Fixed Axle. Black
MILLER

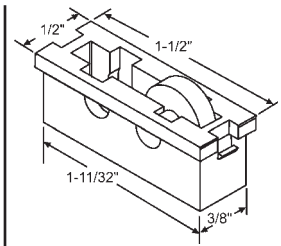


900-20288
1/2" Dia. Brass Roller. Black Roller Only: 900-20288R
ROLLYSON 500 SERIES

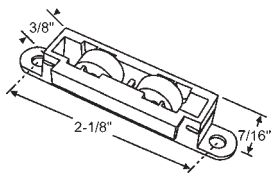


Part #	Description
52-546	Brass Wheel
52-546N	Nylon Wheel
52-546SS	Stainless Steel Wheel

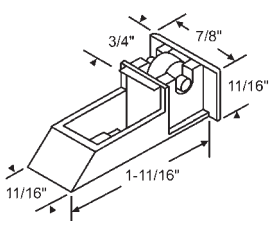
Two 1/2" Dia. Wheels



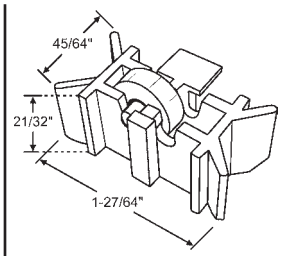
52-826
1/2" Dia. Fixed Axle Metal Rollers Rollers Project 3/32" from Edge of Housing. White Housing with 1 Roller
SILVER LINE



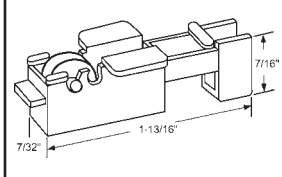
52-937
Two 1/2" Dia. Brass Wheels Nylon Body



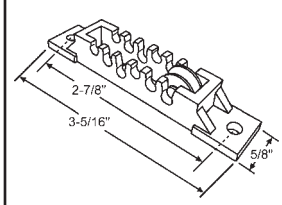
900-16704
1/2" Dia. Flat Metal Wheel Black



900-20955
White Nylon Housing with 1/2" Dia. Steel Wheel
ALENCO



52-807
1/2" Dia. Wheel
ACORN



52-534
1/2" Dia. Nylon Wheel

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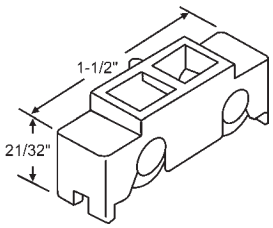
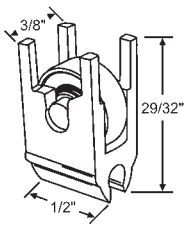
SLIDING WINDOW ROLLERS WITH PLASTIC HOUSING

Sliding window rollers in order by roller diameter, length and width.

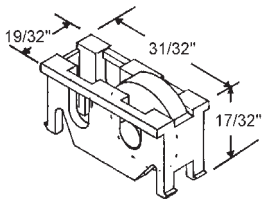
33/64" **17/32"**



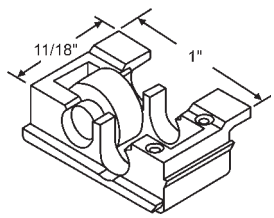
52-689
Two 33/64" Dia. Nylon Wheels
GALLATIN



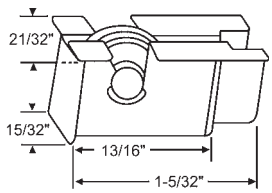
52-732
17/32" Dia. Steel Wheel
Nylon Body



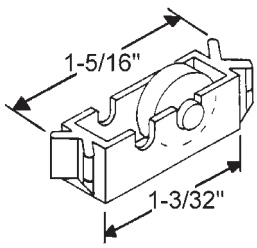
900-8996
17/32" Dia. Metal Wheel
SULLIVAN



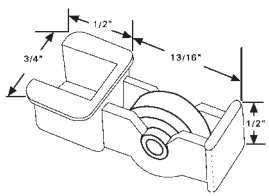
52-713
17/32" Dia. Flat Wheel
CAPITOL



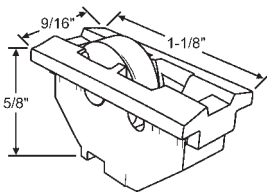
52-707
17/32" Dia. Metal Wheel
REYNOLDS



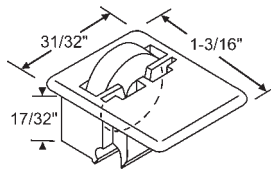
900-10293
17/32" Dia. Flat Metal Wheel
w/Separate Axle



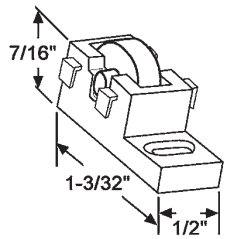
900-9765
17/32" Dia. Flat Ball Bearing
Wheel w/Fixed Axle



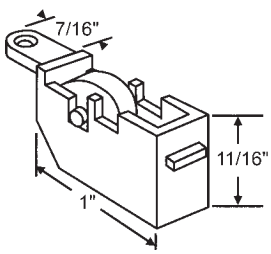
52-301
17/32" Dia. Brass Wheel
Nylon Housing
SEASONSHIELD



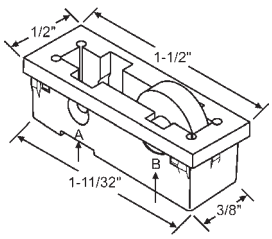
900-10192
17/32" Dia. Flat Metal Wheel
w/Separate Axle



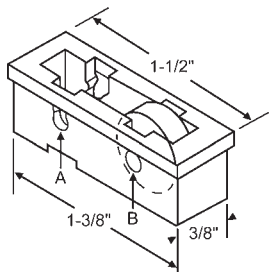
900-20289
17/32" Dia. Flat Metal Wheel w/
Separate Axle
ROLLYSON



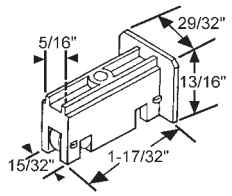
52-536
17/32" Brass Wheel
KENSINGTON



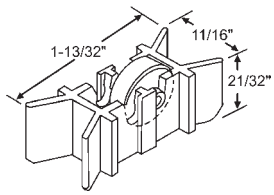
52-411
17/32" Dia. Metal Wheel with
Separate Axle. Roller Projects
1/32" in Position "A" and 1/8" in
Position "B".
ACORN



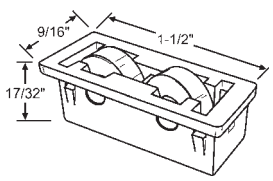
900-12609
17/32" Dia. Wheel
Roller Projects 1/16" in Position
"A" and 3/32" in Position "B".



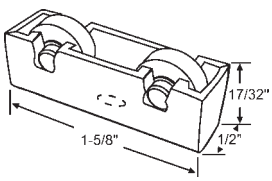
900-20286
17/32" Dia. Flat Ball Bearing
Wheel w/Fixed Axle



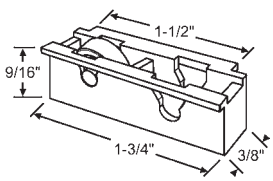
900-12993
17/32" Dia. Wheel



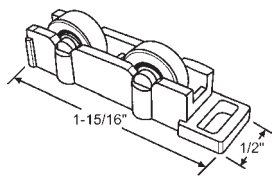
52-934
Two 17/32" Dia. Brass Wheels



900-11791
Two 17/32" Dia. Metal Wheel
KELLER

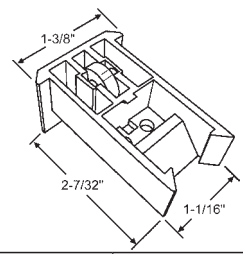


900-11564
17/32" Dia. Steel Ball
Bearing Wheel'
TRACO



Part #	Description
52-731	Brass Wheel
52-731SS	Stainless Steel Wheel

Two 17/32" Dia. Wheels



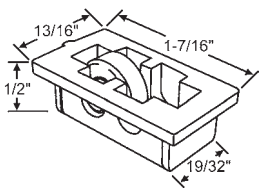
Part #	Description
900-22185	Black Housing
900-22185W	White Housing

17/32" Dia. Brass Wheel
and Axle.

SLIDING WINDOW ROLLERS WITH PLASTIC HOUSING

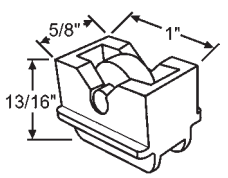
Sliding window rollers in order by roller diameter, length and width.

17/32"



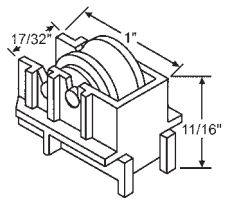
52-676
17/32" Dia. Metal Wheel
ACORN

35/64"

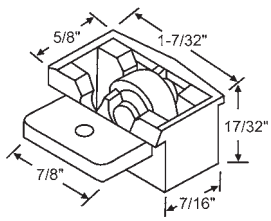


52-1137
White Nylon
35/64" Wheel Size

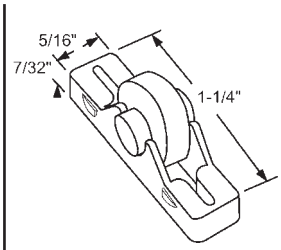
9/16"



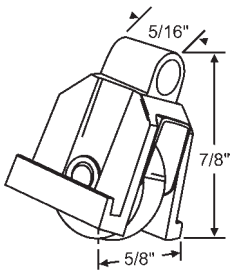
900-11993R
9/16" Dia. Brass Wheel



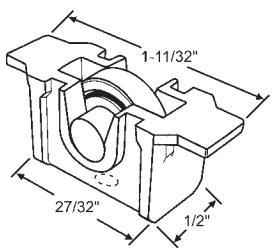
900-10416
9/16" Dia. Steel Ball
Bearing Wheel



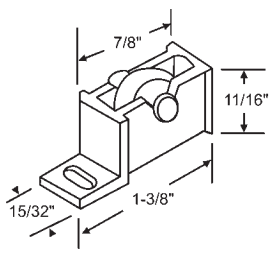
52-728
9/16" Dia. Brass Wheel with
Stainless Steel Axle



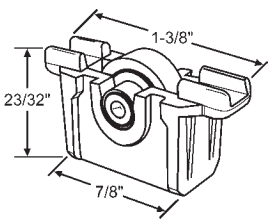
52-931
9/16" Stainless Steel Flat Wheel



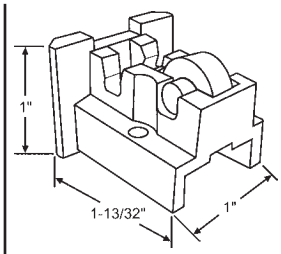
52-553
9/16" Dia. Steel Ball
Bearing Wheel.



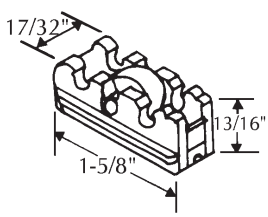
52-680
9/16" Dia. Nylon Wheel
REYNOLDS



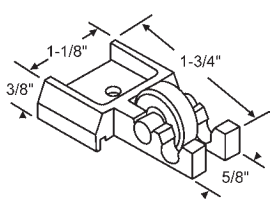
900-19996
9/16" Dia. Steel Ball
Bearing Wheel.



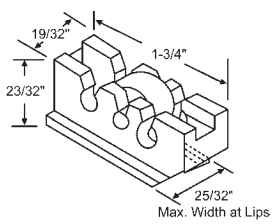
52-535
9/16" Dia. Brass Wheel. Black



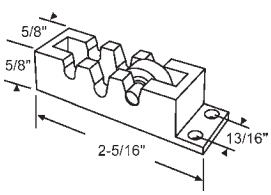
52-625OLD
9/16" Metal Ball Bearing Wheel



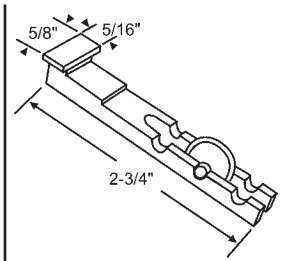
900-8512A
9/16" Dia. Flat Metal Wheel
w/Separate Axle
CAPITOL



52-622
9/16" Dia. Metal Wheel
CAPITOL

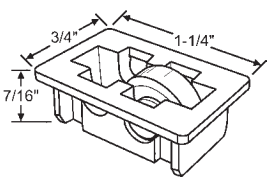


52-808
9/16" Dia. Flat Metal Wheel
w/Separate Axle
CAPITOL



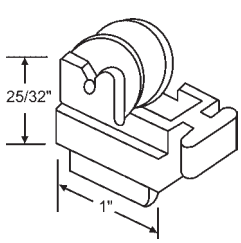
900-8423
9/16" Dia. Nylon Convex Wheel
w/Fixed Axle

19/32"



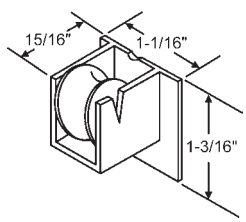
Part #	Wheel Size
900-12811	9/16"
900-12811HD	5/8"

Metal Ball Bearing Wheel



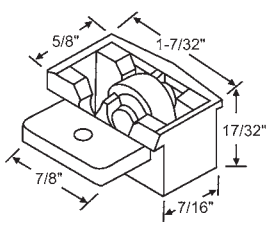
52-642
19/32" Dia. Metal Wheel

5/8"

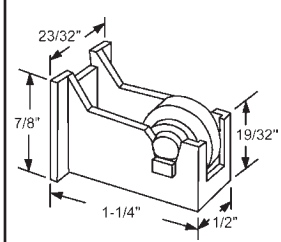


Part #	Hand
52-699LH	Shown
52-699RH	Opposite

5/8" Dia. Metal Wheel
w/Separate Axle



900-10416NS
5/8" Dia. Steel
Ball Bearing Wheel



52-685
5/8" Flat Metal Wheel with
Separate Axle
CROWN/PINO

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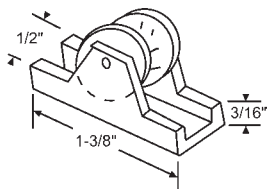
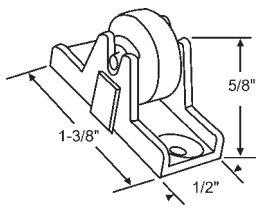
SLIDING WINDOW ROLLERS WITH PLASTIC HOUSING

Sliding window rollers in order by roller diameter, length and width.

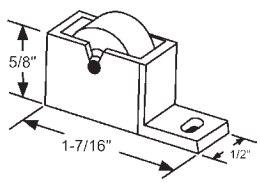
5/8"



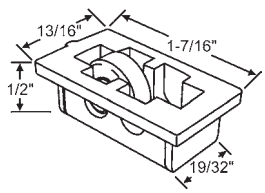
52-671
5/8" Dia. Metal Wheel
ROLLYSON



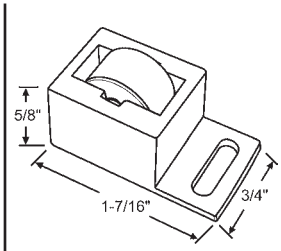
900-68
5/8" Dia. Flat Steel Wheel w/Separate Axle



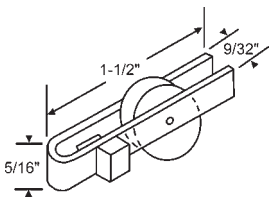
900-1295
5/8" Dia. Flat Brass Wheel w/Separate Stainless Steel Axle



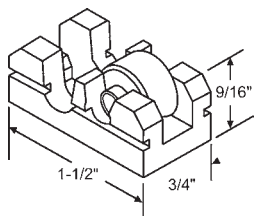
52-676HD
5/8" Dia. Ball Bearing Metal Wheel
ACORN



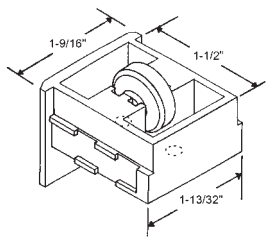
900-1296
5/8" Dia. Brass Wheel. Stainless Steel Axle



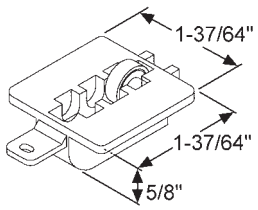
52-626
5/8" Dia. Nylon Wheel



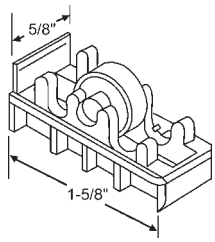
900-20066A
5/8" Dia. Metal Wheel



52-714
Cam and Roller Assembly
5/8" Dia. Ball Bearing Wheel

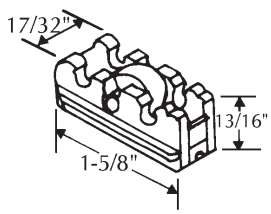


52-805
5/8" Dia. Flat Metal Ball Bearing Wheel w/Fixed Axles
ACORN

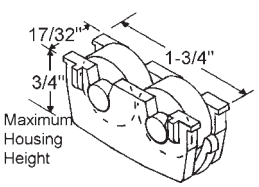


Part #	Color
900-8245A	Black
900-8245WA	White

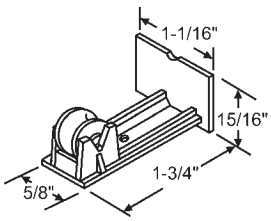
5/8" Dia. Ball Bearing Metal Wheel
ACORN



52-625OLD-BB
5/8" Dia. Steel Ball Bearing Wheel

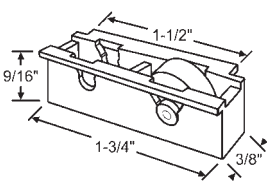


900-1797A
Two 5/8" Dia. Metal Wheels White
SEASONALL

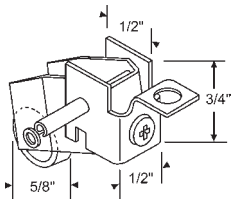


Part #	Hand
52-702	Shown
52-701	Opposite

5/8" Dia. Metal Wheel with Separate Axle
ALSCO/SUGARCREEK

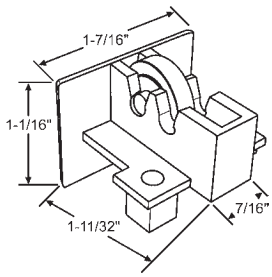


52-982A
5/8" Dia. Steel Ball Bearing Wheel
TRACO



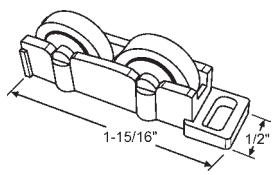
900-13358
5/8" Dia. Flat Ball Bearing Steel Wheel

11/16"



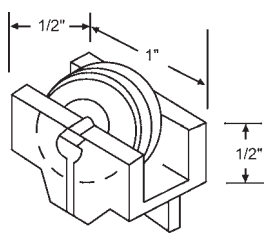
Part #	Color
900-16113	Black
900-16113W	White

11/16" Dia. Flat Ball Bearing Wheel and Fixed Axle

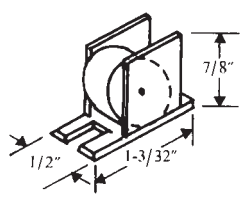


52-946
11/16" Dual Brass Wheels

23/32"

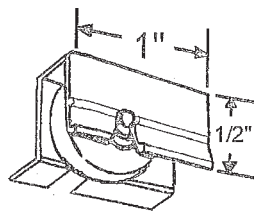


52-609
23/32" Dia. Flat Nylon Wheel
CROSSLY



52-623
23/32" Dia. Nylon Wheel

3/4"

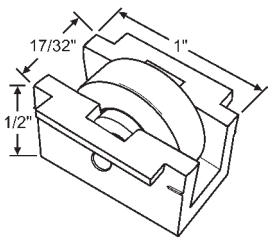


52-694
3/4" Dia. Flat Nylon Ball Bearing Wheel
PREMIERE

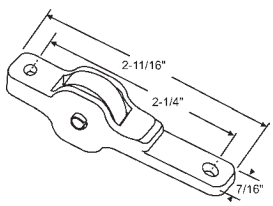
SLIDING WINDOW ROLLERS WITH PLASTIC HOUSING

Sliding window rollers in order by roller diameter, length and width.

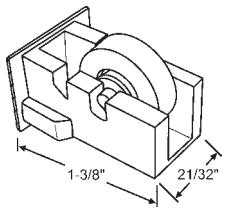
3/4"



52-321N
3/4" Dia. Flat Nylon Ball Bearing Wheel. Black



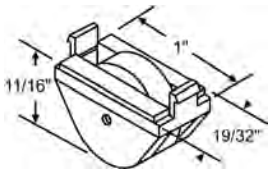
900-20814
3/4" Dia. Flat Nylon Wheel



Part #	Description
52-950	Nylon Wheel
52-950BRS	Brass Wheel

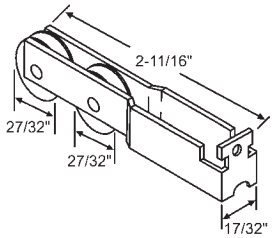
3/4" Dia. Wheel
SECURITY

25/32"



900-17156
25/32" Dia. Wheel

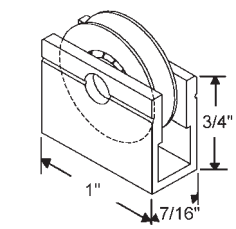
27/32"



52-738SS
27/32" Stainless Steel Wheel
EFCO

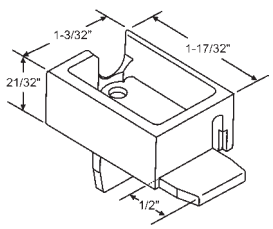
CORNER BLOCK

7/8"



Part #	Description
900-10693	Nylon Wheel
900-10693M	Steel Wheel

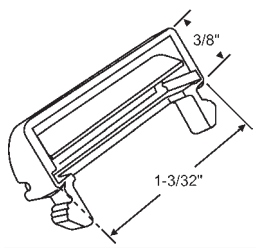
7/8" Dia. Wheel



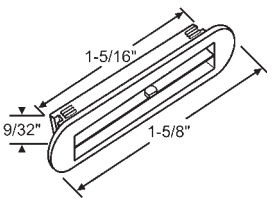
Part #	Hand
900-1878LHW	Shown
900-1878RHW	Opposite

Corner Block. White
REYNOLDS

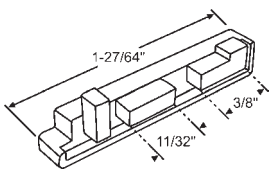
WEEP COVERS



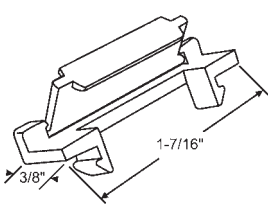
Part #	Color
900-20137	White
900-20137BE	Beige



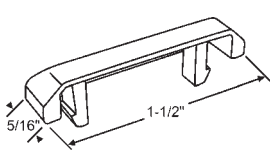
85-1133ABG
Bronze
PGT



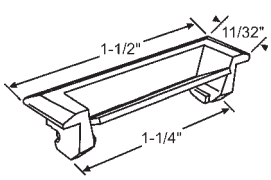
900-2478
White



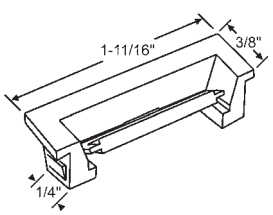
Part #	Color
900-17790W	White
900-17790	Beige
900-17790BL	Black



85-879W
White

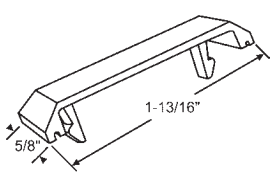


Part #	Color
85-742BG	Beige
85-742W	White



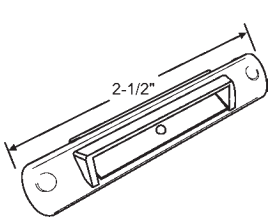
Part #	Color
85-730	Beige
85-730BW	Blue White
85-730WW	Warm White

ACORN

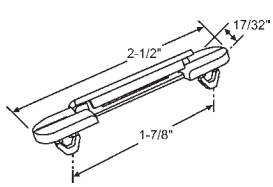


Part #	Color
900-19761	Beige
900-19761W	White

VINYL BUILDING PRODUCTS

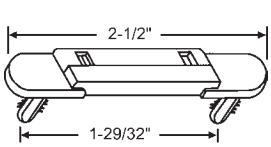


52-989
White
PGT



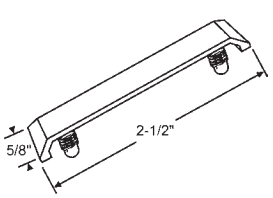
Part #	Color
60-711	White
60-711B	Black
60-711BE	Beige

BETTER-BILT

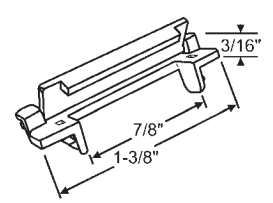


Part #	Color
900-19413W	Bright White
900-19413BG	Beige
900-19413B	Black
900-19413BR	Brown

ROLLYSON/NORANDEX



Part #	Color
900-21193	Beige
900-21193B	Black
900-21193W	White



Part #	Color
900-19417	Tan
900-19417BZ	Bronze

PGT

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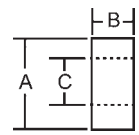
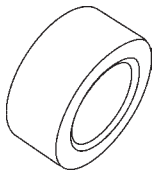
SLIDING WINDOW WHEELS

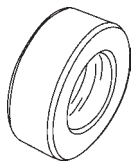
Roller Diagram





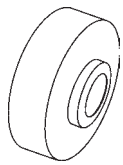
52-693		
A	B	C
7/16"	3/16"	1/4"

Flat Metal



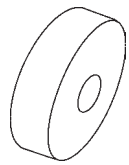
52-619		
A	B	C
9/16"	7/32"	5/16"

Brass



52-683R				
A	B	C	D	E
1/2"	5/32"	1/8"	1/32"	15/64"

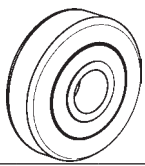
Nylon



52-634		
A	B	C
17/32"	9/64"	1/8"

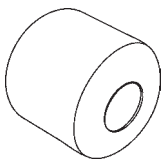
Nylon

SLIDING WINDOW WHEELS WITH FIXED AXLE



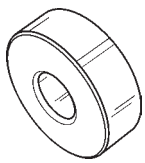
900-10189		
A	B	C
9/16"	13/16"	3/16"

Steel Ball Bearing Wheel



900-5704		
A	B	C
7/16"	7/16"	3/16"

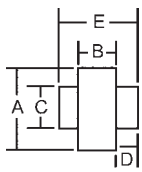
White Nylon with Molded Axle

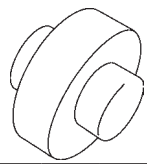


900-20288R		
A	B	C
17/32"	3/16"	3/16"

Brass

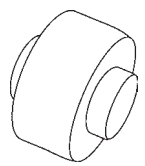
Roller Diagram





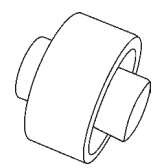
900-8618				
A	B	C	D	E
9/32"	3/32"	5/32"	1/16"	7/32"

Nylon Vent



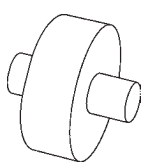
900-10418				
A	B	C	D	E
3/8"	3/16"	3/16"	1/16"	5/16"

Nylon



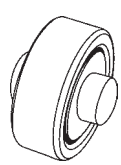
900-9814W			
A	B	C	E
25/64"	3/16"	3/16"	3/8"

Nylon with Offset Axle



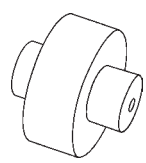
900-2041				
A	B	C	D	E
7/16"	5/32"	1/8"	1/8"	13/32"

Nylon



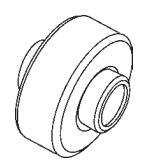
900-9764				
A	B	C	D	E
17/32"	3/16"	3/16"	3/32"	3/8"

Steel with Ball Bearings



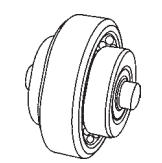
52-679				
A	B	C	D	E
9/16"	1/4"	1/4"	1/8"	1/2"

Nylon



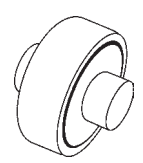
11-147				
A	B	C	D	E
9/16"	7/32"	1/4"	9/64"	7/16"

Steel with Ball Bearings



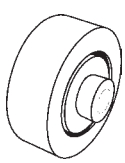
900-15444A				
A	B	E	H	I
5/8"	3/16"	3/8"	1/2"	1/8"

Steel with Ball Bearings



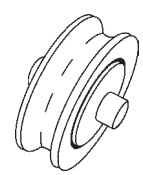
900-9564				
A	B	C	D	E
5/8"	1/4"	1/4"	1/8"	1/2"

Steel with Ball Bearings
ACORN



52-982				
A	B	C	D	E
5/8"	7/32"	3/16"	3/32"	3/8"

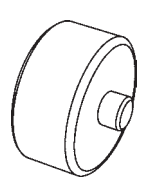
Steel with Ball Bearings
PAN AM



52-703R				
A	B	C	D	E
3/4"	1/4"	5/32"	3/32"	1/2"

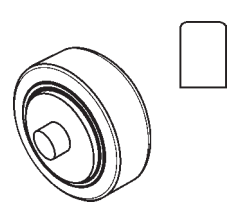
Concave Nylon with Steel Hub and Ball Bearings

SLIDING WINDOW WHEELS WITH AXLE



52-937W				
A	B	C	D	E
1/2"	1/4"	1/8"	1/16"	3/8"

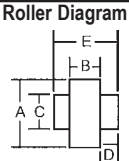
Brass
PGT



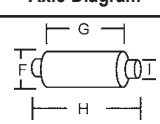
11-229				
A	C	D	H	I
23/32"	5/16"	1/4"	1/2"	5/32"

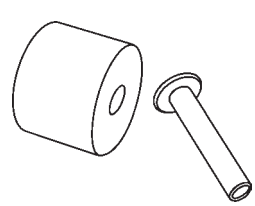
Nylon Ball Bearing with Axle

Roller Diagram



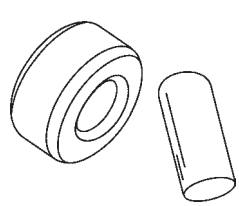
Axle Diagram





52-653				
A	B	C	H	I
3/8"	9/32"	3/32"	19/32"	3/32"

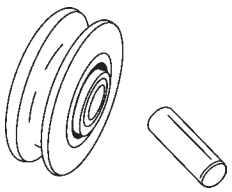
Nylon with Aluminum Axle



52-628				
A	B	C	F	H
29/64"	7/32"	3/16"	3/16"	1/2"

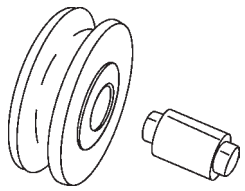
Steel

SLIDING WINDOW WHEELS WITH AXLE



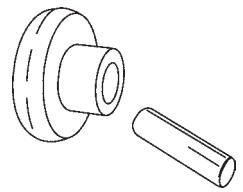
52-651					
A	B	C	E	F	H
5/8"	13/64"	1/8"	1/4"	1/8"	3/8"

Ball Bearing Roller with Axle



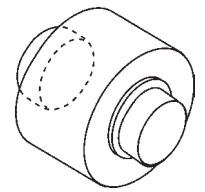
52-652							
A	B	C	E	F	G	H	I
5/8"	13/64"	3/16"	7/32"	3/16"	1/4"	3/8"	1/8"

Nylon Roller with Metal Axle



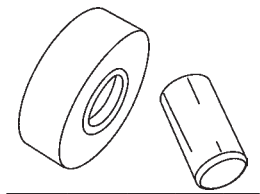
52-610					
A	B	C	D	H	I
1/2"	1/8"	1/8"	5/32"	13/32"	1/64"

Nylon with Steel Axle



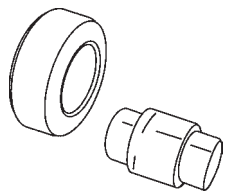
52-688				
F	G	I	D	H
1/2"	9/32"	1/4"	1/16"	27/64"

Nylon



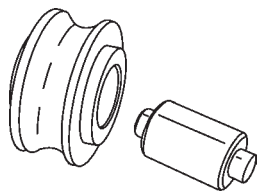
900-11791W				
A	B	C	D	E
17/32"	13/64"	3/16"	3/32"	3/8"

Steel



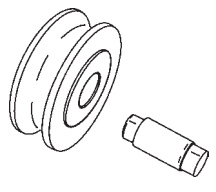
52-621						
A	B	C	F	G	H	I
9/16"	1/4"	1/4"	5/16"	1/4"	1/2"	1/4"

Aluminum with Steel Axle



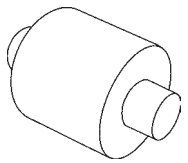
52-700							
A	B	C	E	F	G	H	I
19/32"	3/8"	1/4"	23/64"	1/4"	3/8"	1/2"	1/8"

Concave Metal. Axle Included



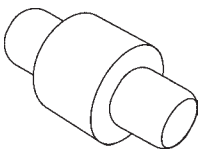
52-703RNEW							
A	B	C	E	F	G	H	I
3/4"	1/4"	3/16"	3/16"	3/16"	5/16"	1/2"	5/32"

Nylon with Brass Axle



900-11416R				
F	G	I	D	H
5/16"	19/64"	1/8"	3/32"	15/32"

Steel

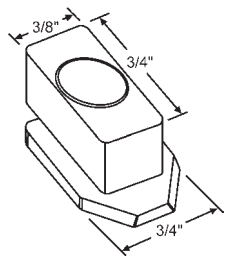


900-8952				
F	G	I	D	H
5/16"	1/4"	13/64"	3/16"	21/32"

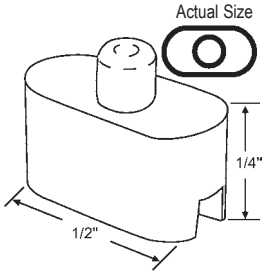
Steel

STORM CAM LATCH

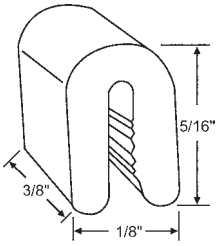
SLIDER GUIDES



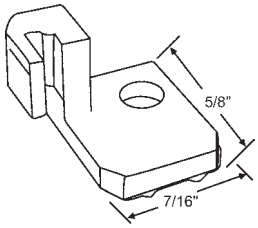
52-868
ACORN 2330 SERIES



52-668
ADOR HILTE

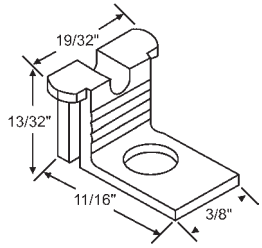


52-725
ACORN

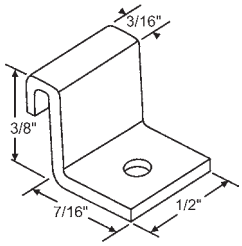


Part #	Hand
900-9556RH	Shown
900-9556LH	Opposite

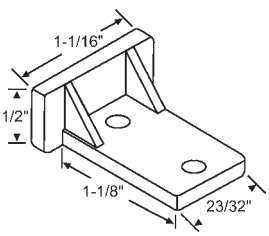
ACORN



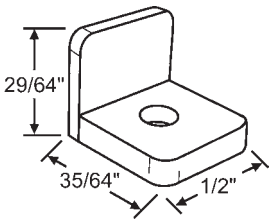
900-5215
KING



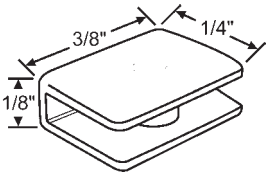
900-8380
KELLER/AIRCONTROL



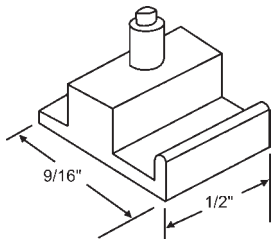
900-5159



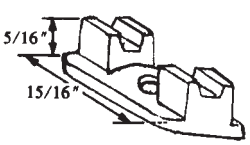
900-17365
White



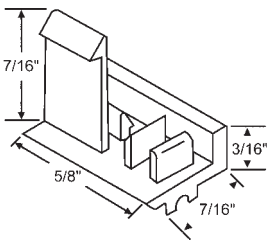
52-814
Nylon Guide
PAN AM



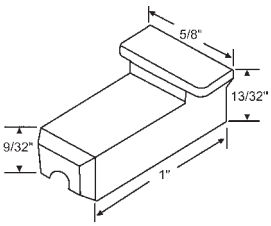
52-669



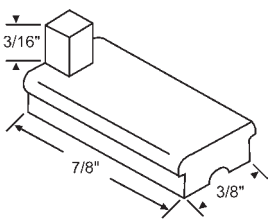
900-5766



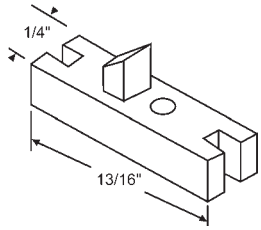
52-636
RH Storm Slider



52-639



900-15187



900-5593
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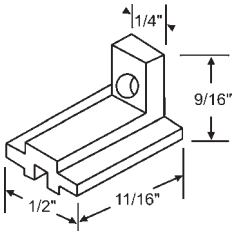
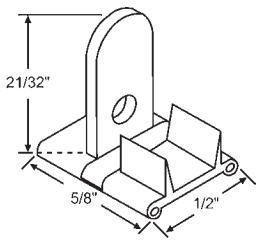
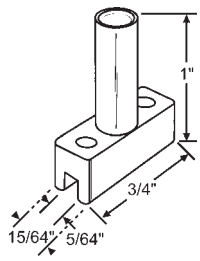
SLIDER GUIDES



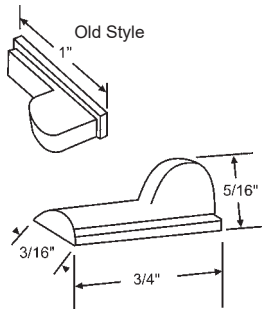
52-674



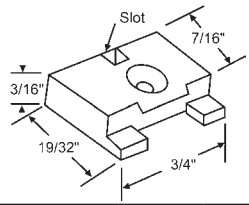
900-11181
Black



900-6116
White

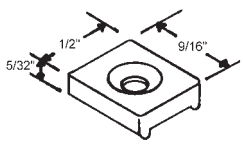


900-6902
CROSSLY/LUMIDOR

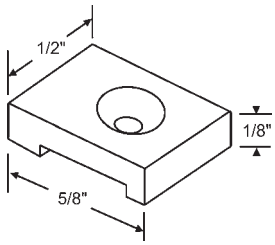


Part #	Color	Slot
52-673	Natural	Yes
52-673B	Black	Yes
52-673OLD	Natural	No
52-673B-OLD	Black	No

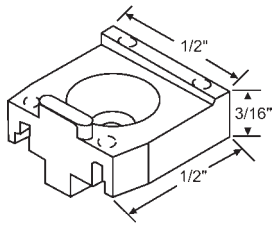
Nylon. Screws Sold Separately #20-416
CROWN



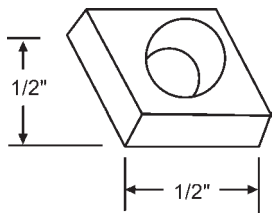
900-1624
Nylon
KELLER



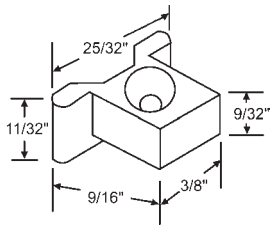
52-677
Nylon
REYNOLDS



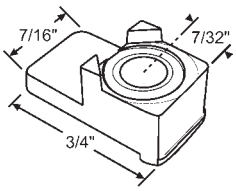
900-20307B
Black



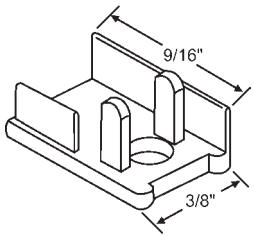
52-635
Insert Retainer



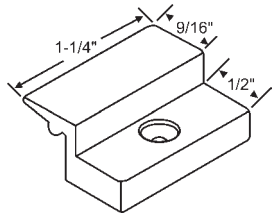
52-602
KELLER



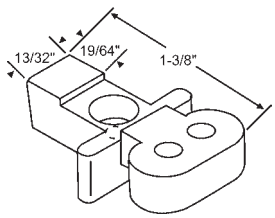
900-6901
Nylon Face Guide. Black
ATRIUM/PHILIPS



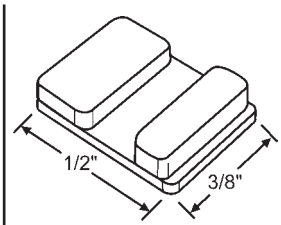
900-20104
Interlock Cap
BETTER-BILT



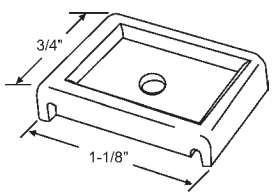
Part #	Color
900-15598	Black
900-15598W	White



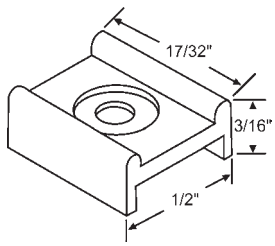
900-14207



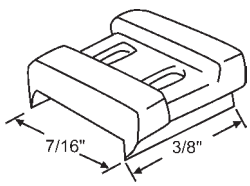
900-5884
White



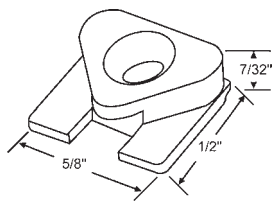
900-11537
Rail Slide



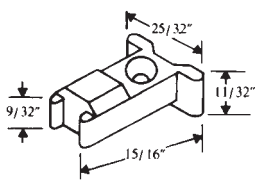
900-5613



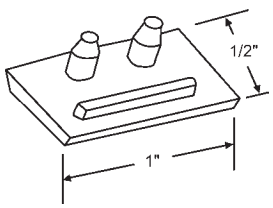
900-21136
CAPITOL



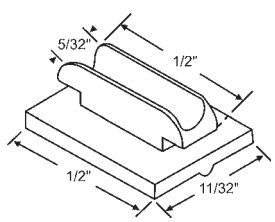
52-818
Slider Guide



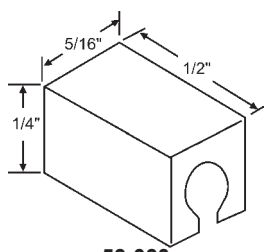
52-601
KELLER



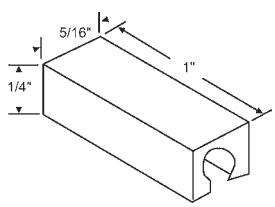
52-664
CROSSLY



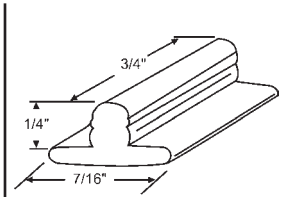
52-665
Insert for 52-667



52-828
Nylon Spacer, Black
ACORN

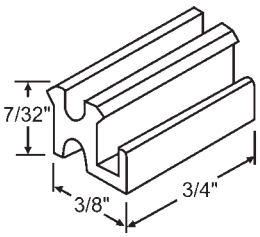


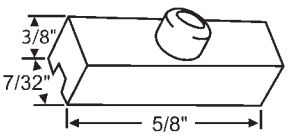
52-829
Nylon Spacer, Black
ACORN



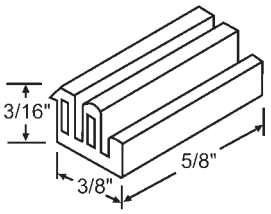
52-706

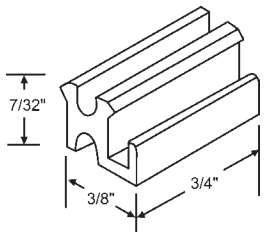
SLIDER GUIDES



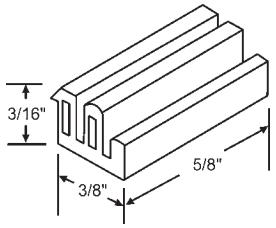


52-720
Repair Kit (2 of each)
ALENCO

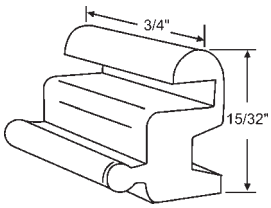




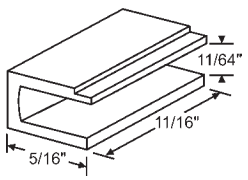
52-608
ALENCO



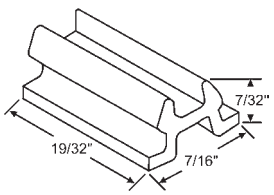
52-670
Nylon
ALENCO



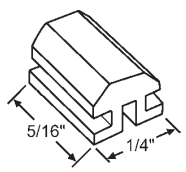
52-845



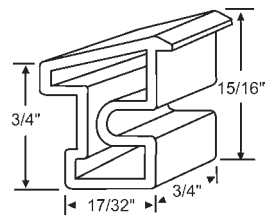
900-6894
Sash Guide



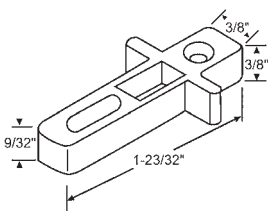
900-1105
Gray



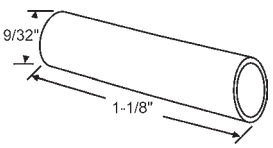
52-846
White
PAN AM/BINNINGS



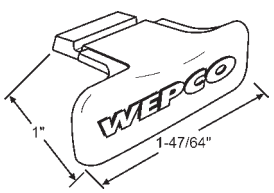
52-7000
Sash Lift Stop. Black
ACORN



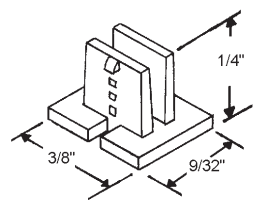
52-600



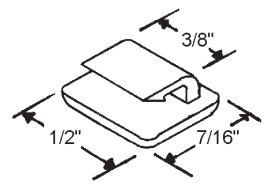
52-633
Slider Pressure Tubes



900-5976
White

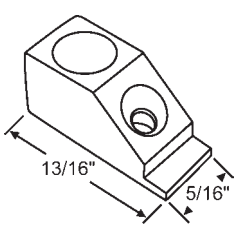


900-5422
Nylon



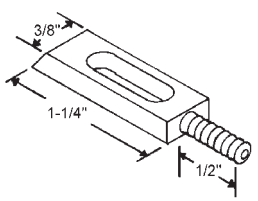
900-5598
Nylon

PIVOT SHOE



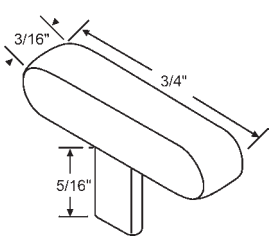
900-5749
Nylon
MALTA

SLIDE BOLT



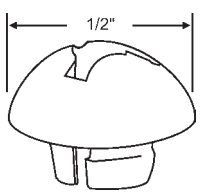
900-1888
White Plastic

ANTI-RATTLE PLUG

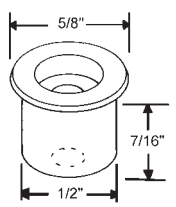


900-2405
Anti-Rattle Plug

GUIDE BUTTON



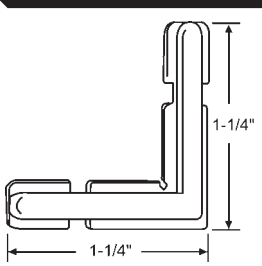
900-9195
CAPITOL



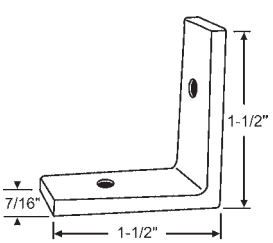
Part #	Color
900-20046BG	Beige
900-20046	White

Reinforcing Button

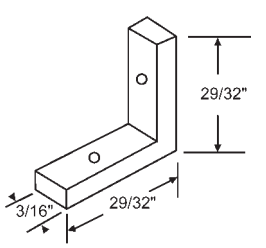
ANGLES / CORNERS



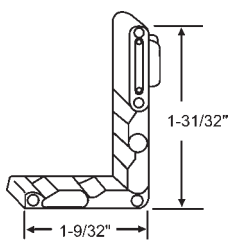
52-605
Slider Guide Angle
Plastic



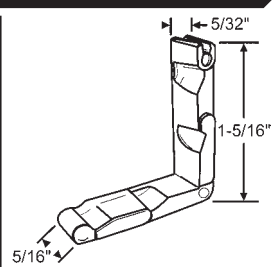
52-604
Slider Guide Angle
Aluminum



52-603
Slider Corner Angle
Die Cast



52-667
Slider Corner Key
Die Cast with Plastic Insert
REYNOLDS/PORTALUME



52-672
Slider Corner Key
Die Cast

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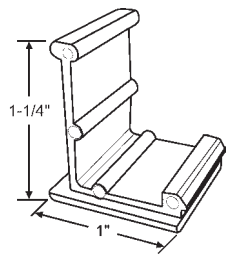
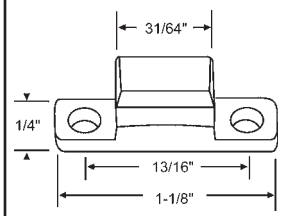
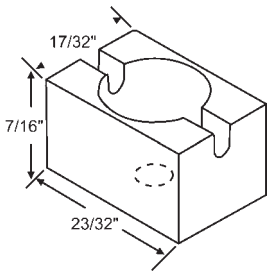
MISCELLANEOUS



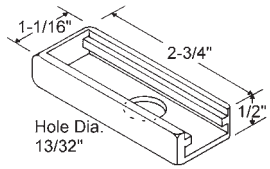
52-990
End Cap. White
PGT



900-2003
Nylon Bottom Rail Slide
Black

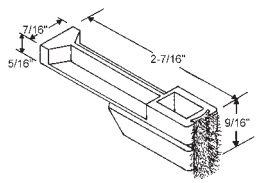


900-5571
Glide Block
ALENCO/KRESTMARK/ KELLER

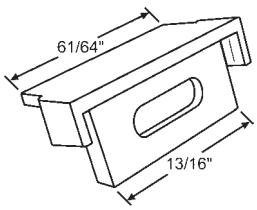


Part #	Color
900-20099BE	Beige
900-20099B	Black
900-20099W	White

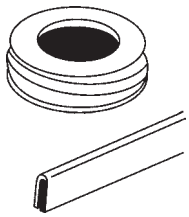
Slide Bolt Cover



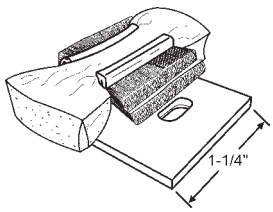
900-20105
Anti-Draft Block



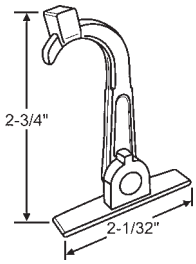
52-992
End Cap. White
PGT



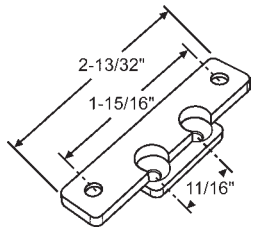
52-705
Sliding Window Repair Track. Vinyl. Install over worn or damaged tracks. Sold in 100 ft. rolls only, Gray



900-11534
Interlock Seal Assembly. Red
CAPITOL

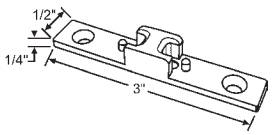


52-986
Sliding Window Pull. Black Plastic
CROSSLY

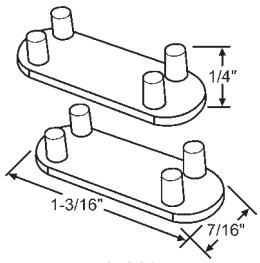


900-22206
Transom Bracket. White Plastic
ACORN/REHAU

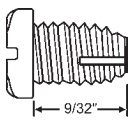
FASTENERS



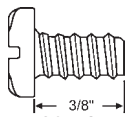
52-1126
Fixed Mounting Rail Bracket
PGT



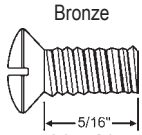
52-1127
Frame Plug
PGT



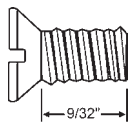
20-518
Pan Head Self Tapping Screw Type #1. 10-24 x 9/32"



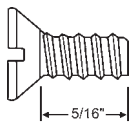
20-515
Pan Head Screw. 10-24 x 3/8" Bronze



20-516
Oval Head Screw. 10-24 x 5/16" Bronze

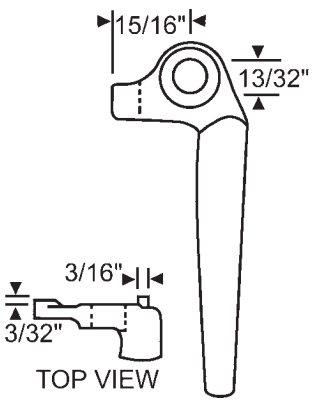


20-517
Flat Head Screw. 10-24 x 9/32"

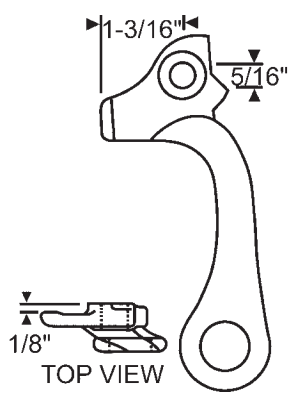


20-519
Flat Head Screw. 12-24 x 5/16"

PROJECT-OUT ONE HOLE CAM HANDLES

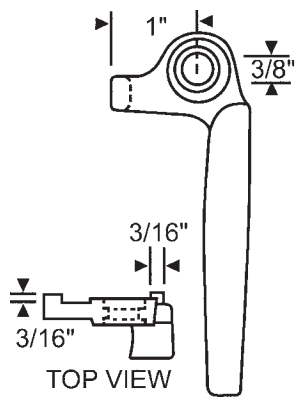


Part #	Hand	Finish
32-208	Shown	Dark Bronze
32-207	Opposite	Dark Bronze

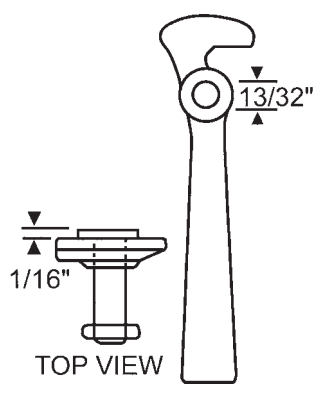


Part #	Finish
32-238	Copper

Water Rolled Finish

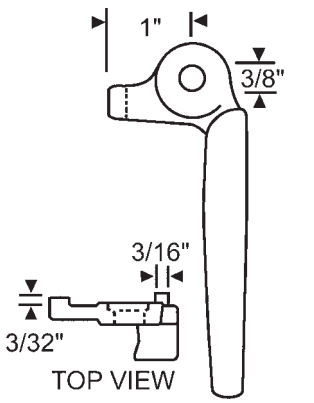


Part #	Hand	Finish
32-254	Shown	Dark Brown
32-255	Opposite	Dark Brown

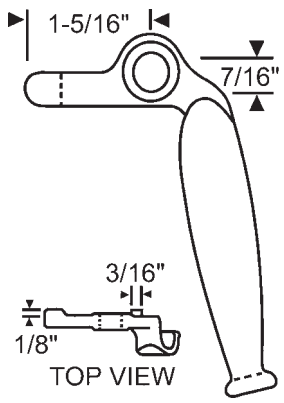


Part #	Finish
32-222	Aluminum

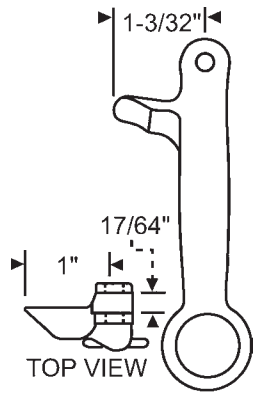
PROJECT-OUT ONE HOLE CAM HANDLES



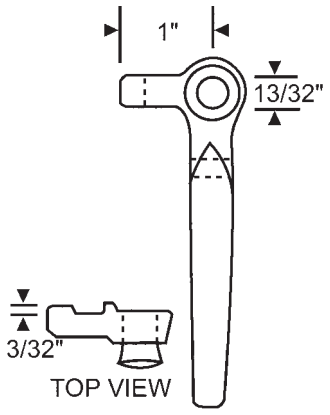
Part #	Finish
32-223	Light Bronze



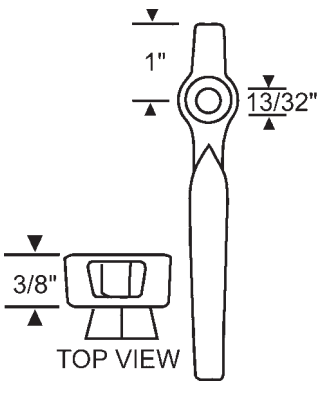
Part #	Hand	Finish
32-230	Shown	Dark Bronze
32-231	Opposite	Dark Bronze



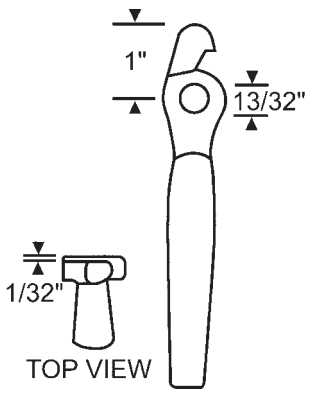
Part #	Finish
32-232	Dark Bronze



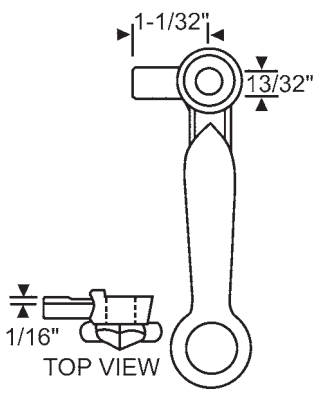
Part #	Hand	Finish
32-236	Shown	Dark Bronze
32-237	Opposite	Dark Bronze



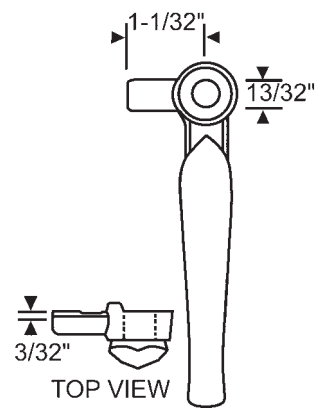
Part #	Finish
32-239	Dark Bronze



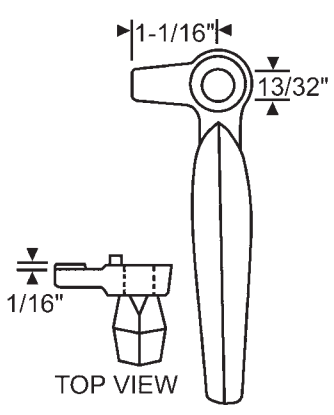
Part #	Finish
32-240	Dark Bronze



Part #	Hand	Finish
32-272	Shown	Aluminum
32-214	Opposite	Aluminum

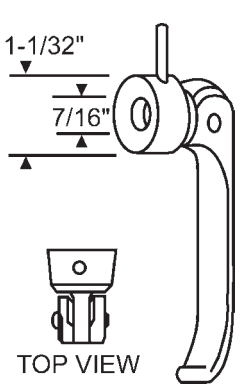


Part #	Hand	Finish
32-247	Shown	Dark Bronze
32-248	Opposite	Dark Bronze

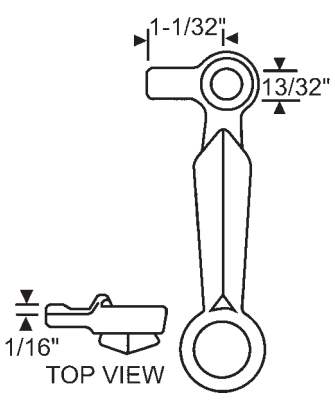


Part #	Hand	Finish
32-249	Shown	Copper
32-250	Opposite	Copper

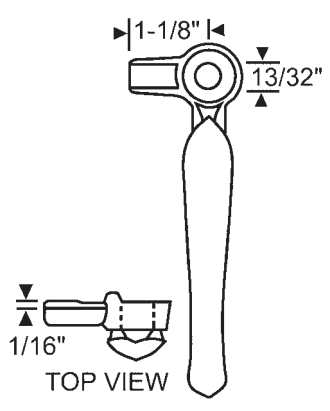
Water Rolled Finish



Part #	Finish
32-288	Light Bronze
32-288A	Aluminum



Part #	Finish
32-215	Dark Bronze



Part #	Hand	Finish
32-219	Shown	Bronze
32-217	Opposite	Bronze

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PROJECT-OUT MOUNTING HARDWARE FOR CAM HANDLES

Part #	Finish
32-204	Dark Bronze
32-204A	Aluminum

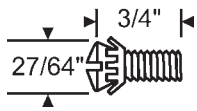
Clevis

32-204 and 20-022

Use on: 32-207, 32-208, 32-215, 32-236, 32-237, 32-239, 32-240, 32-247, 32-248, 32-273

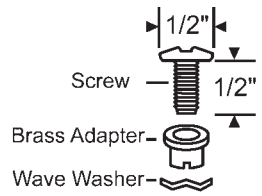
32-204A and 20-022A

Use on: 32-214, 32-216, 32-217, 32-218, 32-219, 32-222, 32-272

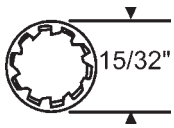


Part #	Finish
20-022	Dark Bronze
20-022A	Aluminum

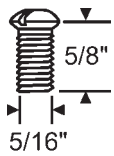
Clevis Screw with Lock Washer
Thread Size: 1/4 -20



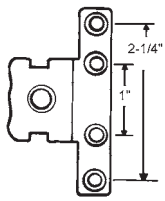
20-027
Dark Bronze Finish. Thread Size: 1/4 -20
Use on 32-254 and 32-255



900-9452
Clevis Lock Washer
Use on 32-230 and 32-231

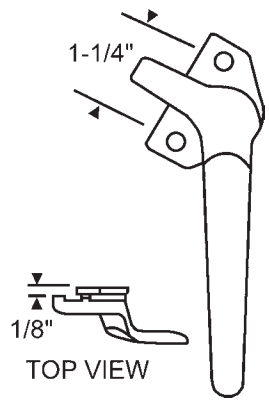


900-7977
Clevis Screw, Dark Bronze
Use on 32-230 and 32-231

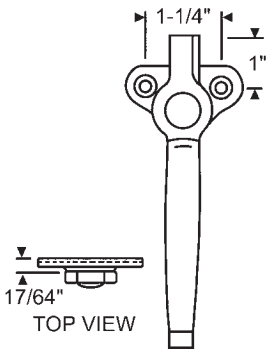


900-7979
Mounting Bracket, Dark Bronze
Use on 32-230 and 32-231

PROJECT-OUT TWO HOLE CAM HANDLES

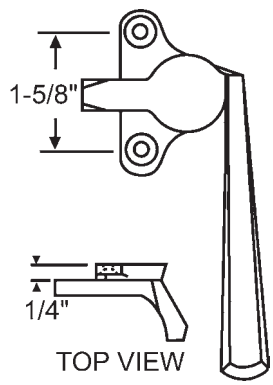


Part #	Hand	Finish
32-242	Shown	Dark Bronze
32-243	Opposite	Dark Bronze

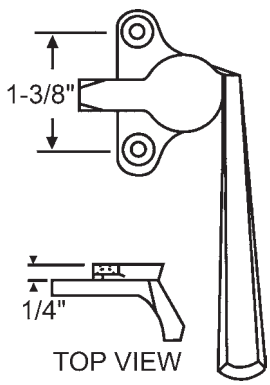


Part #	Finish
32-235	Dark Bronze

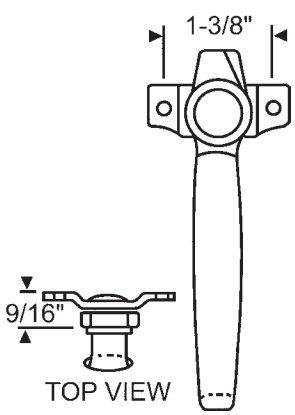
Use Screw **20-030**



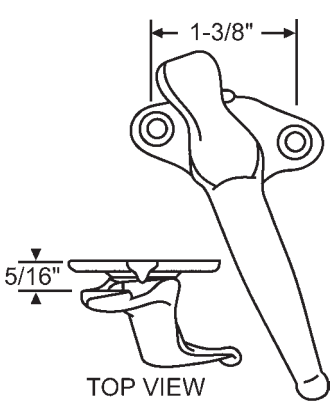
Part #	Hand	Finish
32-560RH	Shown	Aluminum
32-560LH	Opposite	Aluminum



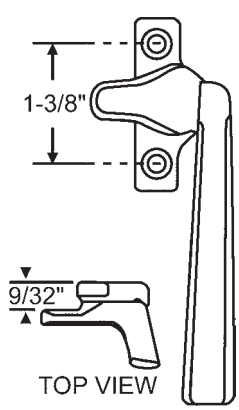
Part #	Hand	Finish
32-295	Shown	Light Bronze
32-294	Opposite	Light Bronze
32-295A	Shown	Aluminum
32-294A	Opposite	Aluminum



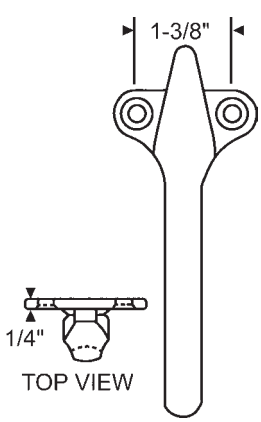
Part #	Finish
32-225	Dark Bronze



Part #	Finish
32-279	Dark Bronze

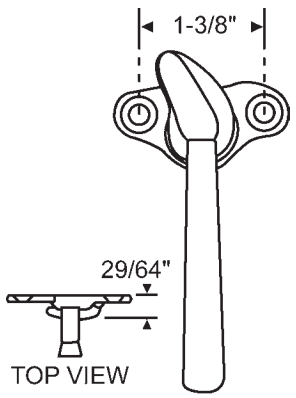


Part #	Hand	Finish
32-301	Shown	White Bronze
32-300	Opposite	White Bronze

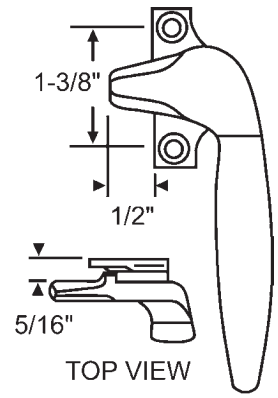


Part #	Finish
32-211	Satin Bronze

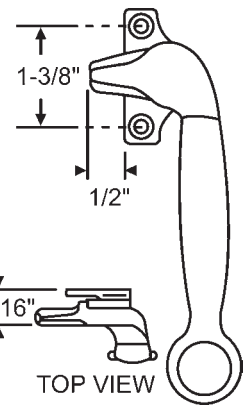
PROJECT-OUT TWO HOLE CAM HANDLES



Part #	Finish
32-203	Dark Bronze



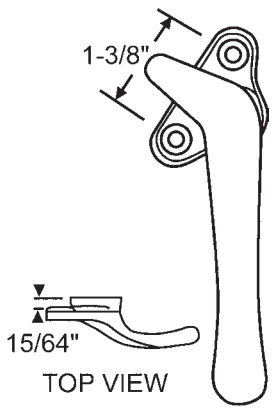
Part #	Hand	Finish
32-221	Shown	White Bronze
32-221DBZ	Shown	Dark Bronze
32-220	Opposite	White Bronze
32-220DBZ	Opposite	Dark Bronze



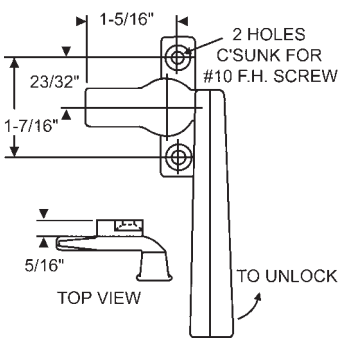
Part #	Hand	Finish
32-308	Shown	White Bronze
32-307	Opposite	White Bronze
32-307MB	Opposite	Medium Bronze

Pole Hole

EFCO

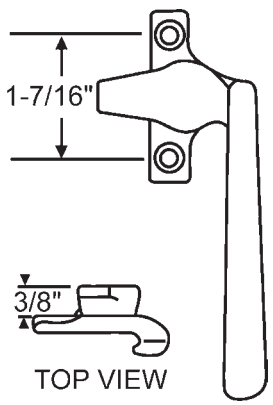


Part #	Hand	Finish
32-263	Shown	Water Rolled Copper
32-241	Opposite	Water Rolled Copper

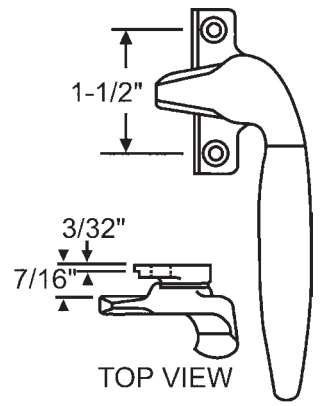


Part #	Hand	Finish
900-8959RH	Shown	White Bronze
900-8959LH	Opposite	White Bronze
900-8959RMB	Shown	Medium Bronze

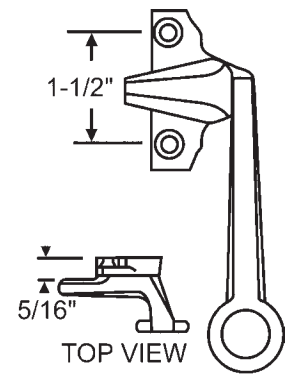
Use with 900-9132 Keeper



Part #	Hand	Finish
32-257	Shown	White Bronze
32-257LH	Opposite	White Bronze



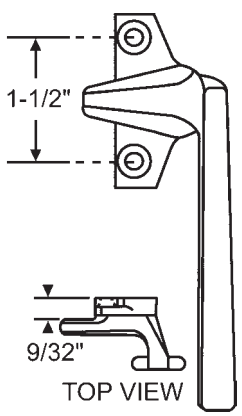
Part #	Hand	Finish
32-252	Shown	White Bronze
32-253	Opposite	White Bronze



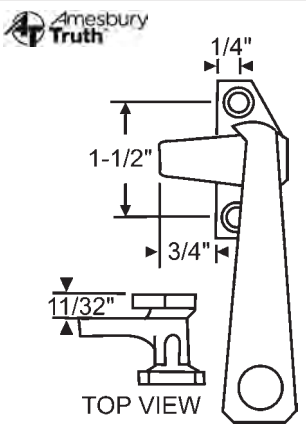
Part #	Finish
32-270	White Bronze

Pole Hole

WARE

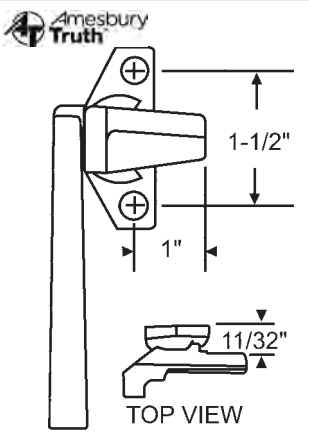


Part #	Hand	Finish
900-198LH	Opposite	White Bronze
900-198RH	Shown	White Bronze



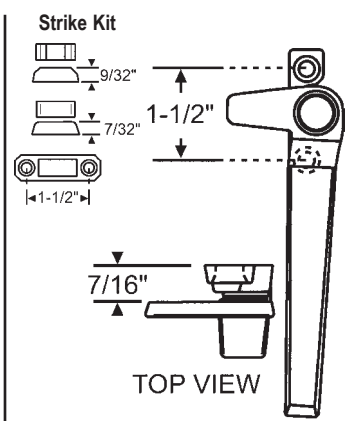
Part #	Hand	Finish
32-319-8	Shown	Chestnut Bronze
32-318-8	Opposite	Chestnut Bronze

Offset Base. Pole Hole. Die Cast



Part #	Hand	Finish
32-449-14	Shown	Cocoa Brown
32-448-14	Opposite	Cocoa Brown
32-449-9	Shown	Beige
32-448-9	Opposite	Beige

Offset Base. Die Cast



Part #	Finish
32-406RHB	Black

w/ Strike Kit

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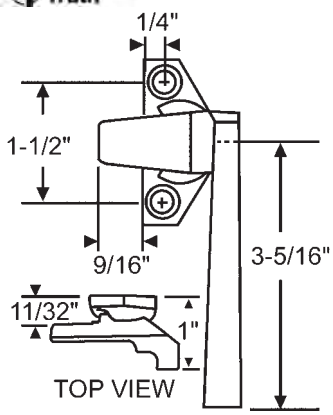
PROJECT-OUT TWO HOLE CAM HANDLES

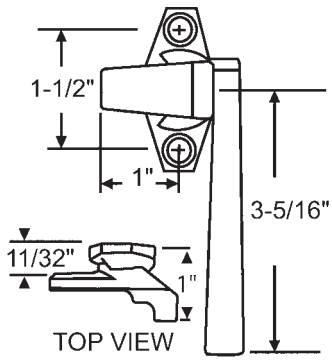
Amesbury Truth



Part #	Hand	Finish
32-311-1	Shown	Bronze
32-311-3	Shown	White
32-311-7	Shown	Aluminum
32-311-8	Shown	Chestnut Bronze
32-311-10	Shown	Black
32-311-11	Shown	Red
32-310-1	Opposite	Bronze
32-310-3	Opposite	White
32-310-7	Opposite	Aluminum
32-310-8	Opposite	Chestnut Bronze
32-310-10	Opposite	Black
32-310-11	Opposite	Red

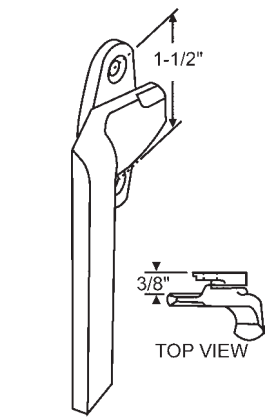
Offset Base. Die Cast

Amesbury Truth



Part #	Hand	Finish
32-313-1	Shown	Bronze
32-313-3	Shown	White
32-313-7	Shown	Aluminum
32-313-12	Shown	Medium Bronze
32-312-1	Opposite	Bronze
32-312-3	Opposite	White
32-312-7	Opposite	Aluminum
32-312-12	Opposite	Medium Bronze

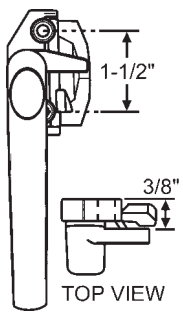
In Line Base. Die Cast



Part #	Finish
32-403	White
32-403BG	Beige

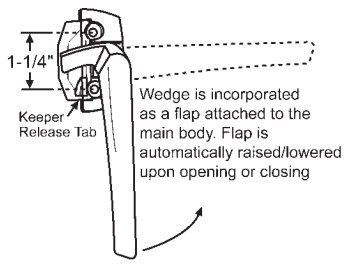
Plastic. Use Keeper 50-836

KASSON/KELLER



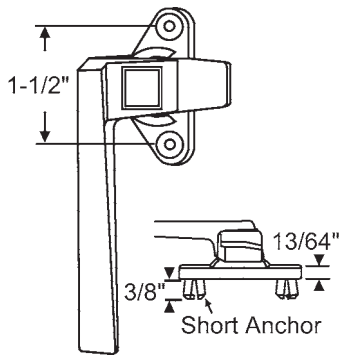
Part #	Hand	Finish
32-552LHW	Shown	White
32-552RHW	Opposite	White
32-552LHB	Shown	Black
32-552RHB	Opposite	Black

Wedgeless Cam Handle.
Aluminum Die Cast Body with Injection Moulded Nylon Flap



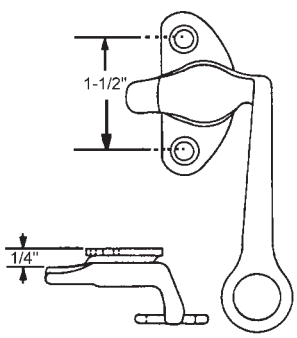
Part #	Hand	Finish
32-455RW	Shown	White
32-455LW	Opposite	White
32-455RB	Shown	Black
32-455LB	Opposite	Black

Wedgeless Cam Handle



Part #	Hand	Finish
32-464LH	Shown	White
32-464RH	Opposite	White

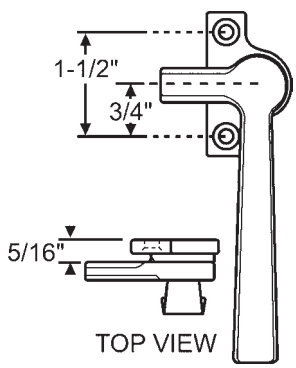
Plastic



Part #	Finish
900-8988	Red Bronze

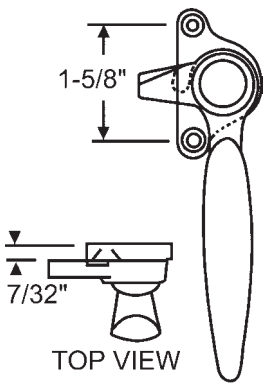
Pole Hole

BAYLEY



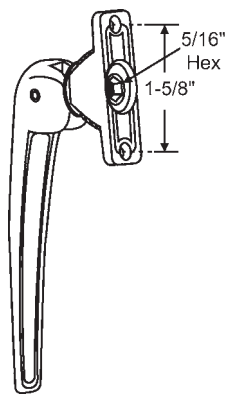
Part #	Hand	Finish
32-274B	Shown	Aluminum
32-275B	Opposite	Aluminum

Two Hole Replacement for 32-274 & 32-245



Part #	Finish
32-251	Copper

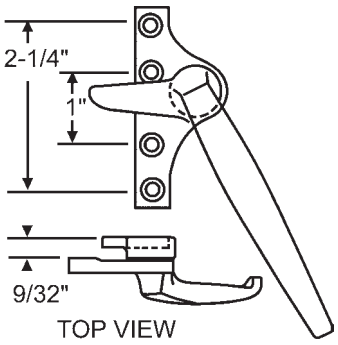
Water Rolled Finish
Project Out Handle



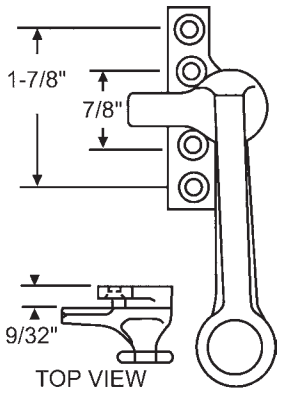
Part #	Finish
900-10729	Black Plastic with Die Cast Hex
900-10729WB	All White Bronze

CLEARVIEW

PROJECT-OUT THREE & FOUR HOLE CAM HANDLES

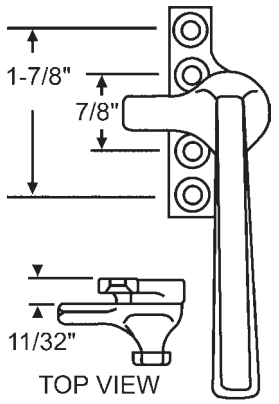


Part #	Hand	Finish
32-233	Shown	Red Bronze
32-234	Opposite	Red Bronze



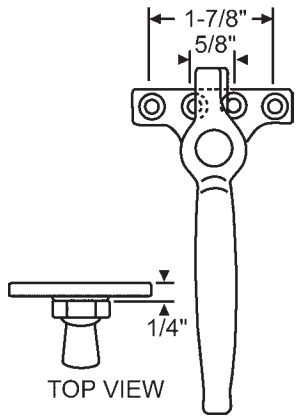
Part #	Finish
32-283	White Bronze

Pole Hole



Part #	Hand	Finish
32-210	Shown	White Bronze
32-209	Opposite	White Bronze

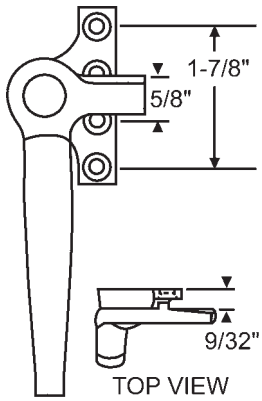
THORN



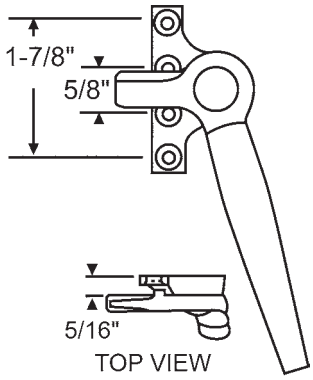
Part #	Finish
32-224	Red Bronze

Use Screw 20-030

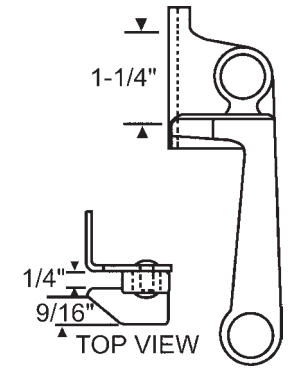
PROJECT-OUT INSIDE MOUNT CAM HANDLES



Part #	Hand	Finish
32-227	Shown	Dark Bronze
32-226	Opposite	Dark Bronze

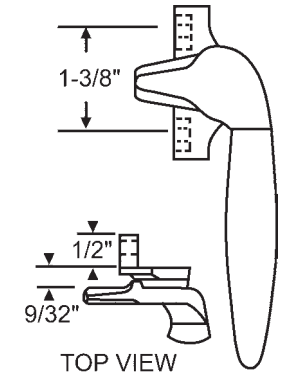


Part #	Hand	Finish
32-228DB	Shown	Dark Bronze
32-228	Shown	Red Bronze
32-229	Opposite	Red Bronze

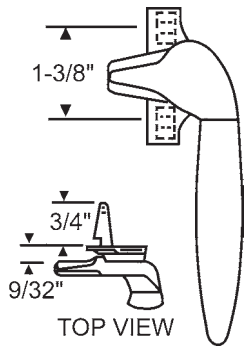


Part #	Finish
32-206	Copper

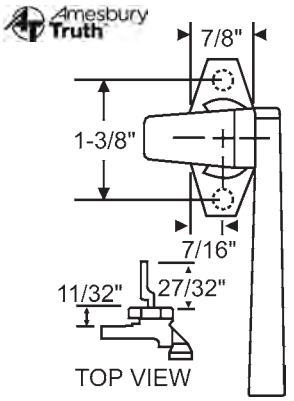
Water Rolled Finish



Part #	Hand	Finish
32-285	Shown	White Bronze
32-285LH	Opposite	White Bronze

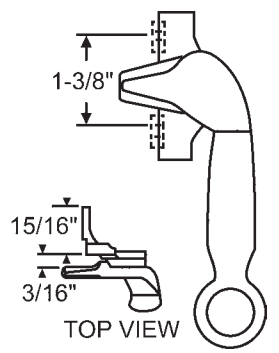


Part #	Hand	Finish
32-258	Shown	White Bronze
32-258LH	Opposite	White Bronze



Part #	Hand	Finish
32-315-7	Shown	Aluminum
32-315-8	Shown	Chestnut Bronze
32-314-7	Opposite	Aluminum
32-314-8	Opposite	Chestnut Bronze

In Line Base. Die Cast

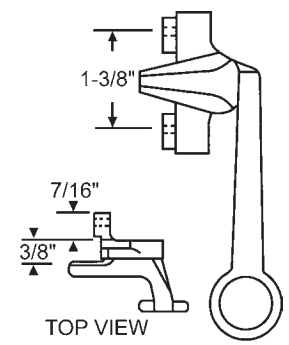


Part #	Hand	Finish
32-259RH	Shown	White Bronze
32-259LH	Opposite	White Bronze

with Pole Hole (shown)

Part #	Hand	Finish
900-18541RH	Shown	White Bronze
900-18541LH	Opposite	White Bronze

No Pole Hole



Part #	Finish
32-262	White Bronze

Holes Tapped 10-24

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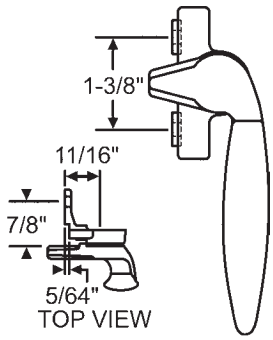
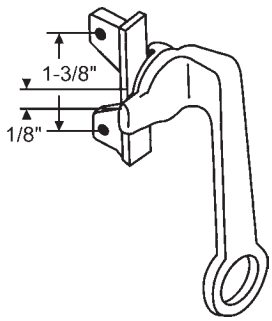
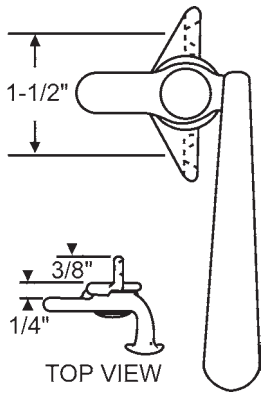
PROJECT-OUT INSIDE MOUNT CAM HANDLES



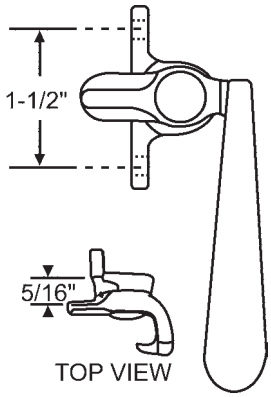
Part #	Hand	Finish
900-9798RH	Shown	White Bronze
900-9798LH	Opposite	White Bronze



Part #	Hand	Finish
1206PR	Shown	Bronze
1206PL	Opposite	Bronze



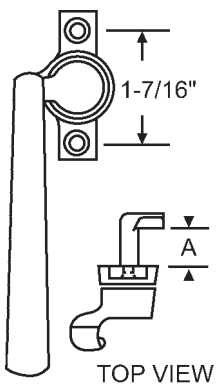
Part #	Finish
32-305	White Bronze



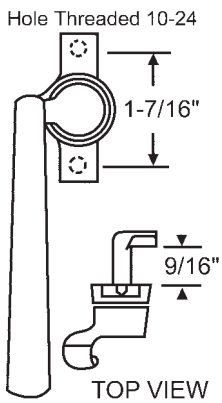
Part #	Finish
900-8601	White Bronze

Used with Keeper 50-726

PROJECT-IN HANDLES

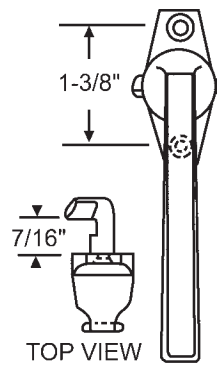


Part #	A	Finish
32-268	9/16"	White Bronze
32-268-.5	1/2"	White Bronze

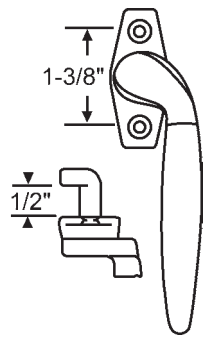


Part #	Hand	Finish
32-269LH	Shown	White Bronze
32-269RH	Opposite	White Bronze

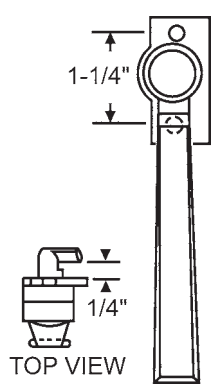
Bottom Mount



Part #	Hand	Finish
32-266	Shown	White Bronze
32-267	Opposite	White Bronze

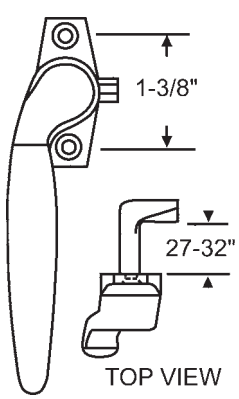


Part #	Hand	Finish
900-207RH	Shown	White Bronze
900-207LH	Opposite	White Bronze

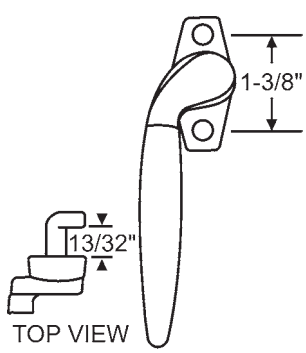


Part #	Finish
32-276	Copper

Water Rolled Finish

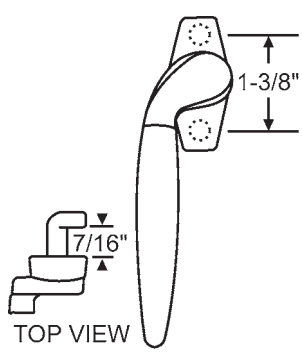


Part #	Finish
32-287	White Bronze



Part #	Finish
32-556	White Bronze

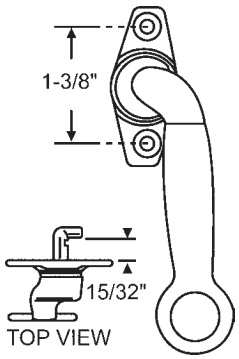
Top Mount



Part #	Finish
32-290	White Bronze

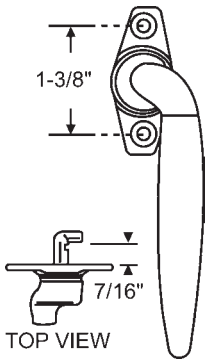
Bottom Mount

PROJECT-IN HANDLES

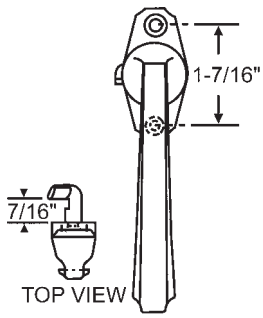


Part #	Hand	Finish
900-210RH	Shown	White Bronze
900-210LH	Opposite	White Bronze

Pole Ring

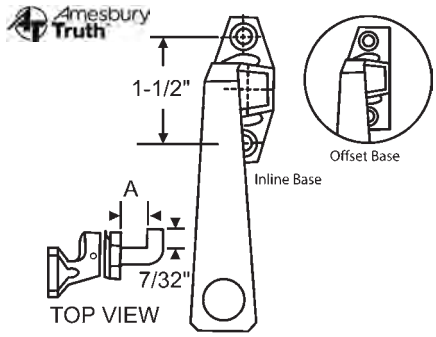


Part #	Hand	Finish
32-303	Shown	White Bronze
32-302	Opposite	White Bronze



Part #	Hand	Finish
900-9799	Shown	Copper
900-9800	Opposite	Copper

WARE

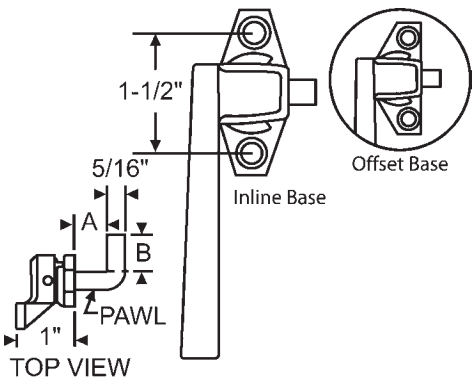


Part #	Finish	A	Base Type	Hand
32-341-8	Chestnut Bronze	7/16"	Offset	Shown
32-342-8	Chestnut Bronze	7/16"	Offset	Opposite
32-346-7	Aluminum	7/16"	In-line	Opposite
32-347-8	Chestnut Bronze	1/2"	In-line	Shown
32-348-8	Chestnut Bronze	1/2"	In-line	Opposite

Pole Ring. Die Cast

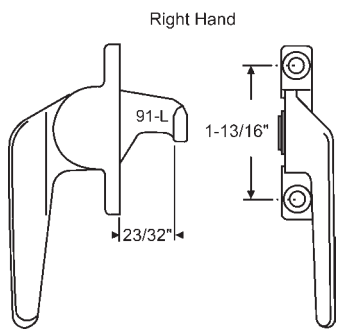
CASEMENT HANDLES

Amesbury Truth



Part #	Finish	A	B	Base Type	Hand
32-329-8	Chestnut Bronze	7/16"	7/32"	Offset	Shown
32-330-8	Chestnut Bronze	7/16"	7/32"	Offset	Opposite
32-334-8	Chestnut Bronze	33/64"	11/32"	Offset	Opposite
32-335-8	Chestnut Bronze	7/16"	7/32"	In-line	Shown
32-335-7	Aluminum	7/16"	7/32"	In-line	Shown
32-336-7	Aluminum	7/16"	7/32"	In-line	Opposite
32-337-7	Aluminum	1/2"	7/32"	In-line	Shown
32-337-8	Chestnut Bronze	1/2"	7/32"	In-line	Shown
32-338-8	Chestnut Bronze	1/2"	7/32"	In-line	Opposite
32-339-8	Chestnut Bronze	33/64"	11/32"	In-line	Shown
32-351-3	White	7/8"	5/8"	In-line	Shown

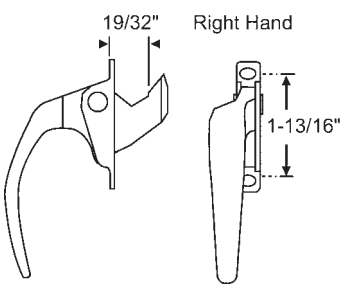
Die Cast



Part #	Hand	Finish
34-61	Opposite	Light Bronze
34-62	Shown	Light Bronze

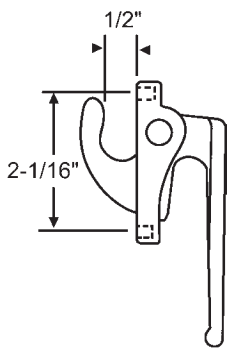
Used with 50-717 Keeper

HOPE'S

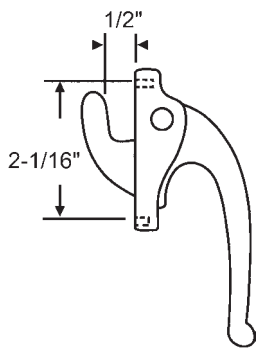


Part #	Hand	Finish
34-74	Shown	Bronze
34-75	Opposite	Bronze

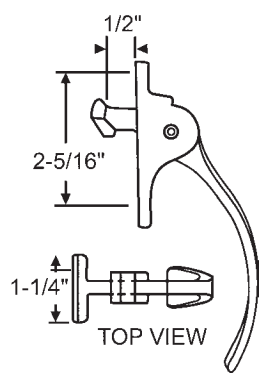
HOPE'S



Part #	Finish
34-68	White Bronze



Part #	Finish
34-53	Dark Bronze



Part #	Finish
34-67DC	Light Bronze

Die Cast. Double Locking
Used with 50-717 Keeper

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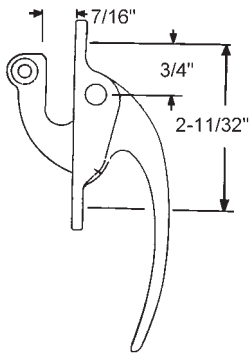
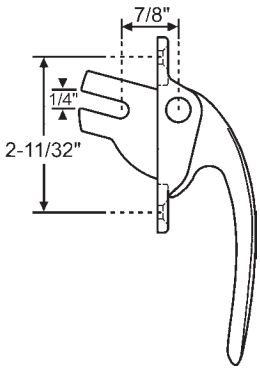
CASEMENT HANDLES

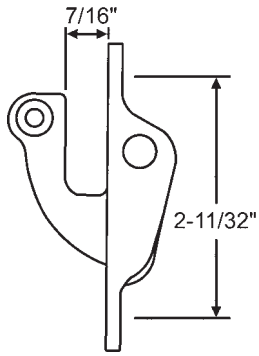


Part #	Finish
900-8977	White Bronze

Lower Casement Handle

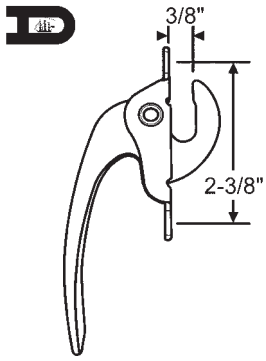


34-178
White Bronze
Euro Groove
TRACO/KAWNEER

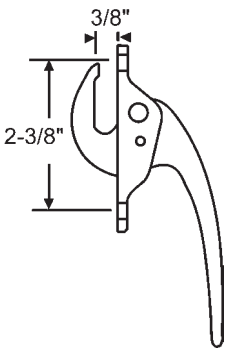


Part #	Finish
900-14118	White Bronze

Upper Locking Cam

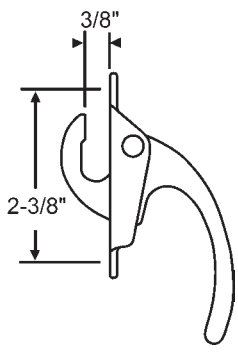


Part #	Hand	Finish
34-54	Shown	Bronze
34-55	Opposite	Bronze
34-54LB	Shown	Light Bronze
34-55LB	Opposite	Light Bronze
34-56	Shown	Aluminum
34-57	Opposite	Aluminum



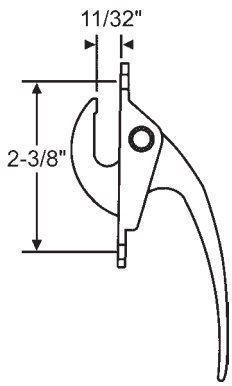
Part #	Finish
34-58	Gray
34-58B	Bronze
34-58W	White

Straight Handle. Die Cast.

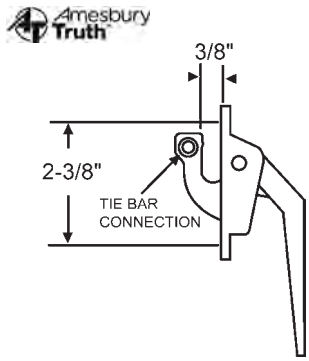


Part #	Finish
34-70	Brown

Die Cast

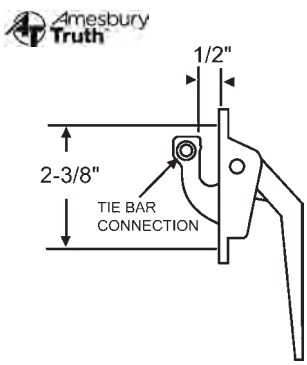


Part #	Finish
34-76	Dark Bronze



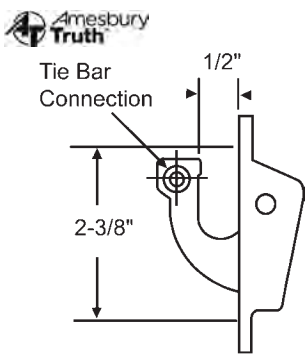
Part #	Finish
34-82-3	White
34-82-7	Aluminum
34-82-8	Chestnut Bronze

Dual Locking Handle. Die Cast



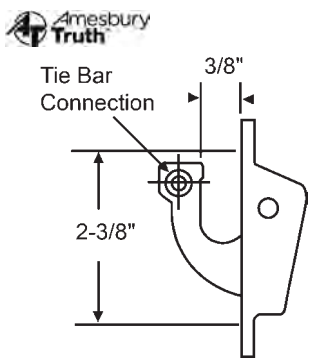
Part #	Finish
34-84-3	White
34-84-8	Chestnut Bronze
34-84-7	Aluminum
34-84-13	Brushed Copper Nickel

Dual Locking Handle. Die Cast

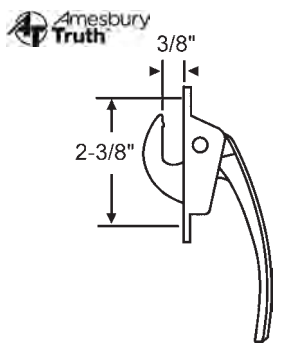


Part #	Finish
34-85-3	White
34-85-7	Aluminum
34-85-8	Chestnut Bronze
34-85-10	Black

Upper Locking Cam. Die Cast



Part #	Finish
34-83-3	White
34-83-7	Aluminum
34-83-8	Chestnut Bronze
34-83-10	Black

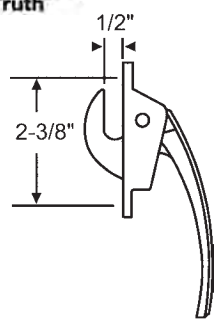


Part #	Finish
34-80-3	White
34-80-8	Chestnut Bronze
34-80-7	Aluminum
34-80-12	Medium Bronze

Die Cast

CASEMENT HANDLES

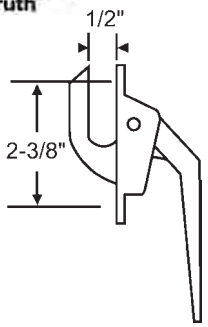
Amesbury Truth



Part #	Finish
34-81-3	White
34-81-8	Chestnut Bronze

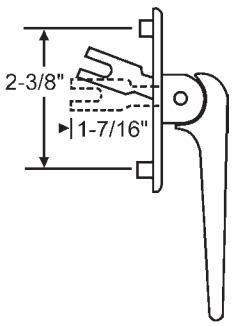
Die Cast

Amesbury Truth

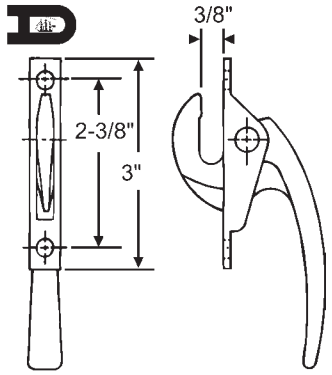


Part #	Finish
34-91-3	White

Die Cast

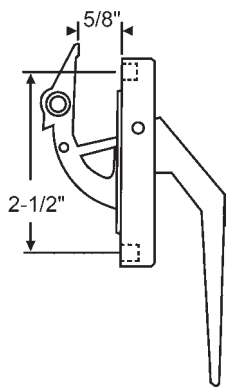


Part #	Finish
34-3	White



Part #	Finish
34-71	Light Bronze

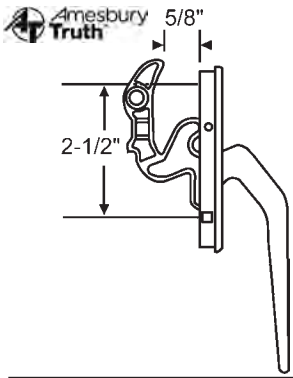
Die Cast. Straight Handle



Part #	Finish
900-14723	Bronze

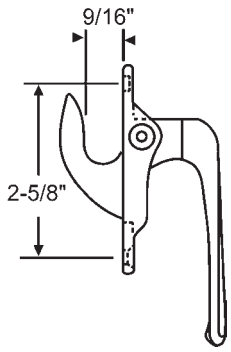
ACORN

Amesbury Truth

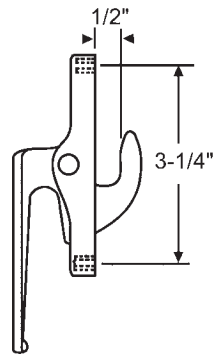


Part #	Finish
34-95-1	Bronze
34-95-3	White
34-95-8	Chestnut Bronze
34-95-9	Beige
34-95-7	Aluminum
34-95-10	Black
34-95-29	Bright White

Die Cast Lock Bar

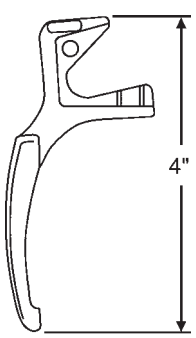


Part #	Hand	Finish
34-51	Shown	White Bronze
34-50	Opposite	White Bronze

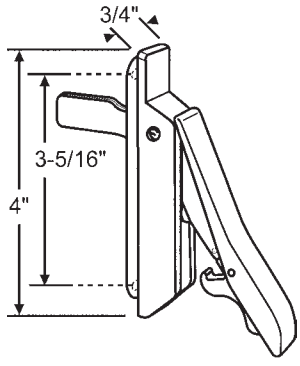


Part #	Finish
34-52	Dark Bronze

Pella

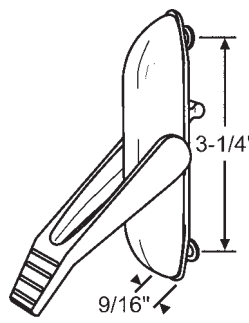


Part #	Hand	Color
34-113	Shown	White
34-112	Opposite	White
34-111	Shown	Brass
34-110	Opposite	Brass
34-115	Shown	Champagne
34-114	Opposite	Champagne



854-11000

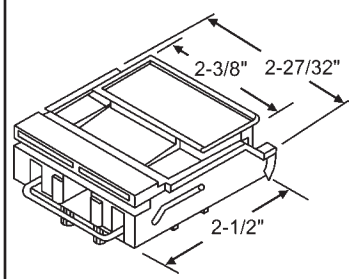
Casement Window Multipoint Locking Handle. White. Nylon Housing. Metal Lever



34-917WA

LH & RH Set (RH Shown). White

SILVER LINE

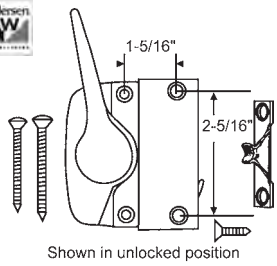


Part #	Finish
900-12199	Driftwood
900-12199W	White

PEACHTREE

AZA SALES
TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

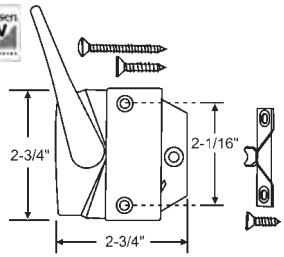
CASEMENT LOCKS



Shown in unlocked position

Part #	Hand	Finish
750-0531708	Shown	Bronze
750-0531712	Opposite	Bronze

Replaces Andersen numbers 0533508/0533512, 0533509/0533513 and 0533608/0533612

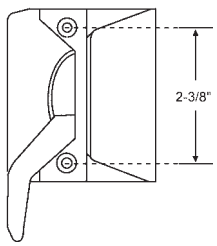


Shown in unlocked position

Part #	Hand	Finish
750-1351408	Shown	Stone
750-1351410	Opposite	Stone
750-1351420	Shown	White
750-1351422	Opposite	White

Replaces Andersen numbers 0565708/0565712

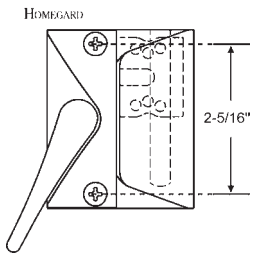
Amesbury Truth ENTRYGARD



Part #	Hand	Finish
34-42-1	Shown	Bronze
34-43-1	Opposite	Bronze
34-42-3	Shown	White
34-43-3	Opposite	White
34-42-87	Shown	Gold
34-43-87	Opposite	Gold

Die Cast. Uses 50-435 Keeper

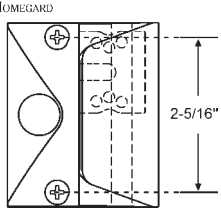
Amesbury Truth HOMEGARD



Part #	Finish
34-102-1	Bronze
34-102-3	White
34-102-5	Bright Brass

Primary Lock. Non-Handed. Die Cast

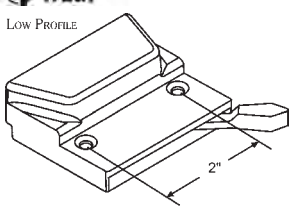
Amesbury Truth HOMEGARD



Part #	Finish
34-103-1	Bronze
34-103-3	White
34-103-5	Bright Brass

Secondary Lock. Non-Handed, Die Cast

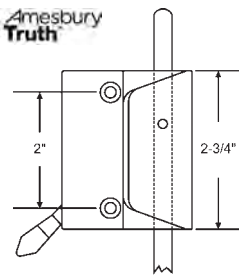
Amesbury Truth LOW PROFILE



Part #	Finish
34-47-1	Bronze
34-47-3	White
34-47-9	Beige
34-47-87	Gold

Non-Handed. Die Cast

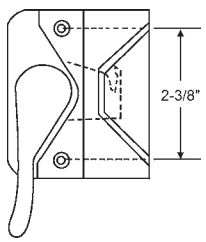
Amesbury Truth



Part #	Finish
34-46-1	Bronze
34-46-3	White
34-46-29	Bright White

Non-Handed; for tandem application with use of tie bar (hole drilled through bottom gear piece). Die Cast

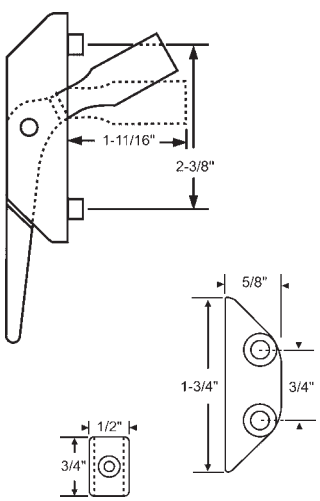
Amesbury Truth



Part #	Hand	Finish
34-64-1	Opposite	Bronze
34-64-2	Opposite	Gold
34-63-3	Shown	White

Die Cast

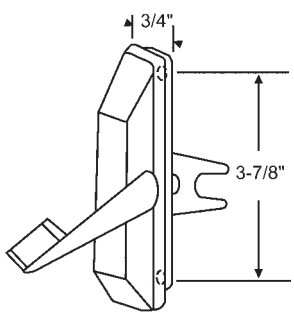
MULTIPOINT LOCKS



Part #	Finish	Description
34-159	White	Handle
39-610	White	Keeper
39-611	White	Slider Block

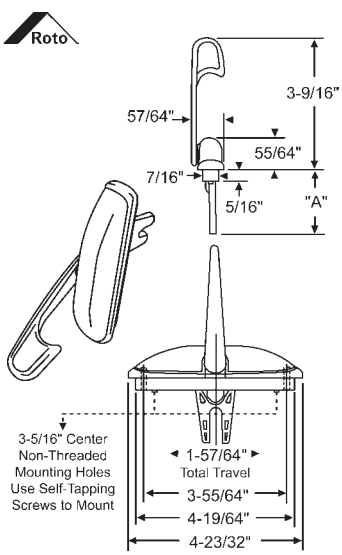
SILVER LINE

Roto



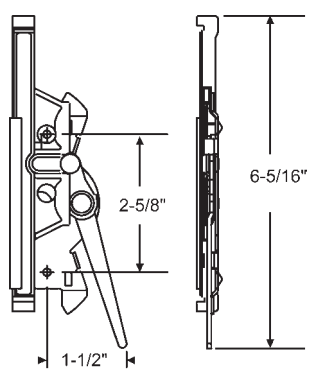
Part #	Finish
34-126BG	Beige
34-126EB	Earth Brown

Roto



Part #	"A"	Finish
34-165-29W	1-9/64" (29mm)	White
34-165-29SV	1-9/64" (29mm)	Silver
34-165-37W	1-29/64" (37mm)	White

Amesbury Truth

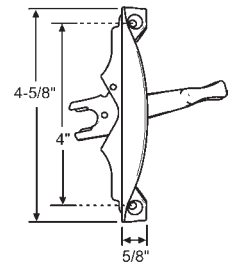


34-169

Encore Lock Drive Assembly

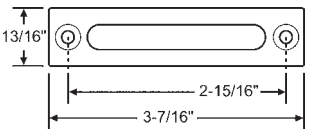
MULTIPOINT LOCKS

Roto



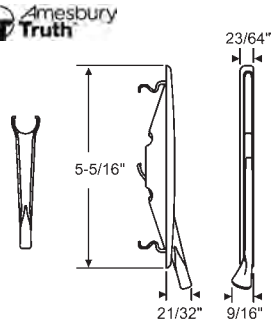
Part #	Hand
39-604CHP	Champagne

Handle & Escutcheon Kit



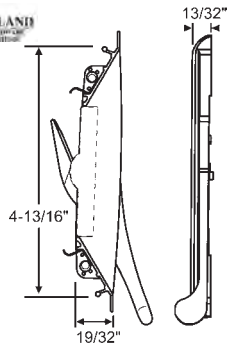
39-603W
Plastic Guide Housing. White

Amesbury Truth



34-170-3
Encore Handle & Escutcheon
White

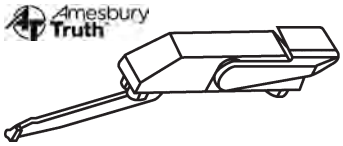
ASHLAND



Part #	Finish
34-179BP	Brass Plated
34-179BZ	Bronze
34-179W	White

Casement Handle & Bezel

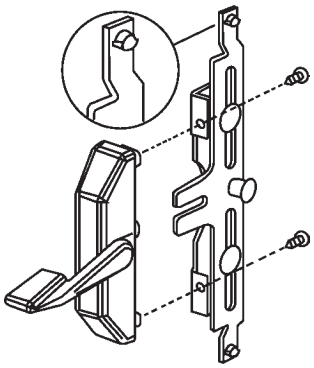
Amesbury Truth



Part #	Hand	Finish
34-100-15NEG	Shown	Non E-Gard, Off White
34-99-15NEG	Opposite	Non E-Gard, Off White
34-100-1	Shown	Bronze
34-100-1NEG	Shown	Non E-Gard, Bronze
34-99-1	Opposite	Bronze
34-99-1NEG	Opposite	Non E-Gard, Bronze
34-100-3	Shown	White
34-99-3	Opposite	White
34-100-8	Shown	Chestnut Bronze
34-99-8	Opposite	Chestnut Bronze
34-100-29	Shown	Bright White
34-99-29	Opposite	Bright White
34-99-9	Opposite	Beige

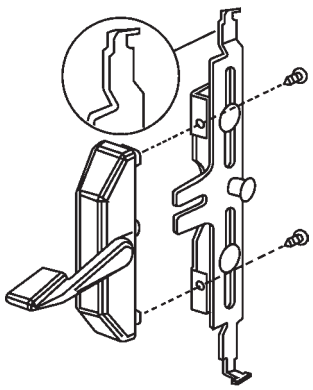
Used in Tie Bar Applications

Amesbury Truth

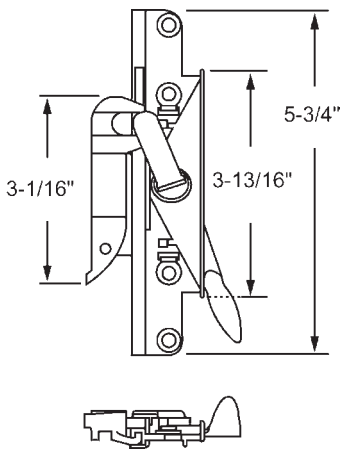


Part #	Hand	Finish
34-93-3	Shown	White
34-94-3	Opposite	White

Amesbury Truth



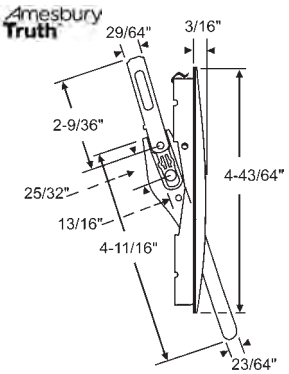
Part #	Hand	Finish
34-127-3	Shown	White
34-128-3	Opposite	White



Part #	Hand	Finish
34-134-1	Shown	Bronze
34-135-1	Opposite	Bronze
34-134-15	Shown	Off White
34-135-15	Opposite	Off White

MARVIN

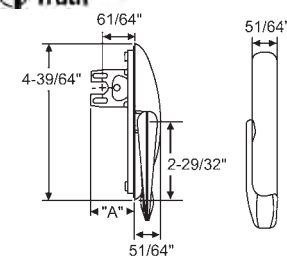
Amesbury Truth



Part #	Hand	Finish
34-136-3	Shown	White
34-136-1	Shown	Bronze
34-136-4	Shown	Coppertone

Truth **Mirage**. Includes Locking Handle, Escutcheon and Backplate. Used with Keeper 50-883

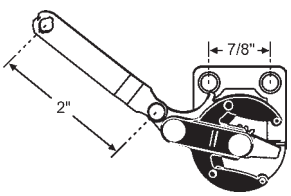
Amesbury Truth



Part #	Finish	"A"
34-140-3G	White	1-25/64"
34-140-5G	Brass Plated	1-25/64"
34-144-3G	White	1-41/64"
34-144-9G	Beige	1-41/64"
34-144-10G	Black	1-41/64"
34-141-3G	White	1-57/64"

Truth **Maxim**® Lock with Gasket
Non-Handed

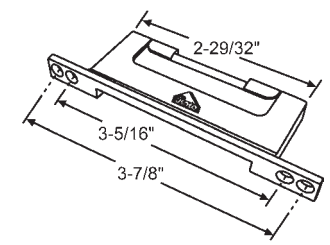
Roto

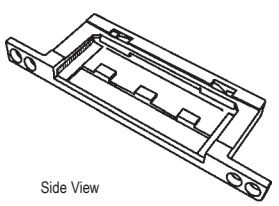


Part #	Hand
34-185RH	Shown
34-185LH	Opposite

Handle Mechanism

Roto





40R-3
Safety Lock Device. Zinc Die Cast

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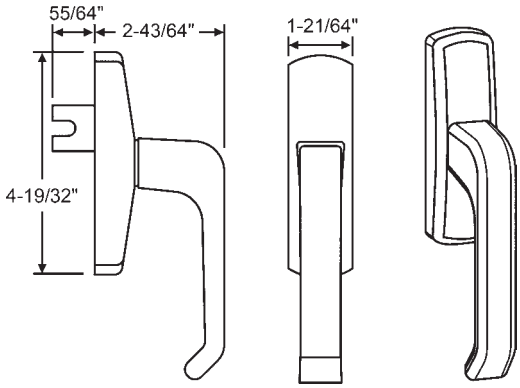
MULTIPOINT LOCKS

SPACIO TILT AND TURN HANDLE

G-U



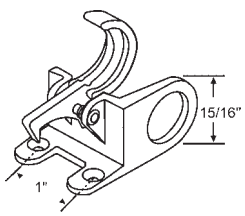
Part Number	Finish
854-14661	Silver
854-14662	Dark Bronze
854-14663	White

Used w/ AK8 Hardware System (Uses hinges that clamp in the frame groove)
Spacio

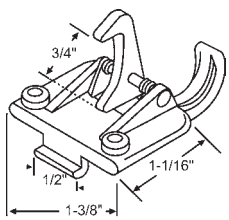
Part Number	Finish
854-14658	Silver
854-14659	Dark Bronze
854-14660	White

Used w/ AS130 Hardware System (Uses hinges that required drilling the frame)

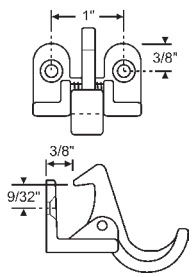
SPRING CATCHES



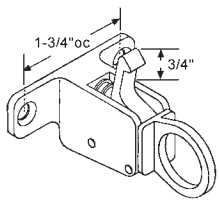
900-18718
Snap Lock with Pole Ring. White Bronze. Use Screw 20-447



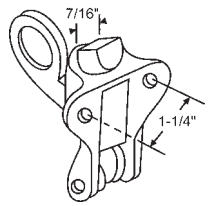
32-393
Lower Automatic Lock.
White Bronze
SEASONALL



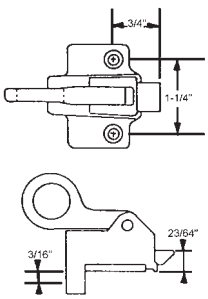
32-395
White Bronze



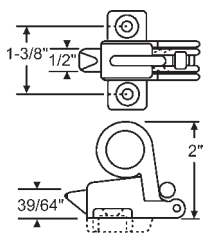
900-20322
White Bronze
SWS



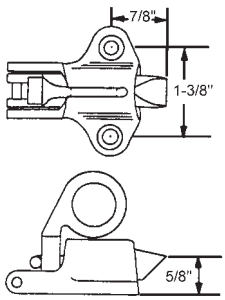
32-280



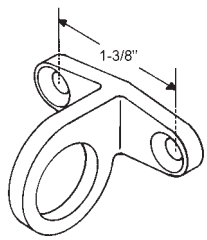
900-11332
White Bronze



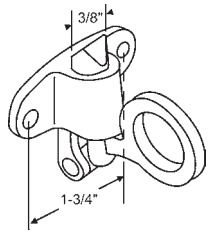
900-16312



900-9258
White Bronze

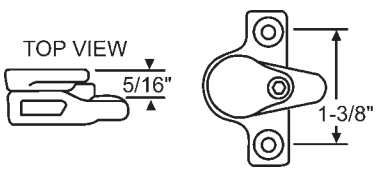


900-8650
Pole Ring
White Bronze

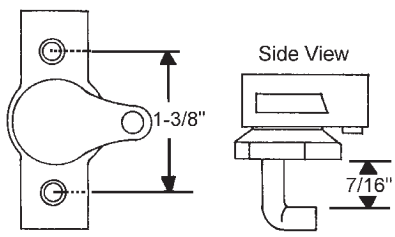


32-277
Aluminum Finish
Use with 900-9107 Keeper.

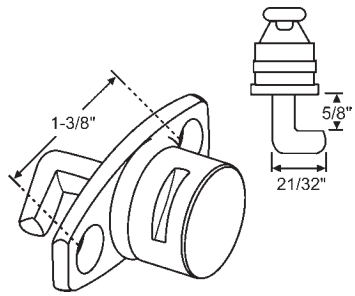
CUSTODIAL/VENT LOCKS



32-256
White Bronze Finish
Use with 900-218 Key.

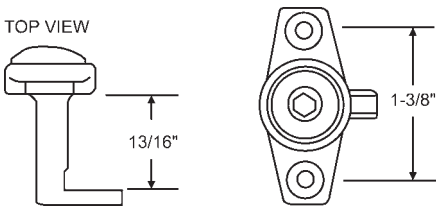


900-13324
White Bronze

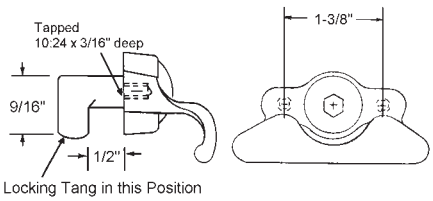


32-603BZ
Bronze

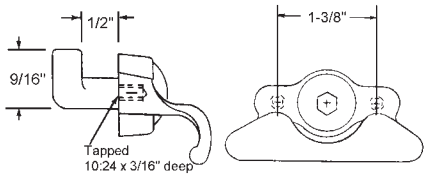
CUSTODIAL/VENT LOCKS



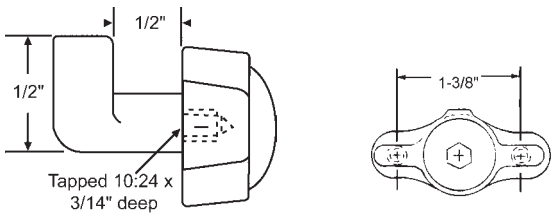
32-284
White Bronze. Use with 900-19637 Key.



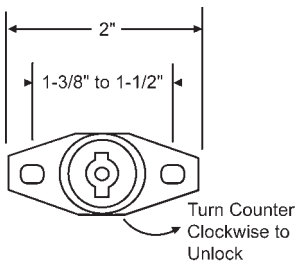
900-11108
White Bronze
Use with 900-19637 Key.



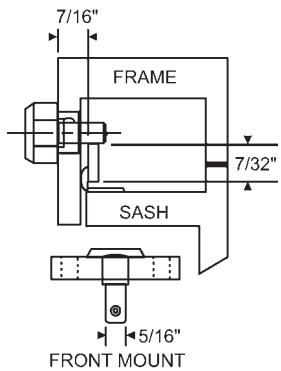
900-1221
White Bronze
Use with 900-19637 Key.

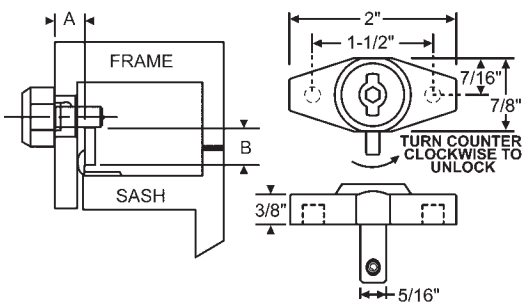


900-7970
White Bronze
Use with 900-19637 Key.

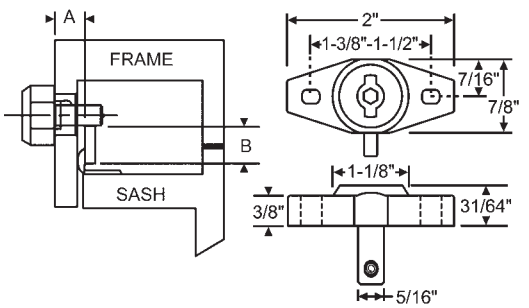


Part #	Finish
32-379-7	Aluminum
32-379-8	Chestnut Bronze





REAR MOUNT				
Part Number	Finish	A	B	Forced Entry Resistance
32-373-10	Black	7/16"	7/32"	300 LBS.
32-373-8	Chestnut Bronze	7/16"	7/32"	300 LBS.
32-373-3	White	7/16"	7/32"	300 LBS.
32-373-00	Primed	7/16"	7/32"	300 LBS.
32-374-3	White	7/16"	11/32"	250 LBS.
32-374-7	Aluminum	7/16"	11/32"	250 LBS.
32-374-8	Chestnut Bronze	7/16"	11/32"	250 LBS.
32-376-7	Aluminum	7/8"	7/32"	300 LBS.
32-376-10	Black	7/8"	7/32"	300 LBS.
32-376-12	Medium Bronze	7/8"	7/32"	300 LBS.
32-376-8	Chestnut Bronze	7/8"	7/32"	300 LBS.
32-376-3	White	7/8"	7/32"	300 LBS.
32-376-13	Brushed Copper Nickel	7/8"	7/32"	300 LBS.
32-377-1	Bronze	7/8"	11/32"	250 LBS.
32-377-10	Black	7/8"	11/32"	250 LBS.
32-377-12	Medium Bronze	7/8"	11/32"	250 LBS.
32-377-6	Clay	7/8"	11/32"	250 LBS.
32-377-7	Aluminum	7/8"	11/32"	250 LBS.
32-377-8	Chestnut Bronze	7/8"	11/32"	250 LBS.



FRONT MOUNT				
Part Number	Finish	A	B	Forced Entry Resistance
32-379-12	Medium Bronze	7/16"	7/32"	300 LBS.
32-379-3	White	7/16"	7/32"	300 LBS.
32-379-7	Aluminum	7/16"	7/32"	300 LBS.
32-379-8	Chestnut Bronze	7/16"	7/32"	300 LBS.
32-381-12	Medium Bronze	7/16"	9/16"	160 LBS.
32-381-7	Aluminum	7/16"	9/16"	160 LBS.
32-381-8	Chestnut Bronze	7/16"	9/16"	160 LBS.
32-382-12	Medium Bronze	7/8"	7/32"	300 LBS.
32-382-3	White	7/8"	7/32"	300 LBS.
32-382-7	Aluminum	7/8"	7/32"	300 LBS.
32-382-8	Chestnut Bronze	7/8"	7/32"	300 LBS.
32-385-12	Medium Bronze	7/8"	9/16"	160 LBS.
32-385-13	Brushed Copper Nickel	7/8"	9/16"	160 LBS.
32-385-7	Aluminum	7/8"	9/16"	160 LBS.
32-385-8	Chestnut Bronze	7/8"	9/16"	160 LBS.
32-387-12	Medium Bronze	7/8"	15/16"	50 LBS.
32-387-3	White	7/8"	15/16"	50 LBS.
32-387-5	Bright Brass	7/8"	15/16"	50 LBS.
32-387-7	Aluminum	7/8"	15/16"	50 LBS.
32-387-8	Chestnut Bronze	7/8"	15/16"	50 LBS.

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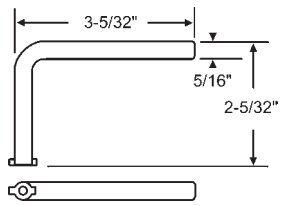
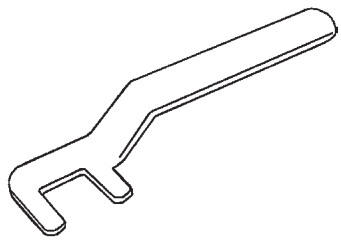
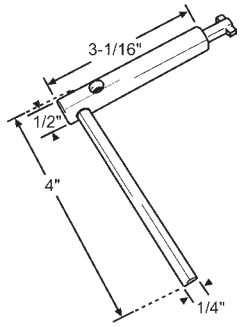
REMOVABLE HANDLE KEYS



39-91
Custodial Lock Handle Key



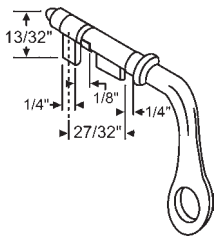
39-90
Spanner Tool for Truth Die Cast Locks



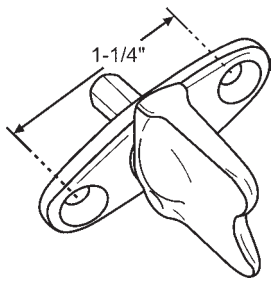
39-942
Custodial Lock Handle Key. Black

900-21413
Handle Cam Wrench with 1/8" Hex

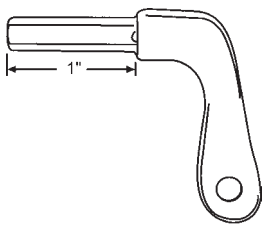
900-11209
Handle Cam Wrench with 5/32" Hex
EFCO/GRAHAM/KAWNEER



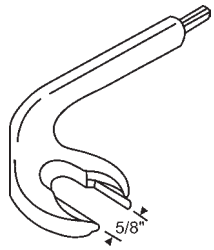
900-10521
Window Key



900-21510
AC Key with 7/32" Hex

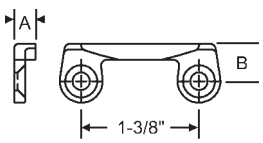


900-19637
1/4" Hex



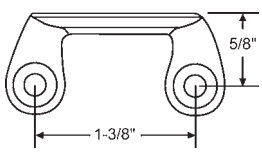
900-218
Hex fits 5/32" Allen Set Screw for bronze handles.

PROJECT IN, PROJECT OUT, & CASEMENT KEEPERS & STRIKES

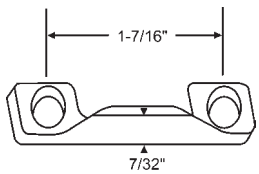


Part #	A	B
50-1107	7/16"	3/8"
900-9131	11/32"	7/16"
50-664	7/16"	7/16"
900-7262	1/4"	7/16"
900-11816	11/32"	5/16"

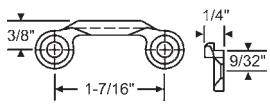
These standard keepers are typically concealed in the frame. They are designed to work with the 156 and 158 series handles and come in many varieties to fit your specific profile. White Bronze



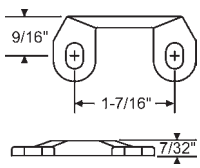
50-668
White Bronze



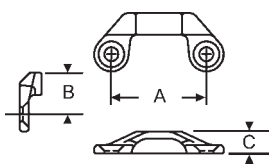
50-693
White Bronze



900-22624
This Keeper features an edge designed to fit over a rib on and extruded frame.

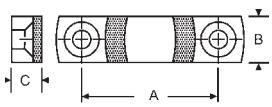


900-21734
This keeper features slotted mounting holes to allow the fit to be adjusted on sight to maximize the window compression for optimal performance.
White Bronze



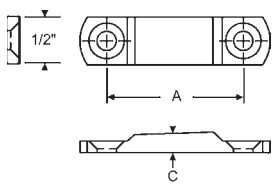
Part #	A	B	C	Finish
50-665B	1-3/8"	1/2"	5/32"	Black
50-665	1-3/8"	1/2"	5/32"	White Bronze
50-674	1-3/8"	1/2"	3/16"	White Bronze
50-244WBZ	1-3/8"	7/16"	5/16"	White Bronze
50-683	1-3/8"	13/32"	9/32"	White Bronze
50-728	1-3/8"	19/32"	5/16"	White Bronze
50-928	1-1/2"	15/32"	3/16"	White Bronze
50-667	1-3/8"		11/64"	White Bronze

This popular strike design keeps the mounting holes away from the locking surface to allow the strike pad to be placed as close to the edge of the frame as possible.



Part #	A	B	C
50-1079	1-3/8"	1/2"	11/64"
900-18263	1-1/2"	1/2"	21/64"
900-19827	1-1/2"	7/16"	7/32"
50-1302WBZ	1-1/2"	7/16"	3/16"
50-695	1-7/16"	1/2"	3/16"

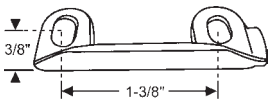
These simple flat strikes are perfect for installations that have narrow mounting conditions on the frame. White Bronze



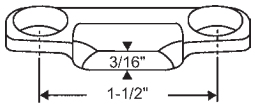
Part #	A	C
50-964	1-7/16"	9/64"
900-7861	1-7/16"	13/64"

These strikes feature an angled cam surface to gently engage the handle and compress the window seal.
White Bronze

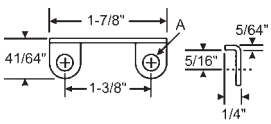
PROJECT IN, PROJECT OUT, & CASEMENT KEEPERS & STRIKES



900-22584
White Bronze

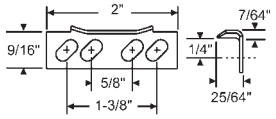


900-12905
White Bronze Burnished

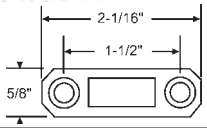


Part #	A
50-406	13/64"
50-407	1/4"

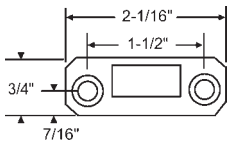
Stainless Steel. Low Profile



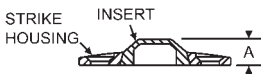
50-408
Stainless Steel. Adjustable Keeper



Part #	Finish
50-1251-1	Bronze
50-1251-3	White
50-1251-7	Aluminum
50-1251-8	Chestnut Bronze

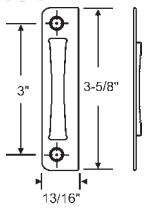


Part #	Finish
50-1252-3	White
50-1252-8	Chestnut Bronze
50-1252-12	Medium Bronze

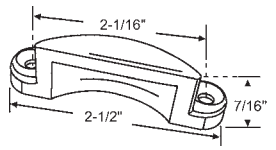


Part #	A
39-81-10	7/32"
39-82-10	9/32"
39-83-10	11/32"

Black Nylon Strike Insert.

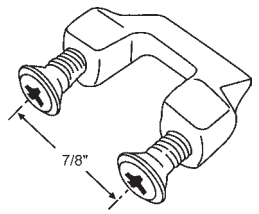


Part #	Finish
39-87-3	White
39-87-9	Beige
39-87-10	Black



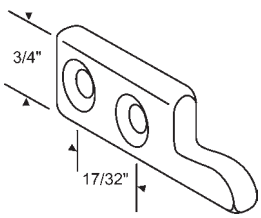
Part #	Finish
50-836OW	Off White

Plastic
KASSON/KELLER

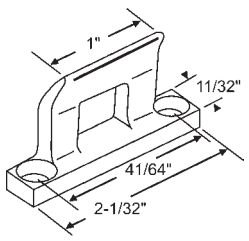


Part #	Finish
900-19680	White Bronze

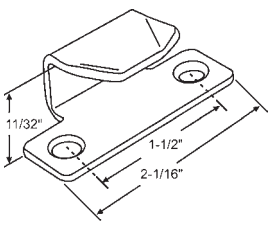
SEASONALL



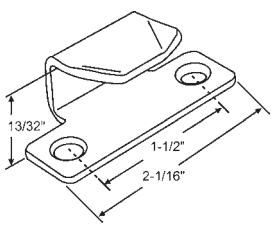
50-717
Brass. Keeper for 34-67DC.



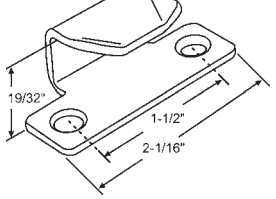
900-9107
Zinc Die Cast. Keeper for 32-277



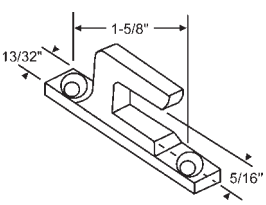
Part #	Finish
50-774-3	White
50-774-9	Beige



Part #	Finish
50-814-3	White
50-814-9	Beige

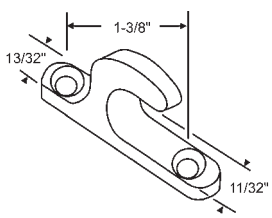


Part #	Finish
50-755-1	Bronze
50-755-3	White
50-755-14	Cocoa Brown

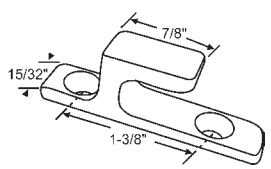


Part #	Finish
50-714	Red Bronze

Hook Type. Used with 32-224, 32-228, 32-229 Handles

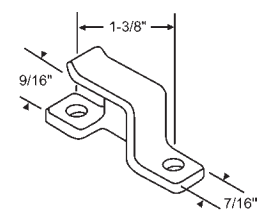


Part #	Finish
50-675	Dark Bronze

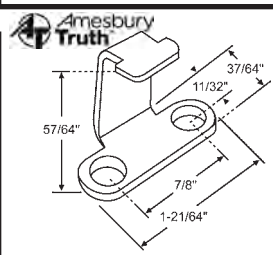


Part #	Finish
900-9761	White Bronze

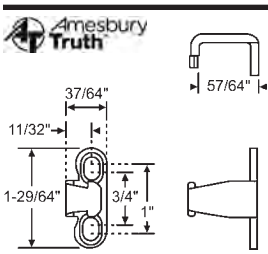
Hook Type



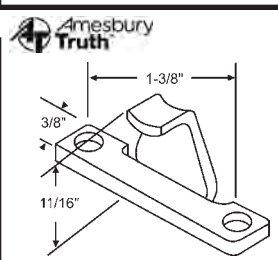
Part #	Finish
50-672	Dark Bronze



Part #	Finish
50-413	E-Gard Finish
50-759	Stainless Steel
50-739	High Strength

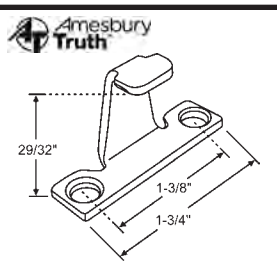


Part #	Finish
50-890	Steel

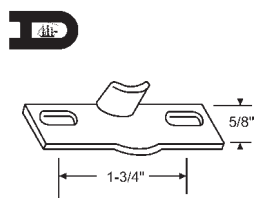


Part #	Finish
50-644	Steel

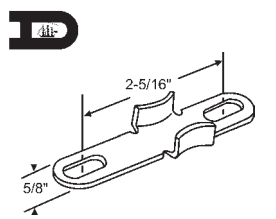
Use with 34-64, 34-63, 34-65, 34-66



Part #	Finish
50-435	E-Gard
50-435SS	Stainless Steel



Part #	Finish
50-659	Aluminum



Part #	Finish
50-685A	Aluminum

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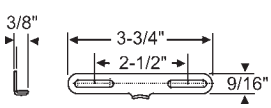
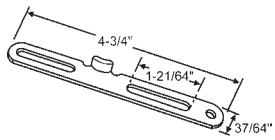
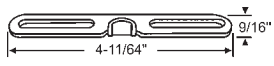
PROJECT IN, PROJECT OUT, & CASEMENT KEEPERS & STRIKES



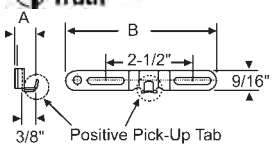
39-202
Stainless Steel



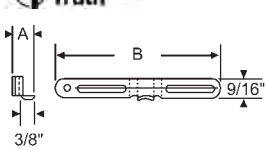
39-920
Stainless Steel. 7/64" Thick
TRACO



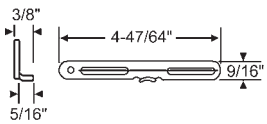
900-20912
Dichromate
ACORN



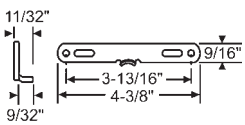
Part #	A	B
39-183	19/32"	4-19/32"
39-208	3/8"	4-47/64"
39-658	5/8"	3-43/64"



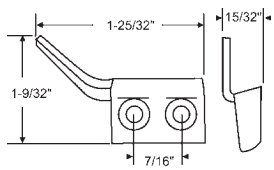
Part #	A	B
39-78	1/2"	4-41/64"
39-79	9/16"	4-19/32"



39-77
Die Cast

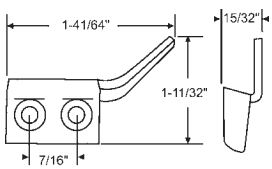


39-729
Die Cast



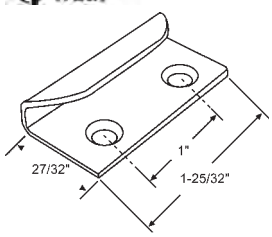
Part #	Hand
39-220	Shown
39-221	Opposite

Maxim® Multipoint Lock Keeper.
For Cone Roller System



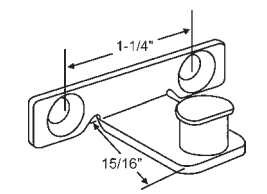
Part #	Hand
50-227	Shown
50-226	Opposite

Maxim® Multipoint Lock Keeper.
Used with Cone Tie Bars.



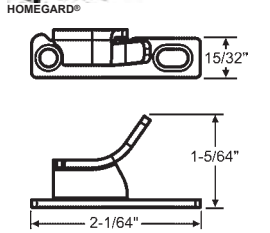
Part #	Finish
50-921	Beige

Zinc Die Cast. Maxim®

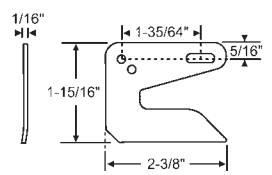


Part #	Finish
50-883	E-Gard Finish

Maxim®. For Concealed
Multipoint

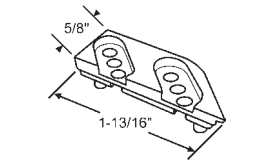


Part #	Hand	Finish
50-1117	Shown	E-Gard
50-1118	Opposite	E-Gard



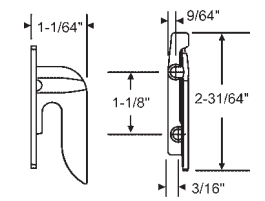
Part #	Hand
50-772	Shown
50-771	Opposite

For Interlock Roller System



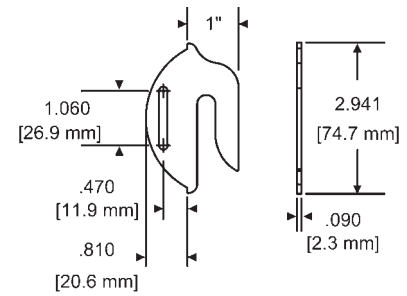
Part #	Hand
39-895	Shown
39-896	Opposite

White Nylon

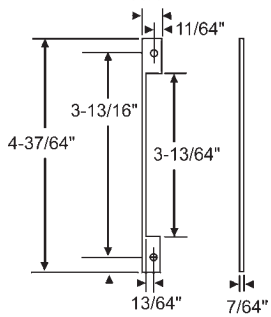


Part #	Hand
50-1115LH	Shown
50-1115RH	Opposite

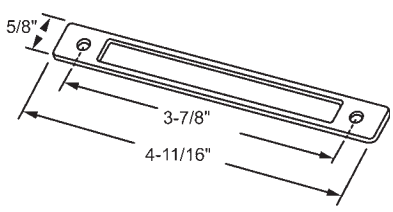
Flange Keeper. Steel E-Gard



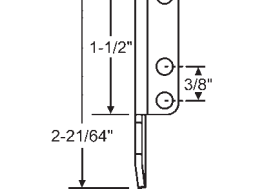
50-1113
Biscuit Keeper
Stainless Steel



34-145
Support Plate



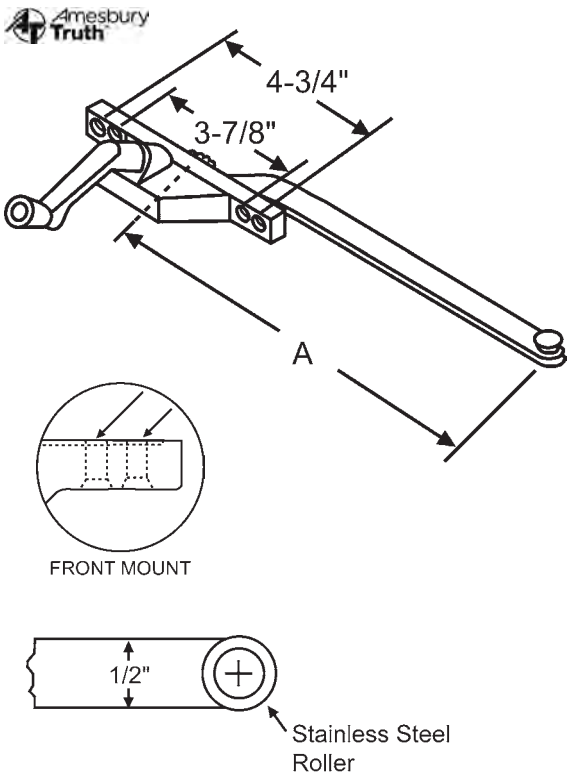
34-153
Handle Plate Guide. White. Plastic



Part #	Hand
34-215LH	Shown
34-215RH	Opposite

FACE MOUNTED CASEMENT OPERATORS

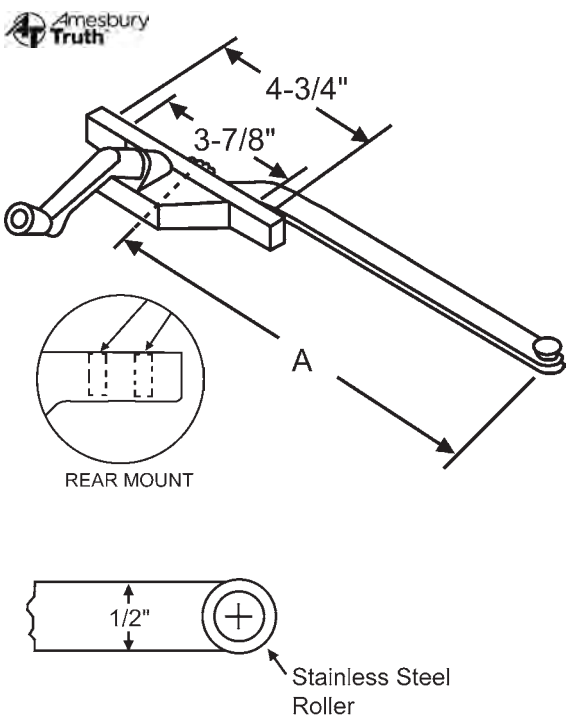
TRUTH'S SINGLE ARM CASEMENT OPERATORS - FRONT MOUNT



Part #	Hand	Arm Length ("A")	Finish	Roller
36-323-8	Shown	7-1/2"	Chestnut Bronze	Stainless Steel
36-324-8	Opposite	7-1/2"	Chestnut Bronze	Stainless Steel
36-323-10	Shown	7-1/2"	Black	Stainless Steel
36-324-10	Opposite	7-1/2"	Black	Stainless Steel
36-433-1	Shown	9-1/2"	Bronze	Stainless Steel
36-434-1	Opposite	9-1/2"	Bronze	Stainless Steel
36-433-3	Shown	9-1/2"	White	Stainless Steel
36-434-3	Opposite	9-1/2"	White	Stainless Steel
36-433-8	Shown	9-1/2"	Chestnut Bronze	Stainless Steel
36-434-8	Opposite	9-1/2"	Chestnut Bronze	Stainless Steel
36-433-10	Shown	9-1/2"	Black	Stainless Steel
36-434-10	Opposite	9-1/2"	Black	Stainless Steel
36-431-1	Shown	13-1/2"	Bronze	Stainless Steel
36-432-1	Opposite	13-1/2"	Bronze	Stainless Steel
36-431-8	Shown	13-1/2"	Chestnut Bronze	Stainless Steel
36-432-8	Opposite	13-1/2"	Chestnut Bronze	Stainless Steel
36-431-10	Shown	13-1/2"	Black	Stainless Steel
36-432-10	Opposite	13-1/2"	Black	Stainless Steel

Handle sold separately. See Pages 247 - 251

TRUTH'S SINGLE ARM CASEMENT OPERATORS - REAR MOUNT



Part #	Hand	Arm Length ("A")	Finish	Roller
36-338-9	Shown	7-1/2"	Beige	Stainless Steel
36-339-9	Opposite	7-1/2"	Beige	Stainless Steel
36-338-10	Shown	7-1/2"	Black	Stainless Steel
36-339-10	Opposite	7-1/2"	Black	Stainless Steel
36-444-3	Shown	9-1/2"	White	Stainless Steel
36-445-3	Opposite	9-1/2"	White	Stainless Steel
36-444-8	Shown	9-1/2"	Chestnut Bronze	Stainless Steel
36-445-8	Opposite	9-1/2"	Chestnut Bronze	Stainless Steel
36-444-13	Shown	9-1/2"	Brush Copper Nickel	Stainless Steel
36-445-13	Opposite	9-1/2"	Brush Copper Nickel	Stainless Steel
36-439-1	Shown	13-1/2"	Bronze	Stainless Steel
36-440-1	Opposite	13-1/2"	Bronze	Stainless Steel
36-439-3	Shown	13-1/2"	White	Stainless Steel
36-440-3	Opposite	13-1/2"	White	Stainless Steel
36-439-7	Shown	13-1/2"	Aluminum	Stainless Steel
36-440-7	Opposite	13-1/2"	Aluminum	Stainless Steel
36-439-8	Shown	13-1/2"	Chestnut Bronze	Stainless Steel
36-440-8	Opposite	13-1/2"	Chestnut Bronze	Stainless Steel
36-439-10	Shown	13-1/2"	Black	Stainless Steel
36-440-10	Opposite	13-1/2"	Black	Stainless Steel
36-439-13	Shown	13-1/2"	Brush Copper Nickel	Stainless Steel
36-440-13	Opposite	13-1/2"	Brush Copper Nickel	Stainless Steel

Handle sold separately. See Pages 247 - 251

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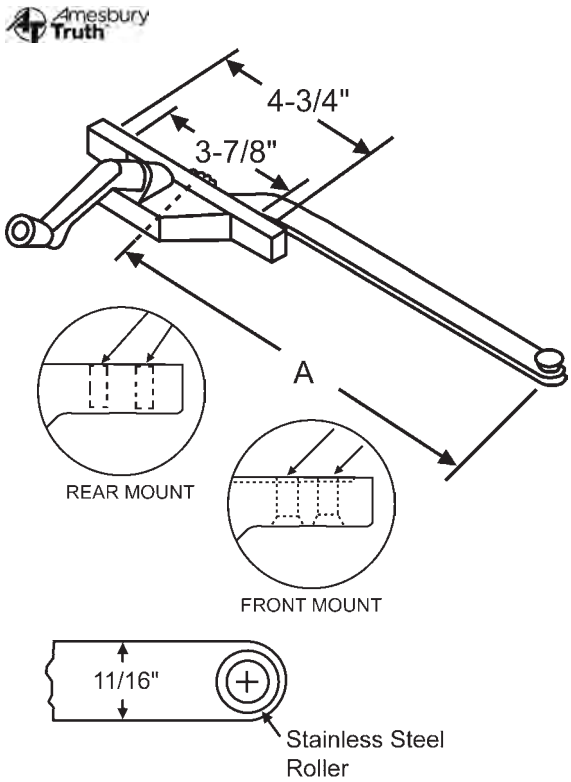
FACE MOUNTED CASEMENT OPERATORS

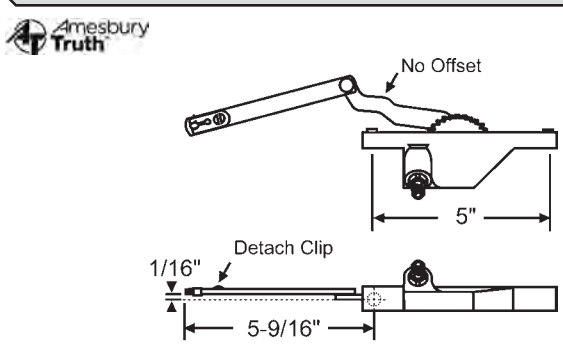
TRUTH'S SINGLE ARM CASEMENT OPERATORS - FRONT & REAR MOUNT



Part #	Hand	Mounting	Arm Length ("A")	Finish
36-230-8	Shown	Front	6"	Chestnut Bronze
36-231-8	Opposite	Front	6"	Chestnut Bronze
36-220-3	Shown	Front	9"	White
36-221-3	Opposite	Front	9"	White
36-220-7	Shown	Front	9"	Aluminum
36-221-7	Opposite	Front	9"	Aluminum
36-220-8	Shown	Front	9"	Chestnut Bronze
36-221-8	Opposite	Front	9"	Chestnut Bronze
36-222-1	Shown	Front	11"	Bronze
36-223-1	Opposite	Front	11"	Bronze
36-222-3	Shown	Front	11"	White
36-223-3	Opposite	Front	11"	White
36-222-6	Shown	Front	11"	Clay
36-223-6	Opposite	Front	11"	Clay
36-222-7	Shown	Front	11"	Aluminum
36-223-7	Opposite	Front	11"	Aluminum
36-222-8	Shown	Front	11"	Chestnut Bronze
36-223-8	Opposite	Front	11"	Chestnut Bronze
36-223-10	Opposite	Front	11"	Black
36-224-3	Shown	Rear	9"	White
36-225-3	Opposite	Rear	9"	White
36-224-13	Shown	Rear	9"	Brushed Copper Nickel
36-225-13	Opposite	Rear	9"	Brushed Copper Nickel
36-226-3	Shown	Rear	11"	White
36-227-3	Opposite	Rear	11"	White
36-226-8	Shown	Rear	11"	Chestnut Bronze
36-227-8	Opposite	Rear	11"	Chestnut Bronze
36-226-10	Shown	Rear	11"	Black
36-227-10	Opposite	Rear	11"	Black

Handle sold separately. See Pages 247 - 251

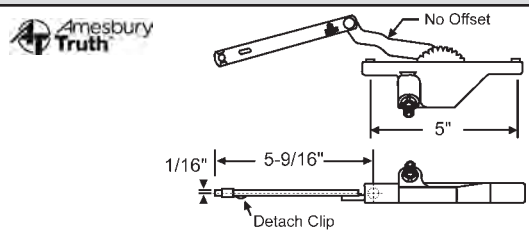
TRUTH'S REAR MOUNT DYAD CASEMENT OPERATORS



Part #	Hand	Finish
36-240-3	Shown	White
36-241-3	Opposite	White
36-241-6	Opposite	Clay
36-240-10	Shown	Black
36-241-10	Opposite	Black

Handle sold separately. See Pages 247 - 251

Note: Detached clips can be reversed in the field.



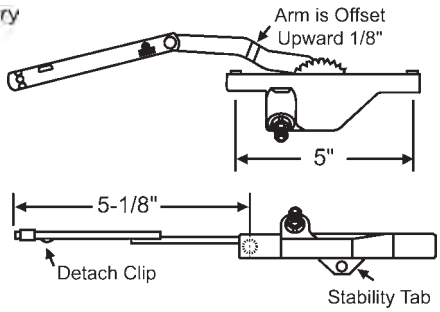
Part #	Hand	Finish
36-244-1	Shown	Bronze
36-245-1	Opposite	Bronze
36-244-3	Shown	White
36-245-3	Opposite	White
36-244-8	Shown	Chestnut Bronze
36-245-8	Opposite	Chestnut Bronze
36-244-8NEG	Shown	Chestnut Bronze (Non E-Gard)
36-245-8NEG	Opposite	Chestnut Bronze (Non E-Gard)
36-244-14	Shown	Cocoa Brown
36-245-14	Opposite	Cocoa Brown
36-244-14NEG	Shown	Cocoa Brown (Non E-Gard)
36-245-14NEG	Opposite	Cocoa Brown (Non E-Gard)
36-244-29	Shown	Bright White
36-245-29	Opposite	Bright White
36-244-29NEG	Shown	Bright White (Non E-Gard)
36-245-29NEG	Opposite	Bright White (Non E-Gard)

Handle sold separately. See Pages 247 - 251

Note: Detached clips can be reversed in the field.

FACE MOUNTED CASEMENT OPERATORS

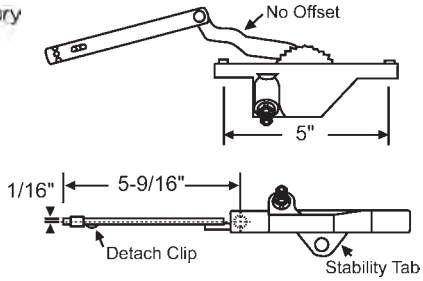
TRUTH'S REAR MOUNT DYAD CASEMENT OPERATORS



Part #	Hand	Finish
36-280-1	Shown	Bronze
36-281-1	Opposite	Bronze
36-280-9	Shown	Beige
36-281-9	Opposite	Beige
36-280-29	Shown	Bright White
36-281-29	Opposite	Bright White

Handle sold separately. See Pages 247 - 251

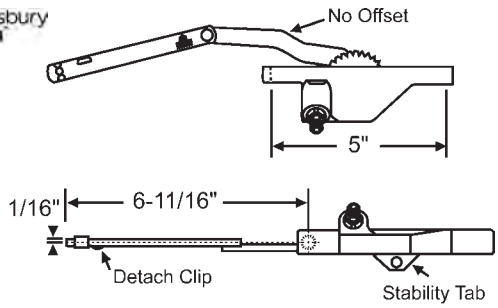
Note: Detached clips can be reversed in the field.



Part #	Hand	Finish
36-264-3	Shown	White
36-265-3	Opposite	White
36-264-9	Shown	Beige
36-265-9	Opposite	Beige
36-264-9CG	Shown	Coast-Gard
36-265-9CG	Opposite	Coast-Gard
36-264-29	Shown	Bright White
36-265-29	Opposite	Bright White

Handle sold separately. See Pages 247 - 251

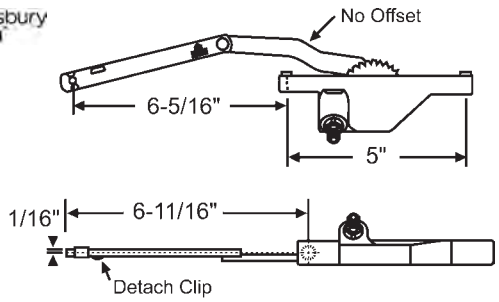
Note: Detached clips can be reversed in the field.



Part #	Hand	Finish
36-274-3	Shown	White
36-275-3	Opposite	White
36-274-6NEG	Shown	Clay
36-275-6NEG	Opposite	Clay
36-274-9	Shown	Beige
36-275-9	Opposite	Beige

Handle sold separately. See Pages 247 - 251

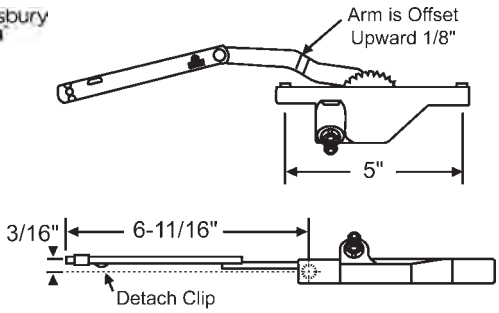
Note: Detached clips can be reversed in the field.



Part #	Hand	Finish
36-254-3	Shown	White
36-255-3	Opposite	White
36-254-6	Shown	Clay
36-255-6	Opposite	Clay
36-254-1	Shown	Bronze
36-255-1	Opposite	Bronze

Handle sold separately. See Pages 247 - 251

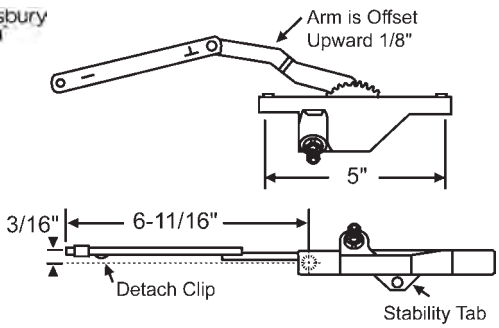
Note: Detached clips can be reversed in the field.



Part #	Hand	Finish
36-256-8	Shown	Chestnut Bronze
36-257-8	Opposite	Chestnut Bronze
36-256-4	Shown	Coppertone
36-257-4	Opposite	Coppertone

Handle sold separately. See Pages 247 - 251

Note: Detached clips can be reversed in the field.



Part #	Hand	Finish
36-276-3	Shown	White
36-277-3	Opposite	White

Handle sold separately. See Pages 247 - 251

Note: Detached clips can be reversed in the field.

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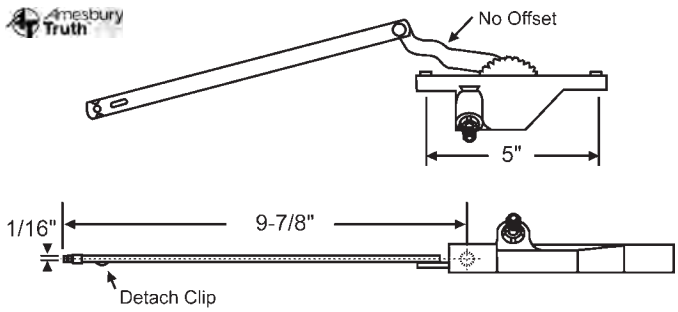
FACE MOUNTED CASEMENT OPERATORS

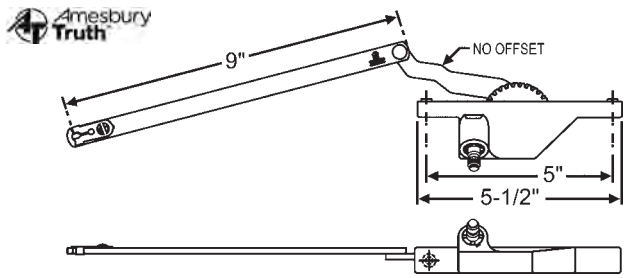
TRUTH'S REAR MOUNT DYAD CASEMENT OPERATORS



Part #	Hand	Finish
36-248-1	Shown	Bronze
36-249-1	Opposite	Bronze
36-248-3	Shown	White
36-249-3	Opposite	White

Handle sold separately. See Pages 247 - 251

Note: Detached clips can be reversed in the field.

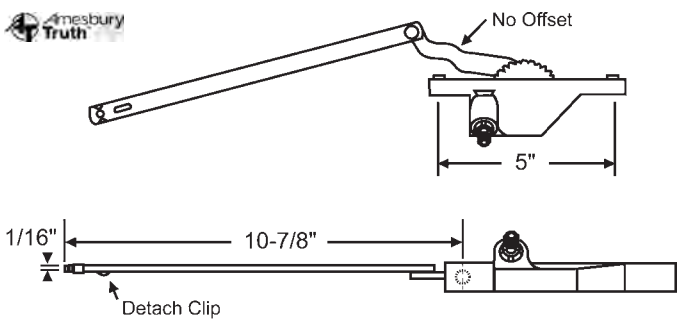


Part #	Hand	Finish
36-238-10	Shown	Black
36-239-10	Opposite	Black
36-238-3	Shown	White
36-239-3	Opposite	White
36-238-8	Shown	Chestnut Bronze
36-239-8	Opposite	Chestnut Bronze
36-238-6	Shown	Clay
36-239-6	Opposite	Clay

Handle sold separately. See Pages 247 - 251

Note: Detached clips can be reversed in the field.

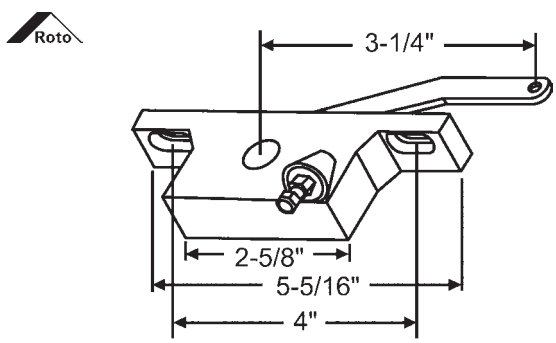
FACE MOUNTED CASEMENT OPERATORS



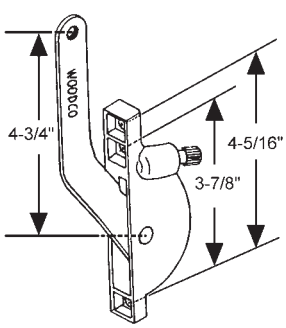
Part #	Hand	Finish
36-252-1	Shown	Bronze
36-253-1	Opposite	Bronze
36-252-3NEG	Shown	White
36-253-3NEG	Opposite	White

Handle sold separately. See Pages 247 - 251

Note: Detached clips can be reversed in the field.

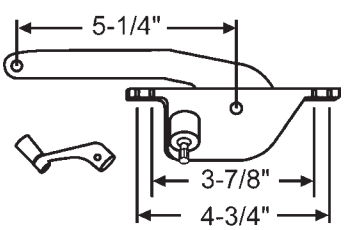


No Longer Available
Handle Sold Separately. See 37-159 or 37-159W on Page 248.
Some Covers are Available. See Page 246-247



Part #	Description	Finish
900-14122	Flat Arm (shown)	Aluminum

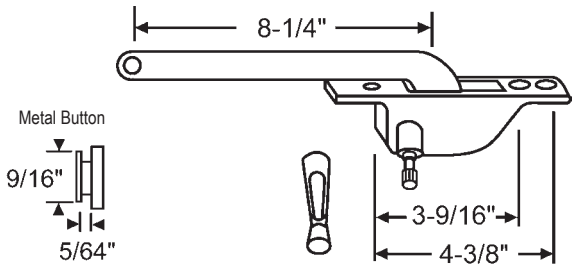
Handle Included
WOODCO



Part #	Hand	Finish	"T" Handles	Handle Only
36-138	Shown	Bronze	37-106BR	37-111
36-139	Opposite	Bronze	37-106BR	37-111
36-140	Shown	Aluminum	37-106	37-112
36-141	Opposite	Aluminum	37-106	37-112

Handle Included. Hand knobs use 5/16" size only.

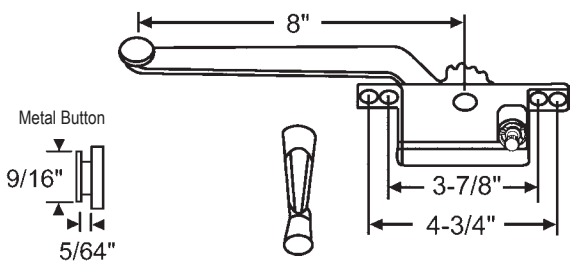
FACE MOUNTED CASEMENT OPERATORS



Part #	Hand	Finish	"T" Handles	Handle Only
36-134	Shown	Brown	37-106BR	37-111
36-135	Opposite	Brown	37-106BR	37-111

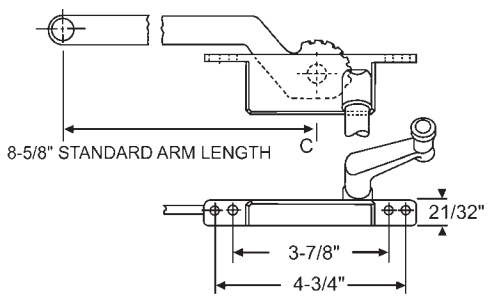
Die Cast - Handle Included

THORN/DORCHESTER



Part #	Hand	Finish	"T" Handles	Handle Only
36-110	Shown	Aluminum	37-113	37-100
36-104	Opposite	Aluminum	37-113	37-100
36-111	Shown	Brown	37-113B	37-101
36-109	Opposite	Brown	37-113B	37-101

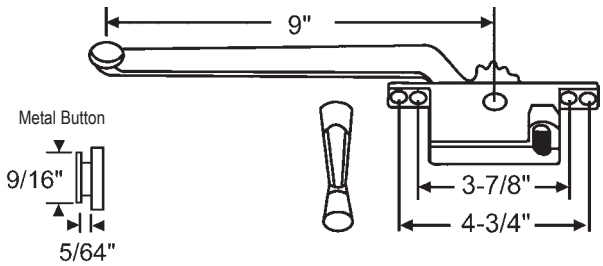
Handle Included



Part #	Hand	Finish
36-143	Opposite	Light Bronze
36-142	Shown	Light Bronze
36-143AL	Opposite	Aluminum
36-142AL	Shown	Aluminum

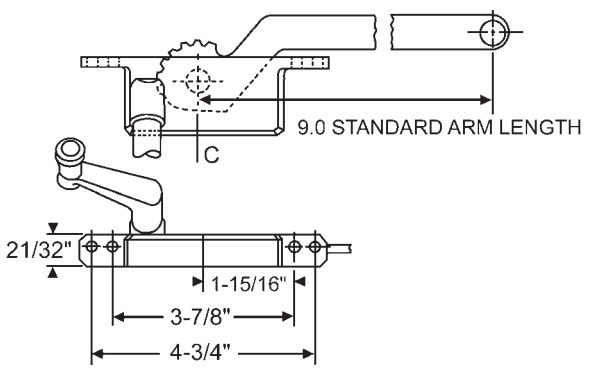
Handle Included.

DORCHESTER



Part #	Hand	Finish	"T" Handles	Handle Only
36-114	Shown	Aluminum	37-113	37-100
36-112	Opposite	Aluminum	37-113	37-100
36-114W	Shown	White	37-113W	37-100W
36-112W	Opposite	White	37-113W	37-100W
36-115	Shown	Brown	37-113B	37-101
36-113	Opposite	Brown	37-113B	37-101

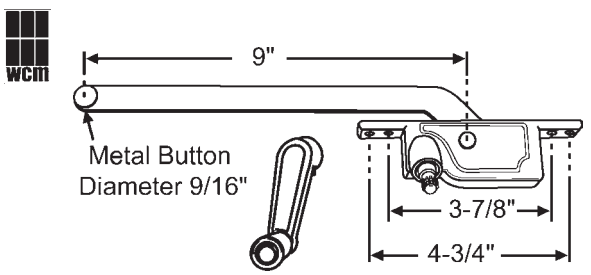
Die Cast - Handle Included. Hand knobs use 3/8" size only.



Part #	Hand	Finish	Package
36-143-9	Shown	Light Bronze	Bagged
36-142AL-9	Opposite	Aluminum	Bagged

Handle Included

DORCHESTER



Part #	Hand	Finish
36-448	Shown	Aluminum
36-446	Opposite	Aluminum
36-449	Shown	WCM Bronze
36-447	Opposite	WCM Bronze

Handle Included

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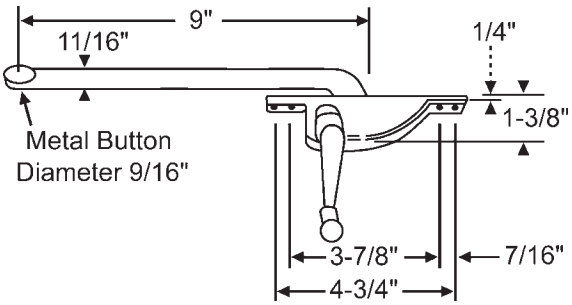
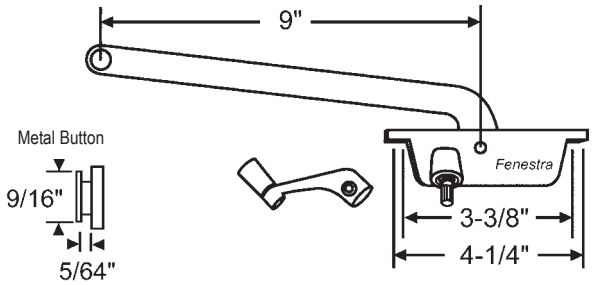
FACE MOUNTED CASEMENT OPERATORS



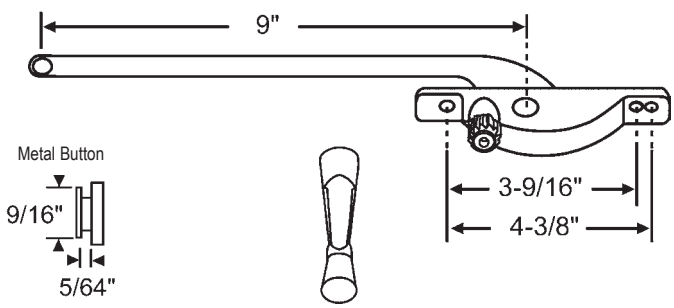
Part #	Hand	Finish
36-314	Shown	Aluminum
36-312	Opposite	Aluminum
36-313	Shown	Bronze
36-311	Opposite	Bronze

Handle Included



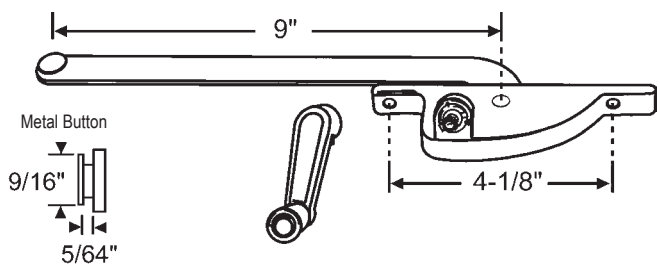
Part #	Hand	Finish
36-130	Shown	Aluminum
36-131	Opposite	Aluminum
36-130BZ	Shown	Bronze
36-131BZ	Opposite	Bronze

Handle Included
T-Handle Only: 37-106 (Aluminum); Additional Crank Handle: 37-112 (Aluminum)
FENESTRA



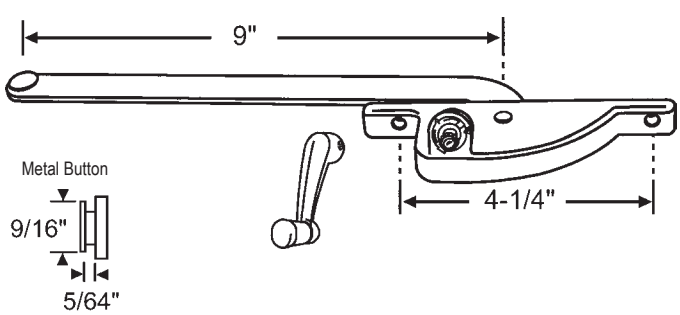
Part #	Hand	Finish	"T" Handles	Handle Only
36-102	Shown	Aluminum	37-106	37-112
36-100	Opposite	Aluminum	37-106	37-112
36-103	Shown	Brown	37-106BR	37-111
36-101	Opposite	Brown	37-106BR	37-111

Handle Included
THORN



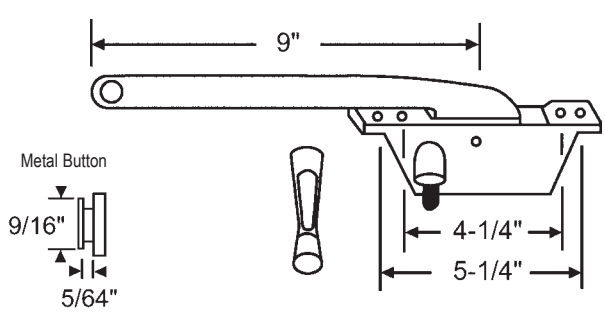
Part #	Hand	Finish	"T" Handles	Handle Only
36-118	Shown	Aluminum	37-106	37-112
36-116	Opposite	Aluminum	37-106	37-112
36-119B	Shown	Bronze	37-106BR	37-111
36-117B	Opposite	Bronze	37-106BR	37-111

Handle Included
HOPE'S



Part #	Hand	Finish	"T" Handles	Handle Only
36-107	Shown	Aluminum	37-106	37-112
36-105	Opposite	Aluminum	37-106	37-112
36-108	Shown	Brown	37-106BR	37-111
36-106	Opposite	Brown	37-106BR	37-111

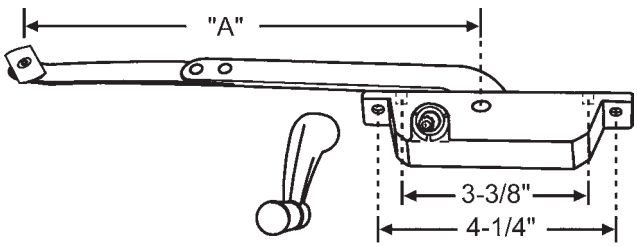
Handle Included



Part #	Hand	Finish	"T" Handles	Handle Only
36-136	Shown	Aluminum	37-106	37-112
36-137	Opposite	Aluminum	37-106	37-112
36-136BZ	Shown	Bronze	37-106BR	37-112DBZ
36-137BZ	Opposite	Bronze	37-106BR	37-112DBZ

Handle Included
Use with Casement Track 38-51.
FENESTRA

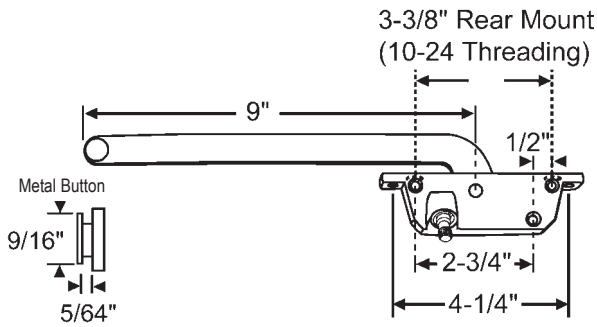
FACE MOUNTED CASEMENT OPERATORS



Part #	Hand	Finish	"A"
36-150-9	Shown	Aluminum	9"
36-151-9	Opposite	Aluminum	9"
36-150	Shown	Aluminum	13"
36-151	Opposite	Aluminum	13"

Handle Included. Hand knobs use 5/16" size only.

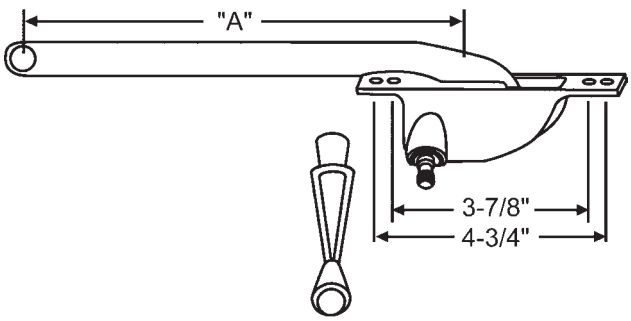
FENESTRA



Part #	Hand	Finish
36-132	Shown	Brown
36-133	Opposite	Brown
36-132AL	Shown	Aluminum
36-133AL	Opposite	Aluminum

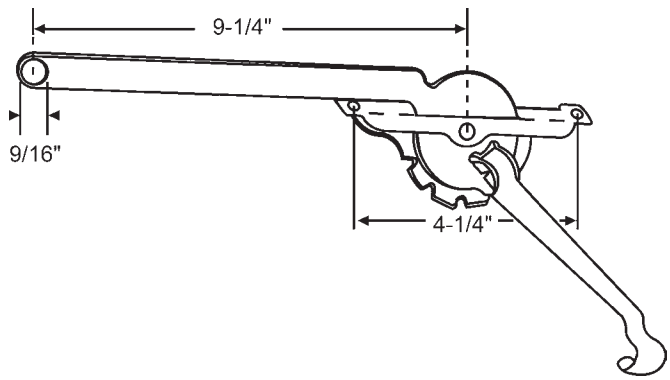
Die Cast - Handle Included

FENESTRA



Part #	Hand	Finish	"A"
900-19855LH	Opposite	Aluminum	9"
900-19855RH	Shown	Aluminum	9"
900-13148LH	Opposite	Aluminum	11"
900-13148RH	Shown	Aluminum	11"

Intermediate Operator. Handle & Installation Screws #20-283 Included
Hope's 9003HD Replacement

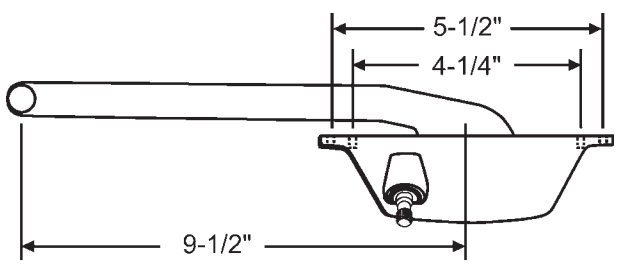


Part #	Hand	Finish	Handle Length
36-524RH-9SV	Shown	Silver	9"
36-524LH-9SV	Opposite	Silver	9"

Lever Operator

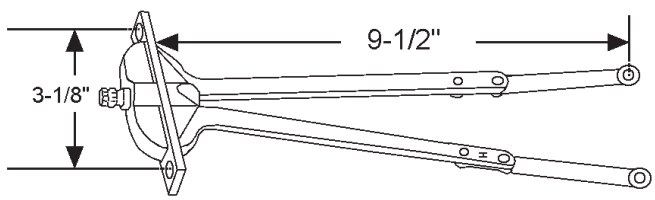
FENESTRA

GREENHOUSE OPERATOR



Part #	Hand	Finish
900-9653LH	Opposite	White Bronze
900-9653RH	Shown	White Bronze

Handle Included
Polished Lacquered Finish



Part #	Finish
900-21266BK	Black

Handle Included
2 Hole Greenhouse Operator

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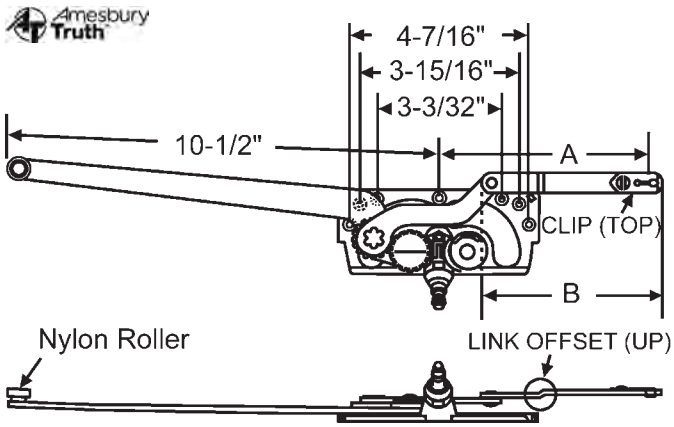
SILL MOUNTED CASEMENT OPERATORS

TRUTH'S ENTRYGARD DUAL ARM OPERATORS

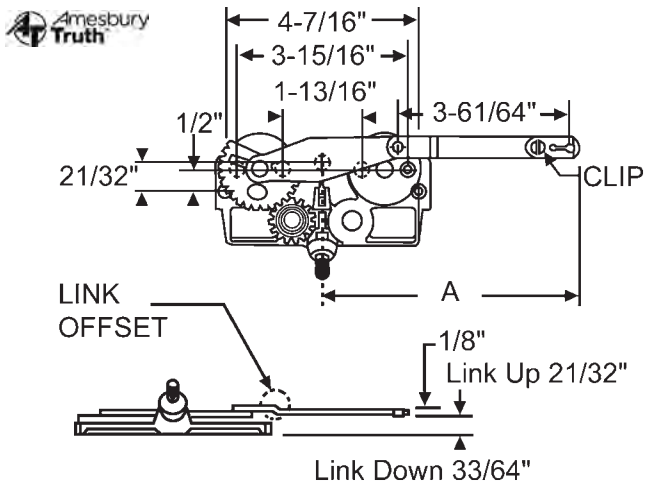


Part #	A	B	Hand	Link Offset	Clip	Finish
36-173	5-17/64"	4-7/16"	Shown	Up	Top	E-Gard
36-174	5-17/64"	4-7/16"	Opposite	Up	Top	E-Gard
36-181	5-17/64"	4-7/16"	Shown	Up	Top	Stainless Steel
36-182	5-17/64"	4-7/16"	Opposite	Up	Top	Stainless Steel
36-192	5-17/64"	4-7/16"	Shown	Down	Top	E-Gard
36-191	5-17/64"	4-7/16"	Opposite	Down	Top	E-Gard
36-335	5-17/64"	4-7/16"	Shown	Down	Bottom	E-Gard
36-336	5-17/64"	4-7/16"	Opposite	Down	Bottom	E-Gard
36-183	2-59/64"	2-7/8"	Shown	Up	Top	E-Gard
36-184	2-59/64"	2-7/8"	Opposite	Up	Top	E-Gard
36-186	4-5/8"	3-3/4"	Shown	Up	Top	E-Gard
36-185	4-5/8"	3-3/4"	Opposite	Up	Top	E-Gard

Handle and cover sold separately. See Pages 246 - 251

Note: Detached clips can be reversed in the field.

TRUTH'S ENTRYGARD DYAD ARM OPERATORS

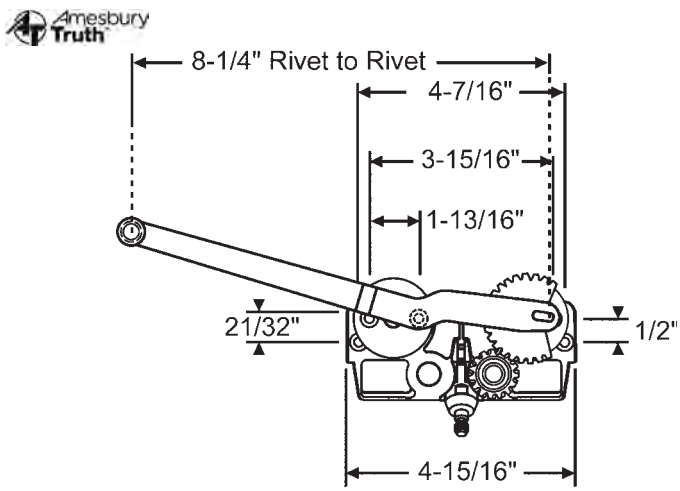


Part #	Hand	Link Offset	Clip	A	Arm
36-177	Shown	Down	Top	6"	Bent
36-178	Opposite	Down	Top	6"	Bent
36-177MOD	Shown	Down	Top	8-1/2"	Straight
36-178MOD	Opposite	Down	Top	8-1/2"	Straight
36-193	Shown	Up	Top	6"	Bent
36-194	Opposite	Up	Top	6"	Bent
36-199	Opposite	Down	Bottom	6"	Bent
36-199CG	Opposite	Down	Bottom	6"	Bent
36-200	Shown	Down	Bottom	6"	Bent
36-200CG	Shown	Down	Bottom	6"	Bent

Handle and cover sold separately. See Pages 246 - 251

Note: Detached clips can be reversed in the field.

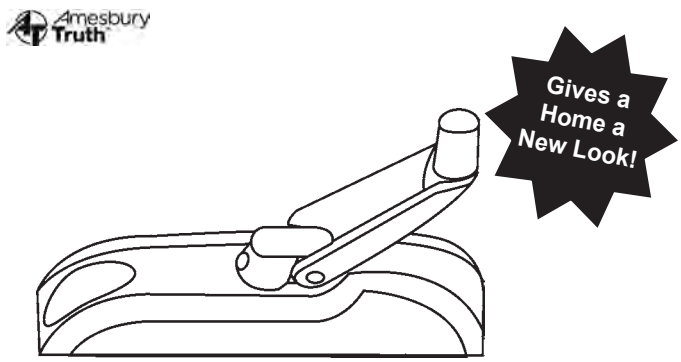
TRUTH'S ENTRYGARD SINGLE ARM OPERATORS



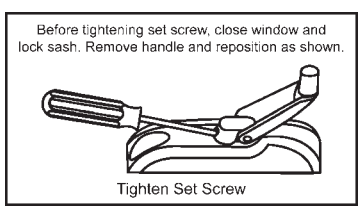
Part #	Hand
36-290LH	Shown
36-290RH	Opposite

Handle and cover sold separately. See Pages 246 - 251

TRUTH'S ENTRYGARD FOLDING HANDLE CONVERSION KIT



Converts crank handle to a folding handle. Just remove handle and cover, and install over operator.

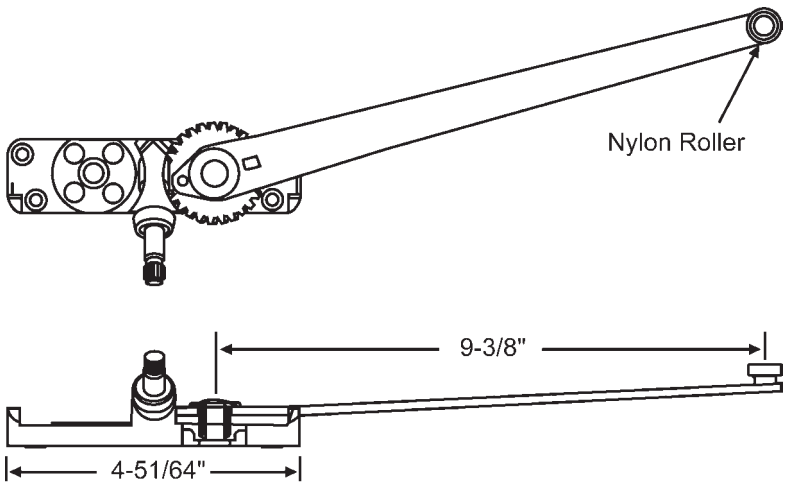


Part #	Finish
37-220-1	Bronze
37-220-3	White

Folding Handle System.
Non-Hand. Fits all Entrygard products.
Other finishes available

SILL MOUNTED CASEMENT OPERATORS

TRUTH'S CONCEALED OPERATORS



Part #	Hand
36-294	Shown

Handle sold separately. See Pages 247 - 251

Concealed Single Arm Operator

SILL MOUNTED CASEMENT OPERATORS

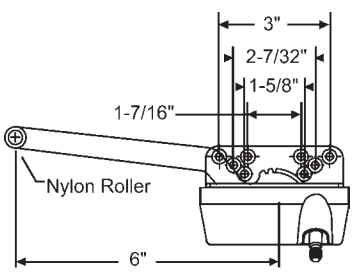
NOTE: Truth Hardware has Discontinued their 15 Series "**Traditional Case**" Style Operators. They will be replaced by the **Ellipse Case** which is a more Contour and Contemporary Design. They are a Direct Replacement, only difference is the case design.

Presently, we still have inventory on some of the Traditional Case Design; but once Our Stock has been depleted you will need to begin ordering the replacement Ellipse Case Design.

We have laid out Our Catalog pages showing both designs side by side to make this transition a little easier for your ordering.

SINGLE ARM OPERATORS

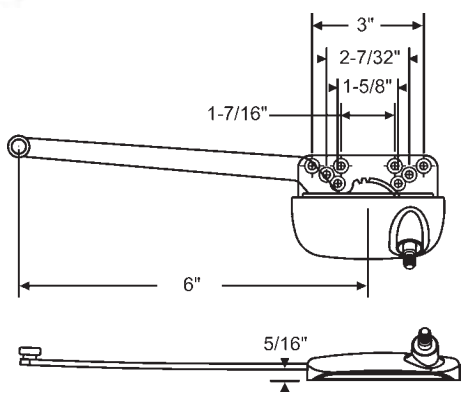
TRUTH'S TRADITIONAL STYLE CASE



Part #	Hand	Finish
36-213-1S	Shown	Bronze
36-213-3S	Shown	White
36-211-3S	Opposite	White
36-213-6	Shown	Clay
36-211-6	Opposite	Clay

Handle sold separately. See Pages 247 - 251

TRUTH'S ELLIPSE STYLE CASE



Part #	Hand	Finish
36-213-3E	Shown	White
36-211-3E	Opposite	White
36-213-1E	Shown	Bronze
36-211-1E	Opposite	Bronze

Handle sold separately. See Pages 247 - 251

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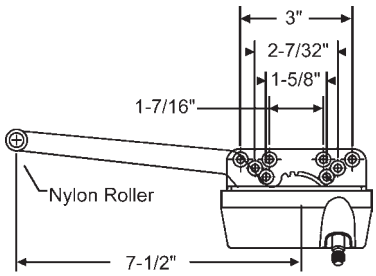
SILL MOUNTED CASEMENT OPERATORS

SINGLE ARM OPERATORS

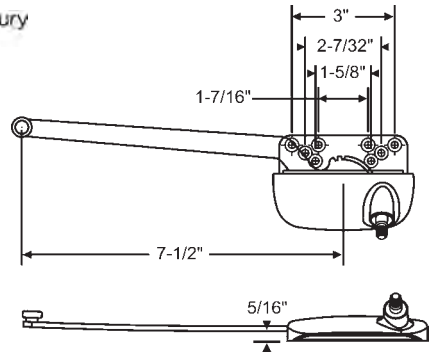
TRUTH'S TRADITIONAL STYLE CASE



Part #	Hand	Finish
36-216-1S	Shown	Bronze
36-216-2S	Shown	Gold
36-215-2S	Opposite	Gold
36-216-3S	Shown	White
36-215-3S	Opposite	White

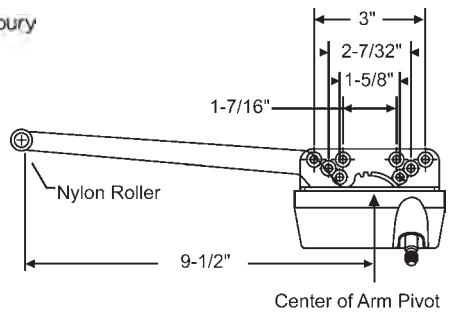
Handle sold separately. See Pages 247 - 251

TRUTH'S ELLIPSE STYLE CASE



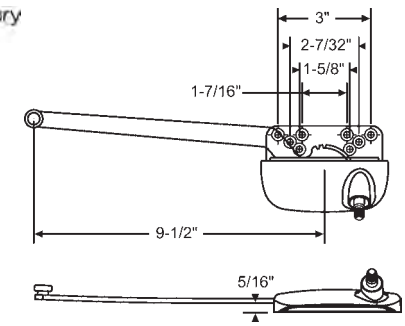
Part #	Hand	Finish
36-216-3E	Shown	White
36-215-3E	Opposite	White
36-216-1E	Shown	Bronze
36-215-1E	Opposite	Bronze

Handle sold separately. See Pages 247 - 251



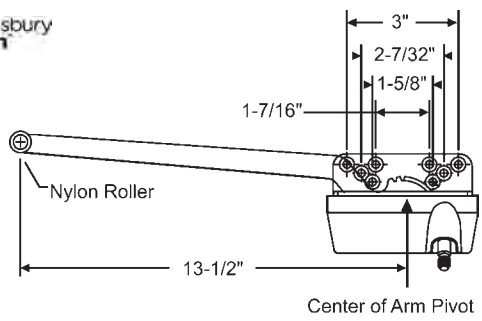
Part #	Hand	Finish
36-128-1S	Shown	Bronze
36-129-2S	Opposite	Gold
36-129-3S	Opposite	White

Handle sold separately. See Pages 247 - 251

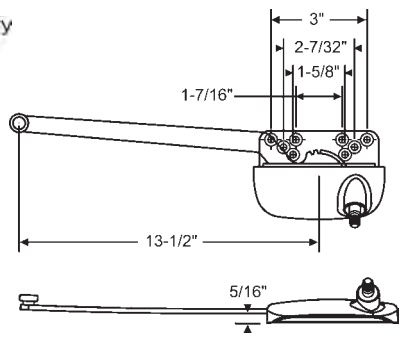


Part #	Hand	Finish
36-128-3E	Shown	White
36-129-3E	Opposite	White
36-128-1E	Shown	Bronze
36-129-1E	Opposite	Bronze
36-128-87E	Shown	Gold
36-129-87E	Opposite	Gold

Handle sold separately. See Pages 247 - 251



This operator is no longer available.
Use Ellipse Style



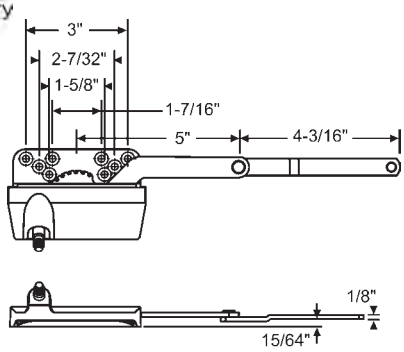
Part #	Hand	Finish
36-152-3E	Shown	White
36-154-3E	Opposite	White
36-152-1E	Shown	Bronze
36-154-1E	Opposite	Bronze
36-152-87E	Shown	Gold
36-154-87E	Opposite	Gold

Handle sold separately. See Pages 247 - 251

SILL MOUNTED CASEMENT OPERATORS

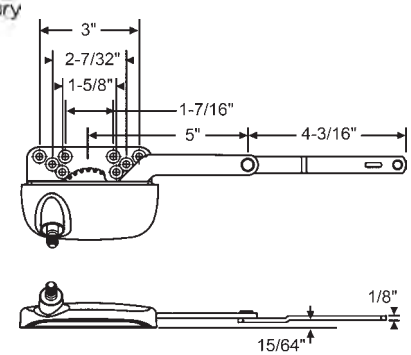
SPLIT ARM OPERATORS

TRUTH'S TRADITIONAL STYLE CASE



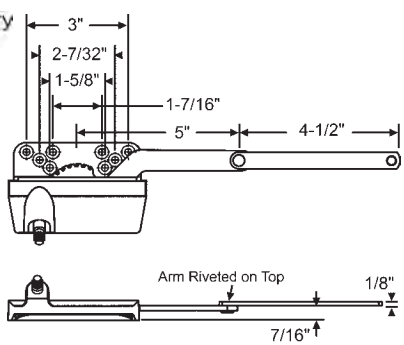
This operator is no longer available.
Use Ellipse Style

TRUTH'S ELLIPSE STYLE CASE



Part #	Hand	Finish
36-410-3E	Shown	White
36-411-3E	Opposite	White

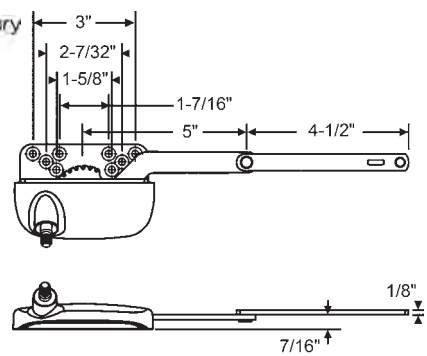
Handle sold separately. See Pages 247 - 251



Part #	Hand	Finish
36-391-3S	Shown	White

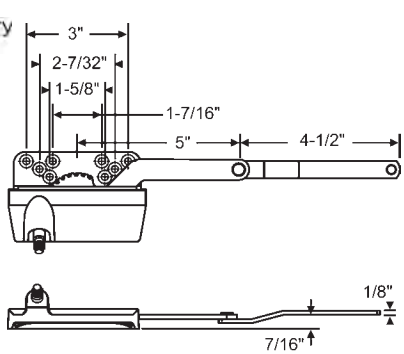
Dyad Operator without Detach Clip
Uses: 39-21 and 39-22 stud brackets. Detach clip sold separately as 39-207.

Handle sold separately. See Pages 247 - 251

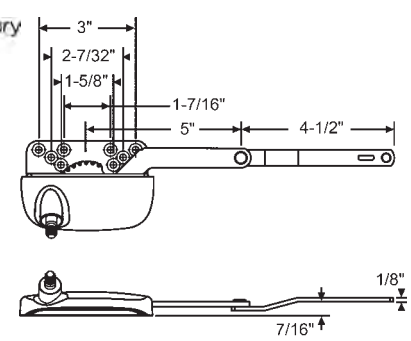


Part #	Hand	Finish
36-391-3E	Shown	White
36-390-3E	Opposite	White
36-391-87E	Shown	Gold (New)
36-390-87E	Opposite	Gold (New)
36-390-2E	Opposite	Gold

Handle sold separately. See Pages 247 - 251



This operator is no longer available.
Use Ellipse Style



Part #	Hand	Finish
36-205-1E	Shown	Bronze
36-206-1E	Opposite	Bronze
36-205-3E	Shown	White
36-206-3E	Opposite	White
36-205-87E	Shown	Gold (New)
36-206-87E	Opposite	Gold (New)

Handle sold separately. See Pages 247 - 251

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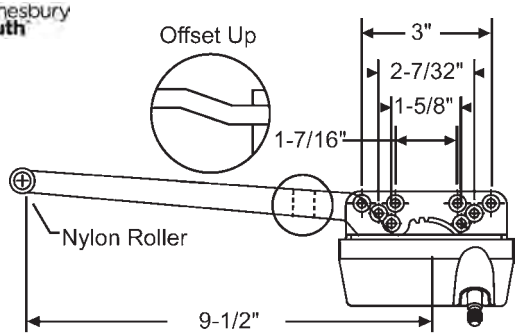
SILL MOUNTED CASEMENT OPERATORS

SINGLE ARM OPERATORS

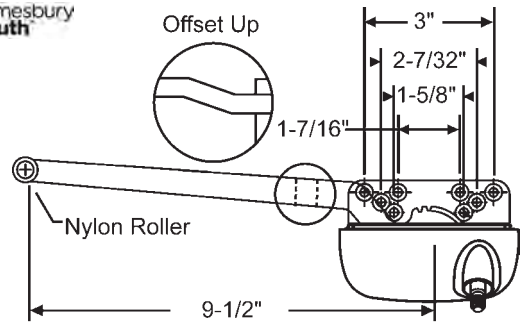
TRUTH'S TRADITIONAL STYLE CASE



Part #	Hand	Finish
36-377-3S	Shown	White
36-378-3S	Opposite	White

Handle sold separately. See Pages 247 - 251

TRUTH'S ELLIPSE STYLE CASE

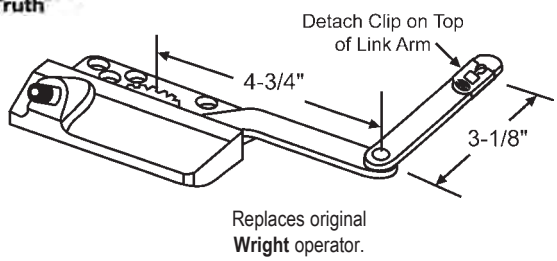


Part #	Hand	Finish
36-377-3E	Shown	White
36-378-3E	Opposite	White

Handle sold separately. See Pages 247 - 251

SPLIT ARM OPERATORS

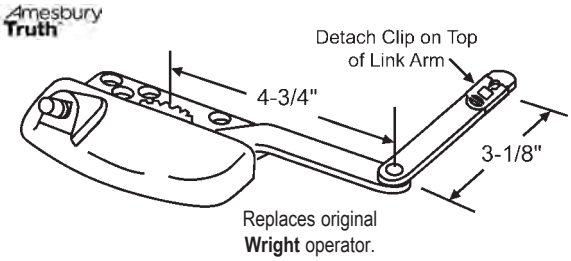
TRUTH'S TRADITIONAL STYLE CASE



Replaces original **Wright** operator.

This operator is no longer available.
Use Ellipse Style

TRUTH'S ELLIPSE STYLE CASE

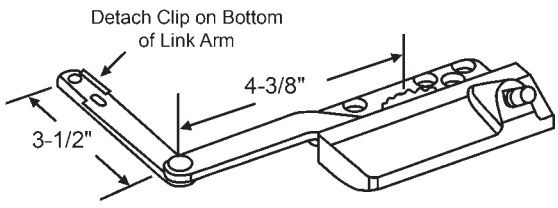


Replaces original **Wright** operator.

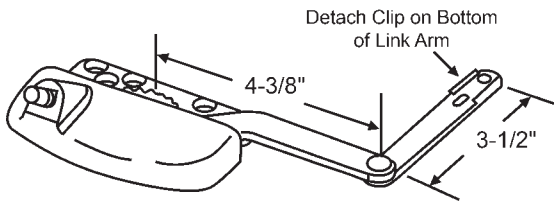
Part #	Hand	Finish
36-296-3E	Shown	White
36-295-3E	Opposite	White
36-296-2E	Shown	Gold
36-295-2E	Opposite	Gold

Split-Arm Operator

Handle sold separately. See Pages 247 - 251



This operator is no longer available.
Use Ellipse Style



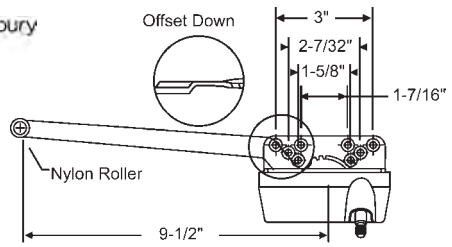
Part #	Hand	Finish
36-395-3E	Shown	White
36-396-3E	Opposite	White

Split Arm Operator

Handle sold separately. See Pages 247 - 251

SILL MOUNTED CASEMENT OPERATORS

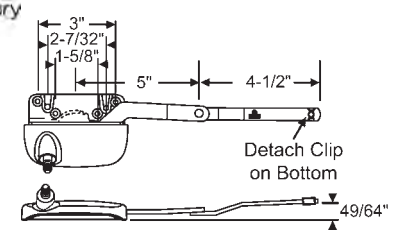
TRADITIONAL SINGLE ARM OPERATOR



Part #	Hand	Finish
36-122-2S	Shown	Gold
36-123-2S	Opposite	Gold
36-122-3S	Shown	White
36-123-3S	Opposite	White

Handle sold separately. See Pages 247 - 251

SPLIT ARM OPERATOR



Part #	Hand	Finish
36-327-3E	Shown	White
36-328-3E	Opposite	White

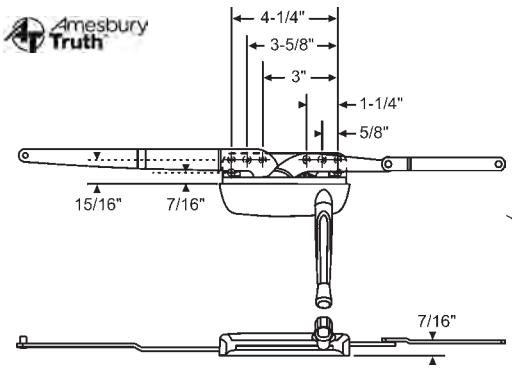
Dyad Operator without Detach Clip

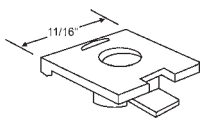
Note: Detached clips can be reversed in the field.

Handle sold separately. See Pages 247 - 251

TRUTH'S MAXIM® SERIES OPERATORS

The Maxim® Series is a window operating "system" where the hinges and operators are developed to work together to meet or exceed the "maximum" performance requirements of larger, more versatile casement and awning windows.



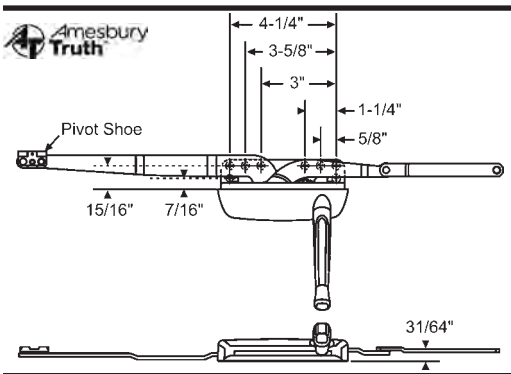


39-469
Casement Slider
Sold Separately

The Maxim® Series Dual Arm Operator is designed to operate sash sizes from 24" to 40" wide, 84" high and weighing up to 108 lbs.

Part #	Hand	Finish	Handle Only
36-368-1	Shown	Bronze	37-150-1
36-369-1	Opposite	Bronze	37-150-1
36-368-3	Shown	White	37-150-3
36-369-3	Opposite	White	37-150-3
36-368-9	Shown	Beige	37-150-9
36-369-9	Opposite	Beige	37-150-9
36-368-14	Shown	Cocoa Brown	37-150-14
36-369-14	Opposite	Cocoa Brown	37-150-14
36-368-87	Shown	Gold (New)	37-150-87
36-369-87	Opposite	Gold (New)	37-150-87

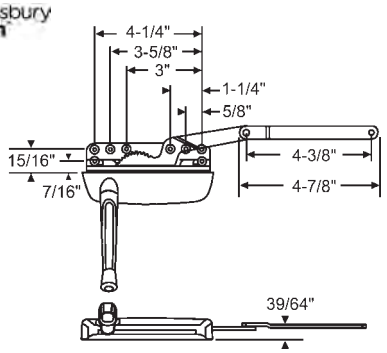
Handle sold separately. See Pages 247 - 251



The Maxim® Series Dual Arm Low Profile Operator is designed to operate sash sizes up to 24" to 40" wide, 84" high and weighing up to 108 lbs.

Part #	Hand	Finish	Handle Only
36-464-3	Shown	White	37-150-3
36-465-3	Opposite	White	37-150-3
36-465-14	Opposite	Cocoa Brown	37-150-14

Handle sold separately. See Pages 247 - 251



The Maxim® Series Dyad Operator is designed for narrow windows, but will operate a frame width from 16" to 32"; height up to 72" and a sash weight of up to 55 lbs.

Part #	Hand	Finish	Handle Only
36-371-1	Shown	Bronze	37-150-1
36-372-1	Opposite	Bronze	37-150-1
36-371-3	Shown	White	37-150-3
36-372-3	Opposite	White	37-150-3
36-371-9	Shown	Beige	37-150-9
36-372-9	Opposite	Beige	37-150-9
36-371-14	Shown	Cocoa Brown	37-150-14
36-372-14	Opposite	Cocoa Brown	37-150-14
36-371-29	Shown	Bright White	37-150-29
36-372-29	Opposite	Bright White	37-150-29

Handle sold separately. See Pages 247 - 251

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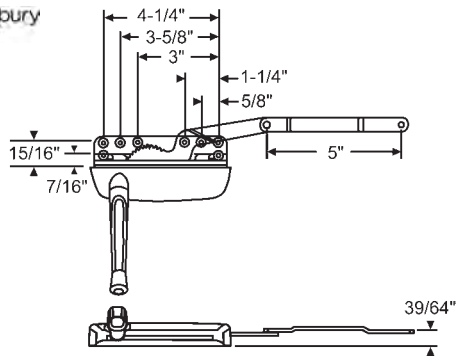
SILL MOUNTED CASEMENT OPERATORS

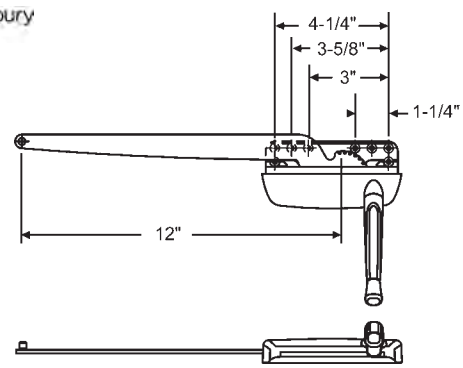
TRUTH'S MAXIM® SERIES OPERATORS



The Maxim® Series Reverse Dyad operators are designed for narrow windows, but will operate a frame width from 16" to 32"; height up to 72" and a sash weight up to 55 lbs.

Part #	Hand	Finish	Handle Only
36-373-1	Shown	Bronze	37-150-1
36-374-1	Opposite	Bronze	37-150-1
36-373-3	Shown	White	37-150-3
36-374-3	Opposite	White	37-150-3

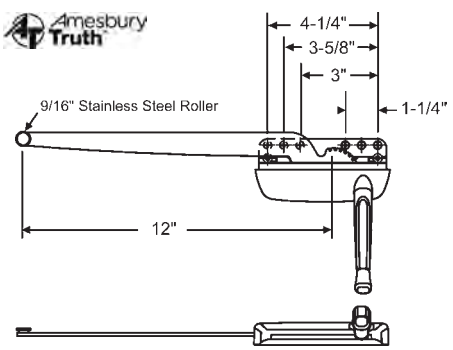
Handle sold separately. See Pages 247 - 251



The Maxim® Series Single Arm operators are designed for casement windows that operate sash sizes from 20" to 32" wide, up to 72" high and weighing up to 73 lbs.

Part #	Hand	Finish
36-402-3	Shown	White
36-403-3	Opposite	White

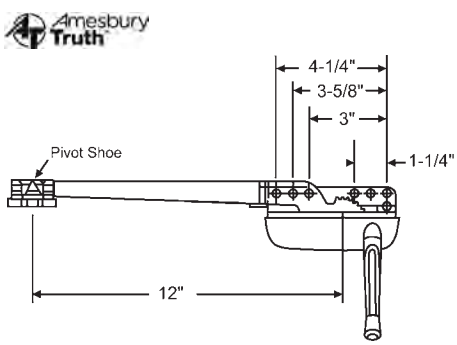
Handle sold separately. See Pages 247 - 251



The Maxim® Series Single Arm low profile operators are designed for casement windows that operate sash sizes from 20" to 32" wide, up to 72" high and weighing up to 73 lbs.

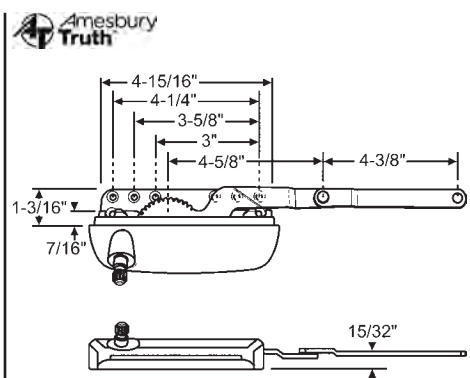
Part #	Hand	Finish
36-428-3	Shown	White
36-429-3	Opposite	White
36-428-29	Shown	Bright White
36-429-29	Opposite	Bright White

Handle sold separately. See Pages 247 - 251



Part #	Hand	Finish
36-423-3	Shown	White
36-424-3	Opposite	White

Handle sold separately. See Pages 247 - 251

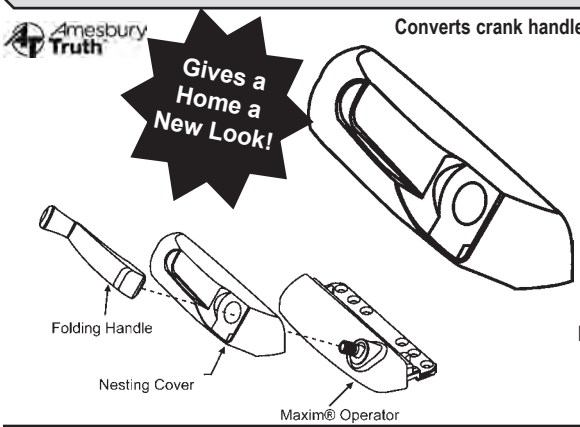


Part #	Hand	Finish
36-555-3	Shown	White
36-556-3	Opposite	White

Handle sold separately. See Pages 247 - 251

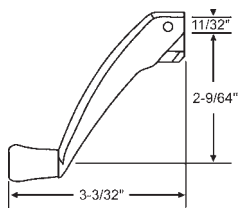
MAXIM® FOLDING HANDLE & COVER

Converts crank handle to folding handle. Just snap onto top of operator.



Part #	Hand	Finish
36-368NCV-1	Shown	Bronze
36-369NCV-1	Opposite	Bronze
36-368NCV-3	Shown	White
36-369NCV-3	Opposite	White

Plastic Nesting Cover for Maxim® Operators
Furnished with double sided tape pre-applied to cover for attaching cover to Maxim® Operator



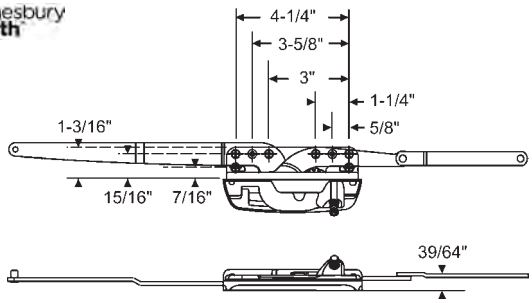
Part #	Finish
37-109FH-1	Bronze
37-109FH-3	White

Folding Handle (Must be ordered Separately)

SILL MOUNTED CASEMENT OPERATORS

TRUTH'S ENCORE™ SYSTEM OPERATORS

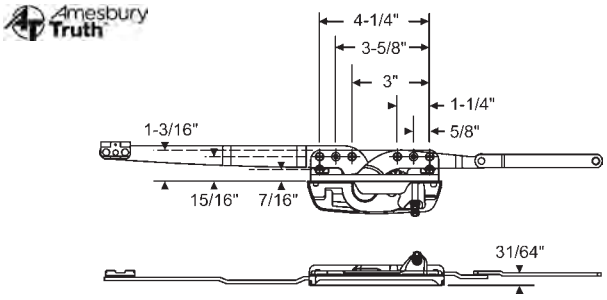
The Encore™ family of operators are engineered to incorporate all the strengths and performance characteristics as Truth's Maxim® Series



The Encore™ series dual arm operator is designed to operate sash sizes from 24" to 40" wide, up to 84" high and weighing up to 108 lbs.

Part #	Hand
36-368EN	Shown
36-369EN	Opposite

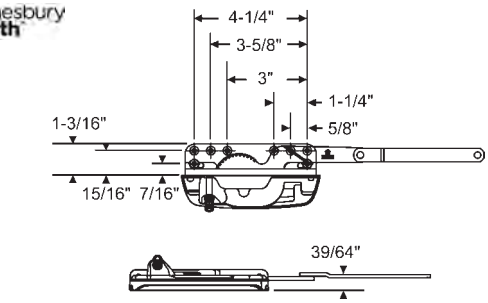
Handle and cover sold separately. See Pages 246- 251



The Encore™ series dual arm low profile operator is designed to operate sash sizes from 24" to 40" wide, up to 84" high and weighing up to 108 lbs.

Part #	Hand
36-467EN	Shown
36-468EN	Opposite

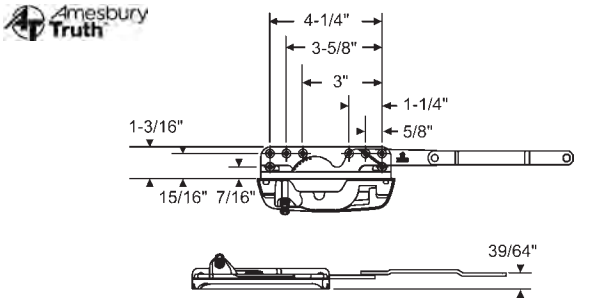
Handle and cover sold separately. See Pages 246- 251



The Encore™ series Dyad operator is designed for narrow windows and will operate sash sizes from 16" to 32" wide, up to 72" high and weighing up to 55 lbs.

Part #	Hand
36-371EN	Shown
36-372EN	Opposite

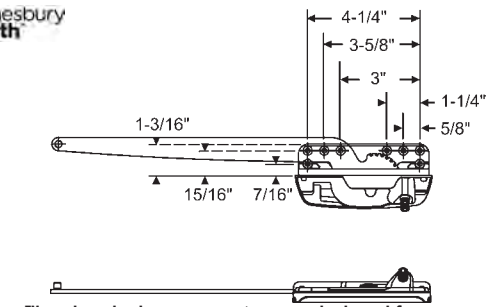
Handle and cover sold separately. See Pages 246- 251



The Encore™ series reversed Dyad operator is designed for narrow windows and will operate sash sizes from 16" to 32" wide, up to 72" high and weighing up to 55 lbs.

Part #	Hand
36-470EN	Shown
36-471EN	Opposite

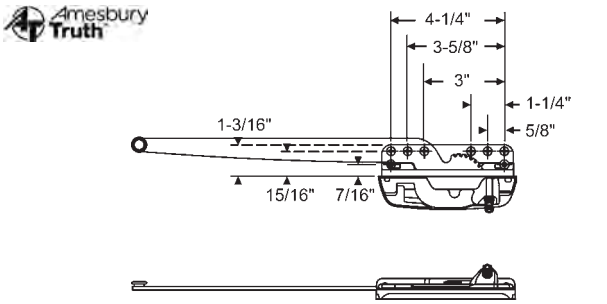
Handle and cover sold separately. See Pages 246- 251



The Encore™ series single arm operators are designed for casement windows with sash sizes from 20" to 32" wide, up to 72" high and weighing up to 73 lbs.

Part #	Hand
36-402EN	Shown
36-403EN	Opposite

Handle and cover sold separately. See Pages 246- 251

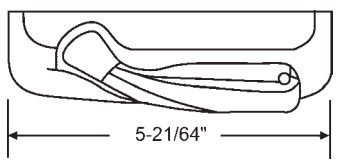


The Encore™ series single arm low profile operators are designed for casement windows with sash sizes from 20" to 32" wide, up to 72" high and weighing up to 73 lbs.

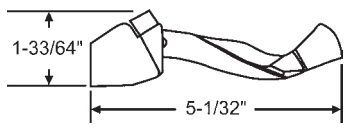
Part #	Hand
36-402ENLP	Shown
36-403ENLP	Opposite

Handle and cover sold separately. See Pages 246- 251

TRUTH'S ENCORE™ TANGO FOLDING HANDLE & COVER



Part #	Hand	Finish
37-215-1	Shown	Bronze
37-216-1	Opposite	Bronze
37-215-3	Shown	White
37-216-3	Opposite	White
37-215-71	Shown	Oil Rubbed Bronze



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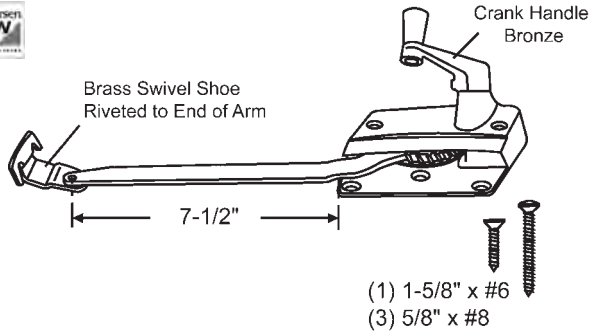
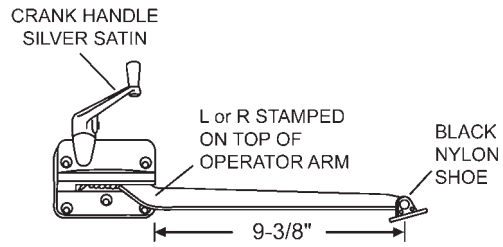
SILL MOUNTED CASEMENT OPERATORS

Sill Mounted Operators Sorted by Manufacturer



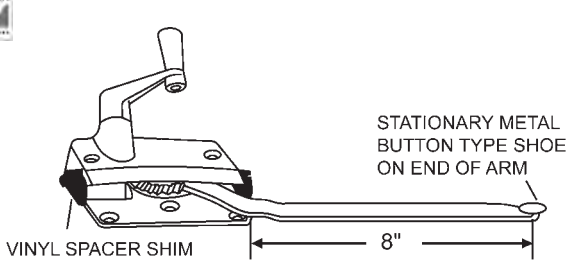
Part #	Hand	Finish
750-0536512	Shown	Bronze

Crank Handle Included



Part #	Hand	Finish	Handle Only
750-1360008	Shown	Silver Satin	750-1361008
750-1360012	Opposite	Silver Satin	750-1361008

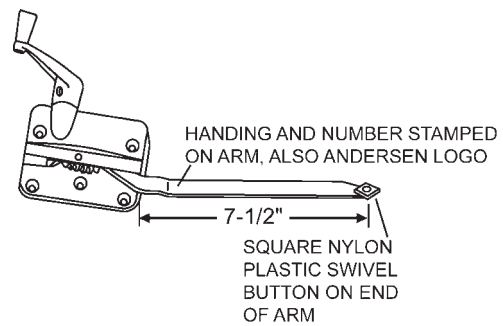
Handle sold separately. See Pages 247 - 251
Only available in Silver Satin finish.



This operator is no longer available.
Replace with new style operator and new style track.

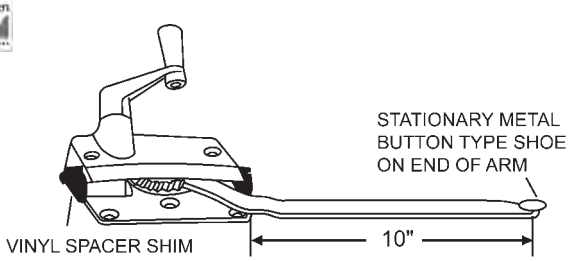
Part #	Hand	Finish	New Style Track
750-0531008	Shown	Bronze	750-0532108
750-0531012	Opposite	Bronze	750-0532108

Handle Included



Part #	Hand	Finish
750-0531108	Shown	Bronze
750-0531112	Opposite	Bronze

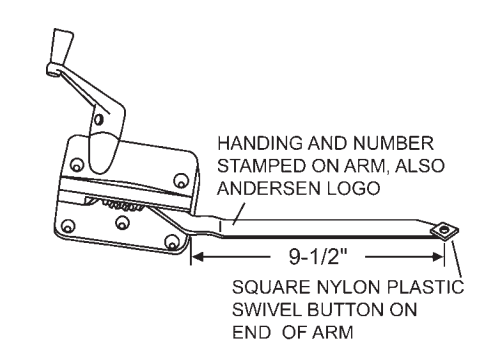
Crank Handle Included



This operator is no longer available.
Replace with new style operator and new style track.

Part #	Hand	Finish	New Style Track
750-0566008	Shown	Bronze	750-0532108
750-0566012	Opposite	Bronze	750-0532108

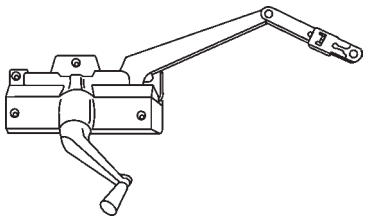
Handle Included



Part #	Hand	Finish
750-0566208	Shown	Bronze
750-0566212	Opposite	Bronze

Crank Handle Included

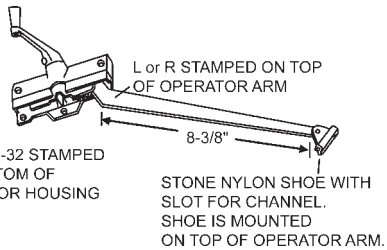
SILL MOUNTED CASEMENT OPERATORS



Part #	Hand	Finish	Handle Only
750-1361316	Shown	Stone	750-0532408
750-1361318	Opposite	Stone	750-0532408

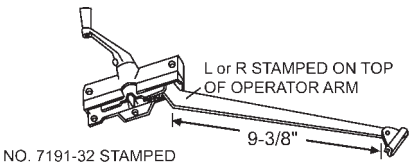
Split Arm Operator

Handle sold separately. See Pages 247 - 251



Part #	Hand	Finish	Handle Only
750-1361312	Shown	Stone	750-0532408
750-1361314	Opposite	Stone	750-0532408

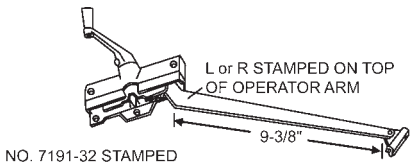
Handle sold separately. See Pages 247 - 251



Part #	Hand	Finish	Handle Only
750-1361308C	Shown	Stone	750-0532408
750-1361310C	Opposite	Stone	750-0532408

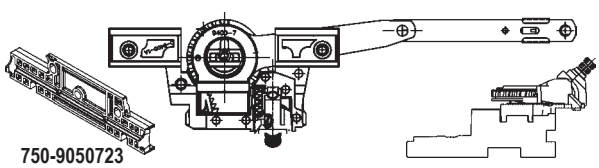
Handle sold separately. See Pages 247 - 251

Operator assembly with cover, track and screws.



Part #	Hand	Finish	Handle Only
750-0565616	Shown	Stone	750-0532408
750-0565620	Opposite	Stone	750-0532408

Handle sold separately. See Pages 247 - 251

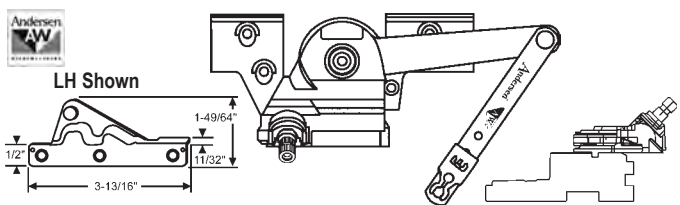


750-9050723
Adapter Plate Included

Perma-Shield Enhanced Casement Split Arm Operator. **Non-handed**

Operator Part #	Sash Bracket	Bracket Hand	Type
750-1361399	750-1361409	LH	Standard
750-1361399	750-1361408	RH	Standard
750-1361933	750-1361411	LH	Corrosion Resistant
750-1361933	750-1361410	RH	Corrosion Resistant

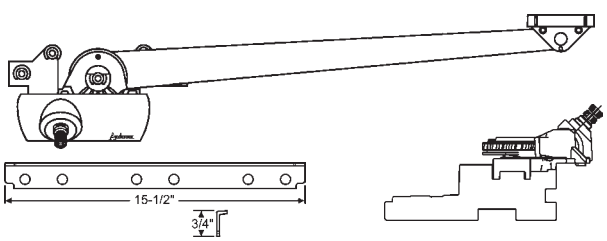
Handle and cover sold separately. See Pages 246- 251



Perma-Shield Improved/E-Z Casement Split Arm Operator. **Non-handed**

Operator Part #	Sash Bracket	Bracket Hand	Type
750-1361484	750-1361409	LH	Standard
750-1361484	750-1361408	RH	Standard
750-1361481	750-1361411	LH	Corrosion Resistant
750-1361481	750-1361410	RH	Corrosion Resistant

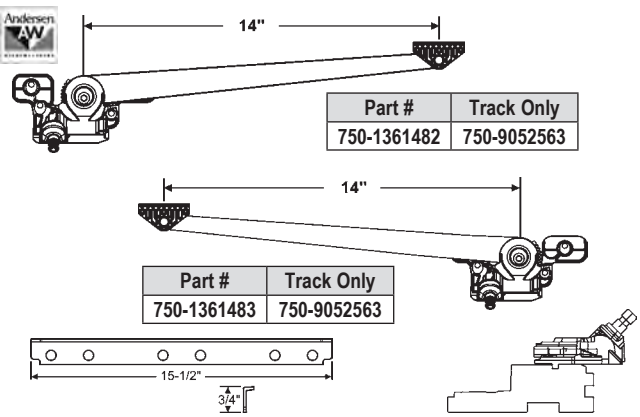
Handle and cover sold separately. See Pages 246- 251



Part #	Hand	Track Only
750-9015119	Shown	750-9052563
750-9015120	Opposite	750-9052563

Perma-Shield Enhanced Casement Straight Arm Operator. Corrosion Resistant

Handle and cover sold separately. See Pages 246- 251



Part #	Track Only
750-1361482	750-9052563

Part #	Track Only
750-1361483	750-9052563

If Prior to 2001 you need to order a 750-9050723 adapter plate (sold separately)

Perma-Shield Improved/E-Z Casement Straight Arm Operator. Corrosion Resistant

Handle and cover sold separately. See Pages 246- 251

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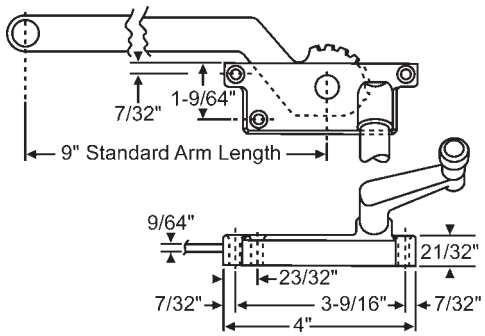
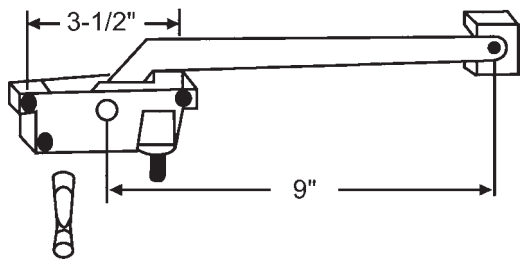
SILL MOUNTED CASEMENT OPERATORS



Part #	Hand	Finish
36-144	Shown	Bronze
36-145	Opposite	Bronze
36-144BG	Shown	Beige

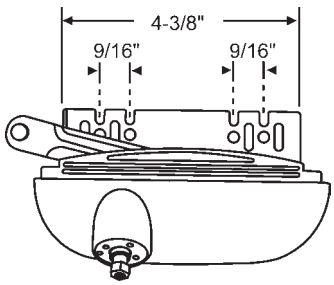
Handle Included. Hand knobs use 5/16" size only.
Additional handle only use 900-7821.

DORCHESTER



Part #	Hand	Finish
900-366LH	Shown	Bronze
900-366RH	Opposite	Bronze

Swing Lite Operator
Handle Included. No Bar



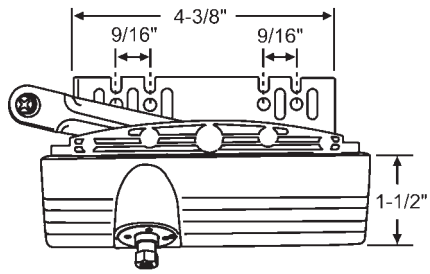
Part #	Hand	Finish
36-392LHW	Shown	White
36-392RHW	Opposite	White
36-392LHBEW	Shown	Blue White
36-392RHBEW	Opposite	Blue White
36-392LHAD	Shown	Almond
36-392RHAD	Opposite	Almond

Casement Split Arm.

Handle sold separately. See Pages 247 - 251

INTERLOCK

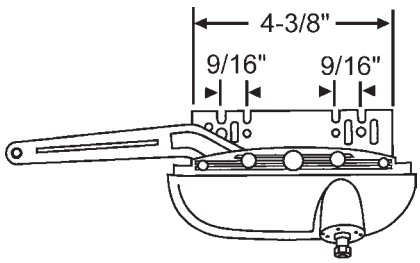
Roto



Part #	Hand	Finish
36-383LBG	Shown	Almond

Handle sold separately. See Pages 247 - 251

Roto

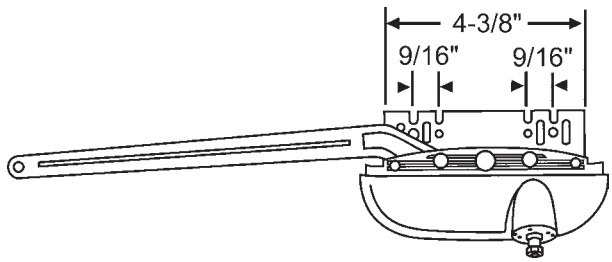


Part #	Hand	Finish
36-485RHW	Shown	White
36-485LHW	Opposite	White
36-485RHAD	Shown	Almond
36-485RHBEW	Shown	Blue White

Casement Operator with 6" Arm.

Handle sold separately. See Pages 247 - 251

Roto



Part #	Hand	Finish
36-486RHBEW	Shown	Blue White
36-486LHBEW	Opposite	Blue White
36-486RHAD	Shown	Almond

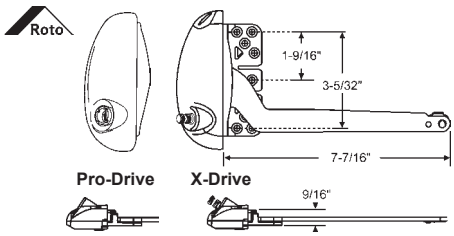
Casement Operator with 10" Arm

Handle sold separately. See Pages 247 - 251

SILL MOUNTED CASEMENT OPERATORS

ROTO X-DRIVE & PRO-DRIVE OPERATORS

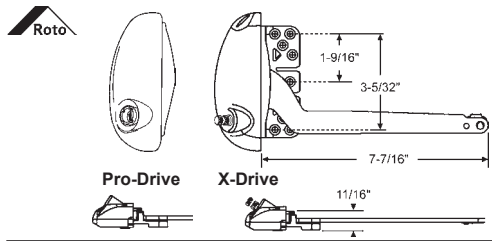
Roto X-Drive operators are a direct replacement for Roto's Pro Drive operators.
The Pro Drive operators take crank handles with a 5/16" hex male broach that snaps into the operator. See 37-221 on page 248



Part #	Hand	Finish	Style
36-498W-XD	Shown	White	X-Drive
36-497W-XD	Opposite	White	X-Drive
36-498AD	Shown	Almond	Pro-Drive
36-497AD	Opposite	Almond	Pro-Drive
36-498BEW	Shown	Blue White	Pro-Drive
36-497BEW	Opposite	Blue White	Pro-Drive
36-498EB	Shown	Earth Brown	Pro-Drive

7-1/2" Single Arm. For Vinyl Window Application.

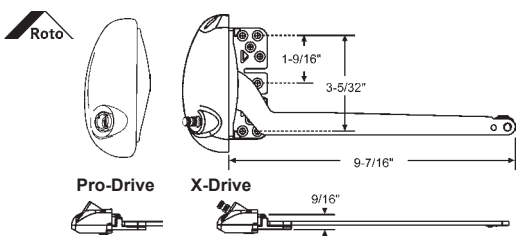
Handle sold separately. See Pages 247 - 251



Part #	Hand	Finish	Style
36-496W-XD	Shown	White	X-Drive
36-495W-XD	Opposite	White	X-Drive
36-496W	Shown	White	Pro-Drive
36-495W	Opposite	White	Pro-Drive
36-496BEW	Shown	Blue White	Pro-Drive
36-496LAD	Shown	G2 Almond	Pro-Drive

7-1/2" Single Arm. Notched for Wood Application.

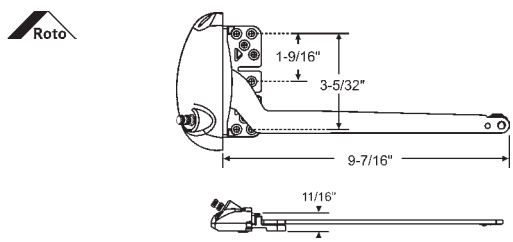
Handle sold separately. See Pages 247 - 251



Part #	Hand	Finish	Style
36-500W-XD	Shown	White	X-Drive
36-501W-XD	Opposite	White	X-Drive
36-500BEW-XD	Shown	Blue White	X-Drive
36-501BEW-XD	Opposite	Blue White	X-Drive
36-500EB	Shown	Earth Brown	Pro-Drive
36-501EB	Opposite	Earth Brown	Pro-Drive
36-500MTBZ	Shown	Metallic Bronze	Pro-Drive
36-501MTBZ	Opposite	Metallic Bronze	Pro-Drive

9-1/2" Single Arm. For Vinyl Window Application.

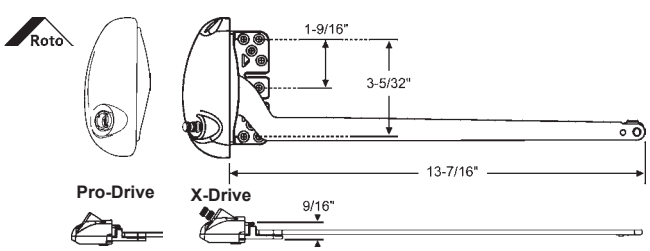
Handle sold separately. See Pages 247 - 251



Part #	Hand	Finish	Style
36-490EW-XD	Shown	Euro White	X-Drive
36-491EW-XD	Opposite	Euro White	X-Drive

9-1/2" Single Arm. Notched for Wood Application.

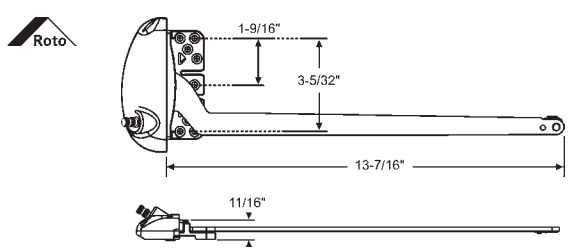
Handle sold separately. See Pages 247 - 251



Part #	Hand	Finish	Style
36-514W-XD	Shown	White	X-Drive
36-510W-XD	Opposite	White	X-Drive
36-514AD	Shown	Almond	Pro-Drive
36-510AD	Opposite	Almond	Pro-Drive
36-514LAD	Shown	G2 Almond	Pro-Drive

13-1/2" Single Arm. For Vinyl Window Application.

Handle sold separately. See Pages 247 - 251



Part #	Hand	Finish	Style
36-543LHW-XD	Shown	White	X-Drive
36-543RHW-XD	Opposite	White	X-Drive

13-1/2" Single Arm. Notched for Wood Application.

Handle sold separately. See Pages 247 - 251

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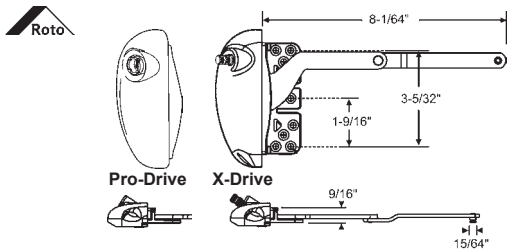
SILL MOUNTED CASEMENT OPERATORS

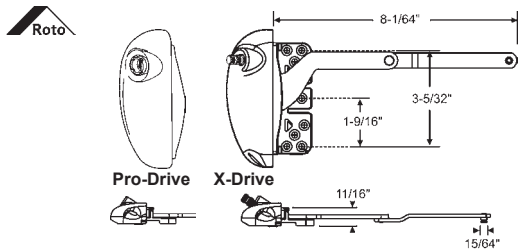
ROTO X-DRIVE OPERATORS



Part #	Hand	Finish	Style
36-511W-XD	Shown	White	X-Drive
36-525W-XD	Opposite	White	X-Drive
36-511AD	Shown	Almond	Pro-Drive
36-511BEW	Shown	Blue White	Pro-Drive
36-525BEW	Opposite	Blue White	Pro-Drive
36-511DBR	Shown	Dark Brown	Pro-Drive
36-525DBR	Opposite	Dark Brown	Pro-Drive
36-511EB	Shown	Earth Brown	Pro-Drive
36-525EB	Opposite	Earth Brown	Pro-Drive
36-511ORBZ	Shown	Oil Rubbed Bronze	Pro-Drive
36-525ORBZ	Opposite	Oil Rubbed Bronze	Pro-Drive

Split Arm. For Vinyl Window Application.

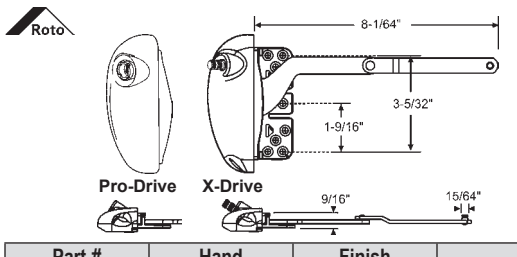
Handle sold separately. See Pages 247 - 251



Part #	Hand	Finish	Style
36-539LHW-XD	Shown	White	X-Drive
36-539RHW-XD	Opposite	White	X-Drive
36-539LHW	Shown	White	Pro-Drive
36-539RHW	Opposite	White	Pro-Drive

Split Arm. Notched for Wood Application.

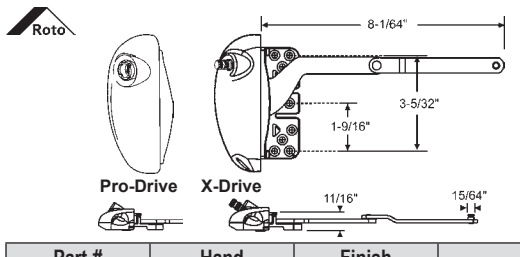
Handle sold separately. See Pages 247 - 251



Part #	Hand	Finish	Style
36-508W-XD	Shown	White	X-Drive
36-509W-XD	Opposite	White	X-Drive
36-508EW	Shown	G1 White	Pro-Drive
36-509LAD	Opposite	G2 Almond	Pro-Drive

Split Arm Inverted. For Vinyl Window Application.

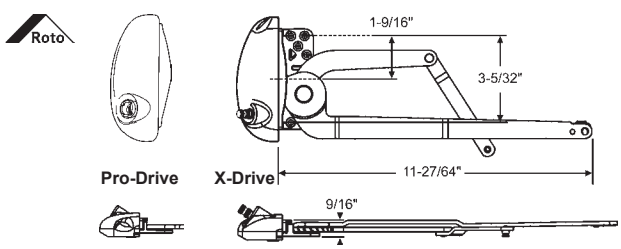
Handle sold separately. See Pages 247 - 251



Part #	Hand	Finish	Style
36-540LHW-XD	Shown	White	X-Drive
36-540RHW-XD	Opposite	White	X-Drive
36-540LHW	Shown	White	Pro-Drive
36-540RHW	Opposite	White	Pro-Drive

Split Arm Inverted. Notched for Wood Application.

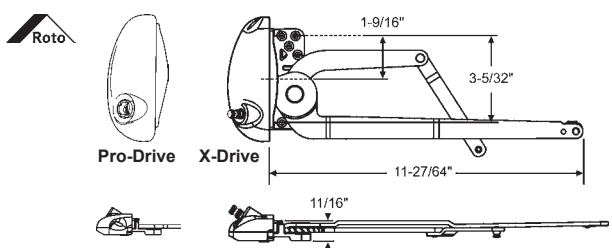
Handle sold separately. See Pages 247 - 251



Part #	Hand	Finish	Style
36-517W-XD	Shown	White	X-Drive
36-518W-XD	Opposite	White	X-Drive
36-517DBR	Shown	Dark Brown	Pro-Drive
36-518DBR	Opposite	Dark Brown	Pro-Drive
36-517EB	Shown	Earth Brown	Pro-Drive
36-518EB	Opposite	Earth Brown	Pro-Drive
36-517W	Shown	White	Pro-Drive
36-518W	Opposite	White	Pro-Drive
36-518EW	Opposite	G1 White	Pro-Drive
36-517EW	Shown	G1 White	Pro-Drive

Dual Arm. For Vinyl Window Application.

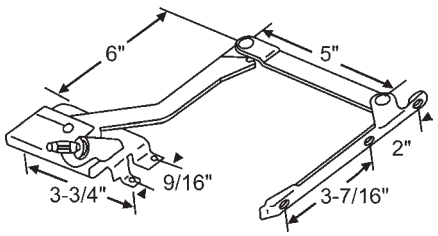
Handle sold separately. See Pages 247 - 251



Part #	Hand	Finish	Style
36-528LHW-XD	Shown	White	X-Drive
36-528RHW-XD	Opposite	White	X-Drive
36-528LHW	Shown	White	Pro-Drive
36-528RHW	Opposite	White	Pro-Drive
36-528LHBEW	Shown	Blue White	Pro-Drive

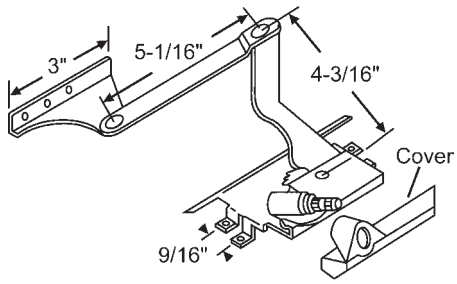
Dual Arm. Notched for Wood Application.

Handle sold separately. See Pages 247 - 251



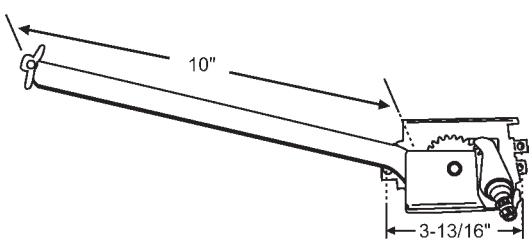
Part #	Hand
900-8865	Shown
900-8866	Opposite

Handle and cover sold separately. See Pages 246 - 251



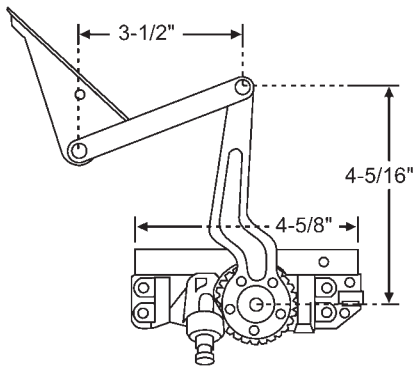
Part #	Hand
36-362	Shown
36-363	Opposite

Handle and cover sold separately. See Pages 246 - 251



Part #	Hand
900-19619	Shown
900-19620	Opposite

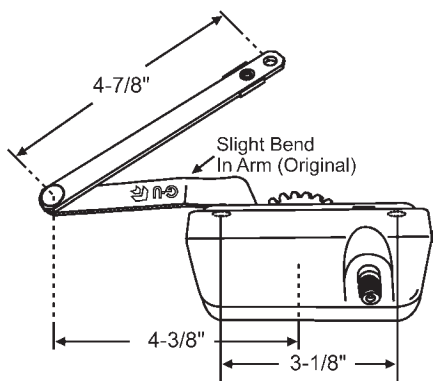
Handle and cover sold separately. See Pages 246 - 251



Part #	Hand
36-488	Shown
36-489	Opposite

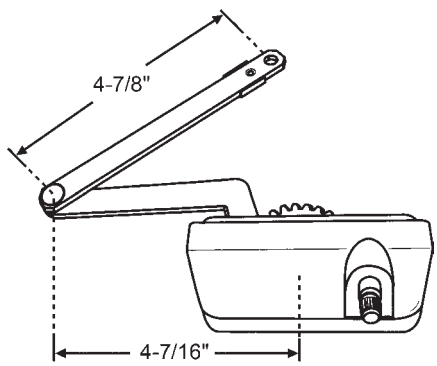
Handle and cover sold separately. See Pages 246 - 251

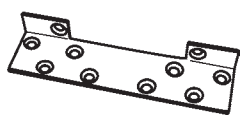
Original G-U operators had a plastic housing and a slight bend in the arm. Currently being replaced with metal die cast housing and stainless steel worm gear and straight arm. Replacement does not have bent arm.



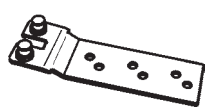
Part #	Hand	Finish	Handle
36-516RHBW	Shown	Blue White	37-137-3
36-516LHBW	Opposite	Blue White	37-137-3

G-U/SILVER LINE





39-1100
Sold Separately



39-1101
Sold Separately

39-137-29
Sold Separately

Part #	Hand	Finish
36-516RHWMA	Shown	White
36-516LHWMA	Opposite	White

Dyad Operator. Fits G-U.

SILVER LINE

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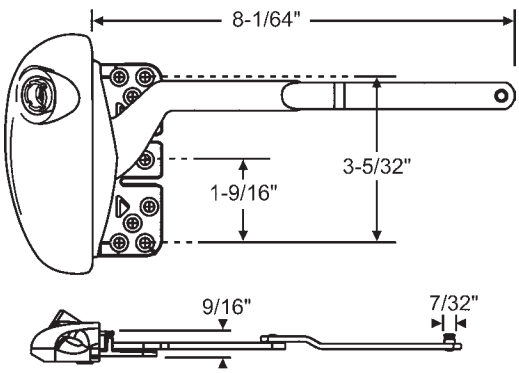
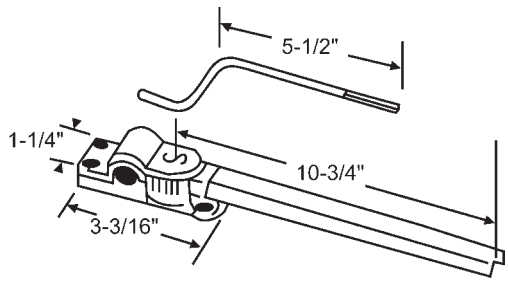
SILL MOUNTED CASEMENT OPERATORS



Part #	Hand
36-559LHBEW	Shown

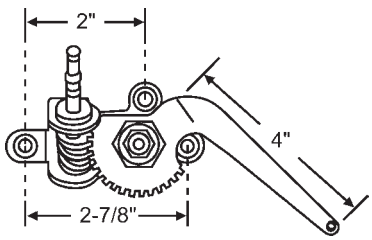
Blue White. 3/16" Pin Height

SILVER LINE



Part #	Finish
900-12962	Chrome Plated
900-12962BP	Brass Plated

Non-Hand
Handle Included

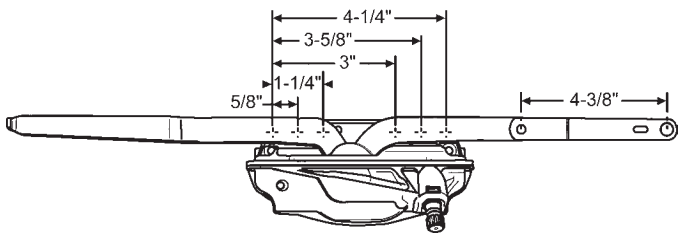


Part #
900-9834

Non-handed. Uses 900-9690 Crank Handle
For Drag Link, See Page 252

PEACHTREE

ASHLAND HARDWARE SYSTEMS

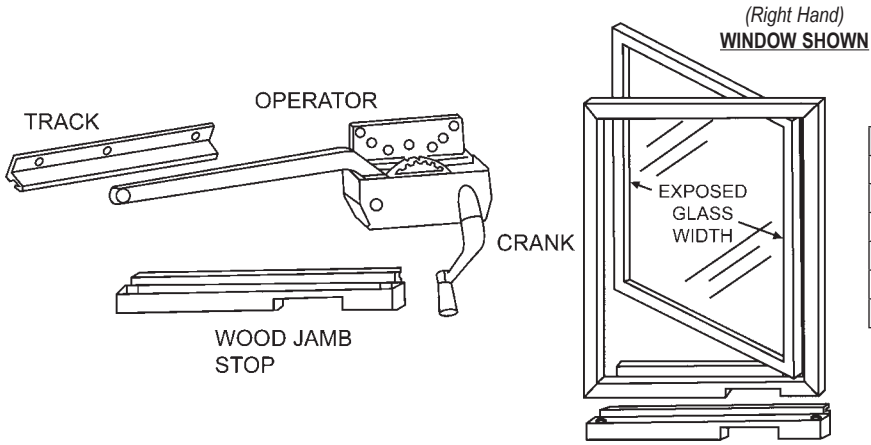


Part #	Hand
36-565SS	Shown
36-566SS	Opposite

Dual Arm Operator

BILTBEST

Replaces old style operators with repair kit as shown below.



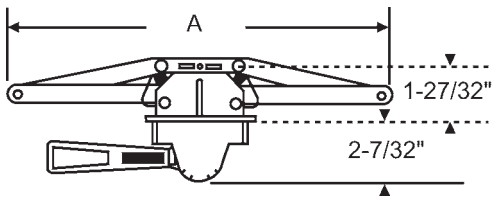
Part #	Glass Width Size	Hand	Sill Length
900-21850	14-5/8"	LH	16-1/8"
900-21849	14-5/8"	RH	16-1/8"
900-21852	19-1/8"	LH	20-5/8"
900-21851	19-1/8"	RH	20-5/8"
900-22703	22"	LH	24-7/16"
900-22703OP	22"	RH	24-7/16"

Casement Operator
Replacement Kit
Kits come with 9-1/2" Truth single arm operator.
Operator only see page 213 part number 36-128 & 36-129.

LEVER OPERATORS

Note: See lever operator brackets on page 244.

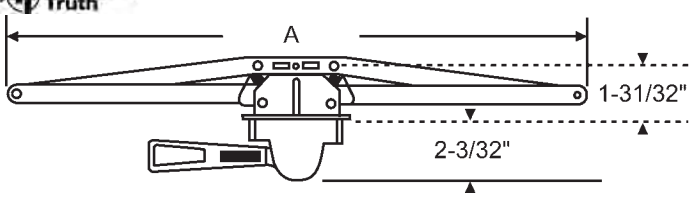
Amesbury Truth



Part #	Hand	Finish	A
36-168-1	Shown	Bronze	13-1/8"
36-168-2	Shown	Gold	13-1/8"
36-168-3	Shown	White	13-1/8"
36-168-5	Shown	Bright Brass	13-1/8"
36-169-3	Opposite	White	13-1/8"
36-153-1	Shown	Bronze	20-1/2"
36-153-3	Shown	White	20-1/2"
36-153-5	Shown	Bright Brass	20-1/2"
36-157-1	Opposite	Bronze	20-1/2"
36-157-2	Opposite	Gold	20-1/2"
36-162-1	Shown	Bronze	23-1/4"
36-162-3	Shown	White	23-1/4"
36-163-1	Opposite	Bronze	23-1/4"
36-163-3	Opposite	White	23-1/4"
36-163-75	Opposite	Copper	23-1/4"

Other finishes available. Handle shown in locked position
See Lever Operator Brackets on Page 244. Available with Removable Escutcheon

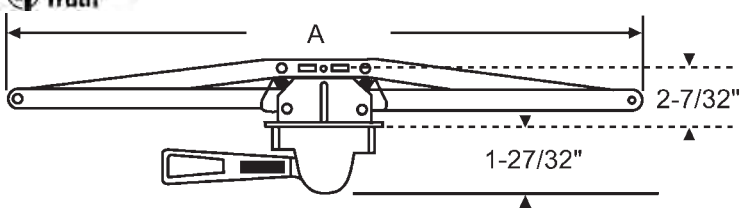
Amesbury Truth



Part #	Hand	Finish	A
36-160-1	Shown	Bronze	20-1/2"
36-161-1	Opposite	Bronze	20-1/2"
36-161-2	Opposite	Gold	20-1/2"
36-166-1	Shown	Bronze	23-1/24"

Other finishes available. Handle shown in locked position
See Lever Operator Brackets on Page 244.

Amesbury Truth



Part #	Hand	Finish	A
36-158-1	Shown	Bronze	20-1/2"
36-158-87	Shown	Gold	20-1/2"
36-159-2	Opposite	Gold	20-1/2"
36-164-1	Shown	Bronze	23-1/24"
36-164-87	Shown	Gold	23-1/24"

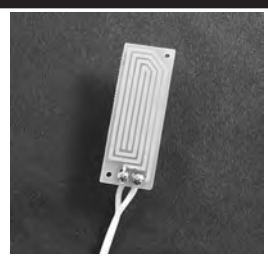
Other finishes available. Handle shown in locked position
See Lever Operator Brackets on Page 244.

ROTO INVISIBLE MOTORIZED AND MANUAL SKYLIGHT OPERATOR SYSTEMS

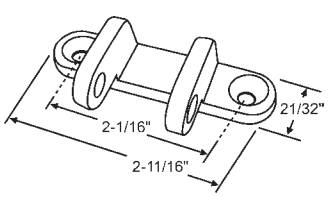
Roto

Part #	Color
36-536SND	Sandstone

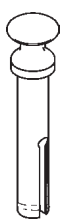
Manual skylight operator with round end connector.



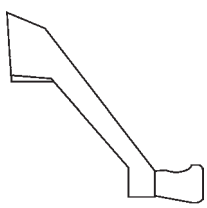
39-803
Motorized skylight conversion kit rain sensor only.



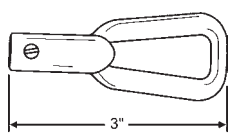
39-792
Mounting bracket only for round end connector. White



39-838
Mounting bracket pin for round end connector. White



37-235SND
Handle for manual skylights with 5/16" hex spline. Sandstone



39-492
Eyelet with 5/16" hex spline
Sandstone

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MOTORIZED OPERATORS FOR SKYLIGHTS

Introducing Truth's next generation of power window system... Sentry II HS® for heavy skylights. Based on the powerful and reliable mechanics from our previous SkySentry® Motorization Systems, they've added a new digital electronics package with built in power conversion to take this system to a whole new level of service and reliability.

Sentry II HS Motorized Skylight System & Synchronous Skylight Motor Kits
39-634

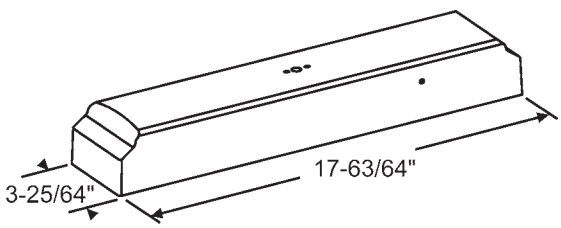
39-642
Switch Only

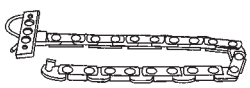
39-640
Remote Only

Cover for Sentry II HS

Part #	Color
39-637-3	White
39-637-7	Aluminum
39-637-8	Chestnut Bronze
39-637-9	Beige
39-637-15	Off White

Many Finishes Available





Part #	Length
39-388	12"
39-416	9"

Chain Assembly for Skylight Operator with Bracket & Pin

The New Electronics Package provides many new features to enhance a home's comfort and its owner's peace of mind.

Quick and Easy Installation of the skylight is possible when motor system is pre-installed and programmed by skylight manufacturer at their facility. The electrician needs only to connect line voltage power and the skylight is completely ready for operation -no further set up would be required by the installer or homeowner!

Power Conversion built right into the skylight mounted control package which accepts direct connection of line voltages from 100 to 240 VAC at 47 to 440 Hz.
No more transformers to complicate and add expense to the installation.

Power Blind System Compatible. Centralized window control is now possible with Sentry II's ability to accept and control most 24 VDC power blind systems. The Sentry II RF remote or wall switch controls both skylight and blind motors for convenient, centralized control.

Power Protected Memory eliminates the need to "reset" or retrain the control system after a power outage. Once the installation is complete, the motor never needs further service or adjustments -even after prolonged power outages!

RF Remote Compatibility built into all motor control packages as a standard feature. Simply order the optional remote to add new and exciting control capability for the homeowner.

Rain Sensor, standard on all kits, automatically closes the skylight at the first sign of moisture. Corrosion resistant sensor decreases mechanisms cleaning requirements and extends service life.

Easily Adapts for new construction or retrofit applications. Please consult with your electrical contractor for a retrofit evaluation.

ETL Listed and CE Approved. Meets all requirements for Class II installations.

Safety -Automatic Motor Reversal has been engineered into the system which is intended to reverse the motor should an obstruction stop the skylight while closing. In addition, a screen interlock is provided which, when properly installed, electrically disconnects the motor when the screen is removed. These features are intended to help prevent personal injury which could result from reaching into the skylight area during its operation.

Synchronized Operation of multiple motors is now standard on the HS motor system. The same Sentry II HS motor system can now be used on single motor applications or it can be ganged with up to four motor units on a large single skylight. Multiple motors on a single skylight add stability and capacity.

Awning Windows Can also be fitted with the Sentry II HS Motor System. Skylight hardware systems work great on awning windows with butt hinges.

Building Automation Systems can easily be tied into the control electronics for virtually limitless ventilation possibilities.

SENTRY II HS CAPACITY
Truth's Sentry II HS for heavy skylights is load rated at 80 lbs. at the chain. This equates to a total skylight hatch weight of 160 lbs. Sentry II HS power skylight system is rated at 50 watts.

Sentry II HS for heavy skylights
Order 1 per skylight

- 39-634 - Sentry II HS System
- 39-637-X - Cover (X denotes finish code)

Order 1 Hand Held Remote and/or Wall Switch

- 39-640 - Hand Held RF Remote
- 39-642 - Wall Switch

MOTORIZED OPERATORS FOR CASEMENT & AWNING WINDOWS

Introducing Truth's Next Generation of Power Window Systems... Sentry II WLS® for Windows and Light Skylights. Based on the powerful and reliable mechanics from their previous motorization system, they've added a new digital electronics package with built in power conversion. This New Sentry II WLS System truly takes over where Truth's Sentry 2000® left off.

Sentry II WLS Motorized Power Window & Skylight System
39-635

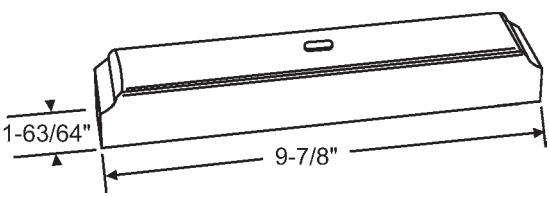
Sentry II WLS Motorized Power Window & Skylight System for Pella Windows
39-636

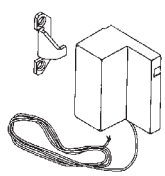
39-640
Remote Only

Cover for Sentry II WLS

Part #	Color
39-638-1	Bronze
39-638-3	White
39-638-35	Champagne
39-638-7	Aluminum

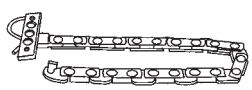
Many Finishes Available





Part #	Color
39-326-3	White

Motorized Sash Lock Kit.
Includes Lock, Decorative Cover and Hardware Pack



Part #	Length
39-388	12"
39-416	9"

Chain Assembly for Skylight Operator with Bracket & Pin

The New Electronics Package provides many new features to enhance a home's comfort and its owner's peace of mind.

Retrofits onto casement and awning windows and light skylights operated with a hand crank manufactured by Truth Hardware. The motor system drives the same input the handle is attached to.

Power Conversion built right into the wall mounted control package which accepts direct connection of line voltages from 100 to 240 VAC at 47 to 440 Hz. No more transformers to complicate and add expense to the installation.

Power Blind System Compatible. Centralized power window system control is now possible with Sentry II's ability to accept and control most 24 VDC power blind systems. The Sentry II's remote and wall switch can be used to control both window and blind motors for convenient, centralized control.

Power Protected Memory eliminates the need to "reset" or retrain the motor after a power outage. Once the installation is complete the motor never needs further service or adjustments even after prolonged power outages!

RF remote compatibility built into all motor control packages as a standard feature. Simply order the optional remote to add new and exciting control capability for the homeowner.

Rain Sensor -standard with all kits, automatically closes the window or skylight at the first sign of moisture. Corrosion resistant sensor decreases maintenance cleaning requirements and extends service life.

No Special Preparation is required by the window or skylight manufacturer. The kits are suitable for new construction or retrofit applications. Please consult with your electrical contractor for a retrofit evaluation.

ETL Listed and CE Approved. Meets all requirements for Class II installations.

Safety - Automatic motor reversal has been engineered into the system which is intended to reverse the motor should an obstruction stop the window while closing. In addition, a screen interlock is provided which, when properly installed, electrically disconnects the motor when the screen is removed. These features are intended to help prevent personal injury which could result from reaching into the window area during its operation.

Motorized Sash Locks are available for use with the WLS system for casement and awning windows.

Building Automation Systems can easily be tied into the control electronics for virtually limitless ventilation possibilities.

SENTRY II WLS CAPACITY

- When used on light skylights, Truth's Sentry II WLS is load rated at 40 lbs at the chain. This equates to a total skylight hatch weight of 80 lbs.
- When used on casement windows, the Sentry II WLS is designed to work on all window systems meeting the AAMA-101 hardware load requirements.
- When used on awning windows, the Sentry II WLS is designed to work on awning windows with a properly sized counter-balance hinge and operator. (Consult awning operator specifications).

Sentry II WLS for windows and light skylights
Order 1 each per window:

- 39-635 - Sentry II WLS System

- 39-638-X - Cover (X denotes finish code)

Order 1 Hand Held Remote (optional):

- 39-640 - Hand Held RF Remote

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MOTORIZED OPERATORS FOR SKYLIGHTS, TAKE OUT & AWNING WINDOWS

Amesbury Truth™

NEW Marvel™ Sleek and Petite Motorized Operating System

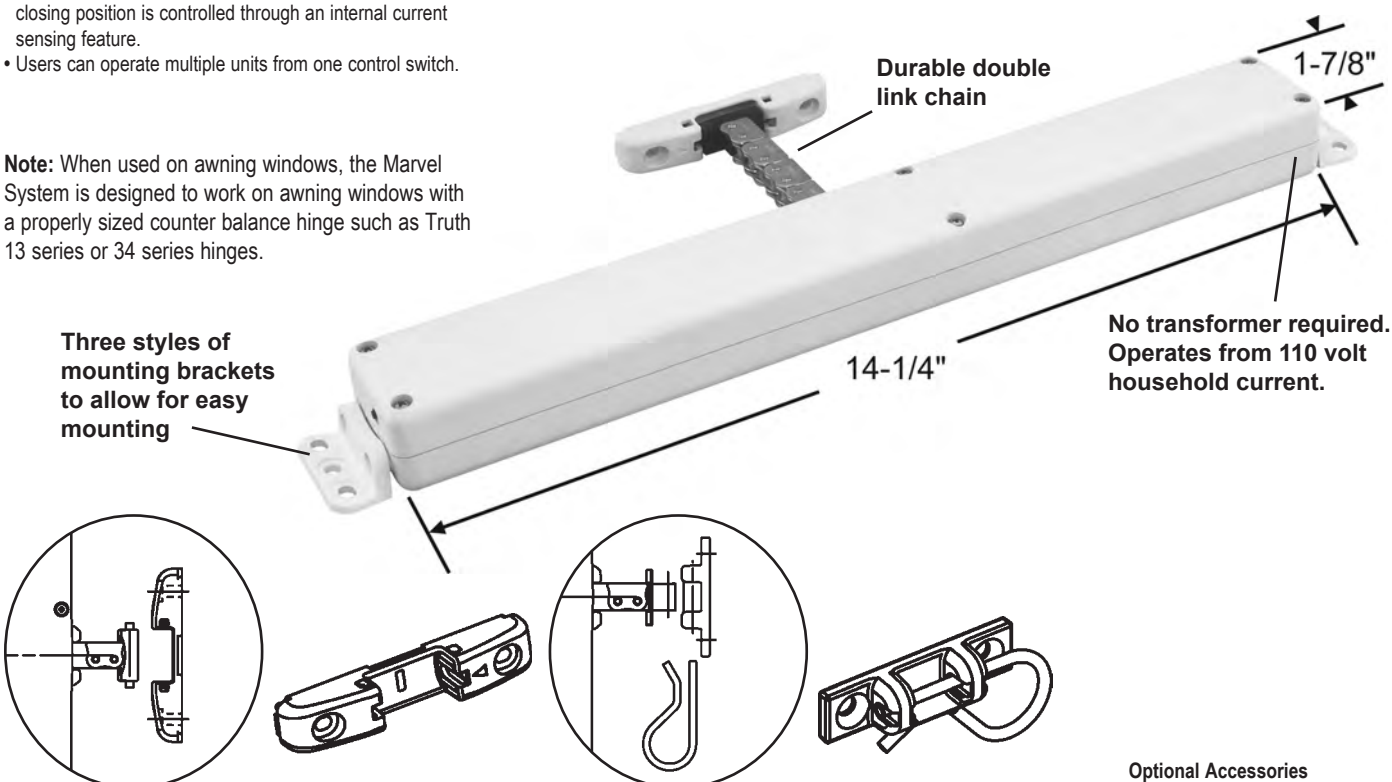
Truth Hardware's new Marvel™ power operator system for windows and skylights proves that simpler can be better. Challenged with the expectation of window and skylight manufacturers with providing a small and sleek motorized system that is simple to install, easy to operate and above all affordable - Truth is confident that the Marvel System is the answer.

Easy to Install and Operate

With installation templates provided in each kit, the mounting brackets used to help secure the Marvel Operator to the center of your window makes this system one of the easiest systems to install.

- Three styles of mounting brackets accompany this product to allow for easy mounting.
- Can be face-mounted or mounted to applications with sills.
- Rated to lift skylight sashes that weigh up to 90 lbs.
- Rated for use in outdoor applications only.
- Controlled using a standard, single pole / double throw, center off momentary contact switch. (Not Supplied)
- Durable double link chain produces 9.5" of chain travel.
- Electronic limit switch controls the opening position while the closing position is controlled through an internal current sensing feature.
- Users can operate multiple units from one control switch.

Note: When used on awning windows, the Marvel System is designed to work on awning windows with a properly sized counter balance hinge such as Truth 13 series or 34 series hinges.



Snap Bracket Type

Part #	Truth #	Finish
39-760-1	42.90.03.100	Bronze
39-760-32	42.90.38.100	White (Weathershield)

Pull Pin Bracket Type

Part #	Truth #	Finish
39-789-1	42.90.03.101	Bronze
39-789-32	42.90.38.101	White

Optional Accessories

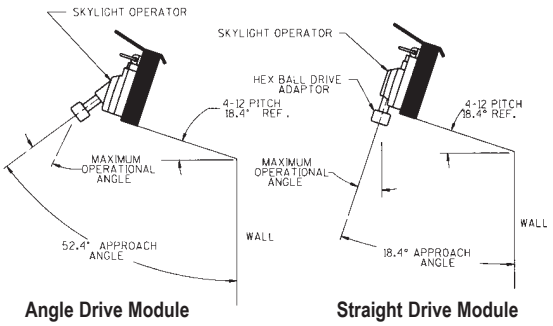
Part #	Description
39-886	Switch
39-840	Receiver
39-841	Remote with Wall Mount
39-908	Rain Sensor

MANUAL SKYLIGHT OPERATORS & ACCESSORIES

Amesbury Truth

Add Value to Your Operable Skylight

The Truth Skylight Operator System offers you the flexibility the marketplace demands, the quality your windows deserve, easy factory or field installation and a means to keep your skylight hardware inventories both cost effective and efficient. The Truth Skylight Operator system is easy to install and compatible with wood, metal or vinyl framed skylights. Upgrading is easier and faster. Truth's special high gear reduction provides the low torque needed to lift a maximum sash weight of 160 pounds. Choose from two Manual Drive modules for the application that best meets your needs. Each easily mounts to the base module.



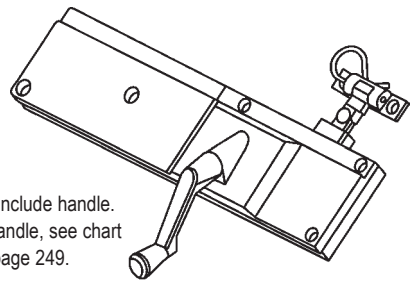
Angle Drive Module | **Straight Drive Module**

Angle Drive

Part #	Color
36-342-1	Bronze
36-342-3	White

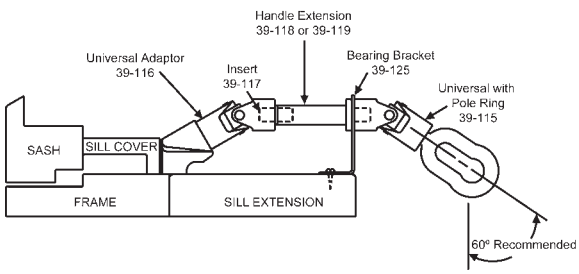
Straight Drive

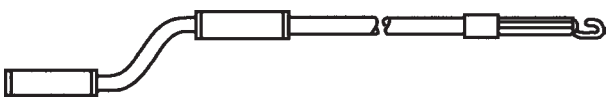
Part #	Color
36-345-1	Bronze
36-345-3	White



Does not include handle. To order handle, see chart on page 249.

UNIVERSAL POLE RING SYSTEM

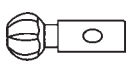




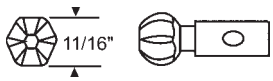
Description	Part #	Collapsed	Extended
Pole with Hook	39-198	48"	73"
Pole with Hook	39-102	74-1/8"	122-3/4"

Description	Part #	Collapsed	Extended
Pole with Hex Ball	39-199	48"	73"
Pole with Hex Ball	39-101	73-3/8"	122"

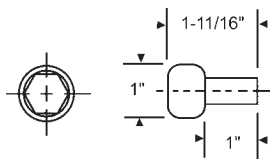
Hook Drive



Hex Ball Drive



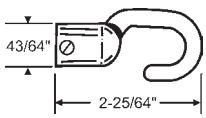
39-94
Hex Ball Drive



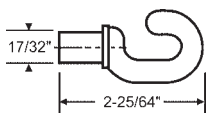
Part #	Color
39-100-1	Bronze
39-100-3	White

Hex Ball Adapter

Fits Truth

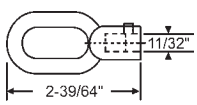


39-95
Hook Drive



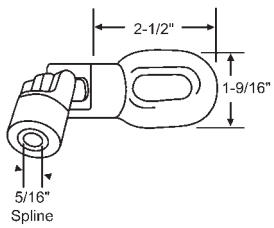
39-95SP
Hook Drive

Fits Truth



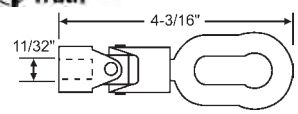
Part #	Color
39-97	Unpainted
39-97-1	Bronze
39-97-3	White

Eyelet Adapter. Fits Truth



900-15576
5/16" Universal Joint
Aluminum Finish

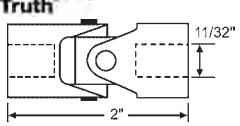
Amesbury Truth



Part #	Color
39-115-1	Bronze
39-115-3	White
39-115-7	Aluminum

Universal with Pole Ring

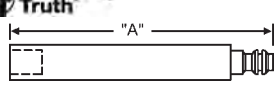
Amesbury Truth



Part #	Color
39-116-1	Bronze
39-116-3	White
39-116-7	Aluminum

Universal Adaptor

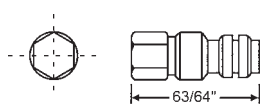
Amesbury Truth



Part #	Color	A
39-118-1	Bronze	2"
39-118-3	White	2"
39-119-1	Bronze	4"
39-119-3	White	4"

11/32" Male/Female Handle Extension

Amesbury Truth



39-117
Insert

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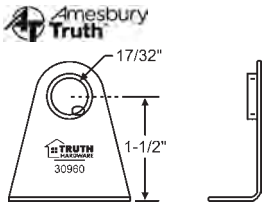
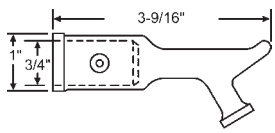
MANUAL SKYLIGHT OPERATOR ACCESSORIES

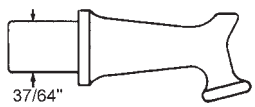


Part #	Color
39-125-1	Bronze
39-125-3	White
39-125-7	Aluminum

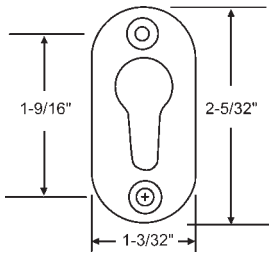
Bearing Bracket



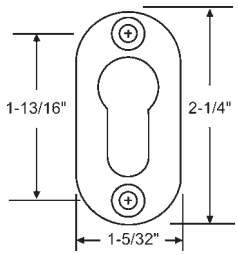
900-16815
White Bronze Pole Hook



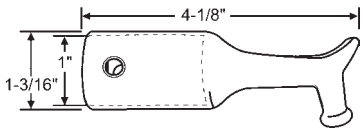
900-16843
Pole Hook



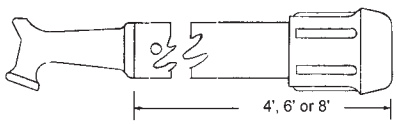
900-16844
Pole Hook Hanger
White Bronze



900-16845A
Pole Hook Hanger
White Bronze

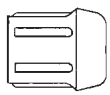


900-11299
Aluminum Pole Hook

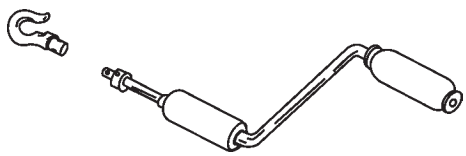


Part #	Length
900-16842-4	4'
900-16842-6	6'
900-16842-8	8'

Pole Hook Assembly
Aluminum Tube with Rubber End

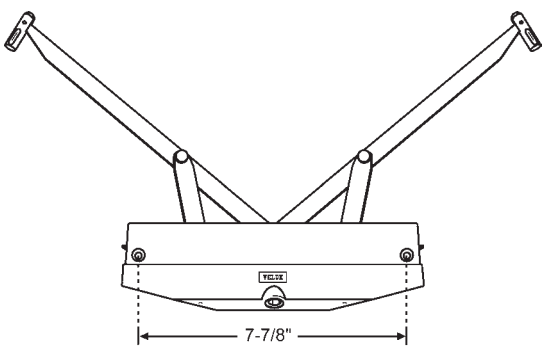


900-18245
Rubber Tip Only

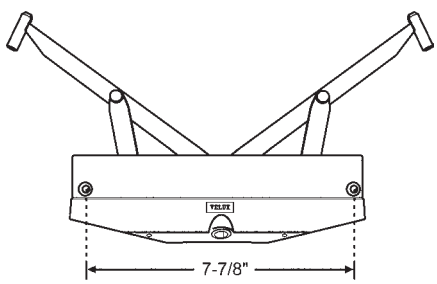


Part #	Description
39-672	CL Pole with AGR & HK - 5'
39-673	CL Pole 5' Extension

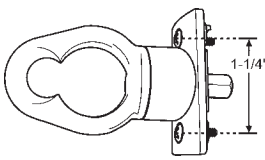
VELUX SKYLIGHT OPERATOR & ACCESSORIES



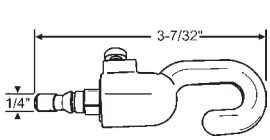
900-21657
10" Split Arm Operator. Gold



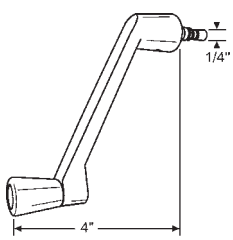
900-21658
8" Split Arm Operator. Gold
Must Order Snap-In Hex Adapter Separately.



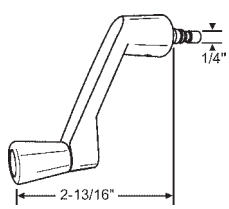
37-180
Hook Adapter for Skylight



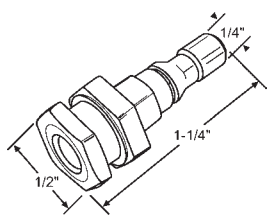
39-755
Hook for Velux Operator



37-171
Long Handle for Velux Operators



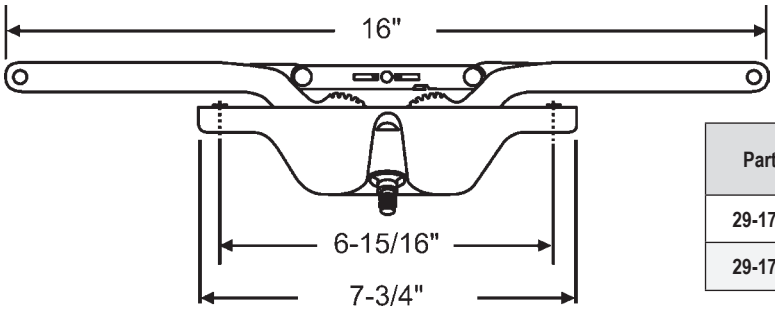
37-172
Short Handle for Velux Operators



900-22073
Snap-In Metal Hex Adapter

REAR MOUNT AWNING OPERATOR

Amesbury Truth



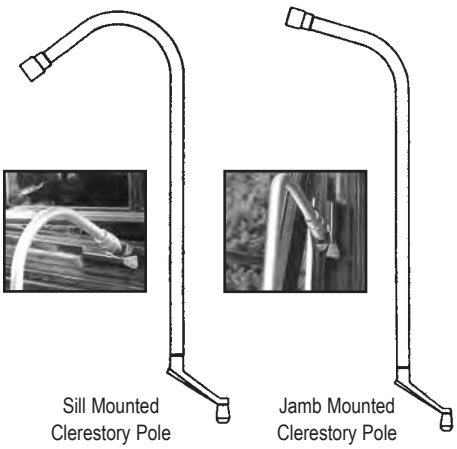
Part #	Finish	Mounting Style
29-174-4	Coppertone	Rear
29-174-9	Beige	Rear

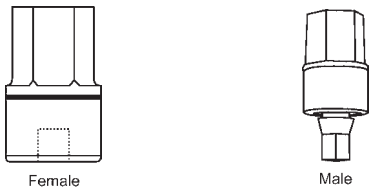
CLERESTORY WINDOW WANDS

Put those operable clerestory windows to energy-saving use with our 39-series clerestory extension crank. High mounted windows are excellent for capturing light while providing privacy, but they can also be "excellent" heat traps. It is now possible to vent the heat that rises to these areas as easily as opening any other window in the home.

It's inexpensive and can easily retrofit to existing or new window installations. By simple removal of the existing crank handle and replacement with an adapter (see adapter selection chart), the crank will open and close any operable clerestory window. It is not necessary to replace the current operator. Remember that you will only need one clerestory crank to operate all windows at the same height.

The removable extension crank is available in many standard sizes for either sill or jamb mounted operators. Refer to the selection chart to the right. The standard finish for the crank is natural anodized aluminum.





Female Crank Handle Adapters

Part #	Fits
39-105PELLA	Pella
39-105	Truth, Marvin, Caradco, Weather Shield, Hurd, Biltbest, Eagle, Vetter, Roto X-Drive, Others
39-105PT	Getty, Peachtree
39-105HEX	Milgard

Male Crank Handle Adapters

Part #	Fits
39-105ROTO-OLD	Roto Pro Drive (OPO5)

Adapters Used with Clerestory Window Wands

Manual Window Wand Selection Chart

Part #	Location of Operator	Crank Length	Distance from Floor
39-104-3	Sill	3'	7'
39-527-3	Jamb	3'	7'
39-104-4	Sill	4'	8'
39-527-4	Jamb	4'	8'
39-104-5	Sill	5'	9'
39-527-5	Jamb	5'	9'
39-104-6	Sill	6'	10'
39-527-6	Jamb	6'	10'
39-104-7	Sill	7'	11'
39-527-7	Jamb	7'	11'
39-104-8	Sill	8'	12'
39-527-8	Jamb	8'	12'
39-104-9	Sill	9'	13'
39-527-9	Jamb	9'	13'
39-104-10KD	Sill	10'	14'
39-527-10KD	Jamb	10'	14'
39-104-12KD	Sill	12'	16'
39-527-12KD	Jamb	12'	16'

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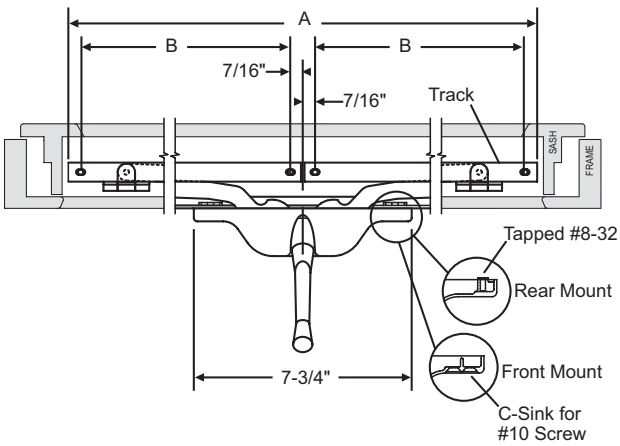
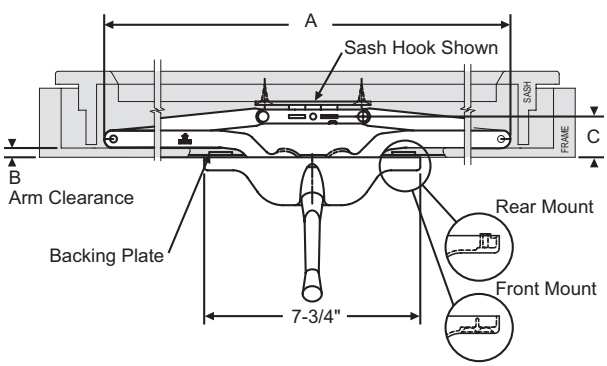
FACE MOUNTED AWNING OPERATORS



Part #	Arm Length	Overall Length "A" Including Track	Finish	Mounting Style	Track Part #	Track Length "B"
29-129-8	5-1/2"	16-3/4"	Chestnut Bronze	Front	**38-66**	7-1/2"
29-129-10	5-1/2"	16-3/4"	Black	Front	**38-66**	7-1/2"
29-129-13	5-1/2"	16-3/4"	Brushed Copper Nickel	Front	**38-66**	7-1/2"
29-130-3	9"	25-3/4"	White	Front	**38-57**	12"
29-130-7	9"	25-3/4"	Aluminum	Front	**38-57**	12"
29-130-8	9"	25-3/4"	Chestnut Bronze	Front	**38-57**	12"
29-128-1	11"	27-3/4"	Bronze	Front	**38-58**	13"
29-128-3	11"	27-3/4"	White	Front	**38-58**	13"
29-128-7	11"	27-3/4"	Aluminum	Front	**38-58**	13"
29-128-8	11"	27-3/4"	Chestnut Bronze	Front	**38-58**	13"
29-128-12	11"	27-3/4"	Medium Bronze	Front	**38-58**	13"
29-128-13	11"	27-3/4"	Brushed Copper Nickel	Front	**38-58**	13"
29-185-3	11"	27-3/4"	White	Rear	**38-58**	13"

Pivot Shoe Operator. Designed for Single Vent Awning Windows.

Handle sold separately. See Pages 247 - 251



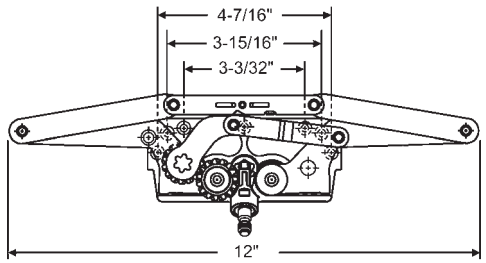
Part #	Overall Width "A"	Arm Clearance "B"	Dimension "C"	Finish	Mounting	Approximate Sash Opening
29-181-1	16"	11/32"	1-1/2"	Bronze	Rear	10"
29-181-3	16"	11/32"	1-1/2"	White	Rear	10"
29-182-3	16"	11/32"	1-1/2"	White	Front	10"
29-177-3	21-1/2"	1/4"	1-3/32"	White	Front	15"
29-199-1	21-1/2"	1/4"	1-3/32"	Bronze	Rear	15"
29-199-3	21-1/2"	1/4"	1-3/32"	White	Rear	15"
29-199-8	21-1/2"	1/4"	1-3/32"	Chestnut Bronze	Rear	15"
29-159-3	21-1/2"	11/32"	1-1/2"	White	Rear	15"
29-159-10	21-1/2"	11/32"	1-1/2"	Black	Rear	15"

Scissors Arm Operator

Handle sold separately. See Pages 247 - 251

SILL MOUNTED AWNING OPERATORS

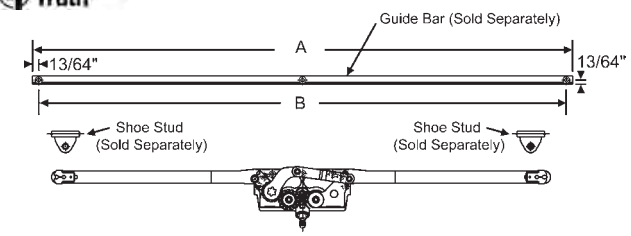
TRUTH'S ENTRYGARD SERIES AWNING OPERATORS



29-167

Handle and cover sold separately. See Pages 246 - 251

Single Pull

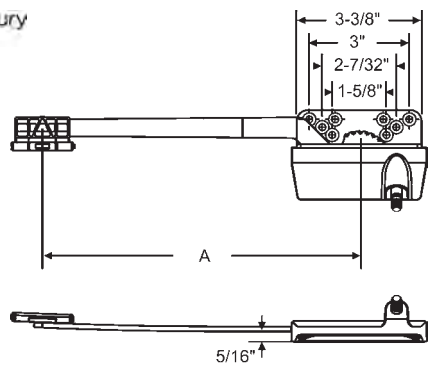


Part #	A	B	Shoe Stud	Guide Bar
29-166	22-3/4"	22-1/8"	39-42	39-320
29-168	30-3/4"	30-1/8"	39-42	39-354

Note: Order Shoe Studs and Guide Bar Separately.

Handle and cover sold separately. See Pages 246 - 251

TRUTH'S TRADITIONAL SERIES AWNING OPERATORS

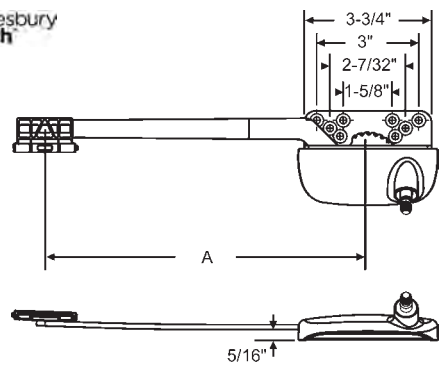


Part #	A
36-301-3	9-1/2"
36-337-3	13-1/2"

Single Arm

Handle sold separately. See Pages 247 - 251

TRUTH'S ELLIPSE SERIES AWNING OPERATORS

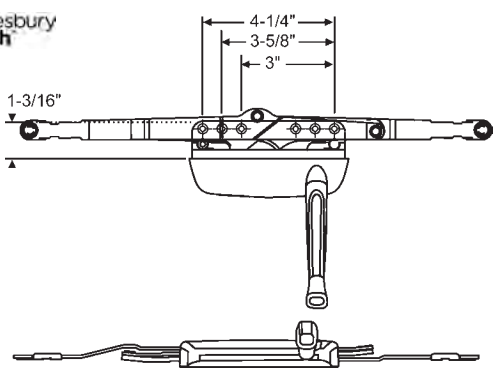


Part #	A
36-301-3E	9-1/2"
36-337-3E	13-1/2"

Single Arm

Handle sold separately. See Pages 247 - 251

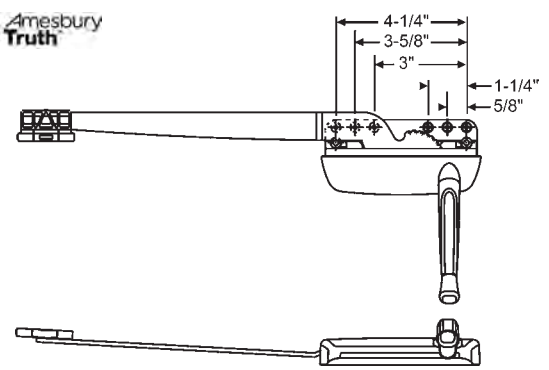
TRUTH'S MAXIM® SERIES AWNING OPERATORS



Part #	Finish	Handle Only
29-179-1	Bronze	37-150-1
29-179-3	White	37-150-3

Other Finishes Available.

Handle sold separately. See Pages 247 - 251



Part #	Finish	Handle Only
29-191-1	Bronze	37-150-1
29-191-3	White	37-150-3

Other Finishes Available

Handle sold separately. See Pages 247 - 251

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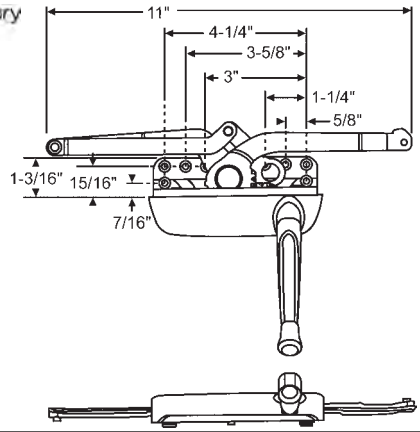
SILL MOUNTED AWNING OPERATORS

TRUTH'S MAXIM® SERIES NARROW AWNING OPERATORS

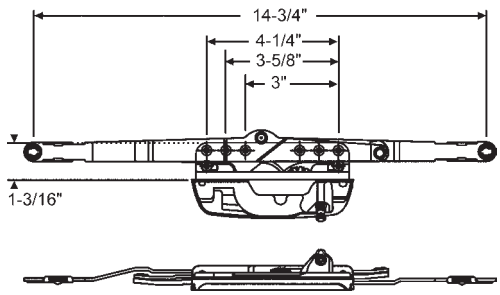


Part #	Finish	Handle Only
29-240-3	White	37-150-3

Other Finishes Available

Handle sold separately. See Pages 247 - 251

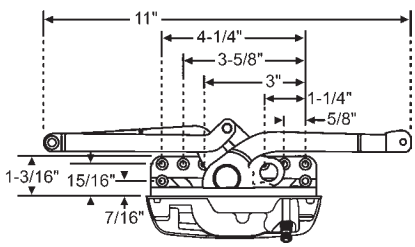
TRUTH'S ENCORE SERIES AWNING OPERATORS



29-179EN

Handle and cover sold separately. See Pages 247 - 251

TRUTH'S ENCORE SERIES NARROW AWNING OPERATORS

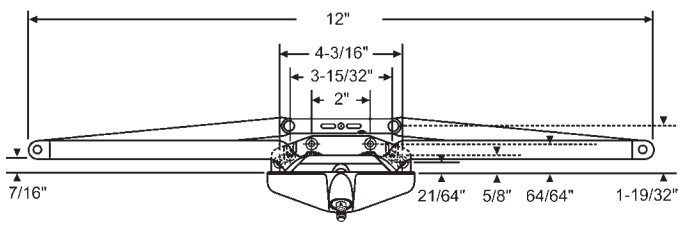


Part #	Description
29-240EN	Steel
29-240ENSS	Stainless Steel

Other Finishes Available

Handle and cover sold separately. See Pages 246 - 251

TRUTH'S AWNING OPERATORS

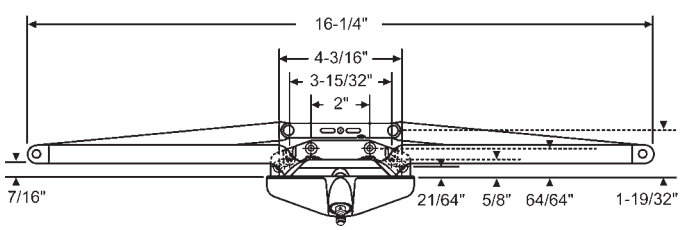


Part #	Finish
29-156-1	Bronze
29-156-3	White

Single Pull.

Handle sold separately. See Pages 247 - 251

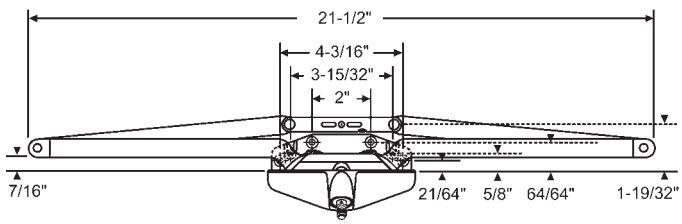
TRUTH'S AWNING OPERATORS



Part #	Finish
29-119-1	Bronze
29-119-3	White
29-119-6	Clay
29-119-9	Beige

Single Pull.

Handle sold separately. See Pages 247 - 251



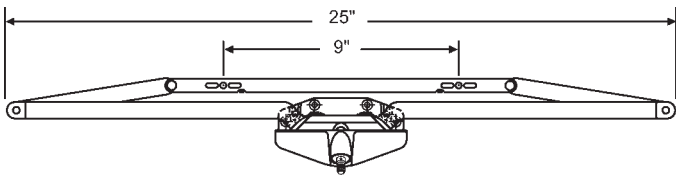
Part #	Finish
29-118-1	Bronze
29-118-3	White
29-118-6	Clay
29-118-8	Chestnut Bronze
29-118-87	Gold
29-118-9	Beige

Single Pull.

Handle sold separately. See Pages 247 - 251

SILL MOUNTED AWNING OPERATORS

TRUTH'S AWNING OPERATORS

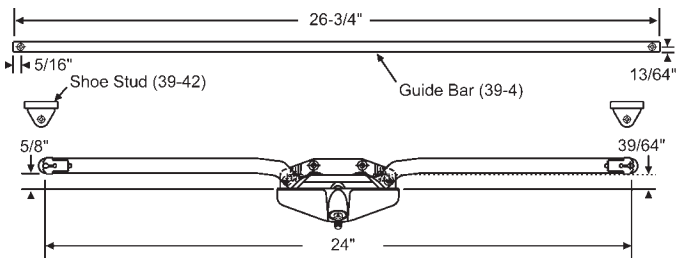


Part #	Finish
29-120-1	Bronze
29-120-87	Gold (New)
29-120-3	White

Dual Pull

Handle sold separately. See Pages 247 - 251

Other Finishes Available

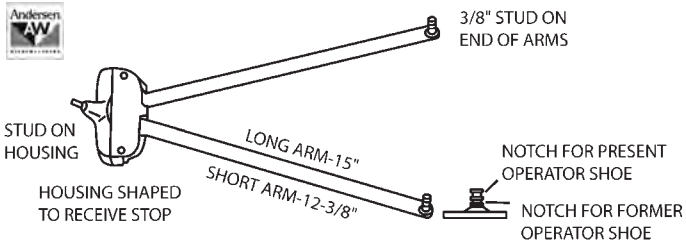


Part #	Finish
29-121-1	Bronze
29-121-87	Gold (New)
29-121-3	White
29-121-10	Black

Note: Must Order Shoe 39-42 Stud and 39-4 Guide Bar Separately

Handle sold separately. See Pages 247 - 251

ANDERSEN AWNING OPERATORS

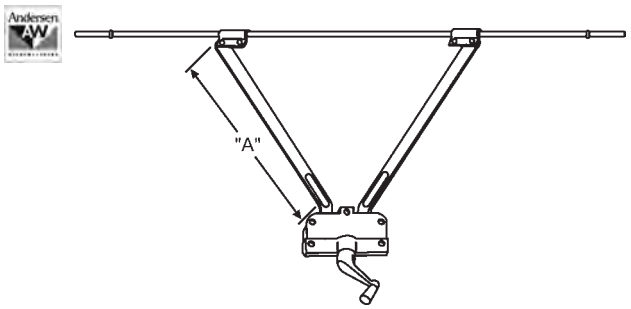


750-0338908

Shoe Sold Separately

Part #	Finish	Arm Length	Handle Only
750-0333808	Bronze	12-3/8"	750-1361358
750-0333908	Bronze	15"	750-1361358

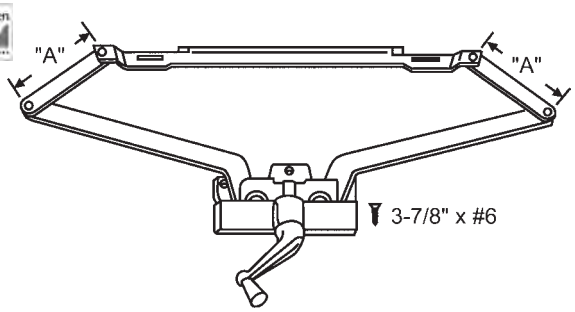
Comes Complete with Handle and Rods



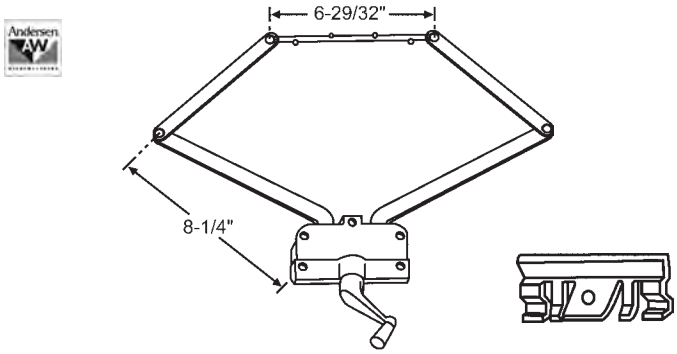
Part #	Finish	A	Handle Only
750-1521604	Stone	11"	750-0532408
750-1521606	Stone	15"	750-0532408

Includes Rods, Brackets and Screws

Handle sold separately. See Pages 247 - 251



This operator is no longer available.
Replace with 750-1521608 Operator and use Brackets in Place of Existing Track.



Part #	Finish	Handle Only
750-1521608	Stone	750-0532408

Includes Bracket and Screws.

Handle sold separately. See Pages 247 - 251

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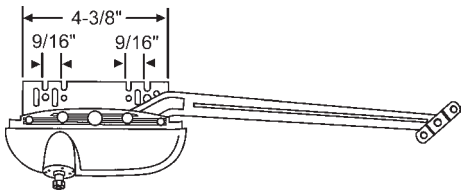
SILL MOUNTED AWNING OPERATORS

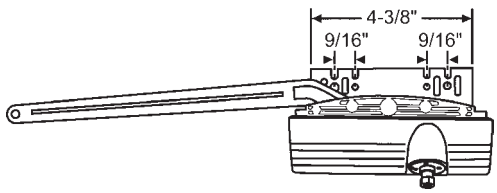
ROTO AWNING OPERATORS



Part #	Finish
36-484AD	Almond
36-484BEW	Blue White
36-484EW	Euro White
36-484W	White

Awning Operator with 10" Arm

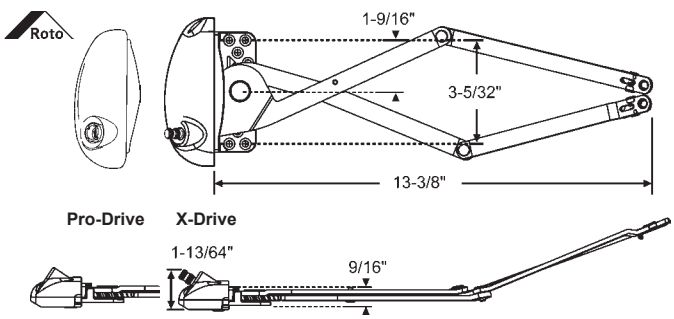
Handle sold separately. See Pages 247 - 251



Part #	Finish
29-208BEW	Blue White
29-208BG	Beige

Awning Operator with 10" Arm

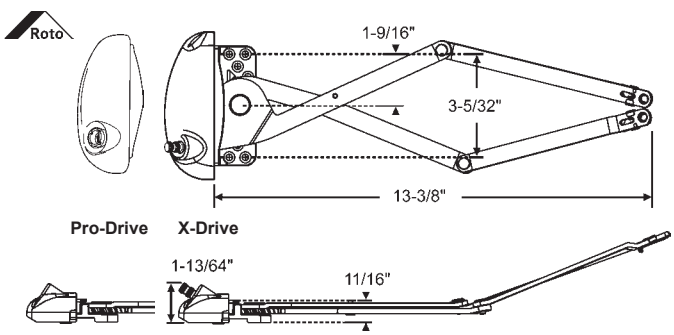
Handle sold separately. See Pages 247 - 251



Part #	Finish	Style
29-253W-XD	White	X-Drive
29-253DBR	Dark Brown	Pro-Drive
29-253EB	Earth Brown	Pro-Drive
29-253EW	G1 White	Pro-Drive
29-253AD	Almond	Pro-Drive

For Vinyl Window Application.

Handle sold separately. See Pages 247 - 251

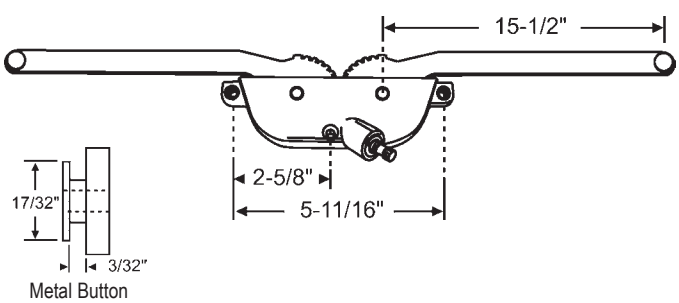


Part #	Finish	Style
29-254W-XD	White	X-Drive
29-254W	White	Pro-Drive

Notched for Wood Window Application.

Handle sold separately. See Pages 247 - 251

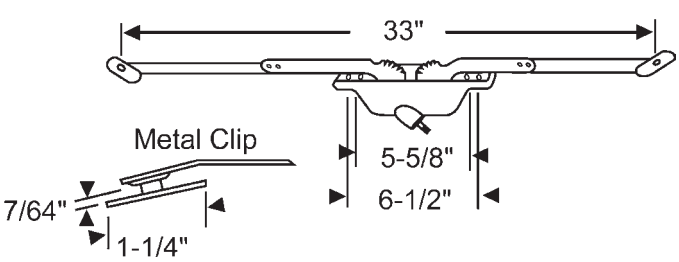
MISCELLANEOUS AWNING OPERATOR



Metal Button

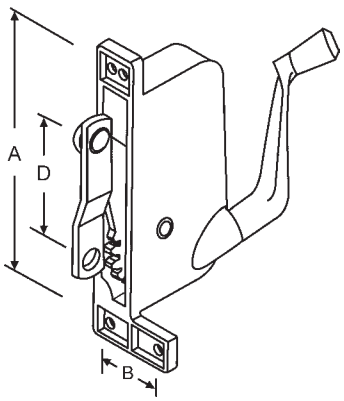
Part #	Finish
29-111	Bronze

Dual Arm Operator for Wood Windows. Handle Included

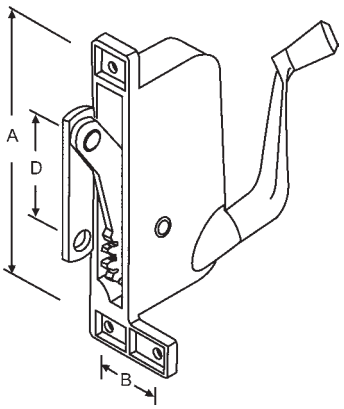


Part #	Finish
29-102	Aluminum

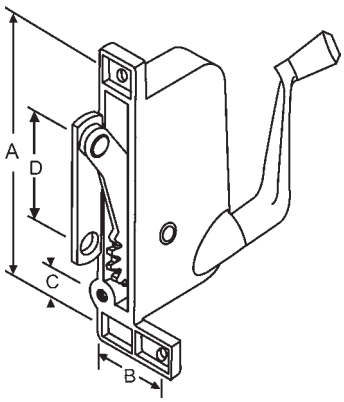
MILL FINISH AWNING OPERATORS - MIAMI TYPE



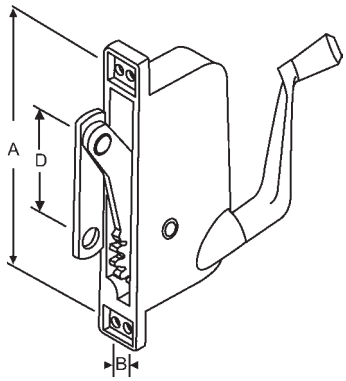
TYPE I
Shown: R.H. Operator
with Reverse Offset on Link Arm



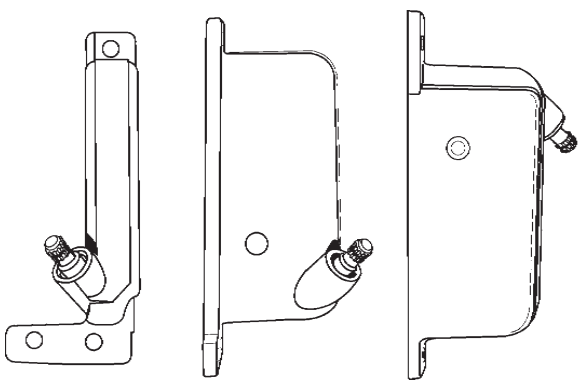
TYPE II
Shown: R.H. Operator
with Straight Link Arm



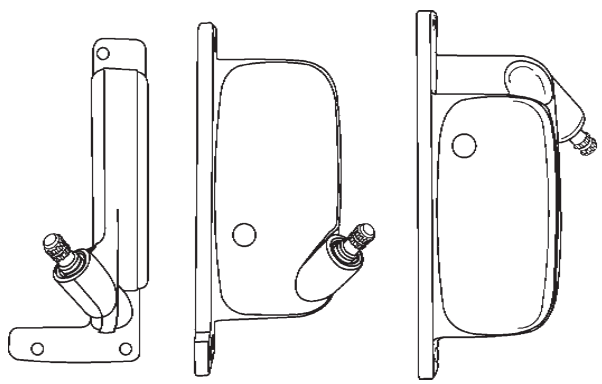
TYPE III
Shown: R.H. Operator
with Straight Link Arm



TYPE IV
Shown: R.H. Operator
with Straight Link Arm



Classic Style Awning Operator - Part Numbers Ending in HD



Contemporary Style Awning Operator - Part Numbers Ending in D

RH Part #	LH Part #	Window Name	Housing Type	Dim "A"	Dim "B"	Dim "C"	Dim "D"	Straight/Offset	Link End
41-200P D	**41-201P D**	Pan American	I	5-1/4"	1-5/16"	N/A	2-5/8"	S	5/16-18 Thread
41-207P D	**41-206P D**	Stanley	I	5-1/4"	1-3/8"	N/A	2-3/16"	OS	3/8 Hole
41-259P D	**41-260P D**	Lenahan	I	5-1/4"	13/16"	N/A	2-11/16"	S	3/8 Hole
41-271P HD	**41-270P HD**	Yale - Ogron	I	5-1/4"	7/8"	N/A	2-3/16"	S	3/8 Hole
41-296P D	**41-295P D**	Ware	I	5-1/4"	7/8"	N/A	2-3/16"	OS	3/8 Hole
41-205P D*	**41-204P D***	Keller - Air Control - PGT	II	5-1/4"	1-1/8"	N/A	2-5/16"	S	1/4-20 Thread
41-214P D	**41-215P D**	ABC	II	5-1/4"	1-1/4"	N/A	2-7/16"	S	3/8 Hole
41-230P D*	**41-231P D***	Look - Rusco	II	5-1/4"	1-3/8"	N/A	2-7/16"	S	1/4-20 Thread
41-257P D*	**41-258P D***	Tucker	II	5-1/4"	1-1/4"	N/A	2-3/8"	S	10-24 Thread Bushing
41-263P D	**41-264P D**	Nu-Aire	II	5-1/8"	15/16"	N/A	2-5/8"	S	3/8 Hole
41-395P D	**41-396P D**	Stanley - CE	II	5-1/4"	1-3/8"	N/A	2-3/16"	OS	3/8 Hole
41-636P D	**41-637P D**	Remington - Silver Line	II	5-1/4"	1-1/8"	N/A	2-7/16"	S	10-24 Thread Bushing
41-211P D	**41-210P D**	Miami	III	5-1/8"	1-1/2"	1/2"	2"	OS	5/16-18 Thread
41-212P D	**41-213P D**	ABC	III	5-1/16"	1-7/16"	1/2"	2-3/16"	S	1/4 E-Ring Stud
41-232P HD	**41-233P HD**	Superior	III	5-1/16"	1-7/16"	1/2"	2-1/8"	S	5/16-18 Thread
41-234P D	**41-235P D**	Crown	III	5-1/6"	1-7/16"	1/2"	2-1/4"	S	3/8 Hole
41-236P D*	**41-237P D***	Tucker	III	5-1/16"	1-7/16"	1/2"	2-1/2"	S	10-24 Thread Bushing
41-388P D	**41-387P D**	Harcar	III	5-1/16"	1-7/16"	1/2"	2-7/16"	OS	5/16-18 Thread
41-457P D	**41-455P D**	VE Anderson	III	5-1/16"	1-7/16"	1/2"	2-1/2"	OS	3/8 Hole
41-223P D*	**41-224P D***	Look - Rusco	IV	5-1/4"	7/16"	N/A	2-1/8"	S	5/16-18 Thread

For Additional Sizes and Colors Contact Your Account Manager. Items Above also Available Carded

*** Top hole is offset, not centered.**

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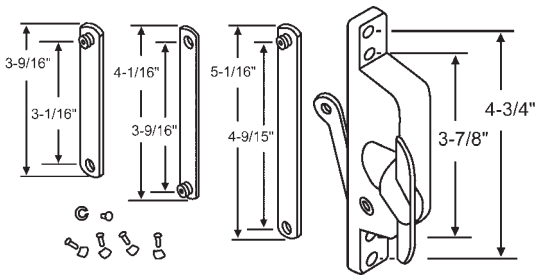
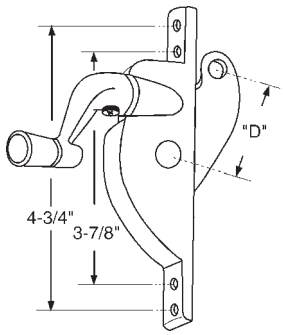
JALOUSIE OPERATORS

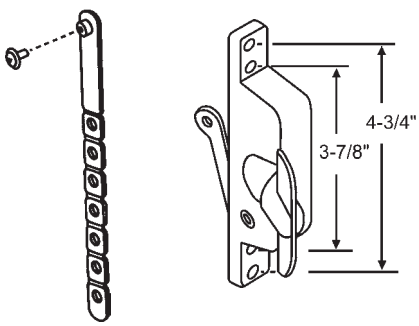


Part #	Finish
41J-4000PK	Aluminum
41J-4000PKW	White

Universal Jalousie Operator Kit

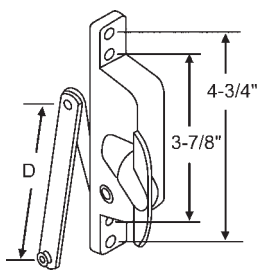


Part #	Packaging	Finish	Hand	Link	"D"
41J-208P	Bagged	Aluminum	Shown		1-1/2"
41J-209P	Bagged	Aluminum	Opposite		1-1/2"
41J-242P	Bagged	Aluminum	Opposite		2"
41J-243P	Bagged	Aluminum	Shown		2"
41J-809P	Bagged	Aluminum	Opposite		1-1/4"
41J-810P	Bagged	Aluminum	Shown		1-1/4"
41J-882P	Bagged	Aluminum	Shown	3" Link	1-1/2"
41J-883P	Bagged	Aluminum	Opposite	3" Link	1-1/2"



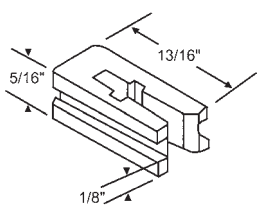
Part #	Finish
29-160	Aluminum
29-161	Bronze

Break-Away Operator Kit, Includes Screws

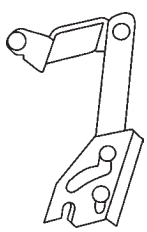


Part #	Packaging	Finish	Description	"D"
41J-300P	Bagged	Aluminum	Air Control	3-1/32"
41J-300PB	Bagged	Bronze	Air Control	3-1/32"
41J-300PW	Bagged	White	Air Control	3-1/32"
41J-301P	Bagged	Aluminum	Stanley	3-11/32"
41J-302P	Bagged	Aluminum	ABC	1-23/32"
41J-303P	Bagged	Aluminum	Pan Am	3-5/8"
41J-303PB	Bagged	Bronze	Pan Am	3-5/8"
41J-303PW	Bagged	White	Pan Am	3-5/8"
41J-441P	Bagged	Aluminum	Look	3-5/8"
41J-464P	Bagged	Aluminum	Superior	4"
41J-464PB	Bagged	Bronze	Superior	4"
41J-464PW	Bagged	White	Superior	4"
41J-1421P	Bagged	Aluminum	Crown	4-1/2"
41J-3338P	Bagged	Aluminum	Nu Air	4-1/4"

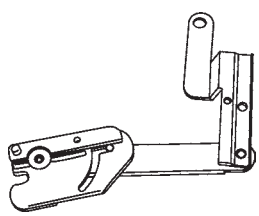
AWNING AND JALOUSIE ACCESSORIES



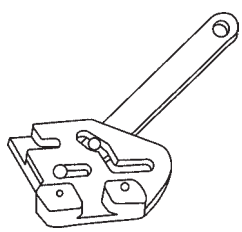
33-138
Awning Window Guide
Nylon



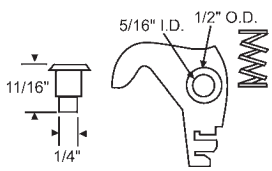
28-91
Awning Vent Hinge
Assemblies (Pair)
BINNINGS PAN AM



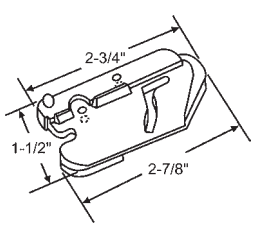
900-9732
Vent Hinge (Pair)
ANDERSON



900-236
Harcar Lock Assembly (Pair)
HARCAR

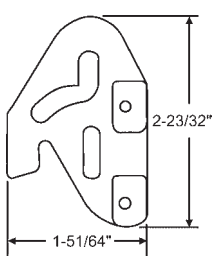


900-7949
Bottom Nylon Vent Hook Set
(2 Guides, 2 Rivets, 2 Springs)

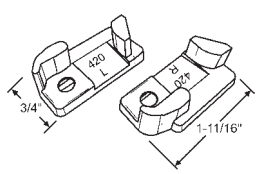


33-142
Vent Lock - Pair

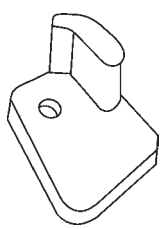
ANDERSON



33-123
Natural Nylon Cam Lock
with Rivets
HARCAR

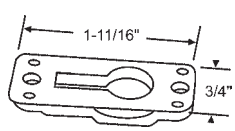


900-299
Black Plastic. Awning Window
Vent Lock Set (RH/LH)
STANLEY



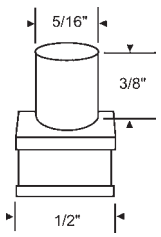
900-300
Top Vent Lock (Pair)

STANLEY



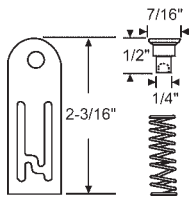
900-301
Control Bracket
Use with 900-301C Cam
STANLEY

AWNING AND JALOUSIE ACCESSORIES



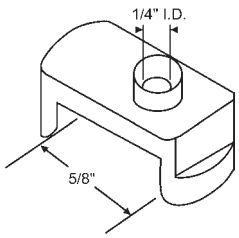
900-304
Locking Pin

AIR CONTROL

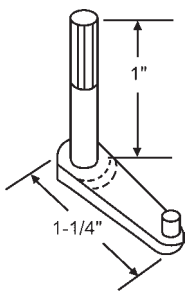


900-9874
Locking Spring/Guide Set

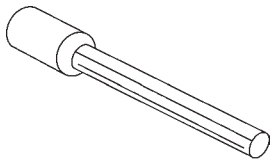
CROSSLY



33-124
Draw Bar Bearing

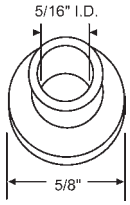


33-134
Cline Link

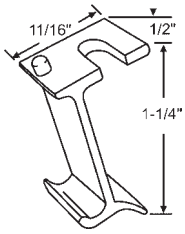


Part #	Color
33-122AL	Aluminum
33-122BZ	Bronze
33-122W	White

6" Standard Length Cut to Size in Field. Male 5/16" Hex to 3/8" Female Spline.

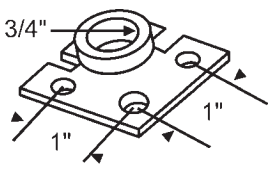


900-20934
Nylon Bushing



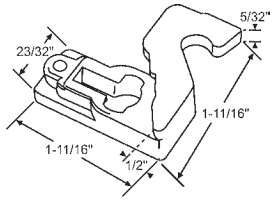
900-10447
Sliding Window Pivot Bracket

ACORN

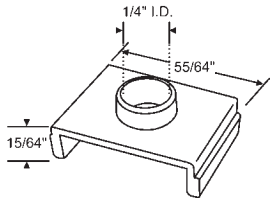


526P
Torque Bar Bearing

LUDMAN

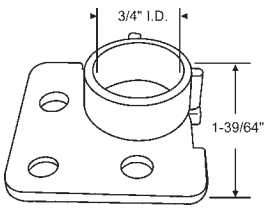


33-126
Vent Lock



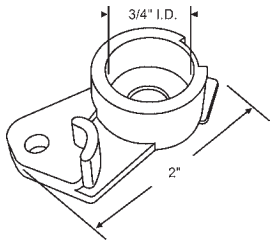
33-129
Slide Bar Guide
Plastic

AIR CONTROL



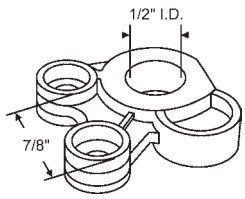
900-259
Torque Bar Bearing
Plastic

MIAMI



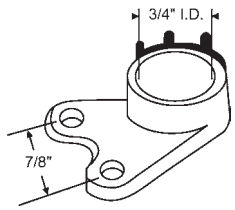
900-279
Torque Bar Bearings (Pair)
Plastic

STANLEY

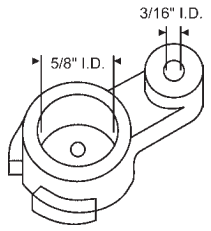


900-275
Torque Shaft Bearing

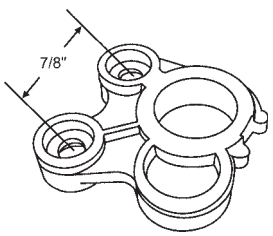
CROSSLY



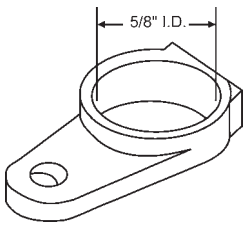
900-282
RH/LH Torque Bar Bearings (Set)



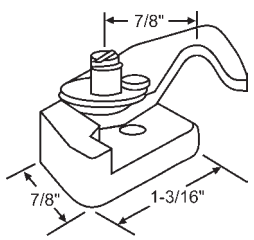
33-125
Torque Bar Bearing



900-274
Torque Shaft Bearing

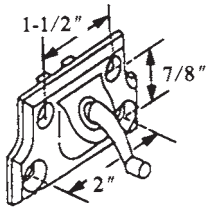


900-6903
Torque Bar Bearing



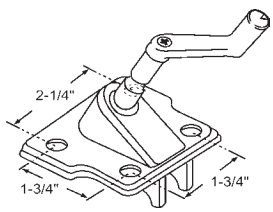
33-107
Block Hook Assembly
Nylon Base with Aluminum Hook
Sold in Sets Only

KELLER



900-7349
Center Operator with Handle
100 Series

UALCO



900-7967
Center Operator with Handle
200 Series

UALCO

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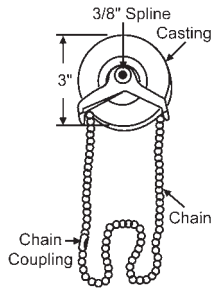
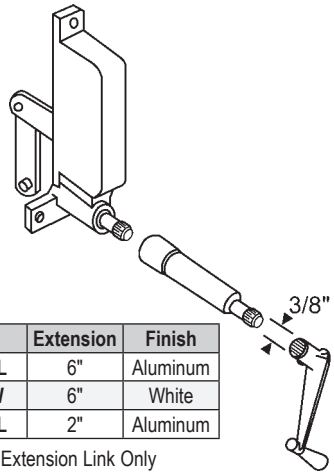
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

AWNING AND JALOUSIE ACCESSORIES



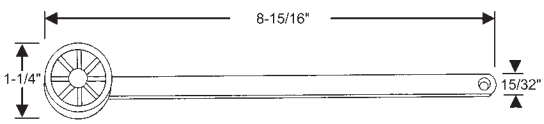
Part #	Description
33-146	Chain Wheel Only
33-135	#13 Large Chain
33-136	Chain Coupling

#13 chain sold by the foot. All items need to be ordered separately

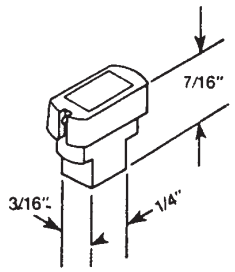


Part #	Extension	Finish
37-161-6AL	6"	Aluminum
37-161-6W	6"	White
37-161-2AL	2"	Aluminum

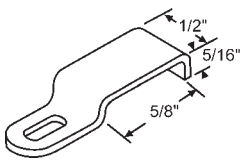
ATW Extension Link Only
Male to Female 3/8" Spline.



900-20144
Basement Hopper Roller Guide

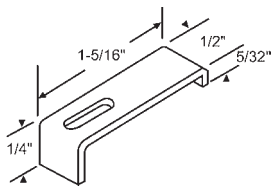


33-112
Die Cast Balance Arm Button

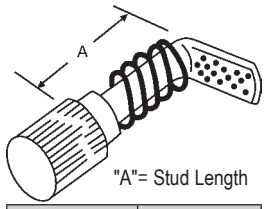


Part #	Finish
33-101W	White
33-101BZ	Bronze

KELLER

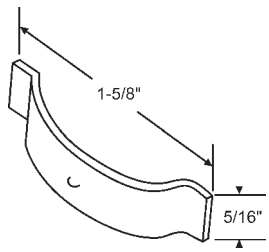


33-100W
White Panel Clip

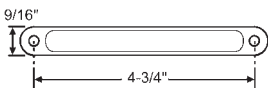


Part #	"A"
33-105	7/8"
900-12157	1"
900-12158	3/4"

Panel Screw. Aluminum

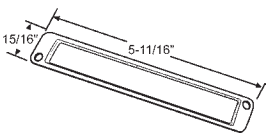


900-16054
Stamped Steel Spring Clip
CLEARVIEW



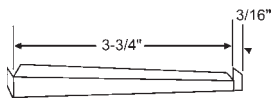
Part #	Finish
900-15138	Aluminum
900-15138BZ	Bronze
900-15138W	White

Cover Plate
PAN AM

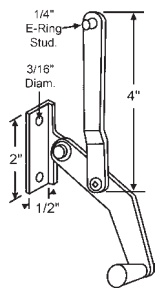


Part #	Finish
33-128	Mill
33-128W	White
33-128BZ	Bronze

Cover Plate. Offset Hole

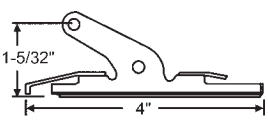


900-15108
Jalousie Wedge.
Sold in Pairs Only (RH& LH)
ARNOLD ALTEX



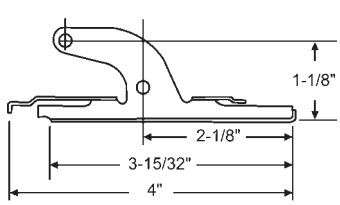
Part #	Hand
900-21293RH	Shown
900-21293LH	Opposite

Push Operator



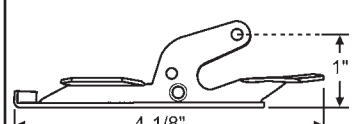
Part #	Finish
JWC-002-ML	Mill
JWC-002-WH	White

Jalousie Clip
PAN-AM / LOOK

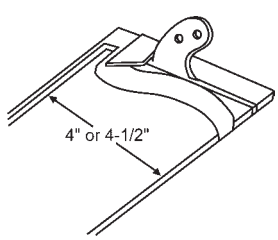


Part #	Finish
900-7713	Aluminum

Sold in Sets Only (1 Right & 1 Left Clip)

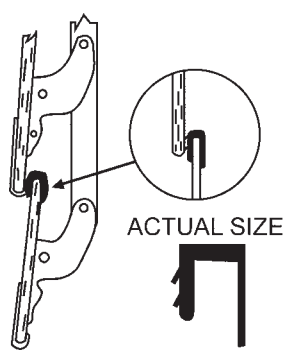


33-180
Aluminum. Sold in Pairs
AIR MASTER



Part #	Glass Size	Length
33-111-4	4"	3-1/16"
33-111-4 1/2	4-1/2"	3-3/8"

Security Clips. Stainless Steel Clips Apply Pressure and Prevent Glass Removal from Outside. One Clip Under Each End Bracket Affords Extra Security.

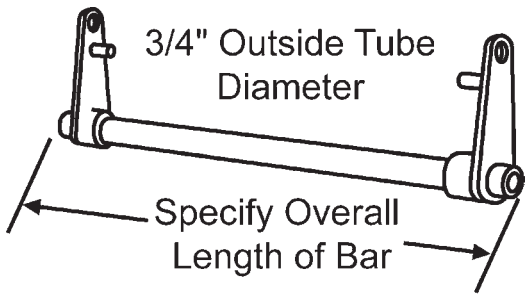


33-106
Jalousie Seal. 36' per Bag.
Seals Out The Drafts

3/4" ALUMINUM AWNING WINDOW TORQUE BAR ASSEMBLIES

Typical Torque Bar Assembly

Many Types in Stock
Minimum Order Required
for Non-Stocked Items



Part #	Manufacturer
33-113	Yale Ogron
33-151	Superior/Miami
33-152	Airelok
33-153	Old Tropical
33-154	Stanley 45
33-155	Pan Am/Daryl
33-156	ABC
33-157	Old Air Control
33-158	Anderson

Part #	Manufacturer
33-159	Keller/Air Control
33-160	Old Ware
33-161	Miami Highlander
33-162	Wallace
33-163	Stanley
33-164	Ludman
33-165	Old Crossly
33-166	Old Tucker
33-178	Security
33-183	Stanley Narrow Vent

Ordering Instructions

1. Identify manufacturers name of torque bar arms from drawings below
2. Match manufactures name from torque bar assembly chart and choose part number.
3. Measure length of bar including torque bar arms.
4. To create part number, combine #2 and #3.

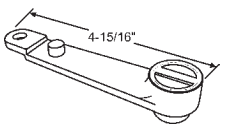
Example

- Torque bar arm matches manufacturer Yale Ogron
- Yale Ogron matches torque bar assembly Part Number 33-113
- Length of bar including torque bar arms is 25-1/2"
- Order part number 33-113-25-1/2

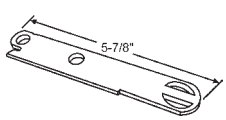
Ordering Instructions: Identify manufacturer, then specify overall length, including torque bar arm.

TORQUE BAR ARMS

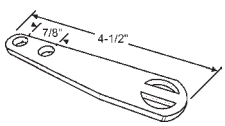
(Available Separately)



900-12807
YALE OGRON

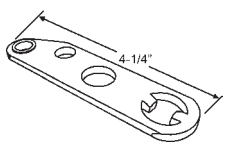


33-167
SUPERIOR/MIAMI

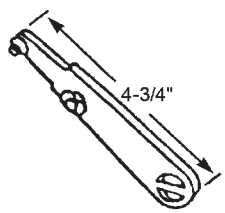


33-168
AIRELOK

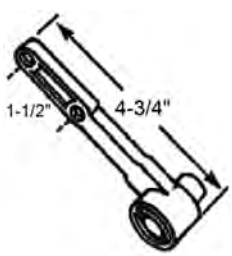
33-169
OLD TROPICAL



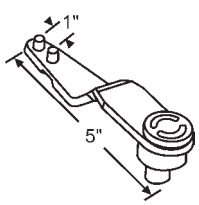
33-133
PAN AM/DARYL



900-21437
ABC

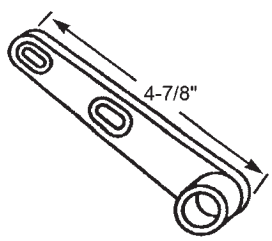


900-8283
OLD AIR CONTROL

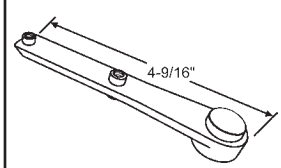


900-22269
ANDERSON

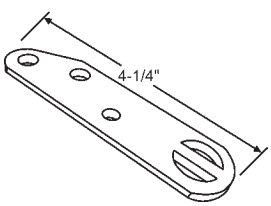
900-11364
KELLER/AIR CONTROL



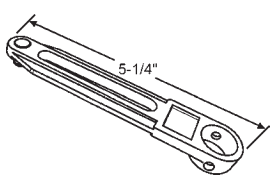
33-172
OLD WARE



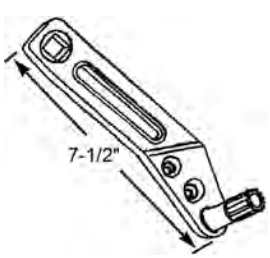
33-173
MIAMI/HIGHLANDER



33-174
WALLACE

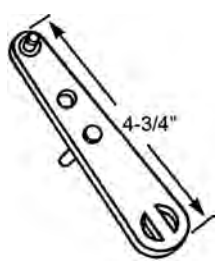


900-331
STANLEY



33-175
LUDMAN

33-176
OLD CROSSLY



33-177
OLD TUCKER

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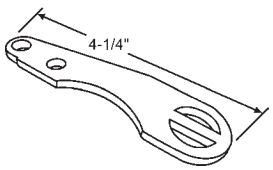
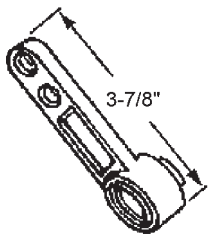
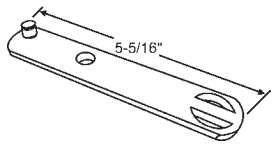
TORQUE BAR ARMS



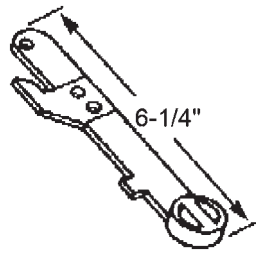
33-179
SECURITY



547P
Die Cast
ARNOLD/ALTEX

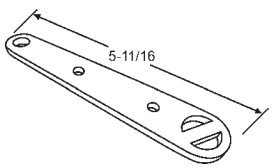


640P
Pair
DURAL



900-9997
Pair
UALCO SERIES 300

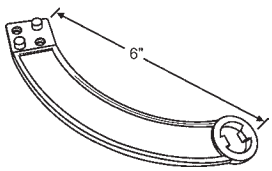
900-7660
Pair
UALCO SERIES 200



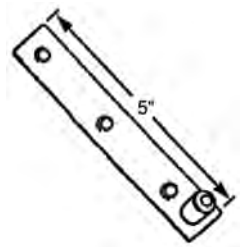
644P
UNIVERSAL

AWT 10

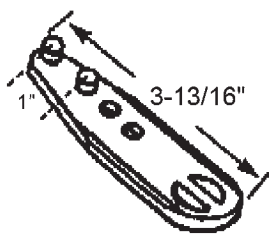
105P
LOOK



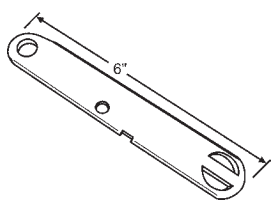
467P
Pair
MIAMI
RADIAL ARM



AWT 18

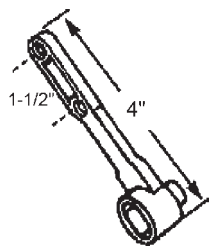


638P
STANLEY
NARROW VENT

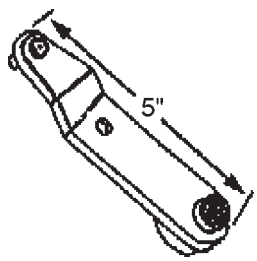


439P
PALM BEACH

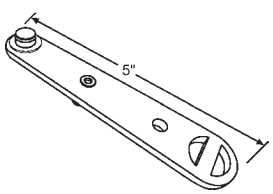
150P
HAR CAR



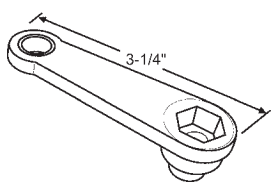
900-8284
Die Cast
AIR CONTROL
OLD SLOT



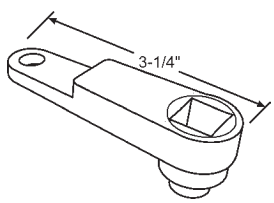
900-21137
VE ANDERSON
MODEL 405



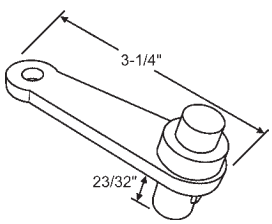
900-21435
NU-AIRE



900-21003H
GENERAL
HEX



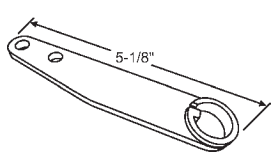
900-21003
SQUARE



900-21433
GENERAL
ROUND

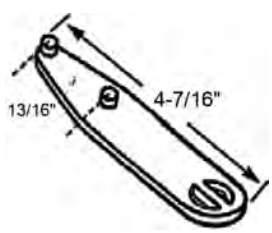
AWT 50
ORIGINAL
AWN-WIN

AWT 52
No Longer Available
KELLER '90

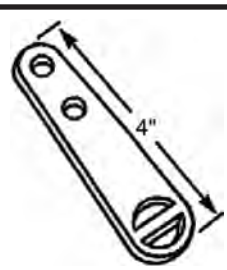


142P
ARNOLD
ALTEX

AWT 56

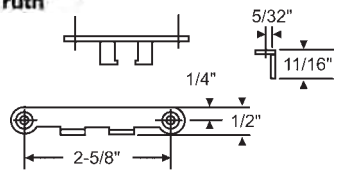


AWT 61
WILLIAMS



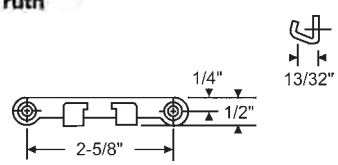
AWT 64
AIR MASTER

CASEMENT AND AWNING OPERATOR BRACKETS



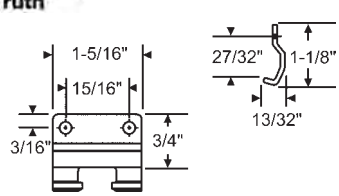
Part #	Description
39-364	E-Gard Finish

Sash Hook



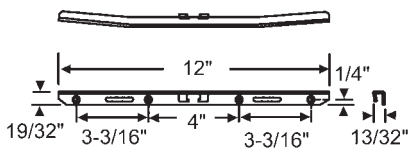
Part #	Description
39-1	E-Gard Finish
39-1CG	Coast-Gard Finish

Sash Hook for Lever Operator



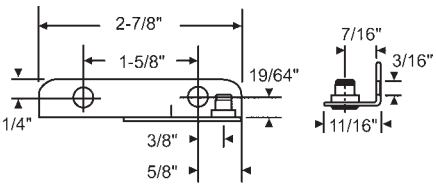
39-241

Center Hook for Lever Operator



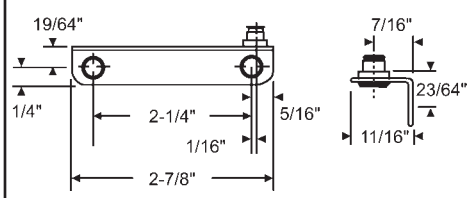
Part #	Description
39-2	E-Gard Finish
39-2CG	Coast-Gard Finish

Torsion Bar for Lever Operator



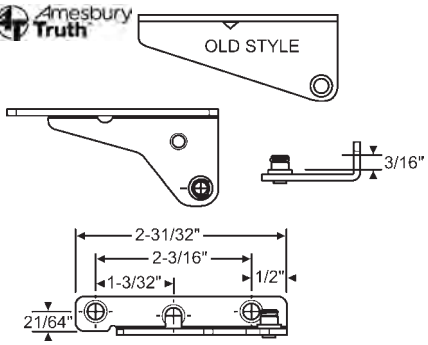
Part #	Hand
39-409	Shown
39-410	Opposite

Dual Arm Operator Bracket. E-Gard Finish



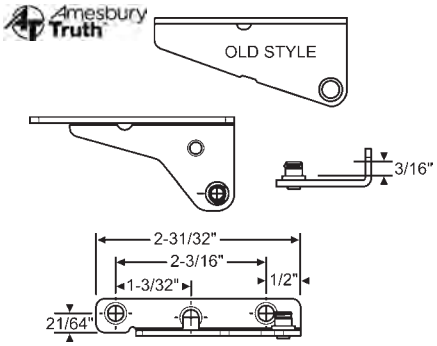
Part #	Hand
39-411	Shown
39-412	Opposite

Dual Arm Operator Bracket. E-Gard Finish



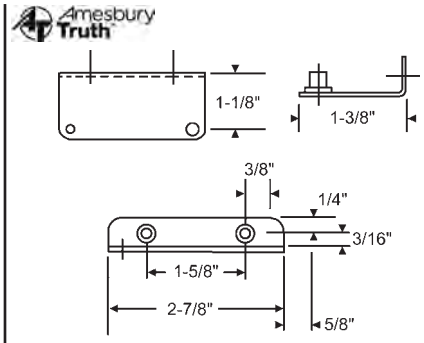
Part #	Hand
39-299	Shown
39-298	Opposite
39-299CG (Coast-Gard)	Shown
39-298CG (Coast-Gard)	Opposite

Clip-on Type



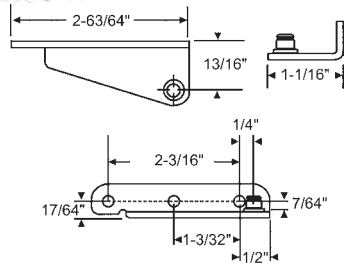
Part #	Hand
39-21	Shown
39-21SS (Stainless Steel)	Shown
39-22	Opposite
39-22SS (Stainless Steel)	Opposite

Snap-on Type



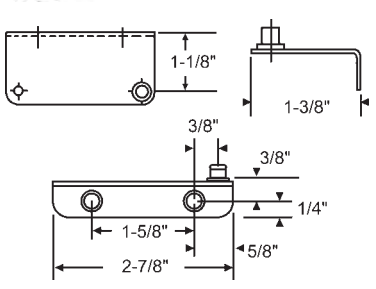
Part #	Hand
39-9 (E-Gard)	Shown
39-10 (E-Gard)	Opposite
39-9CG (Coast-Gard)	Shown
39-10CG (Coast-Gard)	Opposite

Stud Bracket

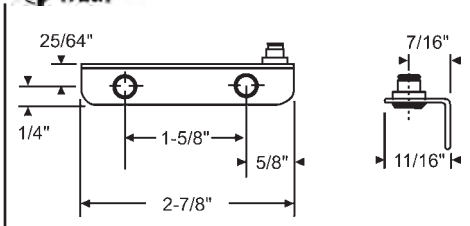


Part #	Hand	Clip Type
39-534 (E-Gard)	Shown	Snap Stud
39-535 (E-Gard)	Opposite	Snap Stud
39-534CG (Coast-Gard)	Shown	Snap Stud
39-535CG (Coast-Gard)	Opposite	Snap Stud

Stud Bracket



Part #	Hand
39-65	Shown
39-66	Opposite



Part #	Hand
39-5	Shown
39-6	Opposite
39-5SS (Stainless Steel)	Shown
39-6SS (Stainless Steel)	Opposite

Stud Bracket

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PH: 631-979-9261 FAX: 631-979-8245
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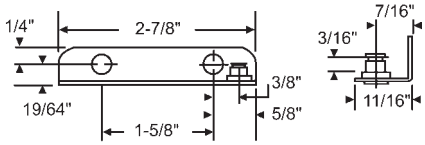
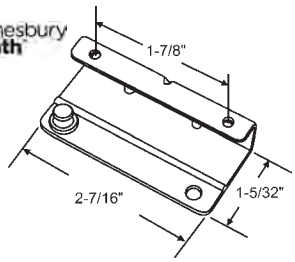
CASEMENT AND AWNING OPERATOR BRACKETS



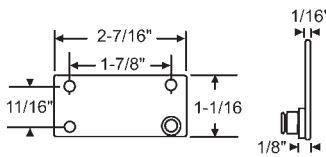
Part #	Hand
39-7	Shown
39-8	Opposite

Stud Bracket



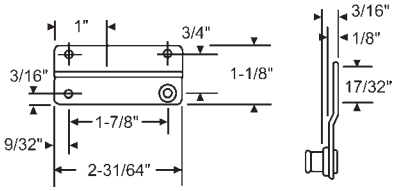
Part #	Hand
39-48	Shown
39-49	Opposite

Stud Bracket



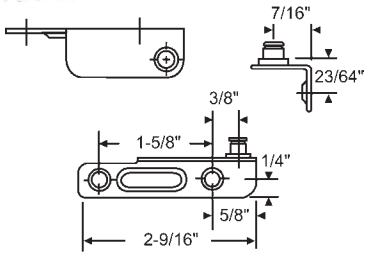
Part #	Hand
39-50	Shown
39-51	Opposite

Stud Bracket



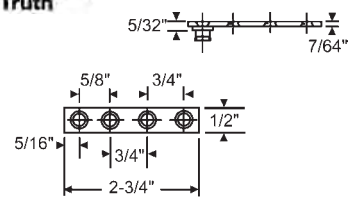
Part #	Hand
39-52	Shown
39-53	Opposite

Stud Bracket



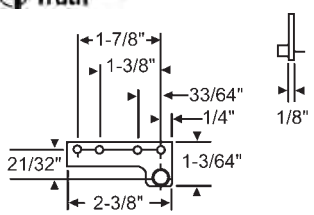
Part #	Hand
39-15	Shown
39-16	Opposite

Stud Bracket



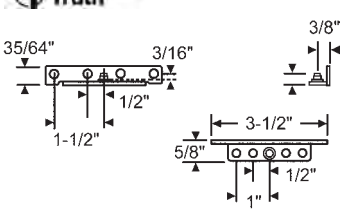
Part #	Material	Description
39-64	E-Gard	No Snap Stud
39-64CG	Coast-Gard	No Snap Stud
39-403	E-Gard	With Snap Stud
39-403CG	Coast-Gard	With Snap Stud

Non-Hand



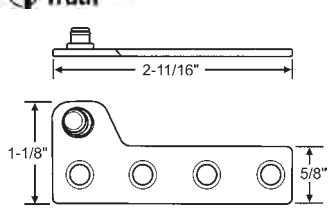
Part #	Hand
39-569	Shown
39-570	Opposite

Stud Bracket



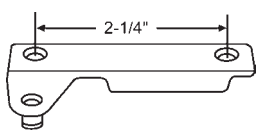
39-418

Non-Hand Snap Stud Bracket

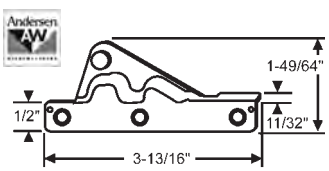


Part #	Hand
39-460	Shown
39-461	Opposite

Snap Stud Bracket

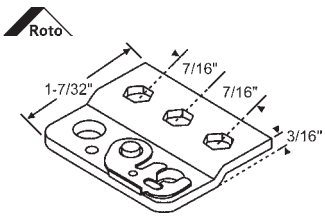


Part #	Hand
750-1361208	Shown
750-1361210	Opposite



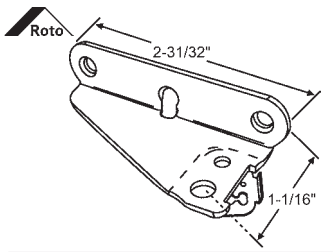
Part #	Hand	Type
750-1361409	Shown	Standard
750-1361408	Opposite	Standard
750-1361411	Shown	Corrosion Resistant
750-1361410	Opposite	Corrosion Resistant

Sash Bracket for 750-1361484



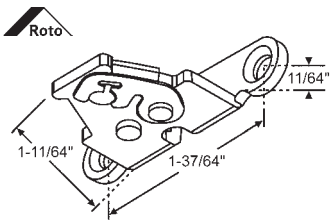
Part #	Hand
39-737LH	Shown
39-737RH	Opposite

Sash Bracket



Part #	Hand
39-698	Shown
39-699	Opposite

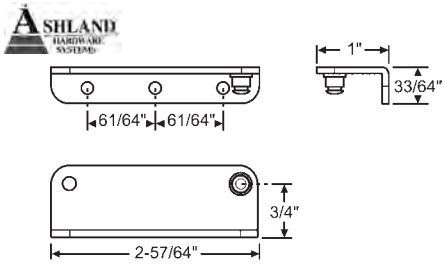
Sash Bracket Assembly. 35mm, Face Mount



Part #	Hand
39-700	Shown
39-701	Opposite

Sash Bracket Assembly. 30mm, Face Mount

CASEMENT AND AWNING OPERATOR BRACKETS



Part #	Hand
39-900LH	Shown
39-900RH	Opposite

Bracket

FENESTRATOR

Sash Window Hardware
(Window Assistance)

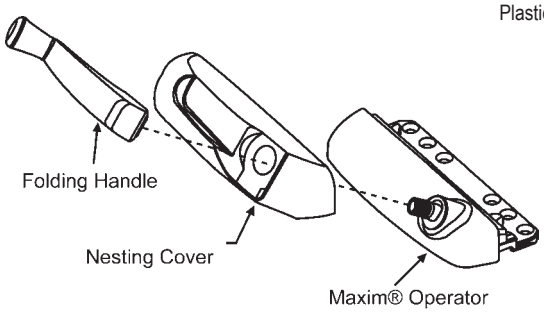
39-234
MIGHTON

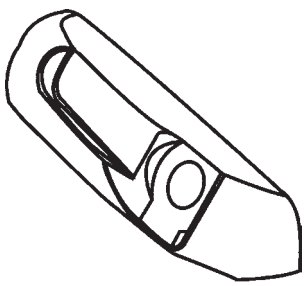
Heavy modern sash windows can sometimes be difficult for the elderly or disabled to operate, excluding them from enjoying the classic design of sash windows. With an aging population the need for a cost effective, innovative, solution has never been greater. Fenestrator is the answer, a manually operated system that allows the heaviest sliding sash window - timber or PVCU - to be opened easily. A key benefit of Fenestrator is that it can be retrofitted without the need for any specialist skills.

OPERATOR COVERS

MAXIM® OPERATOR COVER

Plastic Nesting Cover for Maxim® Operators



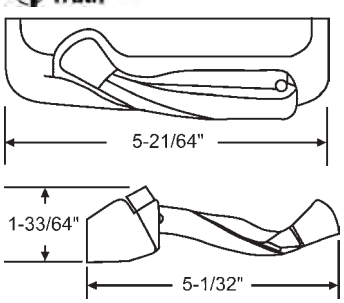


Converts Crank Handle to Folding Handle. Just Snap on Top of Operator.

Part #	Hand	Finish
36-368NCV-1	Shown	Bronze
36-369NCV-1	Opposite	Bronze
36-368NCV-3	Shown	White
36-369NCV-3	Opposite	White

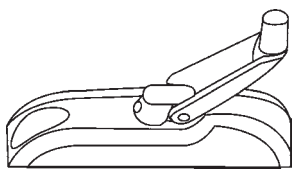
Furnished with Double Sided Tape Pre-Applied to Cover for Attaching Cover to Maxim® Operator

TRUTH'S ENCORE™ TANGO FOLDING HANDLE & COVER



Part #	Hand	Finish
37-215-1	Shown	Bronze
37-216-1	Opposite	Bronze
37-215-3	Shown	White
37-216-3	Opposite	White
37-215-71	Shown	Oil Rubbed Bronze

ENTRYGARD FOLDING HANDLE & COVER

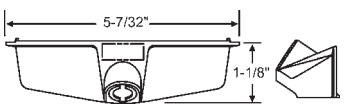


Non-Hand. Fits All Entrygard Products

Converts Crank Handle to a Folding Handle. Just Remove Handle & Cover, and Install over Operator.

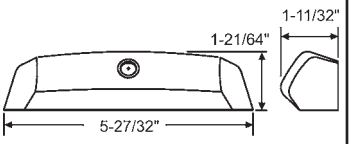
Part #	Finish
37-220-3	White
37-220-1	Bronze

Folding Handle System. Other Finishes Available



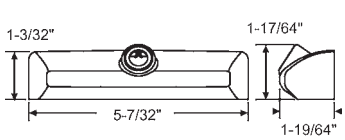
Part #	Finish
36-173CV-1	Bronze
36-173CV-3	White
36-173CV-5	Brass
36-173CV-6	Clay
36-173CV-8	Chestnut Bronze
36-173CV-9	Beige
36-173CV-14	Cocoa Brown
36-173CV-15	Off-White
36-173CV-29	Bright White
36-173CV-87	Gold (New)

Plastic



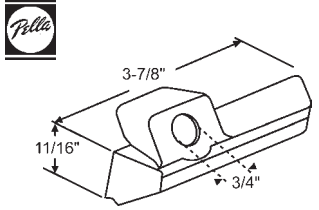
Part #	Finish
36-173MC-1	Bronze
36-173MC-3	White
36-173MC-38	Tuscan Bronze
36-173MC-71	Oil Rubbed Bronze

Metal



Part #	Finish
36-173PCV-1	Bronze
36-173PCV-2	Gold
36-173PCV-3	White

Plastic Contour Cover



Part #	Hand	Finish
36-201LH	Shown	Copperite
36-201RH	Opposite	Copperite
36-201LHW	Shown	White
36-201RHW	Opposite	White
36-201LHCHP	Shown	Champagne
36-201RHCHP	Opposite	Champagne

Square Cover

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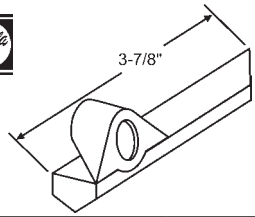
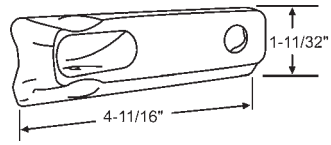
OPERATOR COVERS



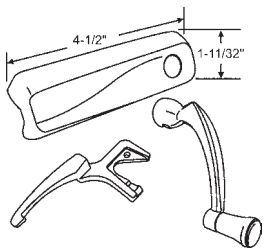
Part #	Hand	Finish
36-202LHW	Shown	White
36-202RHW	Opposite	White
36-202LHCHP	Shown	Champagne
36-202RHCHP	Opposite	Champagne
36-202LHBP	Shown	Bright Brass Plated
36-202RHBP	Opposite	Bright Brass Plated

Round Cover



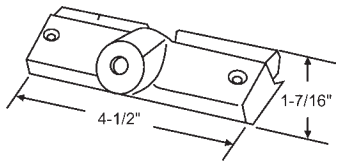
Part #	Hand	Finish
36-219RHCHP	Shown	Champagne
36-219LHCHP	Opposite	Champagne
36-219RHBP	Shown	Bright Brass Plated
36-219LHBP	Opposite	Bright Brass Plated
36-219RHW	Shown	White
36-219LHW	Opposite	White

Integrated Folding Handle Cover

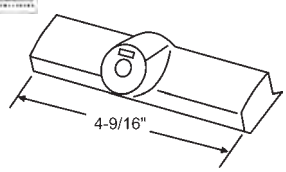


Part #	Hand	Finish
36-505LHCHP	Shown	Champagne
36-505LHW	Shown	White
36-505RHW	Opposite	White

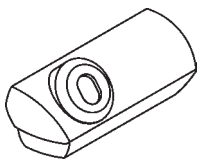
Crank Kit



Part #	Finish
750-0532610	Stone
750-1351330	White



Part #	Finish
750-0532608	Stone

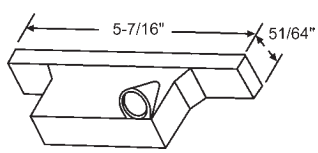


Part #	Finish
750-1361530	Stone
750-1361529	White

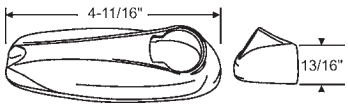
Classic Style

Part #	Finish
750-1361531	Stone
750-1361532	White

Metro Style

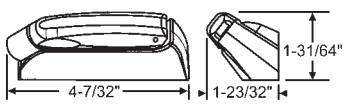


Part #	Hand	Finish
36-333CV-54	Shown	Brown
36-333CV-28	Shown	Almond
36-333CV-1	Shown	Bronze
36-333CV-10	Shown	Black

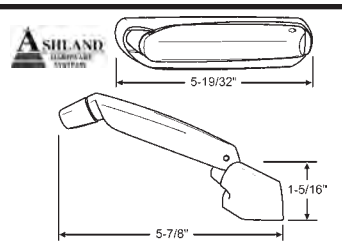


Part #	Hand	Finish
37-225BCH	Shown	Bright Chrome
37-226BCH	Opposite	Bright Chrome
37-225BRS	Shown	Brass Plated
37-226BRS	Opposite	Brass Plated
37-225ORBZ	Shown	Oil Rubbed Bronze
37-226ORBZ	Opposite	Oil Rubbed Bronze

Metal. Other Finishes Available



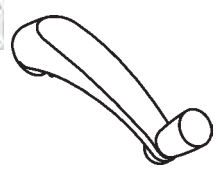
Part #	Hand	Finish
37-254LW	Shown	White
37-254RW	Opposite	White



Part #	Hand	Finish
37-248W	Opposite	White
37-249W	Shown	White
37-248BZ	Opposite	Bronze
37-249BZ	Shown	Bronze

Handle and Cover

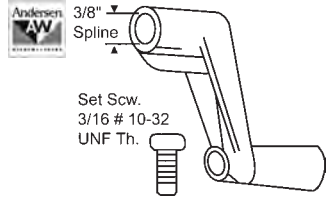
CRANK HANDLES



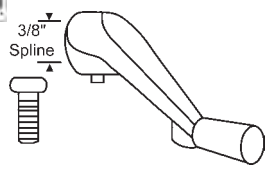
Part #	Finish
750-1361358	Stone
750-1361356	White

Classic Crank Handle with 3/8" Spline. Used with Classic Operator Cover 750-1361530

Part #	Finish
750-1361360	Stone
750-1361362	White

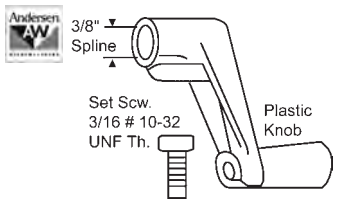


Part #	Finish
750-0532308	Bronze

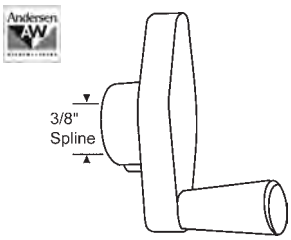


Part #	Finish
750-0532408	Stone
750-1351332	White

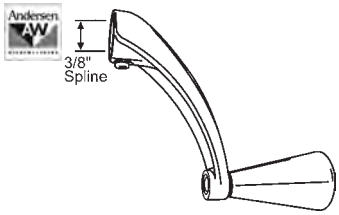
CRANK HANDLES



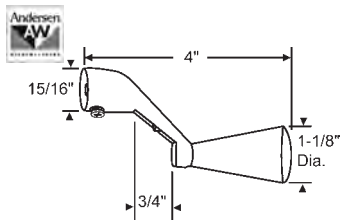
Part #	Finish
750-1361008	Silver



Part #	Finish
750-1361804	Stone

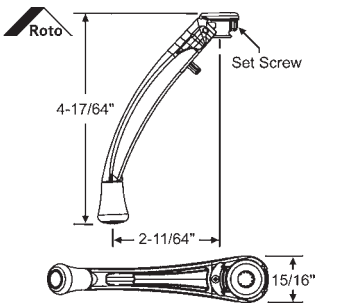


Part #	Finish
750-1361378	Stone
750-1361377	White



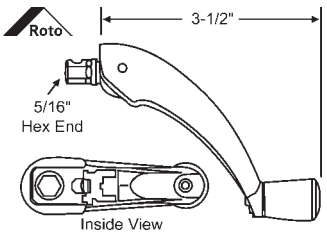
Part #	Finish
750-1361806	Stone
750-1351335	White

Easy Grip Handle



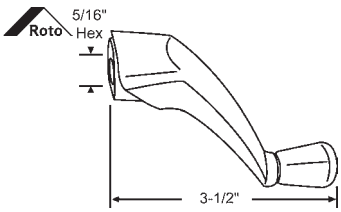
Part #	Finish
37-224W	White
37-224BCH	Bright Chrome
37-224BRS	Brass Plated
37-224ORBZ	Oil Rubbed Bronze
37-224BEW	Blue White

Folding Handle For X-Drive Operators.
Other Finishes Available.



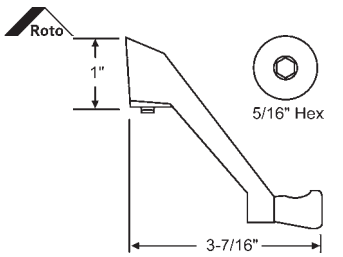
Part #	Finish
37-221BEW	Blue White
37-221W	White
37-221AD	Almond
37-221DBR	Dark Bronze
37-221EB	Earth Brown
37-221LAD	G2 Almond
37-221ORBZ	Oil Rubbed Bronze
37-221SV	Silver
37-221EW	G2 White

Folding Handle For Roto Pro Drive Operators



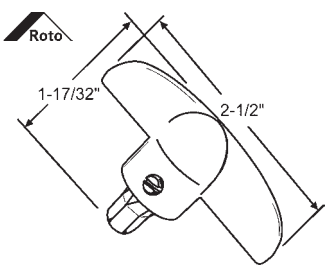
Part #	Finish
37-213BEW	Blue White
37-213AD	Almond
37-213CY	Clay
37-213EW	Euro White
37-213W	White

Folding Handle



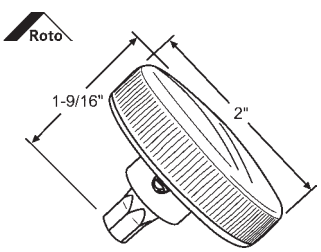
Part #	Finish
37-157W	White
37-157BEW	Blue White
37-157	Almond

With Set Screw



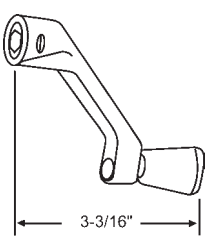
Part #	Finish
37-227W	White

Fits Old Style OP05 Pro Drive Operators



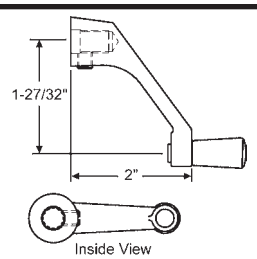
Part #	Finish
37-241W	White

Fits Old Style OP05 Pro Drive Operators



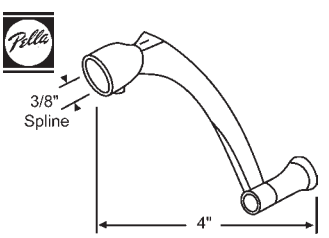
Part #	Finish
37-159WH	White
37-159	Aluminum

Fits Roto Operators 36-333SP, 36-334SP
5/16" Hex

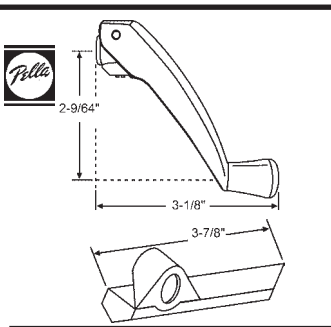


Part #	Finish
900-8890H	White Bronze w/ Stainless Steel Knob
900-8890HDBZ	Dark Bronze
900-8890HRBZ	Red Bronze
900-8890HWBZ	White Bronze

Fits Roto #900-8890 Operators



Part #	Finish
900-8869	Copperite
900-8869CH	Champagne
900-8869WH	White
900-8869BR	Brass Plated

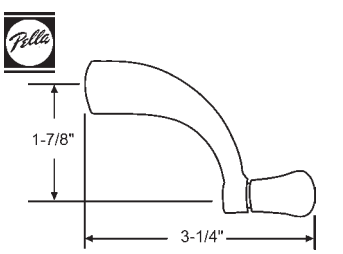


Part #	Finish
900-8869BR-F	Brass
900-8869CH-F	Champagne

Folding Handle and Cover Kit

Part #	Finish
37-207W	White
37-207CHP	Champagne
37-207BP	Brass Plated

Integrated Crank Handle



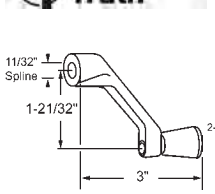
Part #	Finish
37-201-45	Blue White

AZA SALES
TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

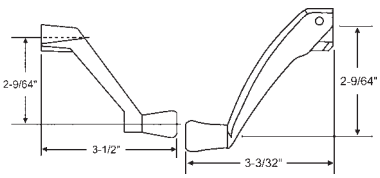
CRANK HANDLES

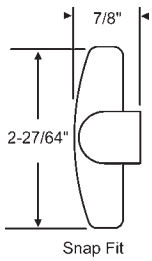
TRUTH OPERATOR HANDLES (ONLY FIT TRUTH 11/32" SPLINE)

Amesbury Truth

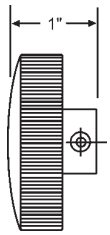


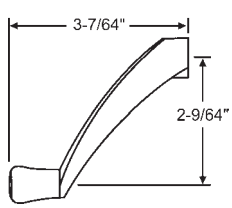
37-109 Old Style
Replace with 37-137

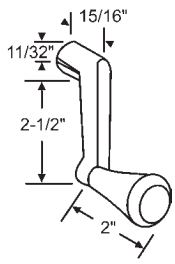




Snap Fit

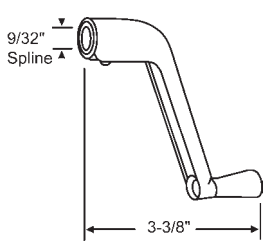






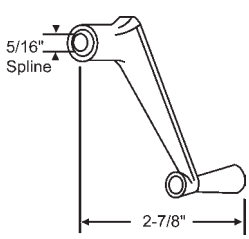
Finish	Long	Folding	"T"	Round	Contour Handle	ADA
Bronze	37-137-1	37-109FH-1	37-125-1	37-138-1	37-150-1	37-149-1
Gold			-	37-138-2		-
White	37-137-3	37-109FH-3	37-125-3	37-138-3	37-150-3	37-149-3
Brass	37-137-5	37-109FH-5	-	-	37-150-5	37-149-5
Clay	37-137-6	37-109FH-6	-	37-138-6	37-150-6	-
Aluminum	37-137-7	37-109FH-7	37-140-7	37-138-7	37-150-7	-
Chestnut Bronze	37-137-8	37-109FH-8	37-140-8	37-138-8	37-150-8	37-149-8
Beige	37-137-9	37-109FH-9	-	37-138-9	37-150-9	37-149-9
Medium Bronze	37-137-12	-	-	-	-	-
Brush Copper Nickel	37-137-13	37-109FH-13	37-140-13	-	37-150-13	37-149-13
Off-White	37-137-15	37-109FH-15		-	-	37-149-15
Black	37-137-10	37-109FH-10	37-140-10	-	37-150-10	-
Coppertone	-	37-109FH-75	-	37-138-75	37-150-75	-
Cocoa Brown	37-137-14	-	37-140-14	-	37-150-14	-
Bright White	37-137-29	37-109FH-29	37-140-29	-	37-150-29	-
Tuscan Bronze	37-137-38	37-109FH-38	-	-	37-150-38	-
Oil Rubbed Bronze	37-137-71	37-109FH-71	37-140-71	-	37-150-71	-
Gold (New)	37-137-87	37-109FH-87	-	-	37-150-87	-

Other finishes available. Check with your account manager.



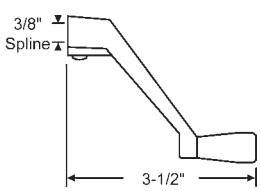
Part #	Finish
900-9690	Driftwood
900-9690W	White
900-9690B	Polished Brass

PEACHTREE

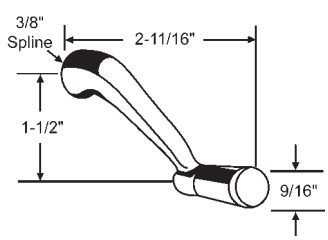


Part #	Finish
37-102	Aluminum
37-103	Light Bronze

DORCHESTER

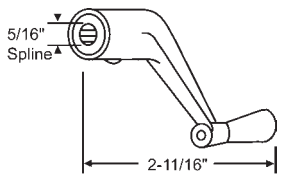


Part #	Finish
37-212	Aluminum
37-212BZ	Bronze
37-212W	White

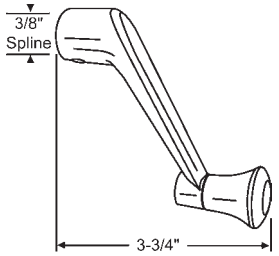


Part #	Finish
37-100	Aluminum
37-101	Brown
37-100W	White
37-101B	Bronze

CRANK HANDLES

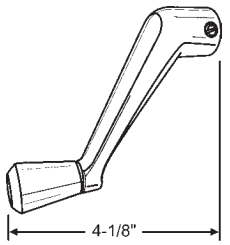


Part #	Finish
37-112	Aluminum
37-111	Brown
37-112DBZ	Dark Bronze
37-112W	White



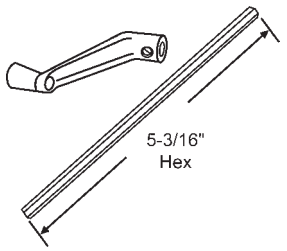
Part #	Finish
37-210	Mill
37-210W	White

YALE



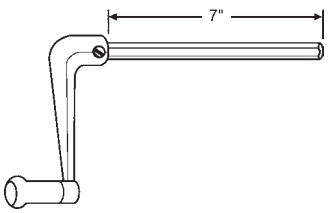
Part #	Finish
900-10708	Silver

7/16" Crank Handle



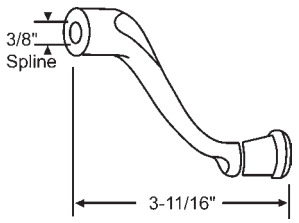
Part #	Finish
37-147	Mill

5/16" Hex Handle and Shaft



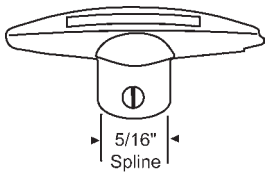
Part #	Finish
900-10738	Mill

5/16" Hex Handle and Shaft

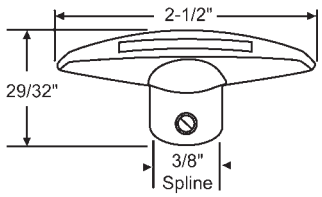


Part #	Finish
37-104	Aluminum
37-104W	White
37-105	Brown

For Awning Operators

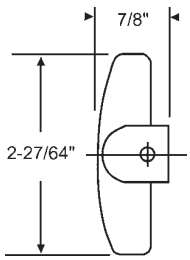


Part #	Finish
37-120	Mill
37-120B	Bronze



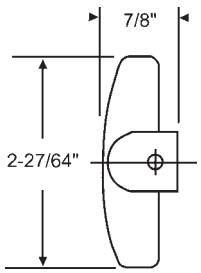
Part #	Finish
37-119	Aluminum
37-119B	Bronze
37-119W	White

Fits Old Style Steel Casement Operators



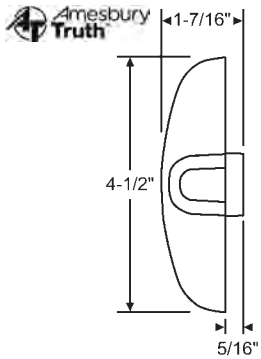
Part #	Finish
37-125-1	Bronze
37-125-3	White
37-125-4	Coppertone
37-125-8	Chestnut Bronze
37-125-9	Beige

Fits All Truth Operators with 11/32" Spline



"T" Handle

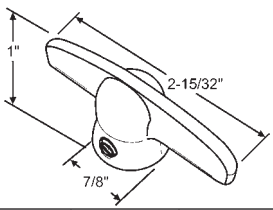
Part #	Fits Mfg.	Spline Style	Finish
37-126	Andersen	3/8"	Stone
37-123	Peachtree	9/32"	Driftwood
37-123W		9/32"	White
37-113	Old Style Steel Casement	3/8"	Aluminum
37-113W		3/8"	White
37-113B		3/8"	Brown
37-106	Old Style Steel Casement	5/16"	Aluminum
37-106BR		5/16"	Brown
900-161	Jalousie	5/16"	Aluminum
37-127		7/16"	Bronze



37-236

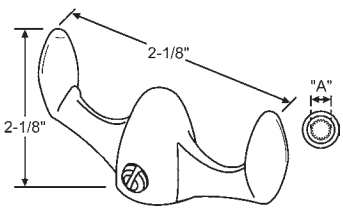
Black Plastic Construction Tee Handle

PGT



Part #	Spline Style	Finish
37-124	3/8 - 11	Copperite
37-124W	3/8 - 11	White
37-124CH	3/8 - 11	Champagne

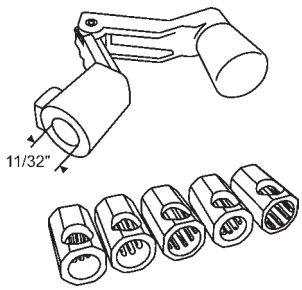
Fits Pella



Part #	A
900-7837	5/8"
900-7837-3/8	3/8"

Aluminum Finish

PARLYN



Part #	Finish
37-165U-2	Gold
37-165U-24	Brown
37-165U-3	White
37-165U-7	Aluminum
37-165U-75	Coppertone
37-165U-9	Beige
37-165U-MTBZ	Metallic Bronze

Fit-All Folding Handle Kit. Includes 5 adapters: 11/32", 5/16", 3/8", 9/32", 3/8" special. Will fit Truth, Andersen, Pella, Peachtree and various old style casement and jalousie operators

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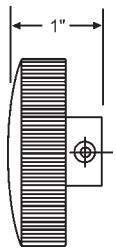
WWW.AZAHARDWARE.COM

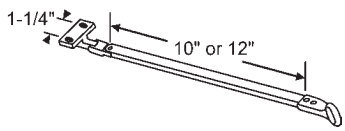
CRANK HANDLES



Round Hand Knob

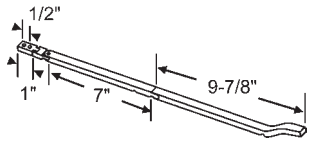
Part #	Fits Mfg.	Spline Style	Finish
37-133	Pella	3/8-11	Copperite
37-133W		3/8-11	White
37-133-35		3/8-11	Champagne
37-129	Andersen	3/8	Stone (Dark Gray)
37-129W		3/8	White
37-128	Peachtree	5/16	Light Brown

PUSH BARS

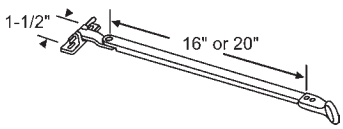


Part #	Length
29-105-10A	10"
29-105-12A	12"

Aluminum

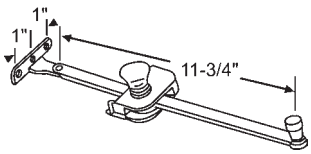


29-107
Aluminum



Part #	Length
29-109-20	20"

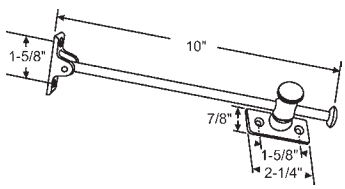
Aluminum Bar with Nickel Bronze Ends



Part #	Hand
36-120	Shown
36-121	Opposite

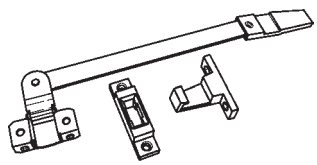
Solid Brass Housing & Push Bar with Bracket. 29-110 Available Upon Request

FENESTRA



Part #	Length
900-339	Bright Nickel
900-339BRS	Bright Brass

Casement Adjuster



29-270
Red R/V Push Bar Assembly

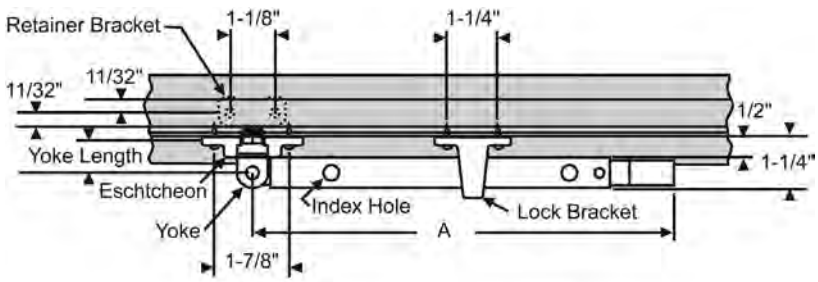
KINRO

TELESCOPING PUSH BARS

Amesbury Truth

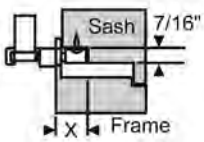
Anderberg 44AL Series

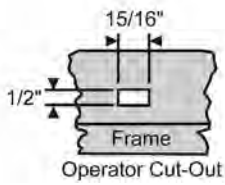
For Aluminum Windows



These Items Can Be Purchased Separately

39-158-7
Nylon Escutcheon





				A Dimension		
Truth Part #	**Our Part #**	**X Dimension**	**Yoke Length**	**Closed**	**Extended**	**Finish**
12.40.00.100	**29-131-7**	15/16"	25/32"	10-1/2"	16-1/4"	Aluminum
12.41.00.100	**29-132-7**	1"	27/32"	10-1/2"	16-1/4"	Aluminum
12.46.03.100	**29-137-1**	1-9/16"	1-13/32"	8"	11"	Bronze

TELESCOPING PUSH BARS

Amesbury Truth

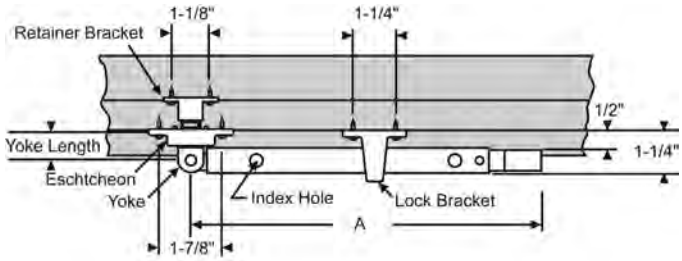
Anderberg 44WD Series

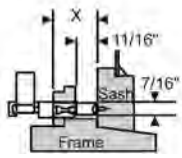
For Wood Windows

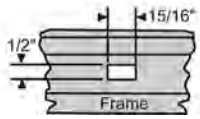
This Item Can Be Purchased Separately

39-158-7

Nylon Escutcheon



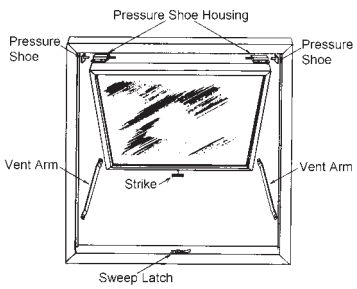


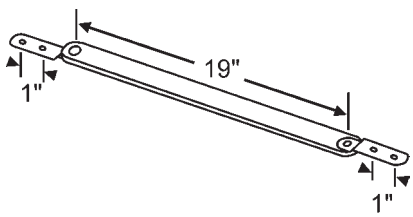


Truth Part #	Our Part #	X Dimension	Yoke Length	"A" Closed	"A" Extended	Finish
12.50.00.100	**29-145-7**	1"	27/32"	8"	11"	Aluminum
12.52.00.100	**29-150-7**	1-7/16"	1-9/32"	8"	11"	Aluminum

VENT ARMS WITH BRACKETS

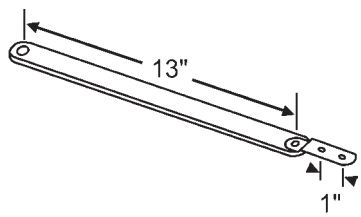
Our machine shop facilities can duplicate a variety of sizes and shapes of vent arms.
The drawings below are just a representation of the various vent arms that are available. Please send us your sample so we can provide an exact replacement.





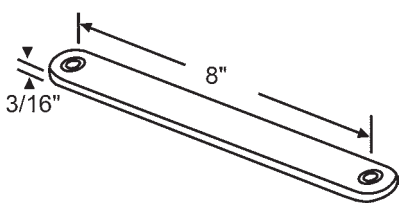
28-50

2 Brackets. Aluminum



28-51

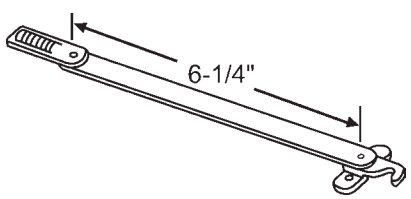
1 Bracket. Aluminum



28-52

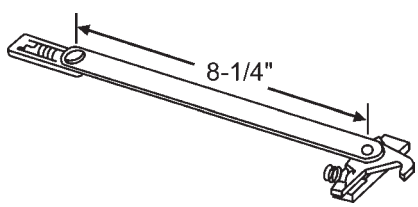
Aluminum

Bushing Only: **8-361**



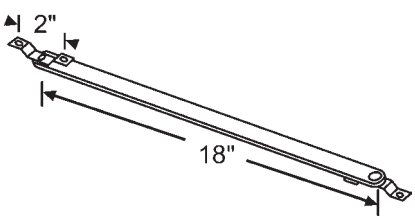
28-53

Aluminum with Nylon End Piece and Hook. Set Includes Right Hand and Left Hand



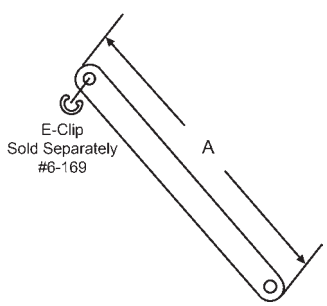
28-61

Aluminum with Nylon End Piece and Hook. Set Includes Right Hand and Left Hand



28-55

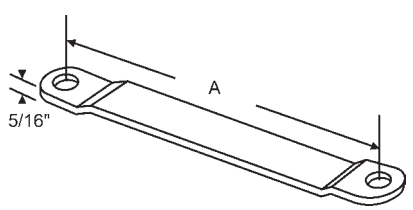
Aluminum



Part #	Description	A
28-79A	for 24" Wide Vent	6-1/2"
28-79B	for 18" Wide Vent	3-1/2"
28-79C	for 30" to 36" Wide Vent	9-7/16"

Drag Arm

PEACHTREE



Part #	"A"
900-10601	7-3/4"
900-10602	18-1/4"

Aluminum

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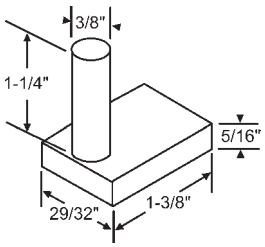
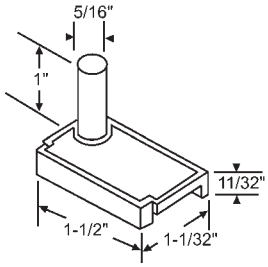
PRESSURE SHOES, FRICTION SHOES & HOUSINGS

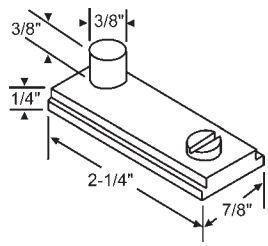


26-118

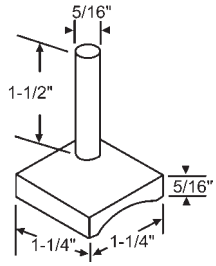


Part #	Hand
26-121	Shown
26-120	Opposite

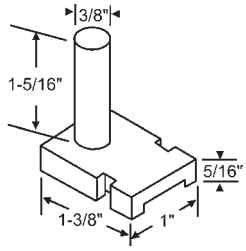
Nylon Shoes



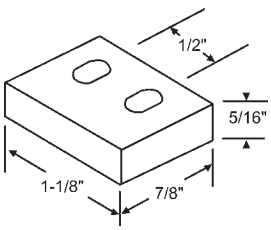
Part #	Hand
26-59	Shown
26-58	Opposite



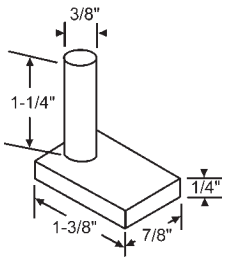
Part #	Hand
26-66	Shown
26-65	Opposite



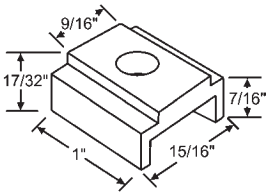
26-68
Notched



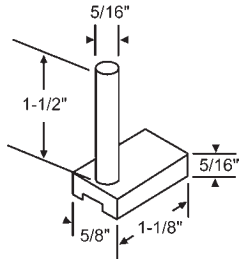
26-76
Housing Only



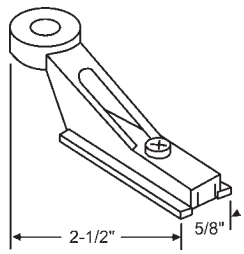
Part #	Hand
26-111	Shown
26-110	Opposite



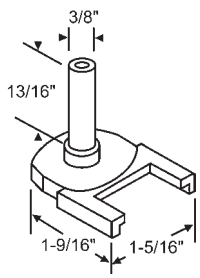
26-100



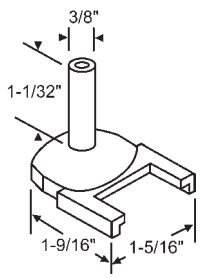
26-101



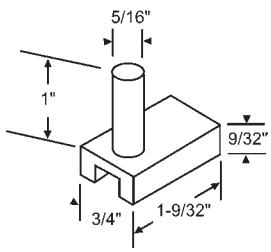
26-102



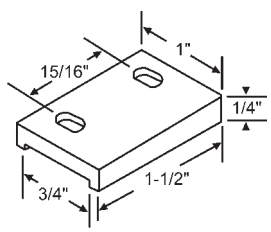
26-103
Used with Bushing 8-361



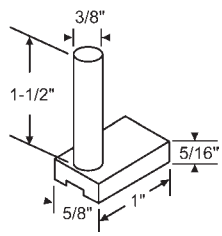
26-104



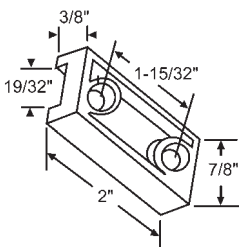
26-105



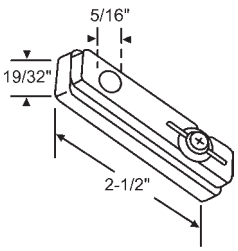
26-116



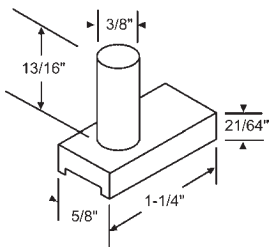
26-117



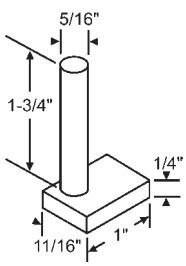
26-123



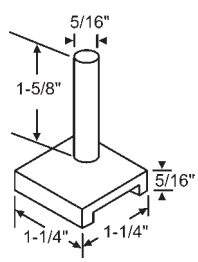
26-122



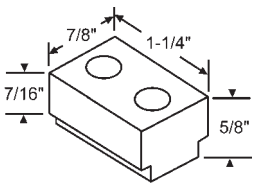
26-55
Metal Pin



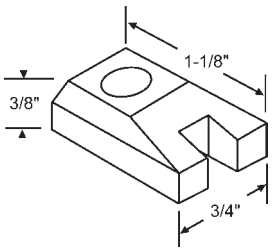
Part #	Hand
26-57	Shown
26-56	Opposite



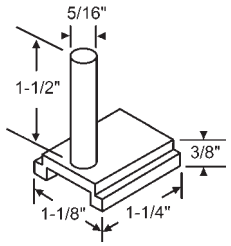
Part #	Hand
26-63	Shown
26-62	Opposite



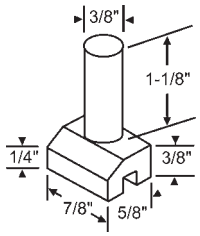
26-67
Aluminum



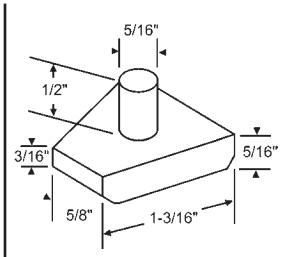
26-74



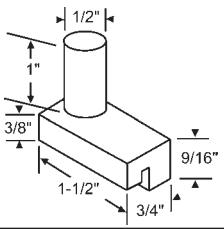
26-69



Part #	Base Type
26-72	Nylon



26-81

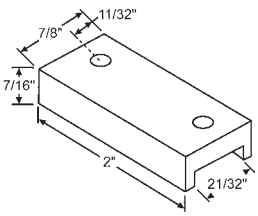


Part #	Hand
26-84	Shown
26-83	Opposite

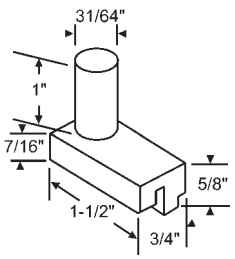
Nylon Shoe with Aluminum Pin

Part #	Hand
26-84P	Shown

Nylon Shoe with Nylon Pin

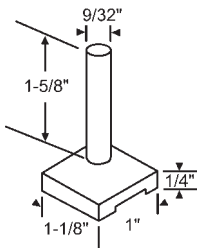


26-85
Fits both RH and LH
White Nylon

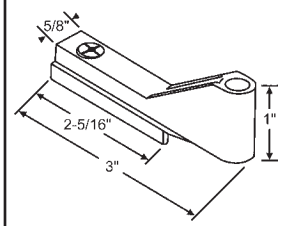


Part #	Hand
26-88	Shown
26-87	Opposite

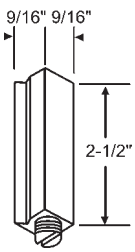
Nylon Shoe with Aluminum Pin



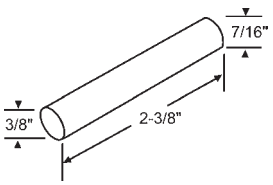
Part #	Hand
26-99	Shown
26-98	Opposite



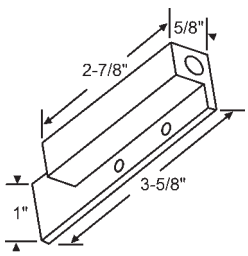
900-20957
Nylon with Metal Bracket



26-113
Housing with Screw.
Aluminum

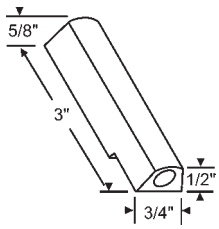


26-115
Pressure Shoe Pin

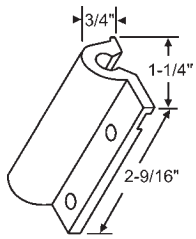


Part #	Hand
26-61	Shown
26-60	Opposite

Aluminum

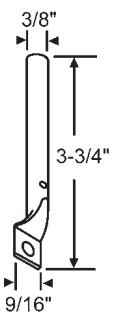


26-75
Three 10-24 Tapped Mounting Holes on Underside; Set Screw Only: 26-75S

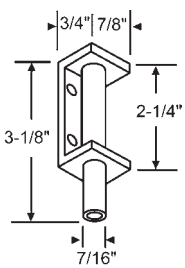


Part #	Hand
26-80	Shown
26-79	Opposite

Aluminum

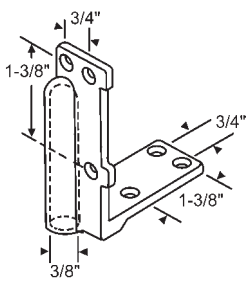


26-82
Brass

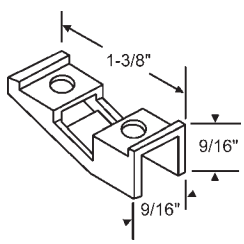


26-89
Aluminum

900-12627
Pressure Shoe Spring
.50 Gauge Steel.



Part #	Hand
26-129	Shown
26-128	Opposite



26-124
Project Out Guide

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PH: 631-979-9261 FAX: 631-979-8245
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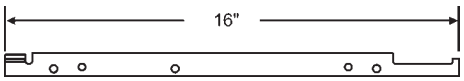
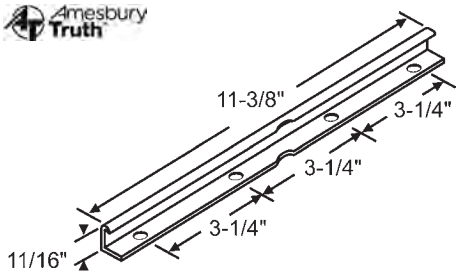
CASEMENT AND AWNING TRACKS



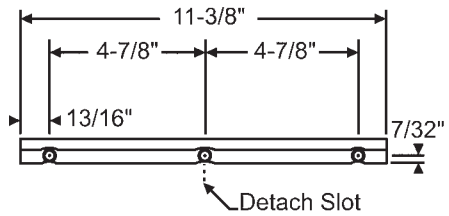
Part #	Hand
750-1361412	Shown
750-1361413	Opposite

Steel



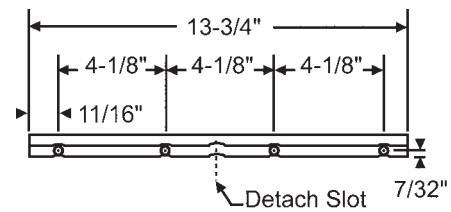
Part #	Material
38-53	Steel
38-53CG	Coast-Gard

For Casement Windows



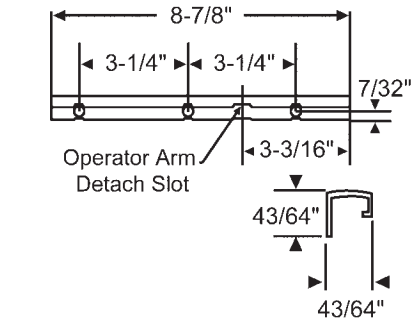
Part #	Material
38-55	Steel
38-55SS	Stainless Steel

For Casement Windows



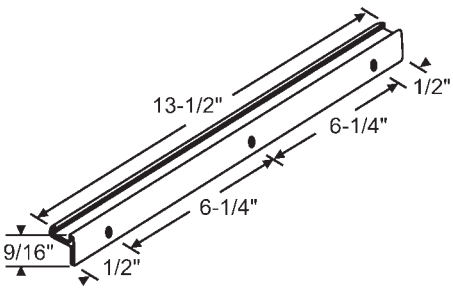
Part #	Material
38-59	Steel

For Casement Windows



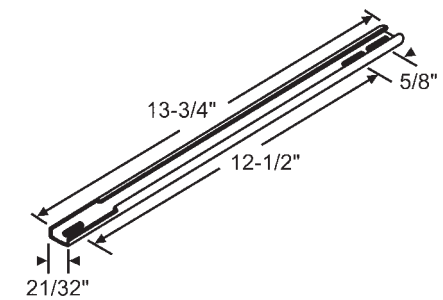
Part #	Material
38-65	Steel

For Casement Windows



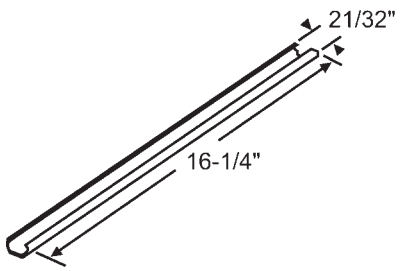
Part #	Material
38-54	Aluminum

For Casement Windows
DORCHESTER



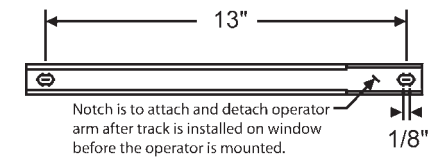
Part #	Material
38-51ST	Steel

For Casement Windows
DORCHESTER



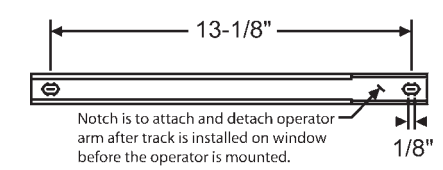
Part #	Material
38-52	Steel

Rust Resistant Coating
For Awning Windows



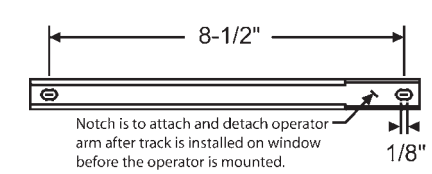
Part #	Material
38-58	Stainless Steel

For Awning Windows



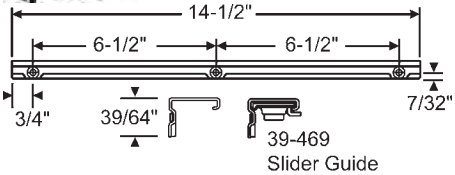
Part #	Material
38-60	Stainless Steel

For Casement Windows



Part #	Material
38-62	Stainless Steel

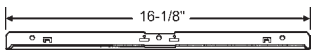
For Casement Windows



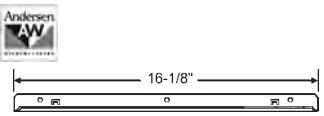
Part #	Material
38-67	Aluminum
38-67SS	Stainless Steel

Maxim® Casement Track with Slider Guide

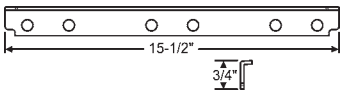
CASEMENT AND AWNING TRACKS



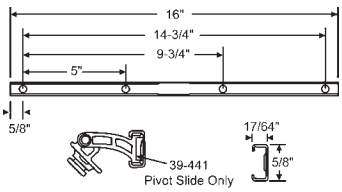
Part #	Material
750-0565808	Aluminum



Part #	Material
750-1361204	Aluminum

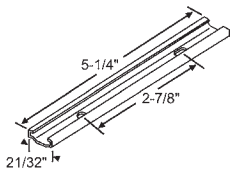


Part #	Material
750-9052563	Stainless Steel



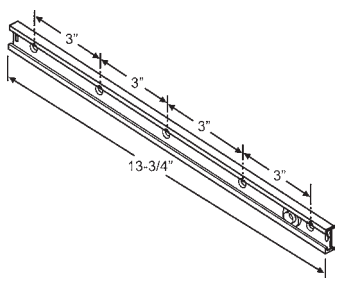
Part #	Material
38-68	Aluminum
38-68SS	Stainless Steel

For Awning Windows with Pivot Slides (2)



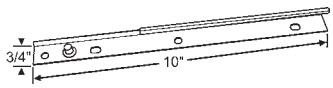
Part #	Material
38-1	Steel

For Casement Windows



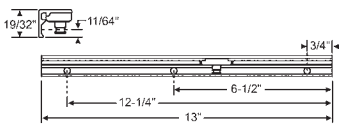
Part #	Material
38-172	Aluminum

Surface Mount Track & Roller



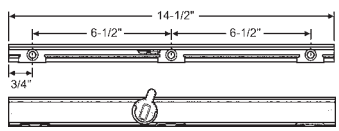
Part #	Material
900-21353T	Steel

For Casement Windows. Pair



Part #	Material
38-21	Aluminum

Face Mount Track Assembly. Use with Slider Guide 39-753 on page 267.

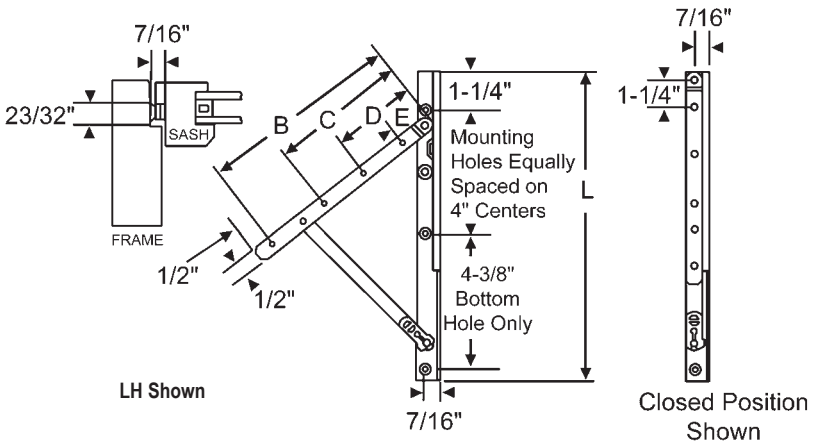


Part #	Material
38-78	Stainless Steel

AWNING HINGES

TRUTH 13 CONCEALED AWNING HINGE

Truth Part #	Finish	Our Part #	Sash Height	Maximum Sash Weight	Hinge Length "L"	"B"	"C"	"D"	"E"
13.13	E-Gard	**28-10-14LH & RH**	10"-14"	7 LBS.	10"	6-1/4"	4-1/4"	2-5/8"	1-1/4"
13.43	Stainless Steel	**28-10-14LHSS & RHSS**	10"-14"	7 LBS.	10"	6-1/4"	4-1/4"	2-5/8"	1-1/4"
13.14	E-Gard	**28-14-14LH & RH**	14"-19"	20 LBS.	14"	6-1/4"	4-1/4"	2-5/8"	1-1/4"
13.44	Stainless Steel	**28-14-14LHSS & RHSS**	14"-19"	20 LBS.	14"	6-1/4"	4-1/4"	2-5/8"	1-1/4"
13.15	E-Gard	**28-18-14LH & RH**	19"-26"	38 LBS.	18"	8-1/4"	6-1/4"	2-5/8"	1-1/4"
13.42	Stainless Steel	**28-18-14LHSS & RHSS**	19"-26"	38 LBS.	18"	8-1/4"	6-1/4"	2-5/8"	1-1/4"
13.16	E-Gard	**28-22-14LH&RH**	26"-34"	50 LBS.	22"	10-1/4"	6-1/4"	2-5/8"	1-1/4"
13.45	Stainless Steel	**28-22-14LHSS & RHSS**	26"-34"	50 LBS.	22"	10-1/4"	6-1/4"	2-5/8"	1-1/4"
13.17	E-Gard	**28-26-14LH&RH**	34"-42"	61 LBS.	26"	12-1/4"	8-1/4"	5-7/16"	2-5/8"



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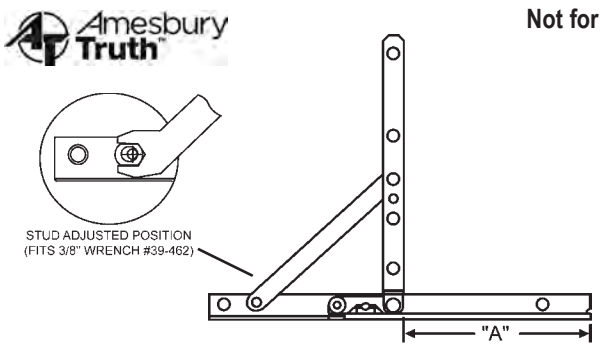
CASEMENT HINGES

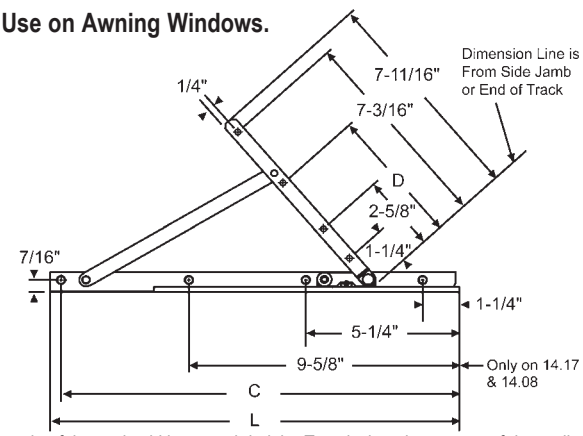
TRUTH 14 CONCEALED CASEMENT HINGE

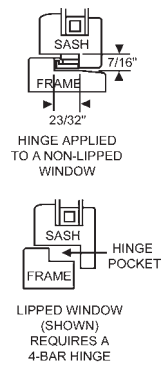
Truth Part #	Finish	Our Part #	"A"	"C"	"D"	"L"	Arm & Rivet	Attachment
14.05	E-Gard	**28-15-37 (LL-UR) / 28-15-38 (UL-LR)**	4-29/32	9-5/8"	4-15/16"	10"	Steel	Adjustable Brass Snap-Stud
14.06	E-Gard	**28-15-43 (LL-UR) / 28-15-44 (UL-LR)**	5-17/32"	9-5/8"	4-15/16"	10"	Steel	Adjustable Brass Snap-Stud
14.08	E-Gard	**28-15-49 (LL-UR) / 28-15-50 (UL-LR)**	6-15/16"	13-5/8"	4-51/64"	14"	Steel	Adjustable Brass Snap-Stud
14.75	E-Gard	**28-15-5 (LL-UR) / 28-15-6 (UL-LR)**	4-29/32"	9-5/8"	4-15/16"	10"	Steel	Standard Brass Snap-Stud
14.80	Stainless Steel	**28-15-5SS (LL-UR) / 28-15-6SS (UL-LR)**	4-29/32"	9-5/8"	4-15/16"	10"	Stainless Steel	Stainless Steel Snap-Stud
14.76	E-Gard	**28-15-7 (LL-UR) / 28-15-8 (UL-LR)**	5-17/32"	9-5/8"	4-15/16"	10"	Steel	Standard Brass Snap-Stud
14.91	Stainless Steel	**28-15-7SS (LL-UR) / 28-15-8SS (UL-LR)**	5-17/32"	9-5/8"	4-15/16"	10"	Stainless Steel	Stainless Steel Snap-Stud
14.77	E-Gard	**28-15-9 (LL-UR) / 28-15-10 (UL-LR)**	2-9/32"	9-5/8"	4-15/16"	10"	Steel	Standard Brass Snap-Stud
14.93	Stainless Steel	**28-15-9SS (LL-UR) / 28-15-10SS (UL-LR)**	2-9/32"	9-5/8"	4-15/16"	10"	Stainless Steel	Stainless Steel Snap-Stud
14.17	E-Gard	**28-15-1 (LL-UR) / 28-15-2 (UL-LR)**	6-15/16"	13-5/8"	4-25/32"	14"	Steel	Standard Brass Snap-Stud

Not for Use on Awning Windows.



LL-UR Hinge Shown (Viewed from Outside)



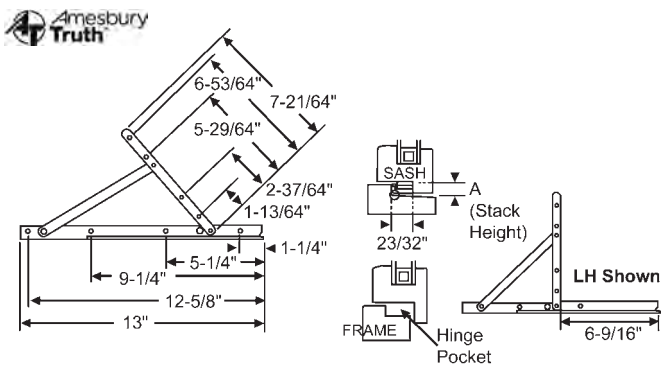


Instructions for Sash Adjustment

1. The amount of sash sag that the HP hinge will correct for is dependent on the ratio of the sash width vs. sash height. To calculate the amount of drag adjustment for any given sash size, take the ratio of width to height multiplied by 1/16". Example: Sash size equals 24" x 36", width to height ratio is .667. Total adjustment is .667 x 1/16" = .042 (approx. 3/64").
2. To adjust a casement sash, first fully open the casement window. Next, loosen the two screws in the bottom hinge adjustment block approximately three turns (do not remove screws). Next, move heel of the sash towards the lock side of the window and re-tighten screws. For severe sash drag, repeat this procedure to the top hinge, except the adjustment is made by shifting the top of the window away from the lock side.

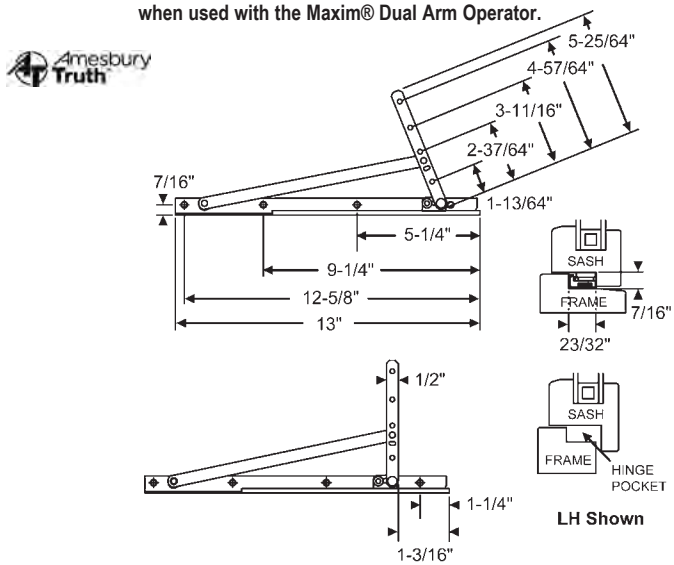
CONCEALED MAXIM® HINGES

14.97 Washability Hinge has the ability to support a 40" x 84" sash weighing up to 96 lbs., when used with the Maxim® Dual Arm Operator.



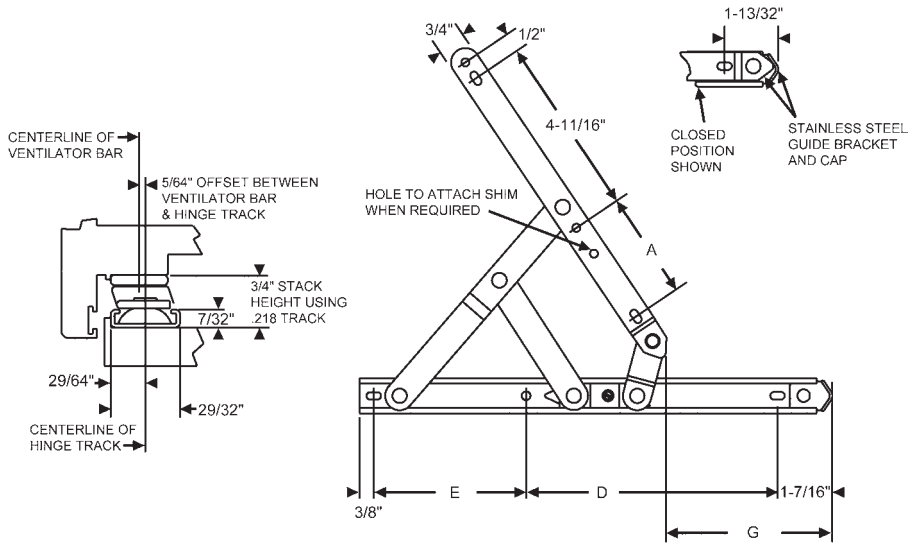
Truth Part #	Part #	Hand	Finish	A
14.97	**28-15-39**	Shown	E-Gard	7/16"
14.97	**28-15-40**	Opposite	E-Gard	7/16"
14.97	**28-15-39SS**	Shown	Stainless Steel	7/16"
14.97	**28-15-40SS**	Opposite	Stainless Steel	7/16"
14.92	**28-15-57**	Shown	E-Gard	1/2"
14.92	**28-15-58**	Opposite	E-Gard	1/2"
14.92	**28-15-57SS**	Shown	Stainless Steel	1/2"
14.92	**28-15-58SS**	Opposite	Stainless Steel	1/2"

14.12 Egress Hinge has the ability to support a sash weighing up to 69 lbs., when used with the Maxim® Dual Arm Operator.



Truth Part #	Part #	Hand	
14.12	**28-15-41**	Shown	E-Gard
14.12	**28-15-42**	Opposite	E-Gard
14.12	**28-15-41SS**	Shown	Stainless Steel
14.12	**28-15-42SS**	Opposite	Stainless Steel

Amesbury Truth™



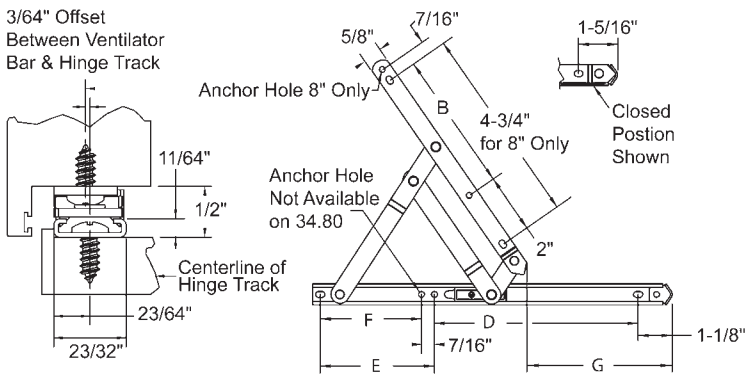
Our Part #	Hinge Length	A	D	E	G
28-10-6	10"	1-13/16"	6-11/32"	2-1/4"	4"
28-12-6	12"	2-13/16"	6-19/32"	4"	4"
28-14-6	14"	3-13/16"	6-15/16"	5-21/32"	4-3/8"
28-16-6	16"	4-13/16"	7-21/32"	6-15/16"	5-1/4"
28-18-6	18"	5-13/16"	8-9/32"	8-5/16"	5-3/4"

Truth Part #	Size	Description	Vent Height Range	Max. Vent Weight	Degree of Opening	Our Part Number	Features
34.47.00.105	10"	Aluminum 4 Bar Hinge w/Stop	12" - 20"	58	63°	**28-10-6-06**	.350 Track with .187 Shim
34.47.00.107	10"	Aluminum 4 Bar Hinge w/Stop	12" - 20"	58	63°	**28-10-6-09**	.385 Track with No Shim
34.48.00.107	12"	Aluminum 4 Bar Hinge w/Stop	20" - 23"	67	54°	**28-12-6-10**	.218 Track with No Shim
34.48.00.103	12"	Aluminum 4 Bar Hinge w/Stop	20" - 23"	67	54°	**28-12-6-37**	.350 Track with .187 Shim
34.49.00.102	14"	Aluminum 4 Bar Hinge w/Stop	23" - 27"	79	50°	**28-14-6-24**	.350 Track with No Shim
34.49.00.105	14"	Aluminum 4 Bar Hinge w/Stop	23" - 27"	79	50°	**28-14-6-36**	.350 Track with .125 Shim
34.49.00.104	14"	Aluminum 4 Bar Hinge w/Stop	23" - 27"	79	50°	**28-14-6-25**	.385 Track with No Shim
34.50.00.104	16"	Aluminum 4 Bar Hinge w/Stop	27" - 30"	88	50°	**28-16-6-22**	.350 Track with No Shim
34.50.00.101	16"	Aluminum 4 Bar Hinge w/Stop	27" - 30"	88	50°	**28-16-6-25**	.385 Track with No Shim
34.51.00.100	18"	Aluminum 4 Bar Hinge w/Stop	30" - 35"	102	50°	**28-18-6-18**	.218 Track with No Shim
34.51.00.101	18"	Aluminum 4 Bar Hinge w/Stop	30" - 35"	102	50°	**28-18-6-19**	.218 Track with .187 Shim
34.51.00.103	18"	Aluminum 4 Bar Hinge w/Stop	30" - 35"	102	50°	**28-18-6-22**	.350 Track with No Shim

CASEMENT AND AWNING HINGES

ANDERBERG 201 SERIES HINGE

Amesbury Truth



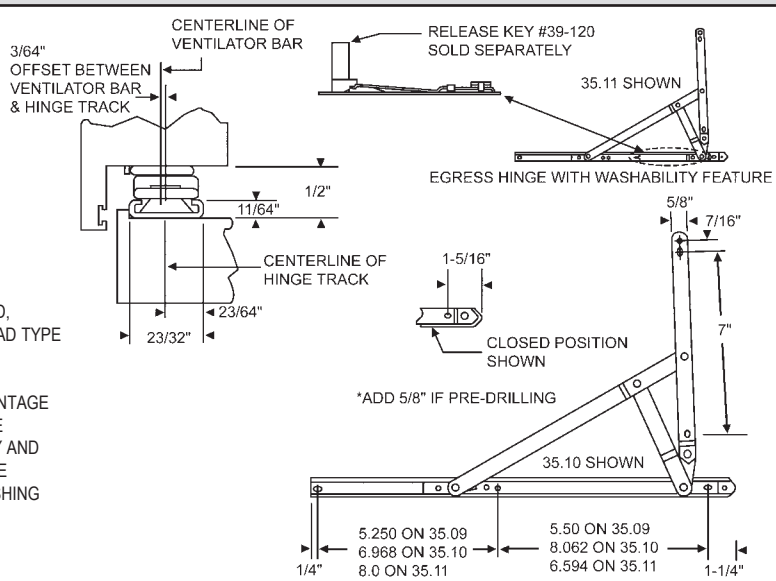
SS - Stainless Steel
ST - Steel

					Ventilator Bar	Track	STD Stop	No Stop Track	"G"		Degree of Opening
Material	Length	Truth Part #	Our Part #	Stop/No Stop	"B"	"D"	"E"	"F"	STD Stop	No Stop	Stop
SS	8"	34.10.00.101	**28-8-2-03**	Stop	N/A	5-5/32"	1-5/8"	1-1/4"	3"	4-1/4"	54°
ST	8"	34.17.00.104	**28-8-1-03**	Stop	N/A	5-5/32"	1-5/8"	1-1/4"	3"	4-1/4"	54°
SS	10"	34.11.00.102	**28-10-2-07**	Stop	3-3/4"	6-1/32"	2-3/4"	2"	4"	5-13/32"	55°
SS	12"	34.12.00.100	**28-12-2-07**	Stop	4-3/4"	6-29/32"	3-7/8"	3"	4-7/8"	6-1/2"	55°
SS	14"	34.13.00.102	**28-14-2-07**	Stop	5-3/4"	7-25/32"	5"	3-3/4"	5-3/4"	7-23/32"	55°
SS	16"	34.14.00.100	**28-16-2-07**	Stop	6-3/4"	8-21/32"	6-1/8"	4-1/2"	6-1/8"	8-7/8"	55°
ST	16"	34.21.00.102	**28-16-1-07**	Stop	6-3/4"	8-21/32"	6-1/8"	4-1/2"	6-1/8"	8-7/8"	55°
SS	18"	34.15.00.102	**28-18-2-07**	Stop	7-3/4"	9-17/32"	7-1/4"	5-1/4"	7-7/16"	10"	55°
SS	20"	34.16.00.100	**28-20-2-07**	Stop	8-3/8"	10-13/32"	8-3/8"	6-1/4"	8-9/32"	11-5/32"	55°

Note: Ask Account Manager About Variations if Chart Does not Meet Requirements

STANDARD DUTY STAINLESS STEEL 4-BAR EGRESS HINGES - ANDERBERG 222SS AND 224SS SERIES

Amesbury Truth



RECOMMENDED SCREWS:

6- NO .10 SLOTTED OR NO. 6 PHILLIPS, PAN HEAD, STAINLESS STEEL SCREWS (LENGTH AND THREAD TYPE TO BE DETERMINED BY PROFILE DESIGN).

NOTE: THE 35.11 HINGE OFFERS YOU THE ADVANTAGE OF ALLOWING THE OUTSIDE OF THE VENT TO BE WASHED FROM THE INSIDE BY INSERTING A KEY AND SLIDING THE CASEMENT WINDOW TOWARDS THE CENTER OF THE FRAME OPENING GIVING A WASHING SPACE OF APPROXIMATELY 4-1/2".

Truth Part #	Part Number	Description	Stop
35.09.00.100	**28-12.2-00**	12-1/4" w/Stop	90°
35.09.00.101	**28-12.2-01**	12-1/4" w/Stop and Loose Rivet	90°
35.10.00.100	**28-16.2-00**	16-1/8" w/Stop	90°
35.10.00.101	**28-16.2-01**	16-1/8" w/Stop and Loose Rivet	90°
35.11.00.100	**28-16.2-02**	16-1/8" w/Stop and Washability Feature	90°

Amesbury Truth™

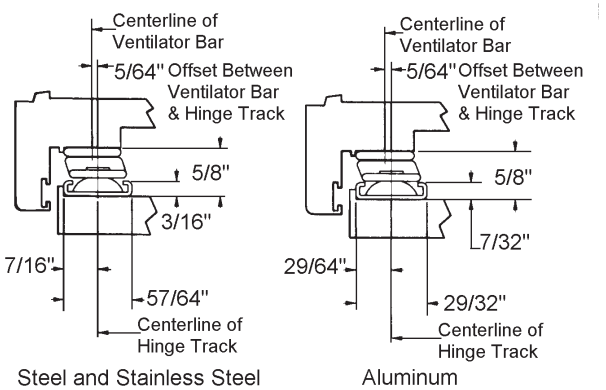
Part Number Guide

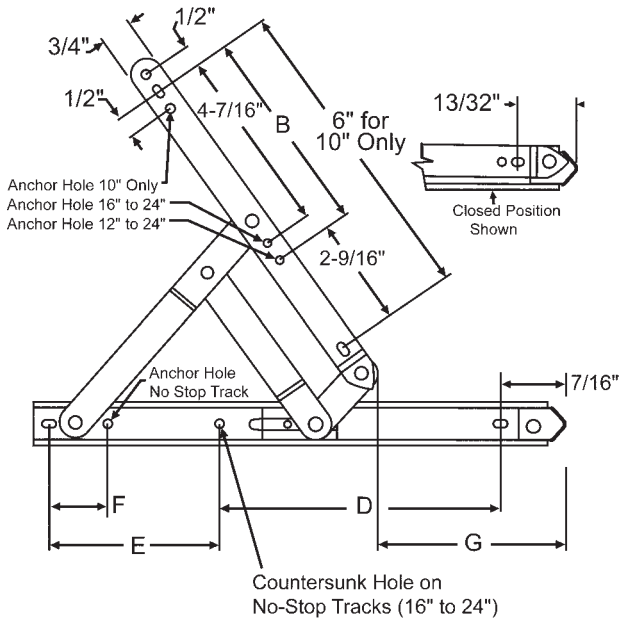
Add the suffix of the specific feature you require on the hinge to complete our part number

Material	Size	Truth Part #	Our Part #	Stop	No Stop	Loose Rivets*	.125 Shim	.187 Shim	.250 Shim	.312 Shim
SS	10"	34.24.00	**28-10-3**	-03	-00	-04	-06	-07	-84	-87
ST	10"	34.33.00	**28-10-4**	-03			-06	-05		
SS	12"	34.25.00	**28-12-3**	-14			-17			-18
SS	14"	34.26.00	**28-14-3**	-21	-00		23	22	-84	
ST	14"	34.35.00	**28-14-4**	-21			-23	21B		
SS	16"	34.27.00	**28-16-3**	-25			-01		29	
ST	16"	34.36.00	**28-16-4**	25						
SS	18"	34.28.00	**28-18-3**	25			08		84	
ST	18"	34.37.00	**28-18-4**					-27		
SS	20"	34.29.00	**28-20-3**	-25			-28	-27	29	
ST	20"	34.38.00	**28-20-4**	-25						
SS	24"	34.31.00	**28-24-3**	-09			-08	-11	-12	
ST	24"	34.39.00	**28-24-4**	-09				-07		
SS	28"	34.86.00	**28-28-3**	45						

Dark Gray Vertical Columns Denote Hinges without Stops (Maximum Opening)

*Loose rivets are usually used when less friction is needed and used with an operator.





Truth Part #.			Hinge Length	Vent Hinge Range	Maximum Vent Wt.	Ventilator Bar B	Track D	Std. Stop E	No-Stop Track F	G		Degree of Opening	
SS	ST	AL								Std. Stop	No Stop	Std. Stop	No Stop
34.24	**34.33**	**34.41**	10"	12"-20"	58	N/A	6-11/32"	2-1/4"	1-3/8"	4"	6-1/4"	58°	77°
34.25	**34.34**	**34.42**	12"	20"-25"	73	4-15/16"	6-19/32"	4"	1-5/8"	4-1/4"	7-3/4"	52°	77°
34.26	**34.35**	**34.43**	14"	23"-29"	85	5-15/16"	6-15/16"	5-21/32"	2-1/8"	4-1/4"	9-1/4"	48°	77°
34.27	**34.36**	**34.44**	16"	25"-34"	99	6-15/16"	7-21/32"	6-15/16"	2-5/8"	5-3/32"	10-3/4"	49°	77°
34.28	**34.37**	**34.45**	18"	32"-37"	108	7-15/16"	8-9/32"	8-5/16"	8-1/8"	5-3/4"	12-1/4"	49°	77°
34.29	**34.38**	**34.46**	20"	34"-40"	117	8-15/16"	8-31/32"	9-5/8"	3-5/8"	6-7/16"	13-13/16"	49°	77°
34.31	**34.39**	**N/A**	24"	40"-44"	129	10-15/16"	9-3/32"	13-1/2"	4-5/8"	6-3/4"	16-7/8"	45°	77°
34.86	**N/A**	**N/A**	28"	50"-64"	175	12-15/16"	9-19/32"	17"	N/A	7-1/2"	N/A	40°	N/A

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CASEMENT AND AWNING HINGES

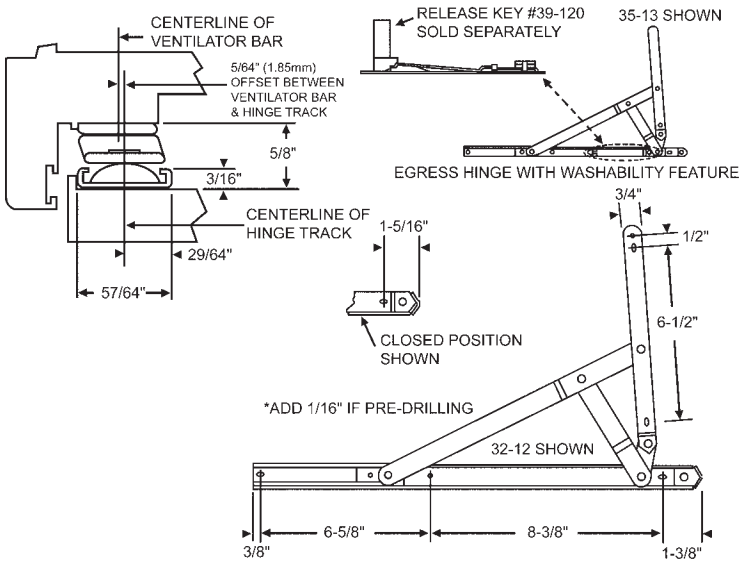
HEAVY DUTY STAINLESS STEEL 4-BAR EGRESS HINGES - ANDERBERG 333SS AND 334SS SERIES

Amesbury Truth

RECOMMENDED SCREWS:

6- NO .10 PHILLIPS, PAN HEAD, STAINLESS STEEL SCREWS (LENGTH AND THREAD TYPE TO BE DETERMINED BY PROFILE DESIGN).

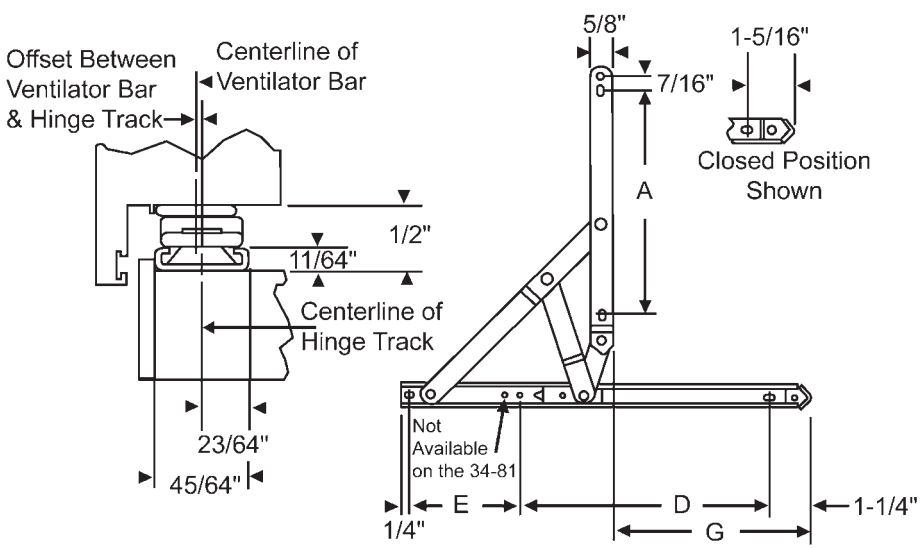
NOTE: 1- THE 35-13 HINGE OFFERS YOU THE ADVANTAGE OF ALLOWING THE OUTSIDE OF THE VENT TO BE WASHED FROM THE INSIDE BY INSERTING A KEY AND SLIDING THE CASEMENT WINDOW TOWARDS THE CENTER OF THE FRAME OPENING GIVING A WASHING SPACE OF APPROXIMATELY 4-1/2".



Truth Part #	Part Number	Description	Stop
35.12.00.100	**28-16.5-00**	16-1/2" w/Stop	90°

STANDARD DUTY STAINLESS STEEL CASEMENT HINGES - ANDERBERG 401 SERIES

Amesbury Truth

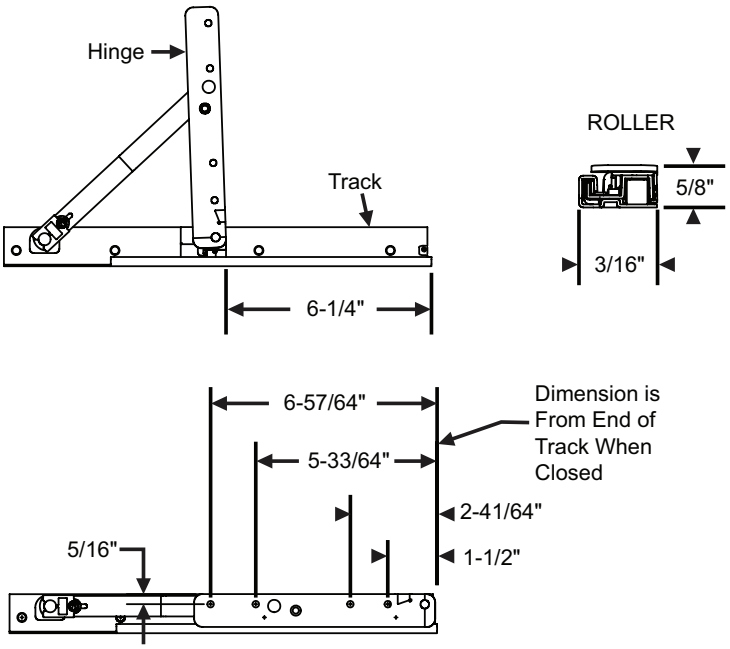


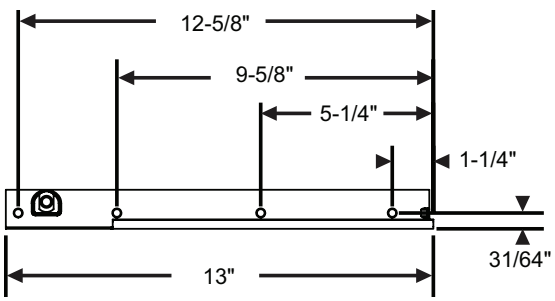
Truth Part #	Our Part #	Hinge Length	"A"	"D"	"E"	"G"	Stop
34.55.00.100	**28-12-12-0**	12"	6-3/4"	7-15/32"	3-5/16"	5-15/16"	90°
34.56.00.100	**28-14-12-0**	14"	7-9/32"	8-5/32"	4-5/8"	6-3/16"	90°

CONCEALED HIGH PERFORMANCE CASEMENT HINGE

Amesbury Truth™

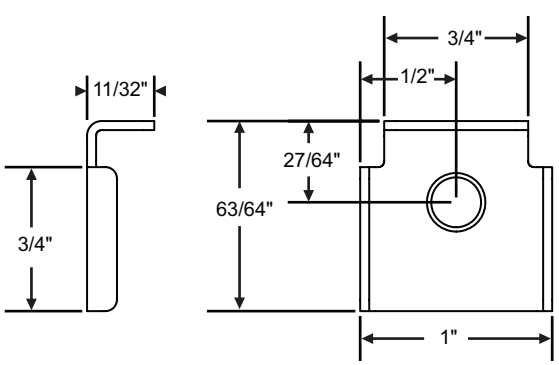
1. Capable of supporting a 140 lb. sash
2. Hinge allows use of triple pane glass and laminate glass package in larger windows.
3. Engineered to fit into larger 5/8" x 1-3/16" hinge cavity.
4. Hinge made with stainless steel track, arms, rivets, metal shoe insert, UV resistance plastic shoe housing and heavy duty brass stud.
5. Track and hinge sold separately





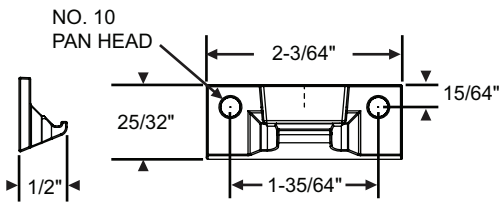
Truth Part #	Our Part Number	Description	Finish
14.10.00.511.1	28-166T	LL/UR Track Only	Stainless Steel
14.10.00.513.1	28-166	LL/UR Hinge Arm Only	Stainless Steel
14.10.00.512.1	28-169T	UL/LR Track Only	Stainless Steel
14.10.00.514.1	28-169	UL/LR Hinge Arm Only	Stainless Steel

High Performance Hinge Stop

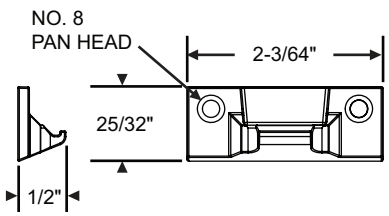


39-966

Concealed Snubber, Die Cast

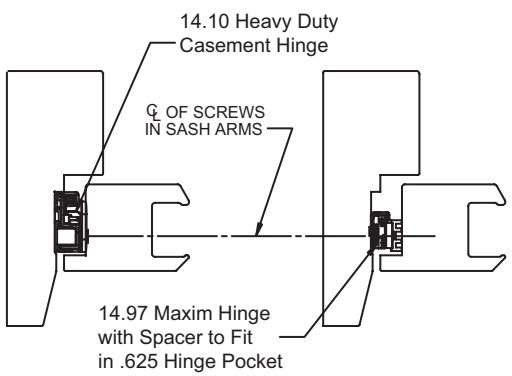


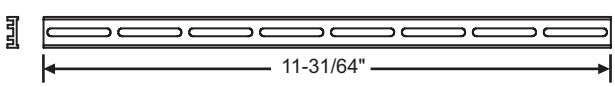
39-967



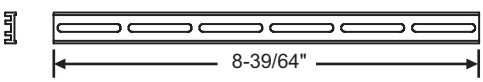
39-968

Hinge Spacer for Use in .625 Hinge Pocket

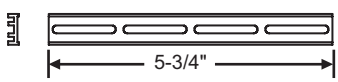




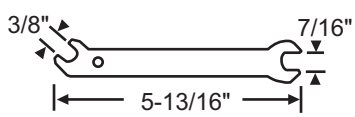
39-971



39-970



39-969



39-462
Adjusting Wrench

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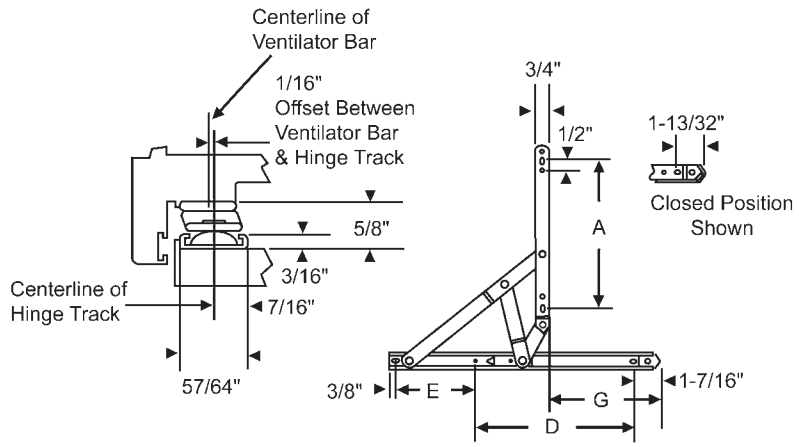
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

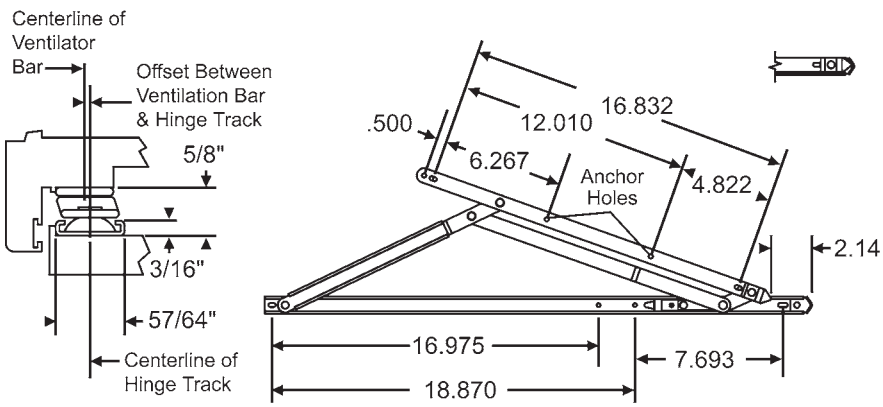
CASEMENT AND AWNING HINGES

HEAVY DUTY STAINLESS STEEL CASEMENT HINGES - ANDERBERG 601 SERIES



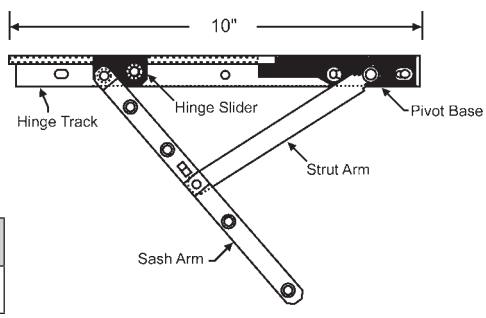
Truth Part #	Our Part #	Hinge Length	"A"	"D"	"E"	"G"	Stop
34.59.00.100	**28-14-13-0**	14"	8"	8-13/32"	4-3/16"	6"	90°
34.60.00.100	**28-16-13-0**	16"	8"	7-29/32"	6-11/16"	5-5/8"	90°
34.61.00.100	**28-18-13-0**	18"	8"	7-21/32"	8-15/16"	5-7/16"	90°

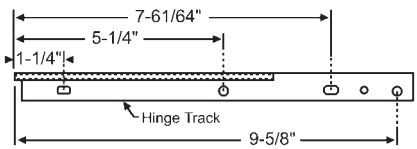
TRUTH'S SUPERIOR 4-BAR HINGE - ANDERBERG 301 SERIES

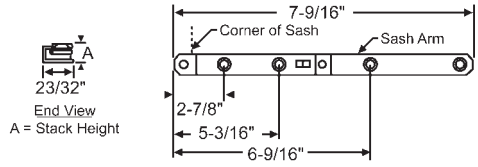


Truth Part #	Our Part #	Hinge Length	Vent Height Range	Degree of Opening	Maximum Vent Weight
34.87	**28-28-15-2S**	28"	64" to 86"	20°	300 lbs.

10" HP200 TRACK AND ARM CASEMENT HINGE ASSEMBLY





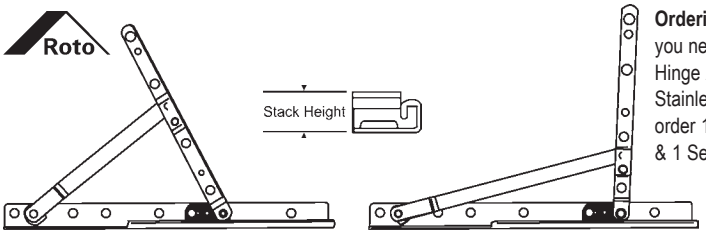


Part #	"A" Stack Height
28-10-23	1/2"

4pc. Set (2 Track & 2 Arms)

CASEMENT AND AWNING HINGES

HG05 CASEMENT HINGE*



Washability Egress

Ordering Example: If you need two 10" Steel Hinge Arms and two 10" Stainless Steel Tracks order 1 Set # 28R-10-1 & 1 Set # 28R-10T

Hinge Arm Set	Arm Finish	Stainless Steel Hinge Track Set	Size	Stack Height	Version
28R-10-1	Powder Coated Steel	28R-10T	10"	7/16"	Washability
28R-10-1SS	Stainless Steel	28R-10T	10"	7/16"	Washability
28R-10-1E	Powder Coated Steel	28R-10T	10"	7/16"	Egress
28R-10-2	Powder Coated Steel	28R-10T	10"	1/2"	Washability
28R-10-2SS	Stainless Steel	28R-10T	10"	1/2"	Washability
28R-10-2E	Powder Coated Steel	28R-10T	10"	1/2"	Egress
28R-13-1	Powder Coated Steel	28R-13T	13"	7/16"	Washability
28R-13-2	Powder Coated Steel	28R-13T	13"	1/2"	Washability

* Direct replacement for the Roto HG04 Casement Hinge.

The Roto HG05 Hinge series features 10" and 13" washability versions as well as a 10" egress version and is suitable for most casement and awning window applications (wood, vinyl, aluminum, and fiberglass). They are available in both 7/16" and 1/2" stack height versions, so there is no need for a spacer. The use of high quality materials and manufacturing processes makes this one of the strongest hinges on the market. The hinges are available in powder coated steel or Stainless Steel versions.

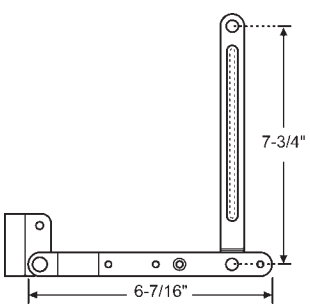
Features

Each hinge is equipped with Roto's quick disconnect feature that allows for easy snap connection between the sash and frame. With a simple turn of a wrench, the hinge adjusts to compensate for sash sag or window manufacturing variations, up to 3mm (.125). Additional holes in the hinge arms allow for installation into a bow/ bay window and for adding a limiting device.

Performance

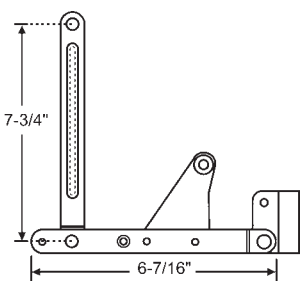
Hinge arms are rounded at the edges to resist binding and the track/slider overlaps by 2.7mm (0.106") to prevent disengagement. The hinge slider is reinforced with a stainless steel insert for greater rigidity and furnishes a 2mm clearance, eliminating interference with screws.

The HG05 hinge is AAMA 904 life cycle compliant at 125 lbs. on the 13" hinge and at 110 lbs. on the 10" version. Both steel versions are AAMA 907 corrosion compliant at 750 hours for powder coated and over 1000 hours for stainless steel. The hinges also pass ASTM E1886 and ASTM E1996 hurricane impact testing.



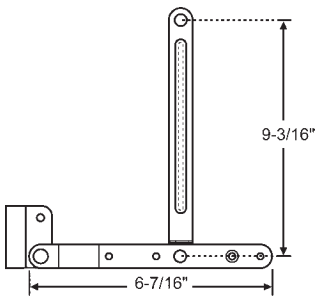
Part #	Hand
28-81RH	Shown
28-81LH	Opposite

Top Hinge Assembly
PEACHTREE



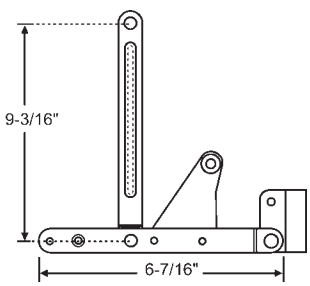
Part #	Hand
28-80RH	Shown
28-80LH	Opposite

Bottom Hinge Assembly
PEACHTREE



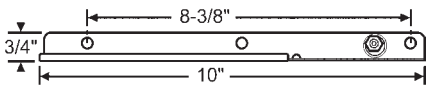
Part #	Hand
28-82RH	Shown
28-82LH	Opposite

Egress Top Hinge Assembly
PEACHTREE



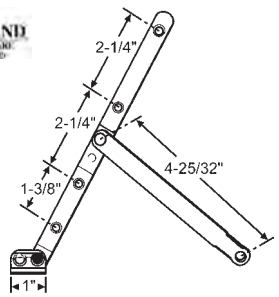
Part #	Hand
28-83RH	Shown
28-83LH	Opposite

Egress Bottom Hinge Assembly
PEACHTREE



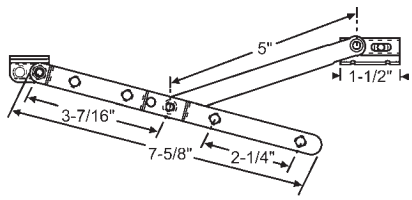
Part #	Hand
28-01-10ARH	Shown
28-01-10ALH	Opposite

Casement Hinge Track



Part #	Hand
28-03-10RHA	Shown
28-03-10LHA	Opposite

Casement Hinge Arm



28-120NSA
Casement Hinge Set
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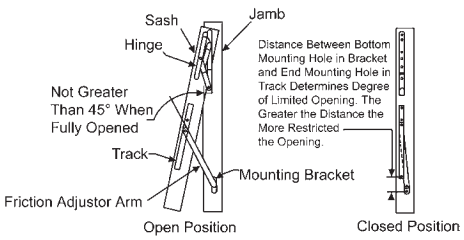
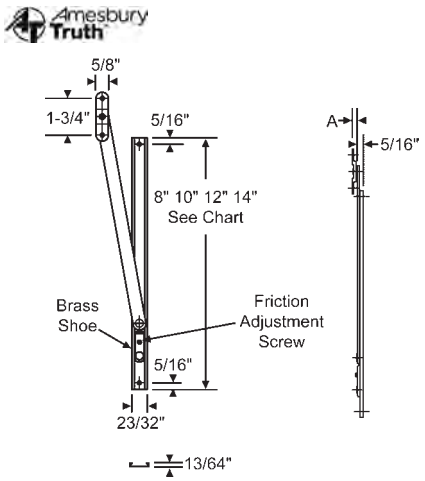
SASH CONTROL DEVICES

TRUTH'S HEAVY DUTY FRICTION ADJUSTERS



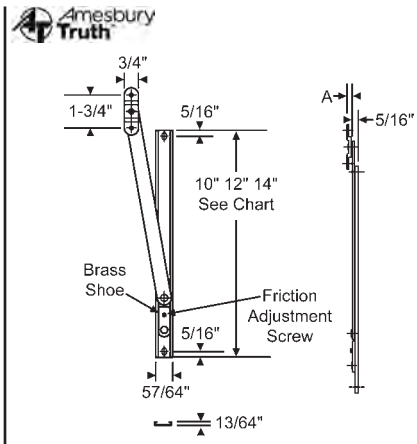
TRUTH'S STANDARD DUTY FRICTION ADJUSTERS ANDERBERG FA22SS SERIES



Truth Part #	Our Part #	Track Length	"A" Dimension
37.35.00.100	**28-8-9-00**	8"	15/64" (.235)
37.36.00.100	**28-10-9-00**	10"	15/64" (.235)
37.37.00.100	**28-12-9-00**	12"	15/64" (.235)
37.38.00.100	**28-14-9-00**	14"	15/64" (.235)

Note: Bar length is always 2" shorter than track length.

TRUTH'S HEAVY DUTY FRICTION ADJUSTERS ANDERBERG FA33SS SERIES

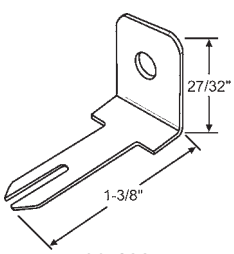


Truth Part #	Our Part #	Track Length	"A" Dimension
37.41.00.100	**28-10-10-0**	10"	15/64" (.235)
37.42.00.100	**28-12-10-0**	12"	15/64" (.235)
37.43.00.100	**28-14-10-0**	14"	15/64" (.235)

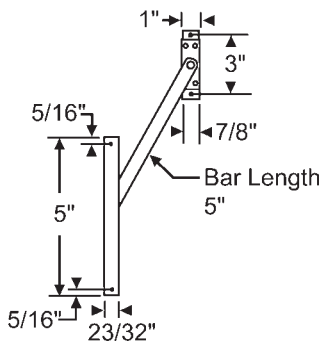
Note: Bar length is always 2" shorter than track length. Must specify bracket height from chart if not a standard bracket. Please contact Account Manager for correct part number.

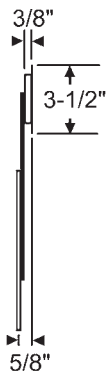
TRUTH'S STANDARD DUTY LIMIT DEVICE WITH KEY RELEASE - ANDERBERG FA220SS SERIES

Amesbury Truth



39-122
Release Key
SOLD SEPARATELY

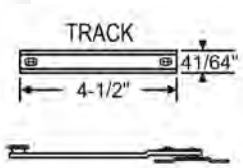


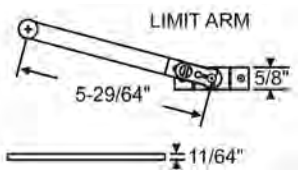


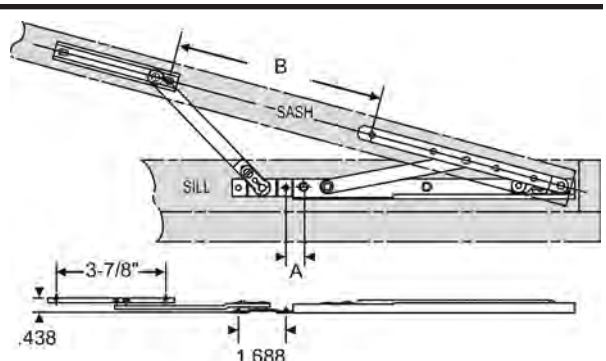
Truth Part #	Our Part #	Track Length	Bar Length
37.26.00.100	**28-5-11-0**	5"	5"
37.27.00.100	**28-6-11-0**	6"	6"
37.28.00.100	**28-7-11-0**	7"	7"
37.29.00.100	**28-8-11-0**	8"	8"
37.31.00.100	**28A-10-11-0**	10"	8"
37.31.00.101	**28-10-11-0**	10"	10"
37.33.00.100	**28B-12-10-0**	12"	6"
37.33.00.102	**28-12-11-0**	12"	12"
37.34.00.101	**28-14-11-0**	14"	14"

Note: If a bracket is not specified it comes with the standard 15/64" bracket (.235).

Amesbury Truth







99.20 Limit Device
99.24 Stainless Steel Limit Device

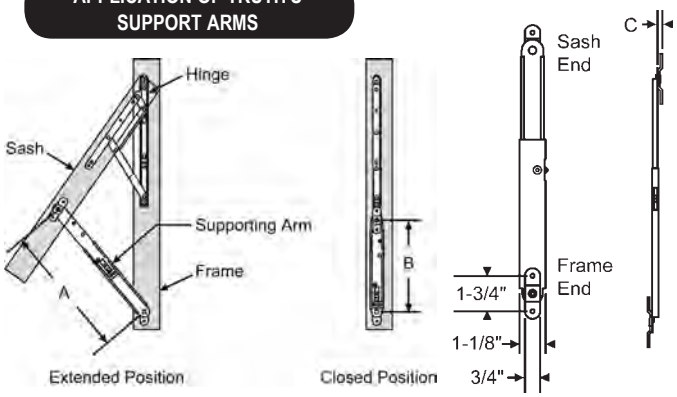
Part #	Description
39-167	5" Limit Device (Arm Only)
39-167SS	Stainless Steel 5" Limit Device (Arm Only)
39-481	Track Only
39-482	Arm & Track Assembly
39-482SS	Stainless Steel Arm & Track Assembly

Degrees Opening	A	B
5	6.125 (1.55.6 mm)	14.188 (360.4 mm)
10	.625 (15.9 mm)	8.375 (212.7 mm)
15	.625 (15.9 mm)	7.656 (194.5 mm)
20	.625 (15.9 mm)	6.625 (168.3 mm)

SASH CONTROL DEVICES

TRUTH SUPPORT ARMS - ANDERBERG 88SS SERIES

APPLICATION OF TRUTH'S SUPPORT ARMS

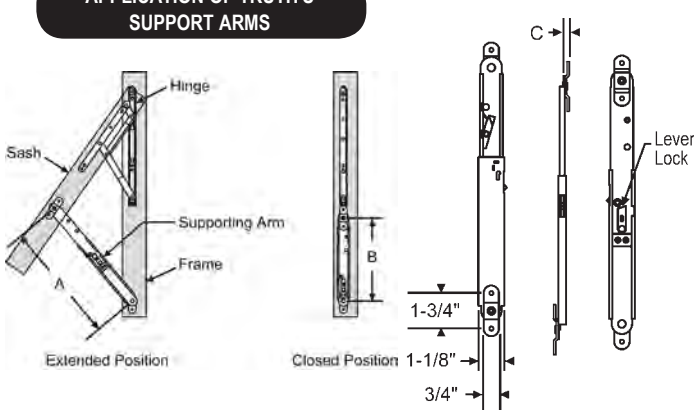


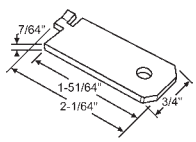
Truth Part #	Part #	A	B	Description (C)
37.10.00.100	**28-10-7-01**	10"	7"	with two .110 Brackets
37.10.00.103	**28-10-7-07**	10"	7"	with two .235 Brackets
37.11.00.104	**28-12-7-01**	12"	8"	with two .110 Brackets
37.11.00.102	**28-12-7-07**	12"	8"	with two .235 Brackets
37.12.00.100	**28-14-7-01**	14"	9"	with two .110 Brackets
37.13.00.106	**28-16-7-01**	16"	10"	with two .110 Brackets
37.13.00.103	**28-16-7-07**	16"	10"	with two .235 Brackets
37.14.00.100	**28-18-7-01**	18"	11"	with two .110 Brackets
37.15.00.102	**28-20-7-01**	20"	12"	with two .110 Brackets
37.17.00.105	**28-24-7-01**	24"	14"	with two .110 Brackets
37.18.00.101	**28-26-7-01**	26"	15"	with two .110 Brackets

Other lengths and bracket attachments available.
Contact your Sales Representative for details.

TRUTH SUPPORT ARMS WITH LIMIT DEVICE- ANDERBERG 880SS SERIES

APPLICATION OF TRUTH'S SUPPORT ARMS



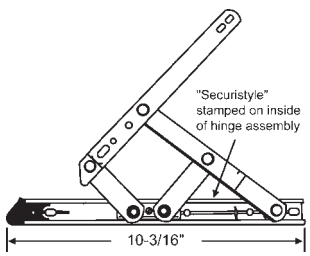


To Extend, #39-121 Release Key is Needed. Sold Separately

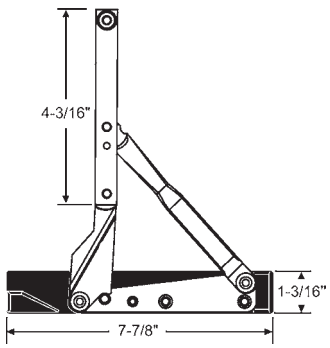
Truth Part #	Part #	A	B	Description (C)
37.20.00.100	**28-12-8-01**	12"	8-1/2"	with two .110 Brackets
37.21.00.103	**28-16-8-01**	16"	10-1/2"	with two .110 Brackets
37.21.00.110	**28-16-8-04**	16"	10-1/2"	with two .180 Brackets
37.22.00.100	**28-20-8-01**	20"	12-1/2"	with two .110 Brackets
37.23.00.114	**28-24-8-01**	24"	14-1/2"	with two .110 Brackets
37.23.00.113	**28-24-8-04**	24"	14-1/2"	with two .180 Brackets
37.24.00.107	**28-28-8-02**	28"	16-1/2"	with two .180 Brackets

Other lengths and bracket attachments available.
Contact your Sales Representative for details.

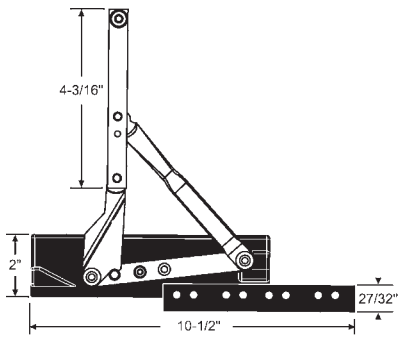
TOP HUNG HINGE ASSEMBLY



28-93-10
10" Storm Hinge (Pair). Stack Height 5/8".
RH Shown. Stainless Steel
SECURISTYLE

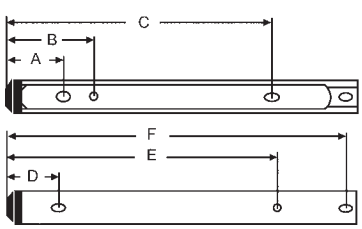


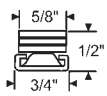
28-135C
Friction Hinge Set. RH Shown.
Stainless Steel.
CERTAINTEED INSULATE



Part #	Hand
28-135ML	Shown
28-135MR	Opposite

Stainless Steel.
MILGARD





Part No.	Size	Recommended Maximum Sash		
		Width	Height	Weight in lbs.
900-21941-16	16"	47-1/4"	29-1/2"	48.5

Fixing Hole Details in Millimeters						
Size	A	B	C	D	E	F
16"	36.1	139	271.9	30.8	309	407.2

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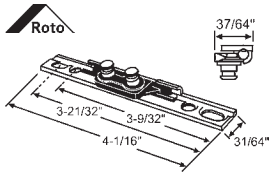
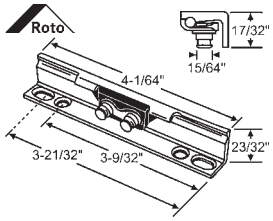
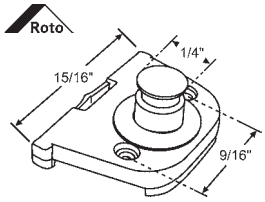


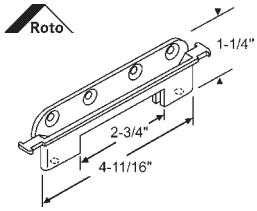
39-692
Surface Mount Awning Bracket Assembly.



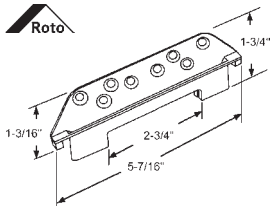
39-691
Face Mount Awning Bracket Assembly.



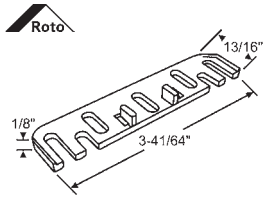
39-753
Slider for 38-21 Track



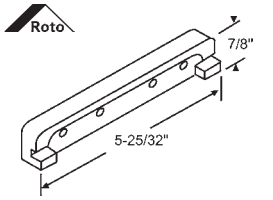
39-351
Use: 39-614



39-614
Die Cast Witteman Counterpart Spacer. Replaces Old Spacer 39-351

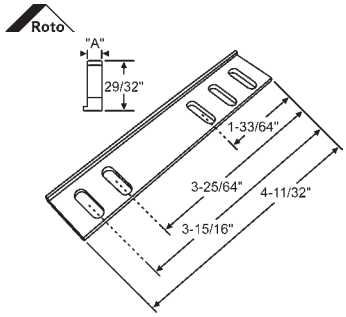


39-665
Black Nylon Spacer for Pro-Drive Operator



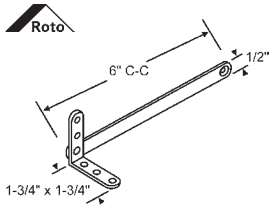
Part #	Color
39-350W	White

Plastic Support

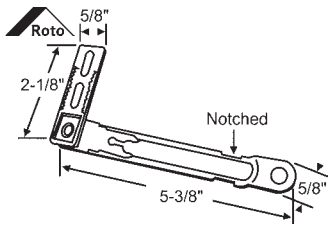


Part #	"A"
39-687	3/32"
39-687A	11/64"
39-687B	1/4"
39-687C	21/64"
39-687D	13/32"

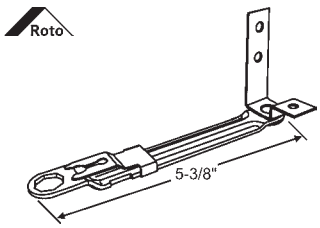
Operator Bottom Spacer. Black



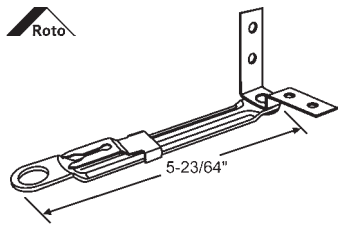
39-352
Connecting Arm with Bracket for 36-333 and 36-334. Zinc Dichromate



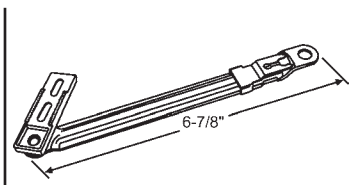
39-497
Stainless Steel Connect Arm with Die Cast Bracket.



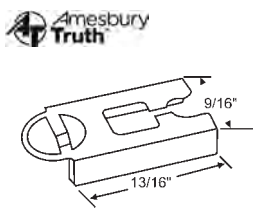
39-794
Stainless Steel Connect Arm Assembly with Stainless Steel Bracket



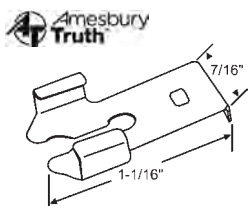
39-817
Stainless Steel Connect Arm Assembly with Stainless Steel Bracket



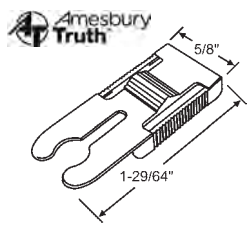
39-791
Connect Arm w/ Modified Clip 160 mm
INTERLOCK



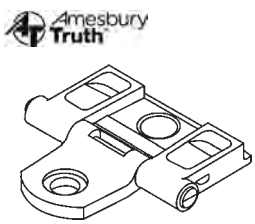
39-207
Detach Clip Bracket



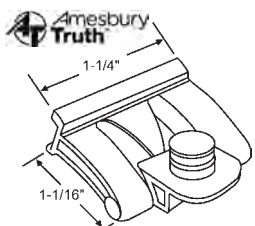
39-323
Stainless Steel Detach Clip



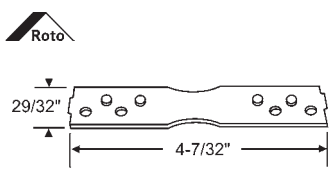
39-758
Black Plastic Detach Clip



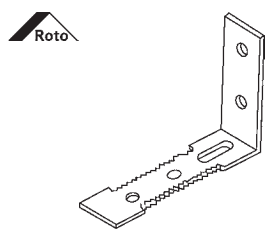
39-379
Pivot Shoe Assembly



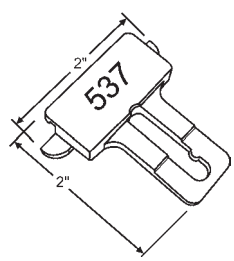
39-441
Pivot Slide Assembly Black, Plastic



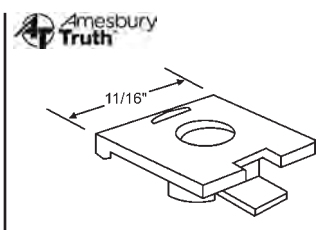
39-602
4-1/8" Black Top Spacer
3.5mm Thick x 22.5mm High



39-575
Sash Adapter Bracket for Casement Window. Stainless Steel

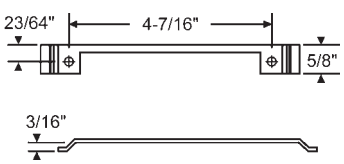


39-836
Slide Lock. White Nylon
SILVER LINE

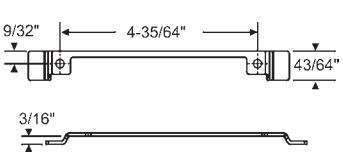


39-469
Black Casement Slider

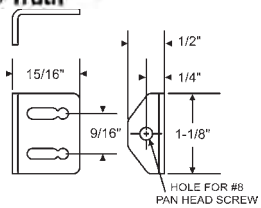
MISCELLANEOUS OPERATOR HARDWARE



39-763
Maxim® Dual Arm Operator Back Plate

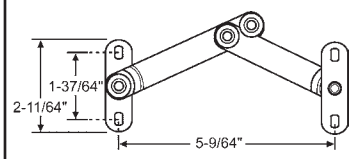


39-733
Encore™ Dyad Operator Back Plate



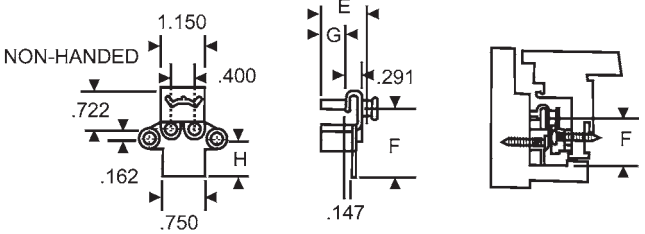
Part #	Finish
39-738-3	White
39-738-8	Chestnut Bronze

Stabilizing Tab. Includes 2 screws for attachment to operator.

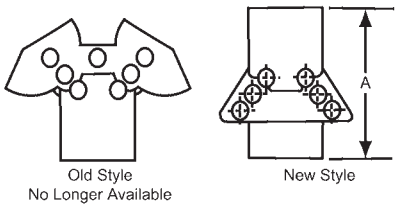


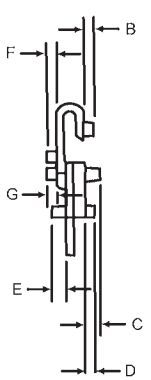
39-910
Sash Restrictor. Stainless Steel
INTERLOCK

TIE BAR GUIDE

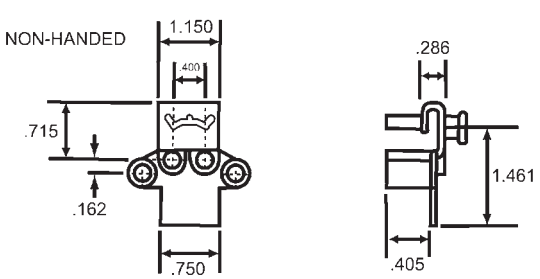


Part Number	E		F	G	H
	Interlock Roller	Cone Roller			
39-641	21/64"	25/64"	.765	.010	.219
39-448	21/64"	25/64"	.862	.010	.316
39-589	21/64"	25/64"	1.039	.010	.493
39-608	25/64"	29/64"	.837	.066	.291
39-594	13/32"	31/64"	1.077	.089	.531
39-195	27/64"	15/32"	1.147	.097	.601
39-649	27/64"	33/64"	1.163	.199	.617
39-1074	15/32"	17/32"	.940	.154	.394
39-191A	31/64"	9/16"	.902	.168	.356
39-654	31/64"	9/16"	.017	.170	.471
39-476	33/64"	37/64"	1.177	.192	.631
39-459A	31/64"	19/32"	1.128	.203	.582
39-426	17/32"	39/64"	.940	.216	.394
39-644	17/32"	39/64"	1.000	.216	.454
39-192	35/64"	5/8"	1.102	.229	.556
39-656	19/32"	43/64"	1.073	.274	.527





Part Number	A	B	C	D	E	F	G
39-576	1.155				.325		.225
39-577	1.395	.260	.250				
39-578	1.237	.010			.301	.201	
39-579	1.337	.091					
39-580	1.274	.010			.329	.229	
39-581	1.421	.090	.193	.193			
39-582	1.421	.045	.193	.193			
39-583	1.157		.153	.153			



39-649

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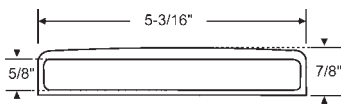
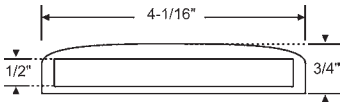
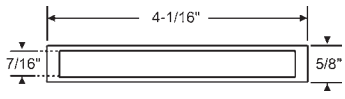


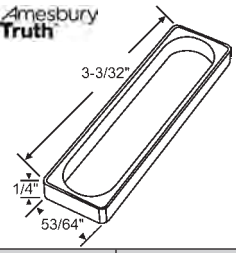
39-417
Gasket for Maxim® Operator



39-511
Gasket for Ellipse Operator

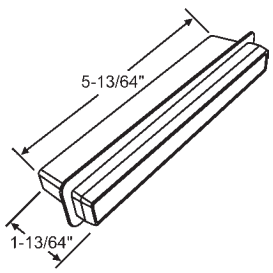


39-512
Gasket for Traditional Operator

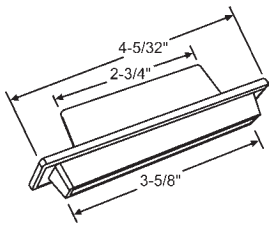


Part #	Finish
39-696-3	White
39-696-8	Chestnut Bronze

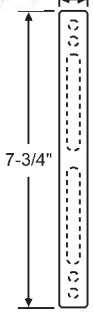
Spacer



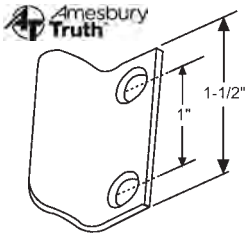
39-536
Gasket Applicator for Maxim® Operators



39-513
Gasket Applicator

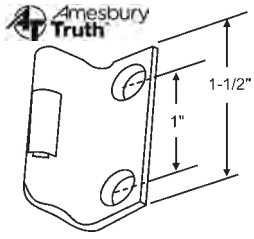


39-44
Operator Gasket



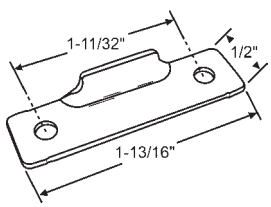
Part #	Finish
39-112	E-Gard Finish
39-112-3	White

Side Jam Snubber



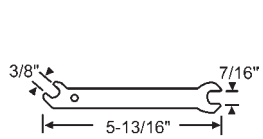
Part #	Finish
39-114-9	Beige
39-114-14	Cocoa Brown
39-114-23	Sandstone

Side Jam Snubber with Vinyl Insert



Part #	Finish
39-303	E-Gard

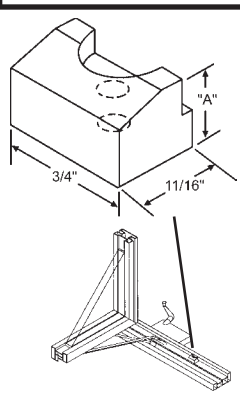
Concealed Snubber

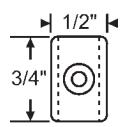


39-462
Combo Stud Wrench

Part #	Description	"A"
39-519	Clear Plastic	7/16"
39-519W	White	7/16"
39-520	Clear Plastic	1/2"
39-437	White	1/2"

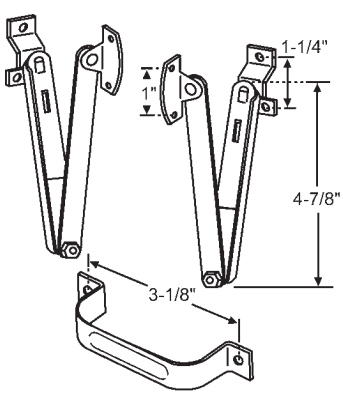
Casement Ramp
ACORN



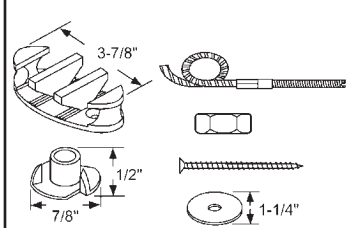


39-611
Slide Block. White
SILVER LINE

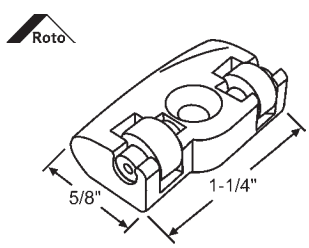
FINGER LATCHES & SLIDE BOLTS



900-15453
Storm Window Adjuster - Pair
Locks window securely when closed.

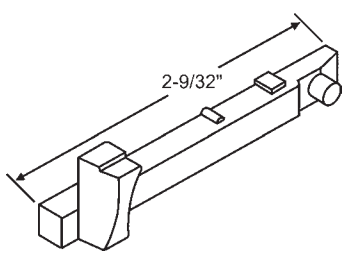


900-22378
Window Cable Support Kit for Bay Window



Part #	Finish
39-702B	Black
39-702W	White

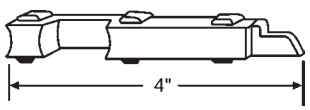
Sash Lift



Part #	Hand
900-5736	Shown
900-5735	Opposite

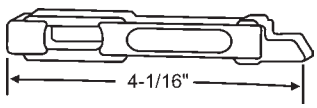
Slide Bolt. Natural Nylon
NEWELL

FINGER LATCHES & SLIDE BOLTS



Part #	Finish
46-15A	Natural Nylon

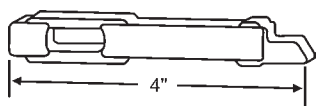
Slide Bolt Set (LH/RH)



Part #	Finish
46-2A	Mill
46-2WA	White
46-2BA	Brown

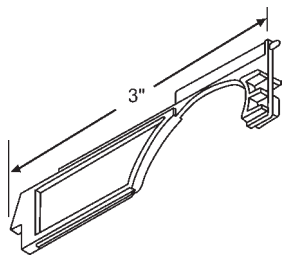
Die Cast Set (LH/RH)

CAPITOL



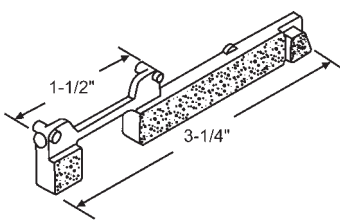
Part #	Finish
46-23A	Natural Nylon

Slide Bolt Set (LH/RH)



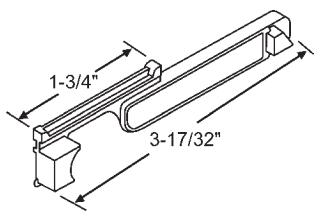
46-30

Die Cast



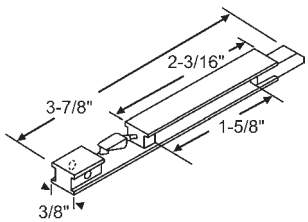
Part #	Hand
46-32	Shown
46-31	Opposite

Die Cast



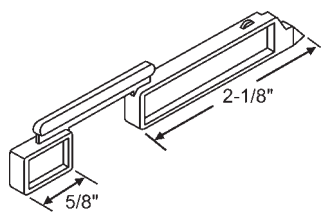
Part #	Hand
46-39	Shown
46-40	Opposite

Die Cast



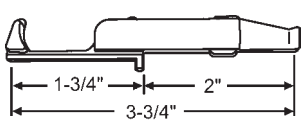
Part #	Finish
46-50A	White Nylon

LH/RH Slide Bolt. Sold in Set (RH Shown)



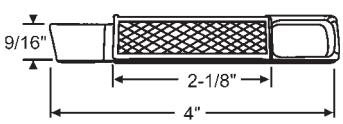
Part #	Hand
46-52	Shown
46-53	Opposite

Natural Nylon



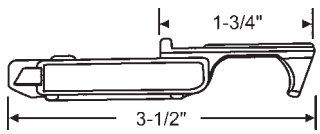
Part #	Hand
900-18534LH	Shown
900-18534RH	Opposite

Die Cast



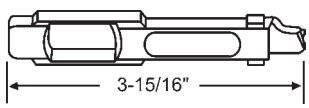
Part #	Hand
900-13501LH	Shown
900-13501RH	Opposite

Bright Zinc, Die Cast



Part #	Hand
900-11890	Shown
900-11891	Opposite

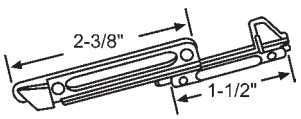
Die Cast



Part #	Hand
900-11877	Shown
900-11878	Opposite

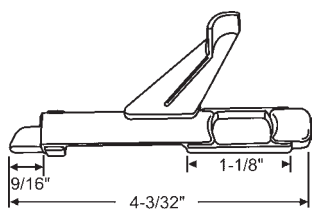
Die Cast

SEASONALL



Part #	Hand
900-22011RH	Shown
900-22011LH	Opposite

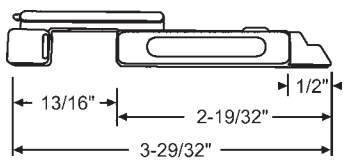
Die Cast



Part #	Hand
900-9297	Shown
900-9298	Opposite

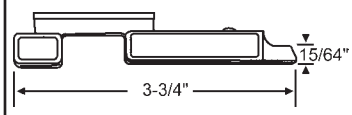
Die Cast

CAPITOL



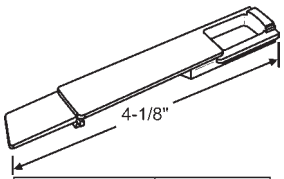
Part #	Finish
900-12146A	Natural Nylon

Slide Bolt Set (LH/RH)



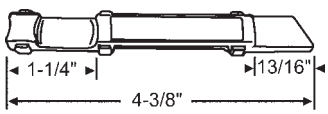
Part #	Hand
46-164LH	Opposite
46-164RH	Shown

White Nylon



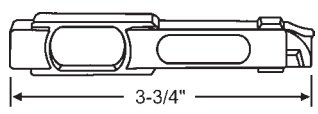
Part #	Hand
900-19289LH	Shown
900-19289RH	Opposite

White Nylon



Part #	Hand
900-18849	Shown
900-18850	Opposite

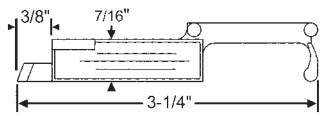
Die Cast



Part #	Hand
900-10187LH	Opposite
900-10187RH	Shown

Die Cast

SEASONALL



Part #	Hand
900-18535LH	Shown
900-18535RH	Opposite

Die Cast

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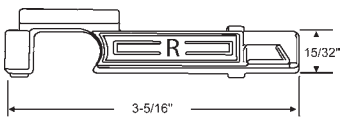
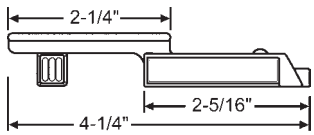
FINGER LATCHES & SLIDE BOLTS

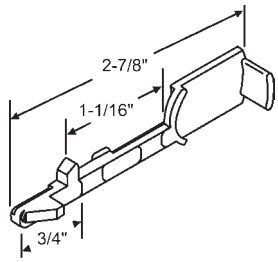


Part #	Hand
46-4	Shown
46-5	Opposite

Die Cast

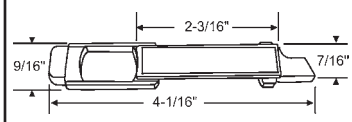


46-358P
Slide Bolt Set (LH/RH). RH Shown. White Plastic.

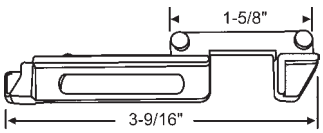


Part #	Hand
900-445LH	Shown
900-445RH	Opposite

Die Cast

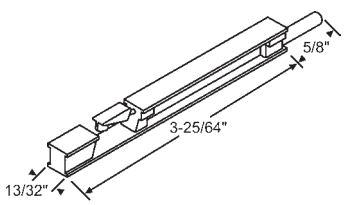


900-17495
Die Cast Set (RH/LH) with Springs
RH Shown
TRACO

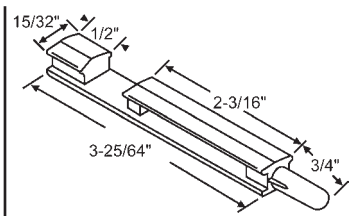


Part #	Hand
900-12610LH	Shown
900-12610RH	Opposite

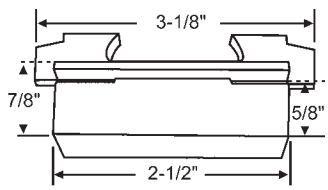
Die Cast



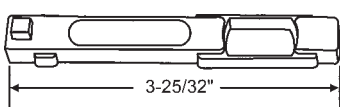
900-1725
Natural Nylon, Non-Hand



46-280W
Nylon, Non-Hand. White

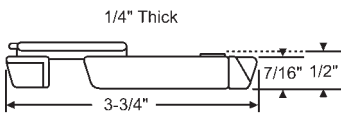


46-122
Black, Plastic



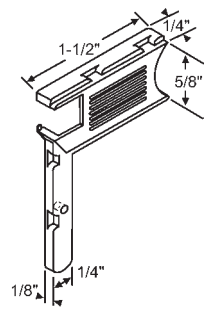
Part #	Hand
46-118	Shown
46-119	Opposite

Die Cast



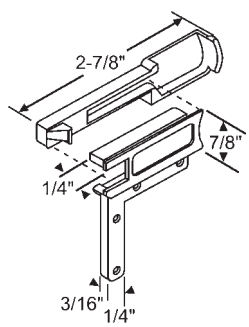
Part #	Hand
900-1655	Shown

Natural Nylon

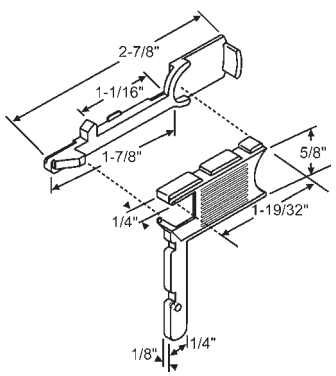


Part #	Hand
900-9229RH	Shown
900-9229LH	Opposite

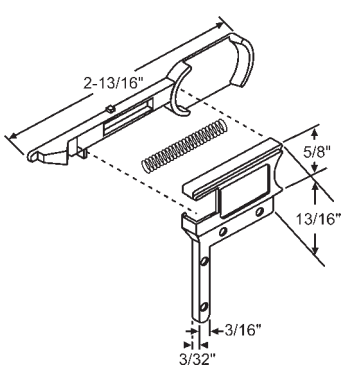
Die Cast



46-33A
Die Cast
Sold in Sets Only

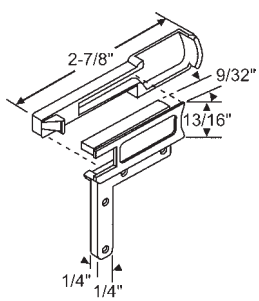


900-1831BA
Plastic Slide Bolt Black
Sold in Sets Only

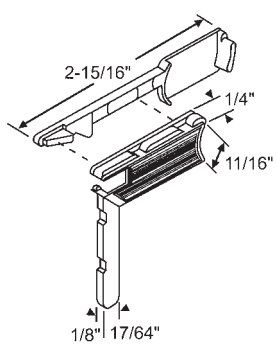


Part #	Hand
900-18624RHN	Shown
900-18624LHN	Opposite

Die Cast Slide Bolt. Black



46-35A
Finger Latch Set (LH/RH)
Die Cast

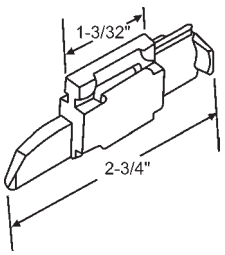


Part #	Hand
46-37	Shown
46-38	Opposite

Die Cast

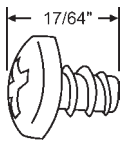
FINGER LATCHES & SLIDE BOLTS

SLIDE BOLT ACCESSORIES

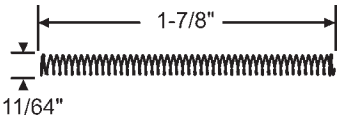


Part #	Hand
900-13382LH	Shown
900-13382RH	Opposite

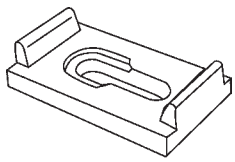
Die Cast



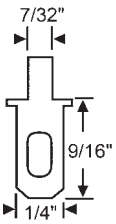
900-13382S
Screw for 900-13382LH/RH



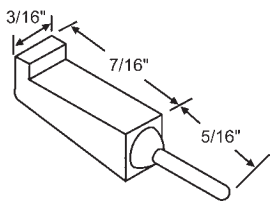
900-13382SP
Spring for 900-13382LH/RH



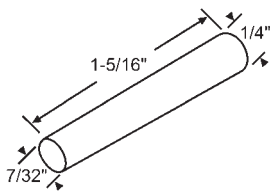
900-13382L
Limit Stop for 900-13382LH & 900-13382RH. Black



900-13382R
Spring Retainer
Zinc

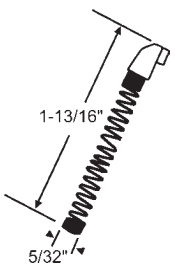


900-5732
Natural Nylon Spring Insert for 900-5735 Slide Bolts/Finger Latch

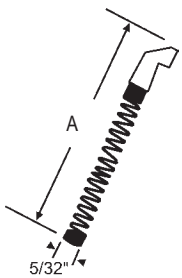


900-17455
Storm Slide Bolt Extension
Natural Nylon

SLIDE BOLT SPRINGS

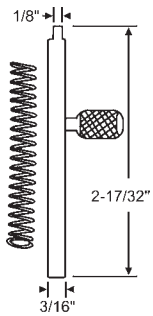


46-10
Plastic Tip



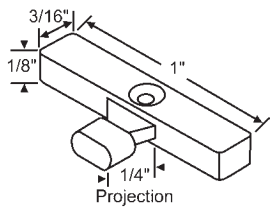
Part #	A
46-28	1-63/64
46-28S	1-5/16"

Plastic Tip



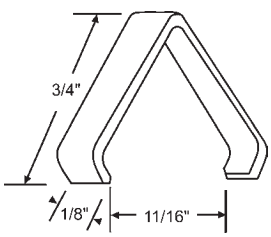
900-9573
Latch Pin Bar with Spring
Aluminum

ANTI-BOW PIN

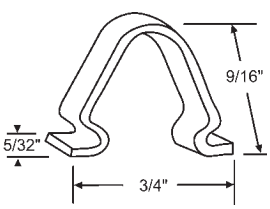


900-11894
Anti-Bow Pin
Die Cast

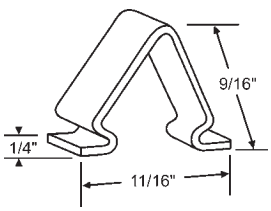
INSERT CLIPS



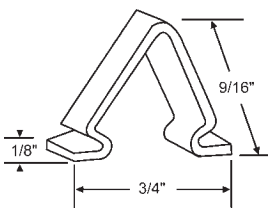
46-1



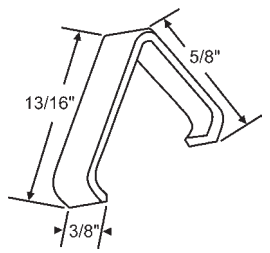
46-6



46-22



46-126



46-218

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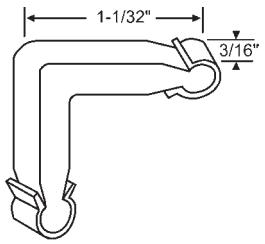
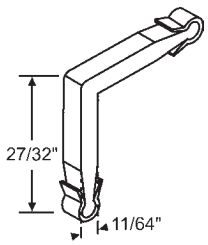
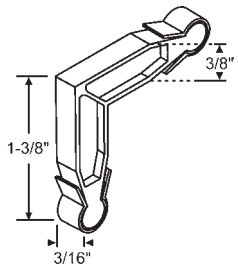
CORNER KEYS



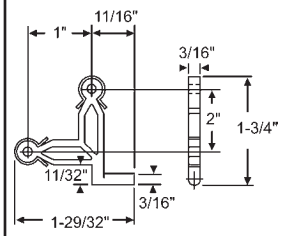
46-11
Universal. Die Cast



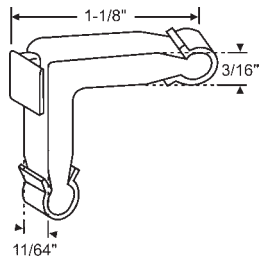
46-124
Die Cast



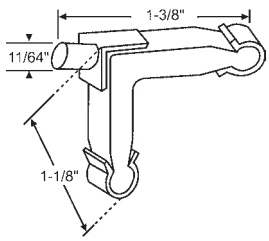
900-17541
Die Cast



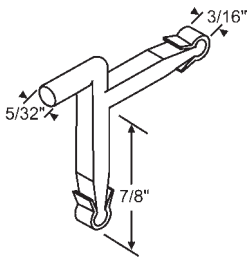
900-17541T
Tilt Window Screen Corner
Die Cast
TRACO



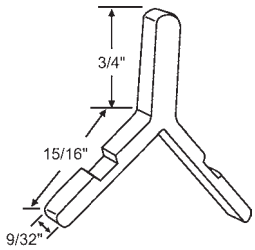
46-9
Die Cast
CAPITOL



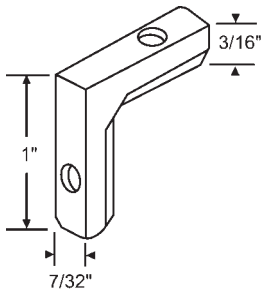
46-8
Die Cast
CAPITOL



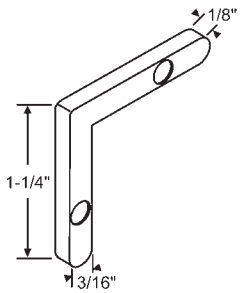
46-125
Die Cast



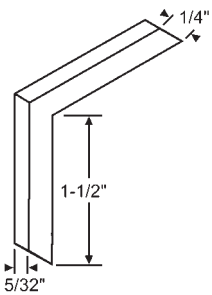
46-21
Aluminum



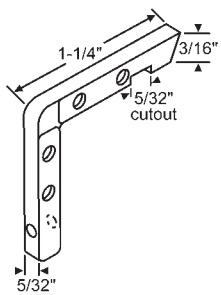
46-12
Die Cast



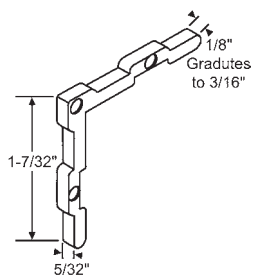
900-479
Die Cast



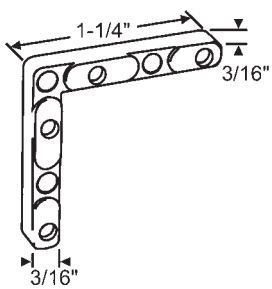
900-14556
Aluminum



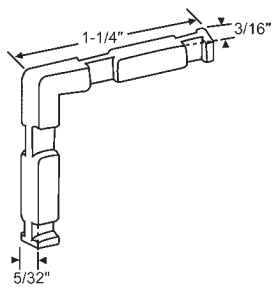
900-11892
Die Cast



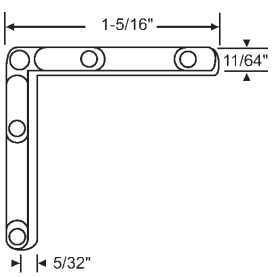
900-11008
Die Cast



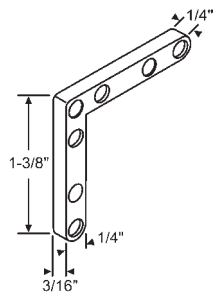
900-481
Die Cast



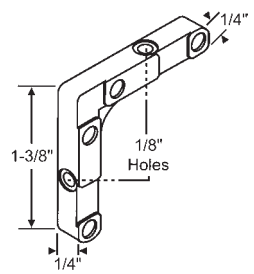
46-66
Die Cast



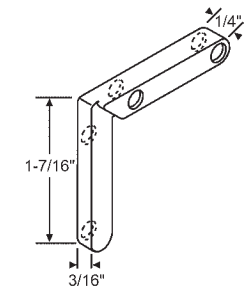
900-15214
Die Cast



900-12611
Die Cast

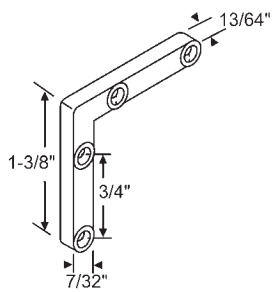


900-14537
Die Cast



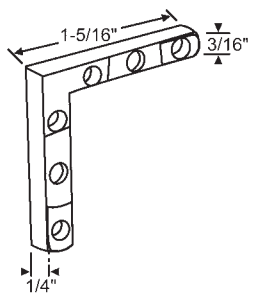
Part #	Hand
900-12612LH	Shown
900-12612RH	Opposite

Die Cast

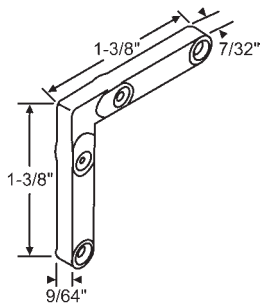


900-21287
Die Cast

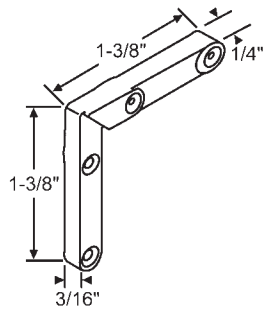
CORNER KEYS



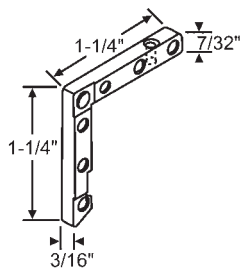
46-86
Die Cast



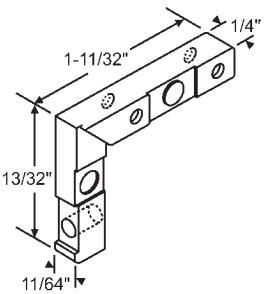
46-80
Die Cast



46-82A
Sold in Sets Only
LH Shown. Die Cast

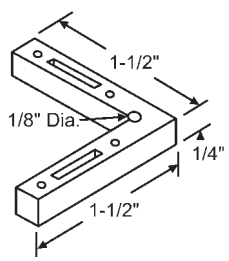


46-120
Die Cast

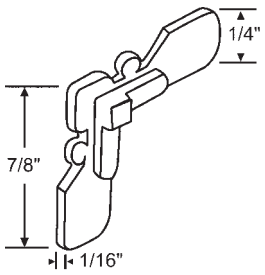


Part #	Hand
900-19065	Shown
900-19066	Opposite

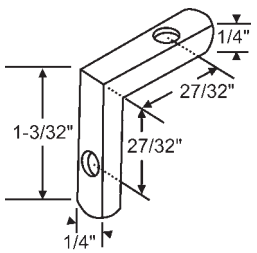
Die Cast



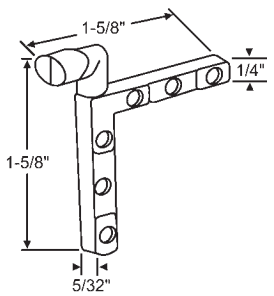
900-7303
Natural Nylon
CROSSLY



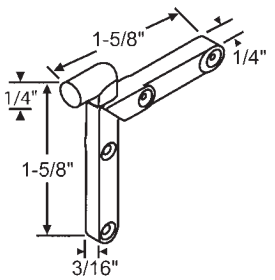
46-25
Die Cast



46-263
Zinc Die Cast
HARCAR

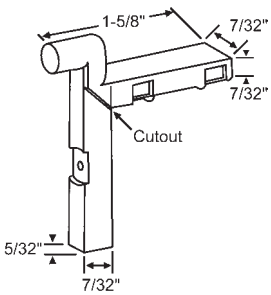


46-27A
Die Cast
Sold in Sets Only
1RH (Shown) & LH



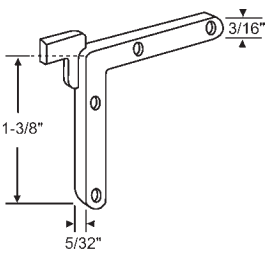
Part #	Hand
46-85	Shown
46-84	Opposite

Die Cast

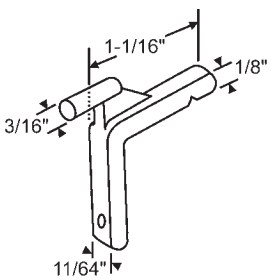


Part #	Hand
46-90	Shown
46-89	Opposite

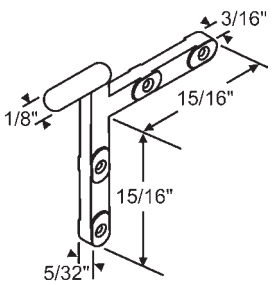
Die Cast



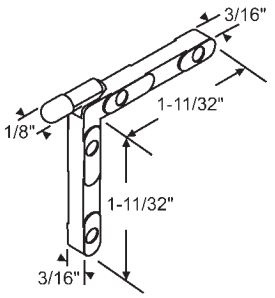
46-7
Die Cast



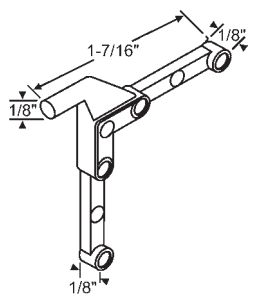
46-142
Die Cast
With Hole & Screw



900-18318
Corner Key
Die Cast

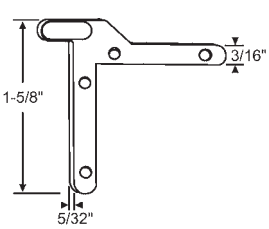


900-464
Die Cast

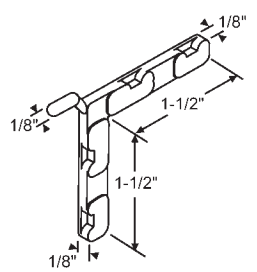


Part #	Hand
900-17595LH	Shown
900-17595RH	Opposite

Die Cast Corner Swivel

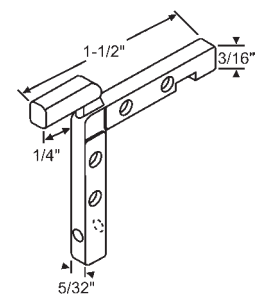


900-11012
Corner Key Pair (LH/RH)
Die Cast

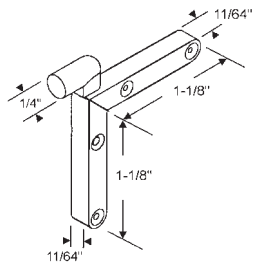


Part #	Hand
900-11924LH	Shown
900-11924RH	Opposite

Die Cast



900-11893
Die Cast



Part #	Hand
900-12613LH	Shown
900-12613RH	Opposite

Die Cast

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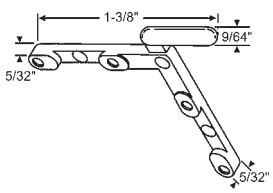
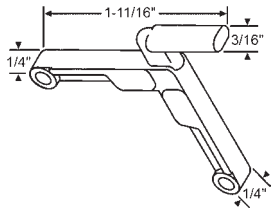
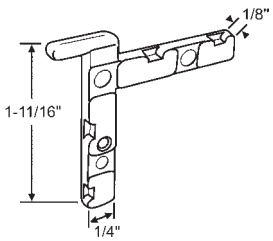
CORNER KEYS



900-19063
Die Cast

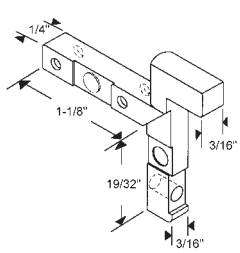


900-19067
Die Cast, Gray

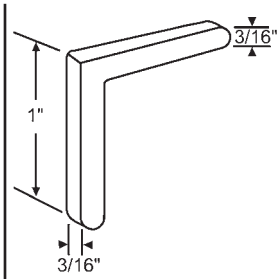


Part #	Hand
900-456LH	Shown
900-456RH	Opposite

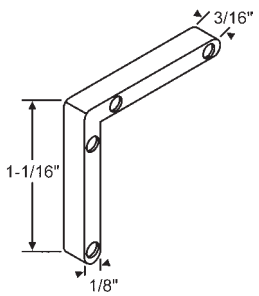
Die Cast Tilt Key



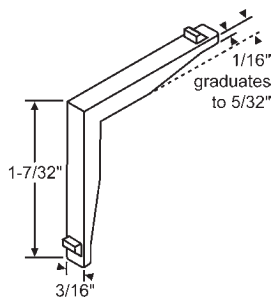
900-19068
Die Cast



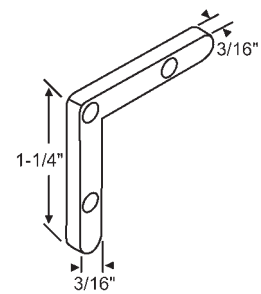
46-19
Natural Nylon



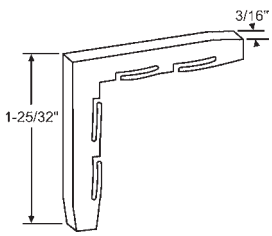
46-121
Natural Nylon
SEASONALL



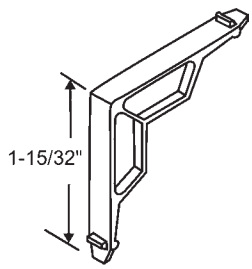
46-138
White Nylon



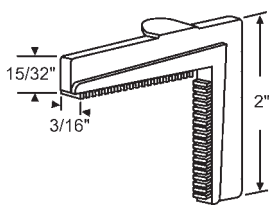
900-2229
Universal
Natural Nylon



900-19237
White
Plastic

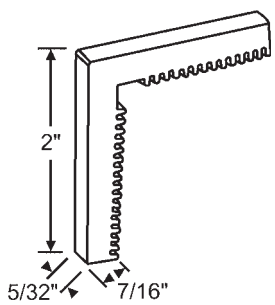


900-2251
Natural Nylon

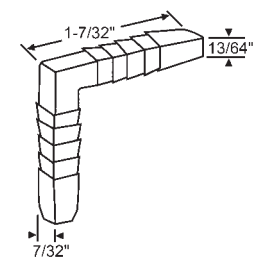


Part #	Hand
900-2256	Shown
900-2257	Opposite

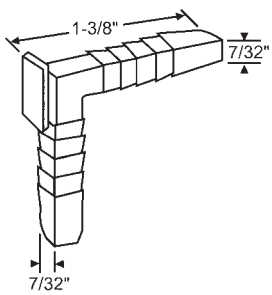
White Nylon



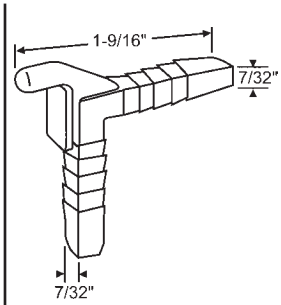
900-2260
White



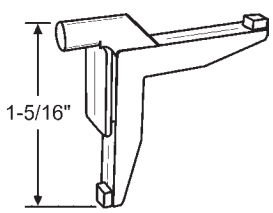
900-2278
White Nylon



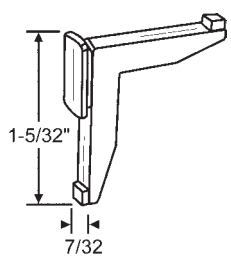
46-20
White Nylon



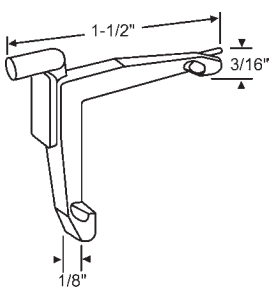
46-26
White Nylon



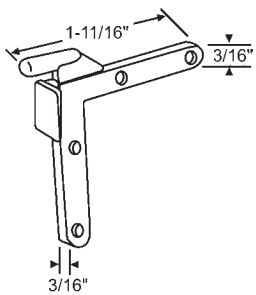
900-9071
White. Top
CAREFREE



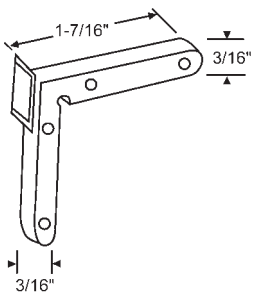
900-9070
White. Bottom.
CAREFREE



46-17
Universal
Natural Nylon

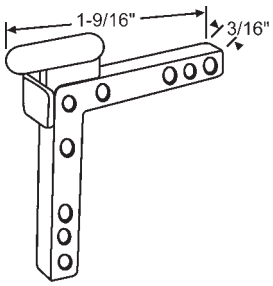


46-18
Nylon
White

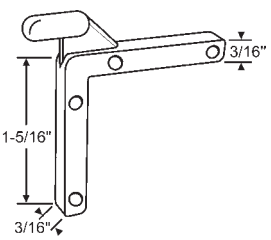


900-2209
Universal
Natural Nylon

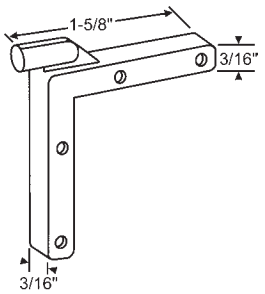
CORNER KEYS, TILT KEYS



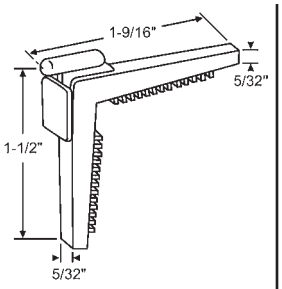
46-163
White Nylon Tilt Key



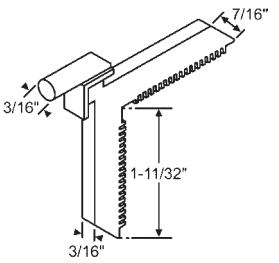
46-285
Universal
White Nylon



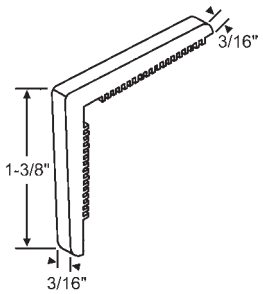
900-2157
Natural Nylon Tilt Key



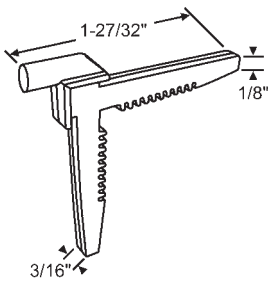
900-2269
Black Nylon Tilt Key



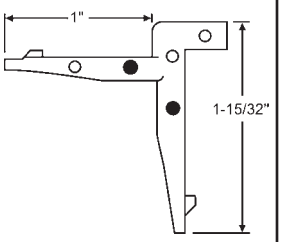
900-15773
Natural Nylon Tilt Corner Key



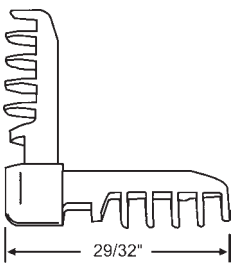
900-15772
Nylon



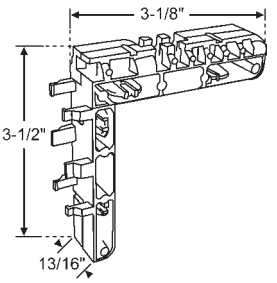
46-107
White Nylon. Saw Tooth Design



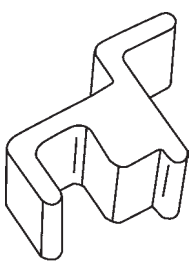
46-137
White Nylon with Edge



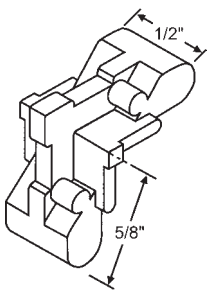
46-269
White Nylon



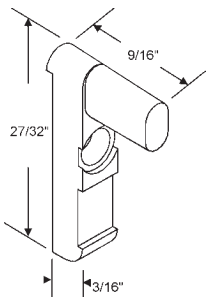
900-19043
White Nylon



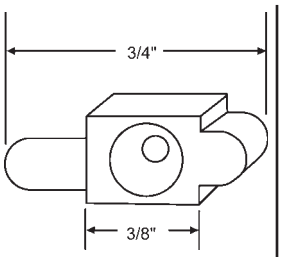
900-21654
Storm Sash Control Button
Die Cast



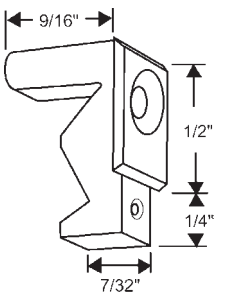
900-14559
Die Cast



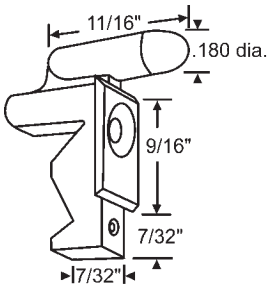
900-10188
Pivot Key without Screw
Die Cast



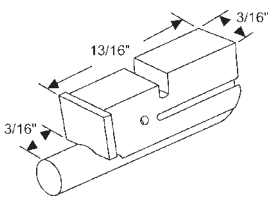
900-5359
Tilt Key. Nylon
Black
ALENCO



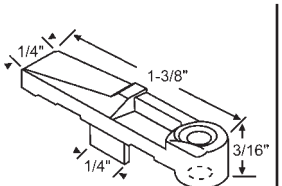
900-5941
Natural Nylon Tilt Key
GALLITAN



900-5939
Natural Nylon Tilt Key
GALLITAN

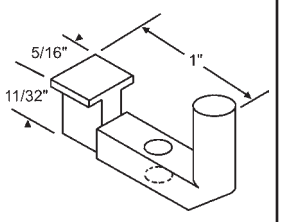


900-2353
Tilt Key
White Nylon

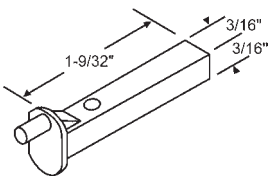


Part #	Hand
900-12102	Shown
900-12101	Opposite

Die Cast. Storm Window & Door Anti-Bow Latch For Wood Windows
SEASONALL



46-116
White
Nylon Tilt Key
SUGARCREEK



900-2331
Natural Nylon Tilt Key

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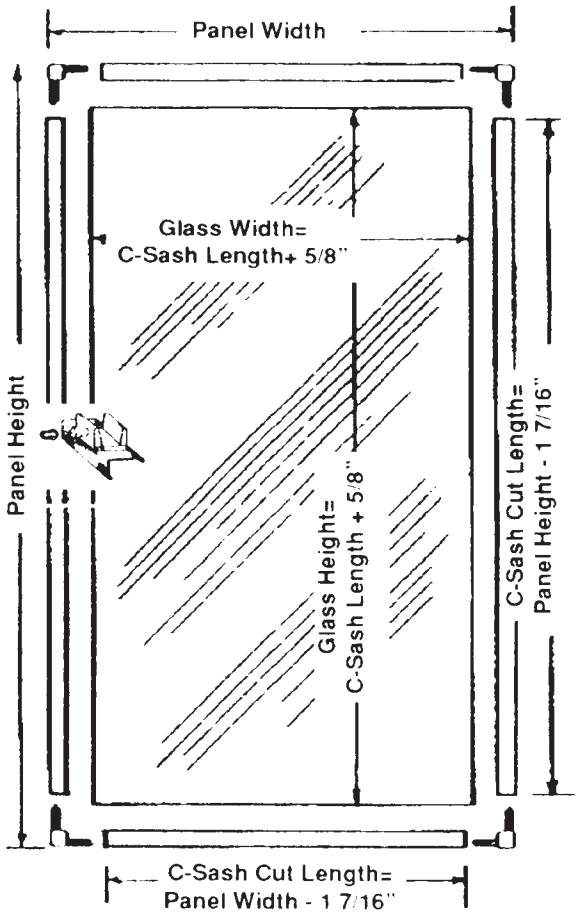
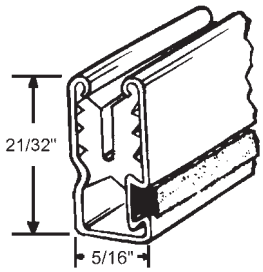
C-Sash Components Make Assembly and Installation Easy.



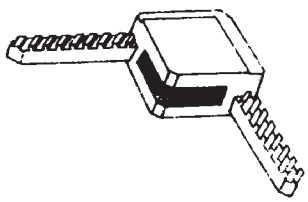


8 Ft. Lengths - 20 lengths per carton

Part #	Color
90-496W-8	White

12 Ft. Lengths - 100 lengths per carton

Part #	Color
90-492M-12	Mill
90-492B-12	Bronze
90-492W-12	White



Press-Lock™ Corners eliminate the need for mitering. Just push into a square-cut corner, no need for staking. Made of high-impact ABS.

Part #	Color
90-489M	Mill
90-489B	Bronze
90-489W	White

Sill Expander A vinyl section which includes pile weather-strip, slides onto the C-sash frame to correct for sill irregularities and to provide weather-scaling along the base of frame.

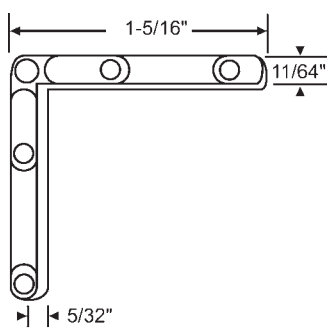
Part #	Color
90-491B	Bronze
90-491W	White

42" Length

C-Sash® has been a proven performer in the storm window and storm door industry for years. Its unique roll-formed combination of aluminum, gasketing and weather-stripping reduce fabrication time and simplify inventory control. This reliable framing member can be used for:

- External Storm Panels
- Internal Window Panels
- Additional Thermal Protection for
- Picture and Bay Windows
- Storm Door Window Panels
- Up to 1/8" Glass Thickness

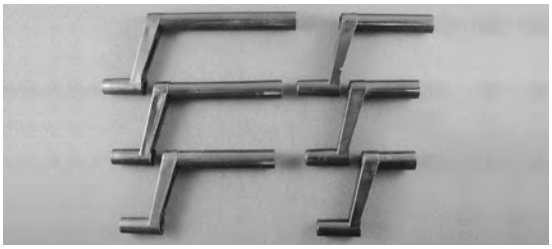
***Note C-Sash cut lengths = Panel Width -5/8"**



Die Cast Corner Key Zinc Die Cast used for mitered corners.

900-15214

CRANKS, KNOBS, HANDLES AND EXTENSIONS

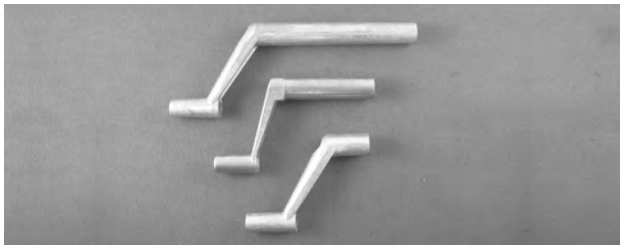


Black Plastic Crank Handle w/Screw
1 Per Card

Part #	Description
838C BLK	1" Plastic Crank
748C BLK	1-3/8" Plastic Crank
881C BLK	1-3/4" Plastic Crank
750C BLK	2-1/4" Plastic Crank
771C BLK	2-1/2" Plastic Crank
712C BLK	3-3/16" Plastic Crank

Black Plastic Crank Handle w/Screw
25 Polybagged

Part #	Description
838P BLK	1" Plastic Crank
748P BLK	1-3/8" Plastic Crank
881P BLK	1-3/4" Plastic Crank
750P BLK	2-1/4" Plastic Crank
771P BLK	2-1/2" Plastic Crank
712P BLK	3-3/16" Plastic Crank



Metal Crank Handle w/Screw
1 Per Card

Part #	Description
889C	1" Metal Crank
795C	1-3/4" Metal Crank
796C	3-1/2" Metal Crank

Metal Crank Handle w/Screw
25 Polybagged

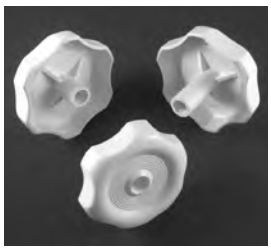
Part #	Description
889P	1" Metal Crank
795P	1-3/4" Metal Crank
796P	3-1/2" Metal Crank

2-1/4" Outside Diameter Black Plastic Knob Handle w/Screw
1 Per Card

Part #	Description
743C BLK	5/16" Shaft
743CE BLK	7/8" Shaft

25 Polybagged

Part #	Description
743P BLK	5/16" Shaft
743PE BLK	7/8" Shaft



2-1/4" Outside Diameter White Plastic Knob Handle w/Screw
1 Per Card

Part #	Description
743C WHT	5/16" Shaft
743CE WHT	7/8" Shaft

25 Polybagged

Part #	Description
743P WHT	5/16" Shaft
743PE WHT	7/8" Shaft

2-1/8" Outside Diameter Kinro White Plastic Knob Handle w/Screw
1 Per Card

Part #	Description
710C WHT	9/16" Shaft
710CE WHT	13/16" Shaft

Bulk

Part #	Description
710P WHT	9/16" Shaft
710PE WHT	13/16" Shaft

2-1/8" Outside Diameter Kinro Black Plastic Knob Handle w/Screw
1 Per Card

Part #	Description
710C BLK	9/16" Shaft
710CE BLK	13/16" Shaft

1 Polybagged

Part #	Description
710P BLK	9/16" Shaft
710PE BLK	13/16" Shaft

1-5/8" Outside Diameter Mini Black Plastic Knob Handle w/Screw
1 Per Card

Part #	Description
713C BLK	9/16" Shaft

1 Polybagged

Part #	Description
713P BLK	9/16" Shaft

Plastic Tee Handle w/Screw
1 Per Card

Part #	Description
837C	13/16" Shaft

25 Polybagged

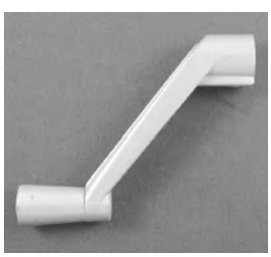
Part #	Description
837P	13/16" Shaft

Metal Tee Handle w/Screw
1 Per Card

Part #	Description
776C	1/2" Shaft

10 Polybagged

Part #	Description
776P	1/2" Shaft

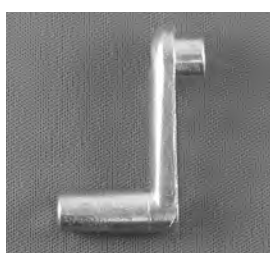


Metal Crank Handle
1 Per Card

Part #	Description
155C	5/16" Hex

1 Polybagged

Part #	Description
37-159	5/16" Hex

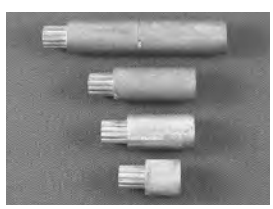


Roof Vent Crank Handle w/Screw
1 Per Card

Part #	Description
783C	1/4" Shaft

1 Polybagged

Part #	Description
783P	1/4" Shaft



Metal Extension w/Screw
1 Per Card

Part #	Description
831C	1/2" Metal Extension
832C	7/8" Metal Extension
833C	1-1/8" Metal Extension
834C	2" Metal Extension

25 Polybagged

Part #	Description
831P	1/2" Metal Extension
832P	7/8" Metal Extension
833P	1-1/8" Metal Extension
834P	2" Metal Extension

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OPERATORS AND OPERATOR KITS

Roof Vent Operator Kit
2-15/16" cc Mounting Holes
1 Kit Per Card

Part #	Description
898CK	5" Arm
806CK	5-3/8" Arm
807CK	7-11/16" Arm

1 Kit Polybagged

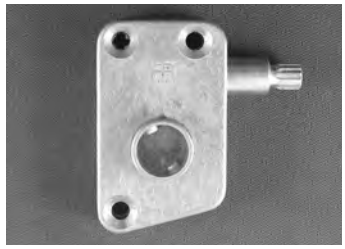
Part #	Description
898PK	5" Arm
806PK	5-3/8" Arm
807PK	7-11/16" Arm

Roof Vent Operator Kit
2-15/16" cc Mounting Holes.
1 Kit Per Card

Part #	Description
814CK	6" Arm

1 Kit Polybagged

Part #	Description
814PK	6" Arm



Slant Sill Side Mount Torque Operator
1/2" ID Hole, w/ 3/16" Hub Projection.
1 Per Card

Part #	Description
761C	RH Operator -Shown
762C	LH Operator - Opposite

1 Polybagged

Part #	Description
761P	RH Operator -Shown
762P	LH Operator - Opposite

Philips Side Mount Operator
1/2" ID Hole, w/3/16" Hub Projection.
1 Per Card

Part #	Description
735C	RH Operator - Shown
736C	LH Operator - Opposite

1 Polybagged

Part #	Description
735P	RH Operator - Shown
736P	LH Operator - Opposite

Small Side Mount Operator
1/2" ID Hole, w/ 5/8" Hub Projection (pictured)
1 Polybagged

Part #	Description
758PR	RH Operator - Shown
758PL	LH Operator - Opposite

1/2" ID Hole, w/ 1/8" Hub Projection

Part #	Description
804PR	RH Operator - Shown
804PL	LH Operator - Opposite

Philips Side Mount Operator
1/2" ID Hole, w/11/16" Hub Projection.
1 Per Card

Part #	Description
787CR	RH Operator - Shown
787CL	LH Operator - Opposite

1 Polybagged

Part #	Description
787PR	RH Operator - Shown
787PL	LH Operator - Opposite

Side Mount Operator
1/2" ID Hole, w/1/4" Hub Projection.
1 Per Card

Part #	Description
1712C	RH Operator - Shown
1713C	LH Operator - Opposite

1 Polybagged

Part #	Description
1712P	RH Operator - Shown
1713P	LH Operator - Opposite

Side Mount Operator
1/2" ID Hole, w/1/2" Hub Projection.
1 Per Card

Part #	Description
1716C	RH Operator - Shown
1717C	LH Operator - Opposite

1 Polybagged

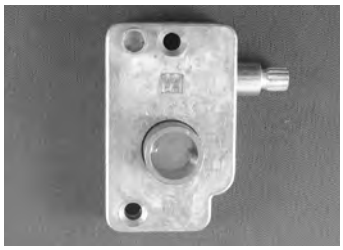
Part #	Description
1716P	RH Operator - Shown
1717P	LH Operator - Opposite

Side Mount Operator
1/2" ID Hole, w/11/16" Hub Projection.
1 Per Card

Part #	Description
1718C	RH Operator - Shown
1719C	LH Operator - Opposite

1 Polybagged

Part #	Description
1718P	RH Operator - Shown
1719P	LH Operator - Opposite



Side Mount Operator
1/2" ID Hole, w/1/2" Hub Projection.
1 Per Card

Part #	Description
808CR	RH Operator - Shown
808CL	LH Operator - Opposite

1 Polybagged

Part #	Description
808PR	RH Operator - Shown
808PL	LH Operator - Opposite

Side Mount Torque Bar Operator Kit
1/2" ID Hole, w/1/2" Hub Projection.
1 Per Card

Part #	Description
808CKR	RH Operator - Shown
808CKL	LH Operator - Opposite

1 Polybagged

Part #	Description
808PKR	RH Operator - Shown
808PKL	LH Operator - Opposite

Side Mount Operator
1/2" Hole, w/1/8" Hub Projection
1 Per Card

Part #	Description
747CR	RH Operator - Shown
747CL	LH Operator - Opposite

1 Polybagged

Part #	Description
747PR	RH Operator - Shown
747PL	LH Operator - Opposite

OPERATORS AND OPERATOR KITS

Side Mount Operator
3/8" Square w/1/8" Hub Projection
1 Per Card

Part #	Description
749CR	RH Operator - Shown
749CL	LH Operator - Opposite

1 Polybagged

Part #	Description
749PR	RH Operator - Shown
749PL	LH Operator - Opposite

RH Side Mount Operator
3/8" Square w/3/16" Hub Projection
1 Per Card

Part #	Description
733C	Non-Handed

1 Polybagged

Part #	Description
733P	Non-Handed

Slant Sill Side Mount Operator
3/8" Square w/1/4" Hub Projection.
1 Per Card

Part #	Description
715CR	RH Operator - Shown
715CL	LH Operator - Opposite

1 Polybagged

Part #	Description
715PR	RH Operator - Shown
715PL	LH Operator - Opposite

Side Mount Operator
3/8" Square with No Hub Projection (Flush)
1 Polybagged

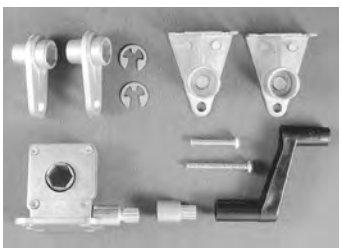
Part #	Description
1709P	Non-Handed

Side Mount Operator
1/2" ID Hole, w/1/8" Hub Projection.
1 Per Card

Part #	Description
751CR	RH Operator - Shown

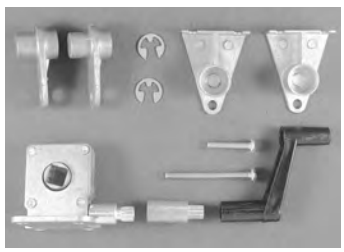
1 Polybagged

Part #	Description
751PR	RH Operator - Shown



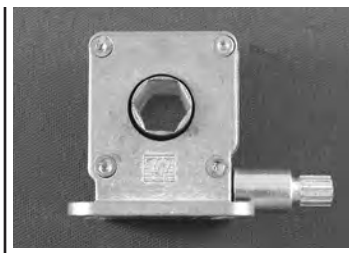
Center Mount Operator Kit w/3/8" Hex
1 Kit Per Card

Part #	Description
802CK	1-1/4" x 1" Mounting Holes



Center Mount Operator Kit w/5/16" Square
1 Kit Per Card

Part #	Description
803CK	1-1/4" x 1" Mounting Holes

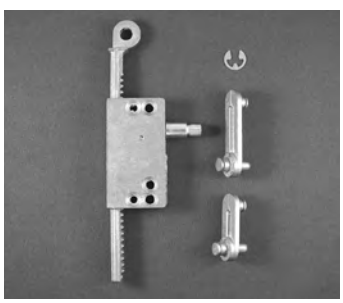


Center Mount Operator with 3/8" Hex
1 Per Card

Part #	Description
802C	1-1/4" x 1" Mounting Holes

1 Polybagged

Part #	Description
802P	1-1/4" x 1" Mounting Holes



Rack Operator with Links and E-Ring
1 Per Card

Part #	Description
800C	2-1/8" Mounting Holes

1 Kit Polybagged

Part #	Description
800P	2-1/8" Mounting Holes

Rack Gear Replacement Operator Kit
1 Kit Per Card

Part #	Description
800CK	2-1/8" or 1-25/32" cc Mounting Holes

1 Kit Polybagged

Part #	Description
800PK	2-1/8" or 1-25/32" cc Mounting Holes

Rack Gear Replacement Operator Kit
1 Kit Per Card

Part #	Description
816C	2-1/8" or 1-25/32" cc Mounting Holes

1 Kit Polybagged

Part #	Description
816P	2-1/8" or 1-25/32" cc Mounting Holes

Rack Gear Replacement Operator Kit
1 Kit Per Card

Part #	Description
801CK	1-25/32" cc Mounting Holes

1 Kit Polybagged

Part #	Description
801PK	1-25/32" cc Mounting Holes

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E-RINGS AND GROOVE PINS

E-Ring
8 Per Card

Part #	Description
325CE	Small 3/16"
328CE	Large 1/4"
324CE	X-Large 5/16"

8 Polybagged

Part #	Description
325PE	Small 3/16"
328PE	Large 1/4"
6-110	X-Large 5/16"

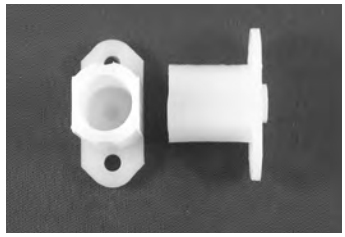
Groove Pin w/Clip
1 Per Card

Part #	Description
328C	Large 1/4"

1 Polybagged

Part #	Description
20-409	Large 1/4"

TORQUE BAR BEARINGS



Nylon Torque Bar Bearing
1 Per Card

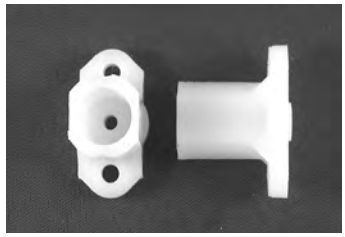
Part #	Description
763C	1/2" ID x 7/8" High

2 Per Card

Part #	Description
763C2	1/2" ID x 7/8" High

25 Polybagged

Part #	Description
763P	1/2" ID x 7/8" High



Nylon Torque Bar Bearing
1 Per Card

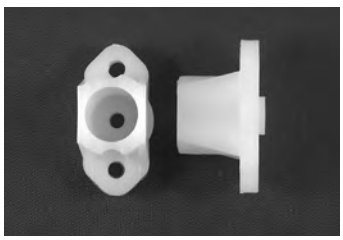
Part #	Description
784C	1/2" ID x 1-1/16" High

2 Per Card

Part #	Description
784C2	1/2" ID x 1-1/16" High

25 Polybagged

Part #	Description
784P	1/2" ID x 1-1/16" High



Nylon Torque Bar Bearing
1 Per Card

Part #	Description
1774C	1/2" ID x 3/4" High

2 Per Card

Part #	Description
1774C2	1/2" ID x 3/4" High

25 Polybagged

Part #	Description
1774P	1/2" ID x 3/4" High

Nylon Torque Bar Bearing
1 Per Card

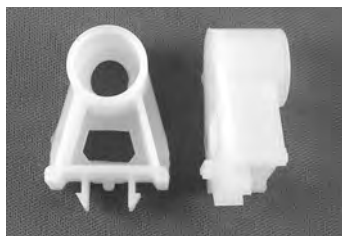
Part #	Description
1770C	1/2" ID x 3/4" High

2 Per Card

Part #	Description
1770C2	1/2" ID x 3/4" High

25 Polybagged

Part #	Description
1770P BLK	1/2" ID x 3/4" High

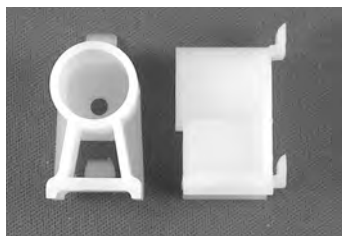


Nylon Torque Bar Bearing
2 Per Card

Part #	Description
1703C	1/2" ID

25 Polybagged

Part #	Description
1703P	1/2" ID



Nylon Philips Torque Bar Bearing
2 Per Card

Part #	Description
738C	1/2" ID

25 Polybagged

Part #	Description
738P	1/2" ID

Nylon Torque Bar Bearing
2 Per Card

Part #	Description
33-184C	Nylon Torque End Bearing

1 Per Poly Bag

Part #	Description
33-184	Nylon Torque End Bearing

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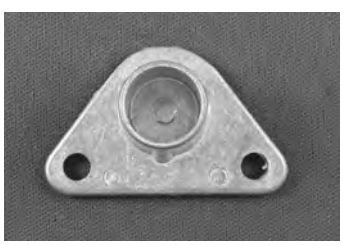


Metal Torque Bar Bearing 1/2" ID
1 Per Polybag

Part #	Description
719P	1-5/16" CC Mounting Holes

Torque Bar Bearing
2 Per Card

Part #	Description
1778C	Torque Bar Bearing

1 Per Poly Bag

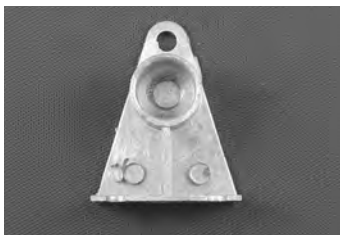
Part #	Description
1778P	Torque Bar Bearing

KINRO

Metal Torque Bar Bearing
1/2" ID
1 Per Polybag

Part #	Description
760P	7/8" x 9/16" Bottom Measurements

TORQUE BAR BEARINGS



Metal Torque Bar Bearing
1/2" ID
1 Per Polybag

Part #	Description
845P	7/8" cc Bottom Mounting Holes

TORQUE BAR BUSHING

Torque Bar Bushing
2 Per Card

Part #	Description
720C	Metal Torque Bar Bushing

1 Per Poly Bag

Part #	Description
720P	Metal Torque Bar Bushing

HEHR

TORQUE BAR ARMS

Metal Philips Torque Bar Arm
2 Per Card

Part #	Description
785C	1/2" ID / 1-11/16" Long

25 Polybagged

Part #	Description
785P	1/2" ID / 1-11/16" Long

Metal Torque Bar Arm
1 Per Polybag

Part #	Description
788P	For 1/2" OD Bar / 1-11/16" Long

Metal Torque Bar Arm
2 Per Card

Part #	Description
33-185C	Metal Torque Bar Arm

1 Per Poly Bag

Part #	Description
33-185	Metal Torque Bar Arm

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Metal Torque Bar Arm
1 Per Polybag

Part #	Description
724PS	3/8" Square / 1-9/16" Long

Metal Torque Bar Arm
2 Per Card

Part #	Description
33-191C	Short Torque Arm

1 Per Poly Bag

Part #	Description
33-191	Short Torque Arm

HEHR

Metal Torque Bar Arm
2 Per Card

Part #	Description
33-192C	Long Torque Arm

1 Per Poly Bag

Part #	Description
33-192	Long Torque Arm

HEHR

LINK ARMS

Metal Link Arm
2 Per Card

Part #	Description
33-193C	Short Link Arm

1 Per Poly Bag

Part #	Description
33-193	Short Link Arm

HEHR

Metal Link Arm
2 Per Card

Part #	Description
33-194C	Link Arm

1 Per Poly Bag

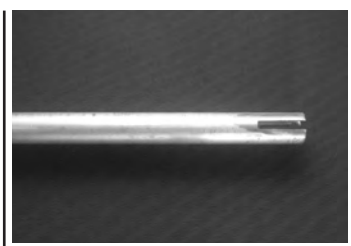
Part #	Description
33-194	Link Arm

KINRO

TORQUE BARS

Square Torque Bar
1 Per Polybag

Part #	Description
752PY	5/16" Dia. x 48" Long



Round Torque Bar
1 Per Polybag

Part #	Description
756PX	1/2" Dia. x 36" Long
756PY	1/2" Dia. x 48" Long

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VENT HINGES

Hehr Small Metal Vent Hinge
1 Pair Per Card

Part #	Description
729C	Vent Hinge

1 Per Polybag

Part #	Description
729P	Vent Hinge

Metal Vent Hinge w/Stud
1 Pair Per Card

Part #	Description
835C	4-3/8" Long

25 Polybagged

Part #	Description
835P	4-3/8" Long

Metal Vent Hinge without Stud
1 Pair Per Card

Part #	Description
836C	4-3/8" Long

25 Polybagged

Part #	Description
836P	4-3/8" Long

Metal Vent Hinge
1 Pair Per Card

Part #	Description
786C	3-7/8" Long

25 Polybagged

Part #	Description
786P	3-7/8" Long

WINDOW LATCH

Metal Vent Hinge
1 Pair Per Card

Part #	Description
826C	4-5/16" Long

25 Polybagged

Part #	Description
826P	4-5/16" Long

Metal Vent Hinge
1 Pair Per Card

Part #	Description
1749C	Metal Vent Hinge Set

1 Pair Per Polybag

Part #	Description
1749P	Metal Vent Hinge Set

KINRO

Philips Nylon Window Latch Set
1 Set Per Card

Part #	Description
1723C	Black Latch Set - LH/RH

1 Set Per Polybag

Part #	Description
1723P	Black Latch Set - LH/RH

Window Latch Set
2 Per Card

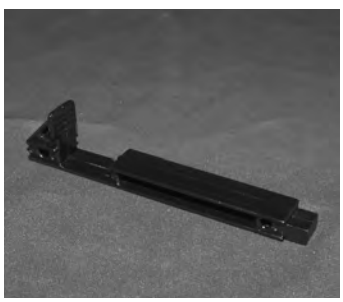
Part #	Description
90-1139C	Black Nylon

1 Per Poly Bag

Part #	Description
90-1139	Black Nylon

HEHR

UNIVERSAL SLIDE LATCH



Universal Slide Latch
2 Per Card

Part #	Description
46-365BC	Black Nylon

1 Per Poly Bag

Part #	Description
46-365B	Black Nylon

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LATCH ASSEMBLY

Latch Assembly
1 Per Card

Part #	Description
50-1131C	Black Nylon

1 Per Poly Bag

Part #	Description
50-1131	Black Nylon

KINRO

NYLON SASH LOCK BRACKET

Nylon Sash Lock Bracket
1 Per Card

Part #	Color
50-1451C	Black
50-1451RDC	Red

1 Per Poly Bag

Part #	Color
50-1451	Black
50-1451RD	Red

1-5/8" Tall
ATWOOD

Nylon Sash Lock Bracket
1 Per Card

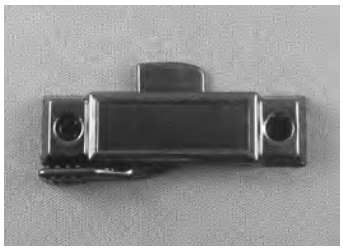
Part #	Color
50-1452C	Black
50-1452RDC	Red

1 Per Poly Bag

Part #	Color
50-1452	Black
50-1452RD	Red

2" Tall
ATWOOD

SASH LOCKS



Single Hung Black Sash Lock w/Screws
1 Per Card

Part #	Description
4290C BLK	2-1/4" cc Mounting Holes

1 Set Per Polybag

Part #	Description
50-603B	2-1/4" cc Mounting Holes

Single Hung Black Sash Lock w/Screws
1 Per Card

Part #	Description
50-766C	Black Nylon

1 Per Poly Bag

Part #	Description
50-766	Black Nylon

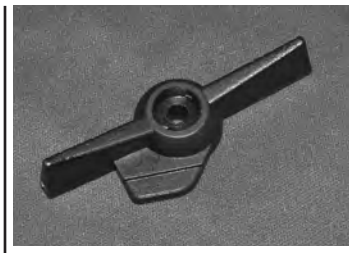
HEHR

Single Hung Sash Lock Assembly
1 Per Card

Part #	Description
1233C	Chrome Sash Lock - RH

5 Per Polybag

Part #	Description
50-624RHA	Chrome Sash Lock - RH



Black Plastic Sash Latch
1 Pair Per Card

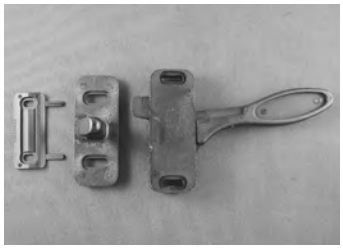
Part #	Description
50-1450C	RH/LH Pair

1 Per Poly Bag

Part #	Description
50-1450LH	LH Sash Latch (Shown)
50-1450RH	RH Sash Latch (Opposite)

HEHR

LEVER LATCHES



Philips Storm Door Lever Latch
1 Per Card

Part #	Description
17-180RHBC	RH Black - Shown
17-180LHBC	LH Black - Opposite

1 Per Polybag

Part #	Description
17-180RHB	RH Black - Shown
17-180LHB	LH Black - Opposite

Screen Door Lever Handle
1 Per Card

Part #	Description
17-192RHBC	RH Black - Shown

1 Per Polybag

Part #	Description
17-192RHB	RH Black - Shown

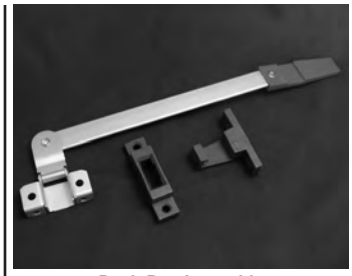
Amerimax Storm Door Lever Latch
1 Per Card

Part #	Description
17-166RHBC	RH Black - Shown
17-166LHBC	LH Black - Opposite

1 Per Polybag

Part #	Description
17-166RHB	RH Black - Shown
17-166LHB	LH Black - Opposite

PUSH BAR ASSEMBLY



Push Bar Assembly
1 Set Per Card

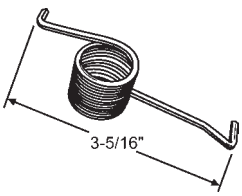
Part #	Description
29-270C	Red R/V Push Bar Assembly

1 Set Per Poly Bag

Part #	Description
29-270	Red R/V Push Bar Assembly

KINRO

METAL SPRING



1 Pair Per Card

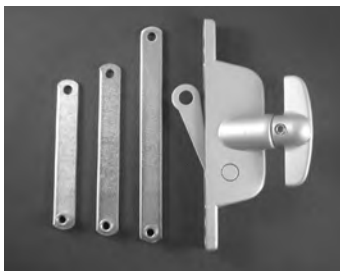
Part #	Description
5-124C	RH/LH Pair

1 Per Poly Bag

Part #	Description
5-124LH	LH Spring (Shown)
5-124RH	RH Spring (Opposite)

HEHR

JALOUSIE OPERATOR & HANDLE



Universal Kit - Aluminum Finish
1 Per Card

Part #	Description
4000CK	Jalousie Operator

1 Per Polybag

Part #	Description
41J-4000PK	Jalousie Operator

Jalousie Tee Handle
1 Per Card

Part #	Description
306CAJ	5/16" Aluminum

1 Per Polybag

Part #	Description
37-106	5/16" Aluminum

TRAILER LATCH

1 Per Card

Part #	Description
4244CA	Low Profile Trailer Lock w/Key

1 Per Polybag

Part #	Description
17-21KA	Low Profile Trailer Lock w/Key

Aluminum

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INSECT SCREENING

SCREEN SPLINE

Charcoal Fiberglass
1 Roll

Part #	Description
69-61-7	36" Wide x 7' Long

Hollow Round Gray Screen Spline
1 Per Card

Part #	Description
309C	.140 (9/64") dia. x 20 ft.
310C	.156 (5/32") dia. x 20 ft.

Hollow Round Black Screen Spline
1 Per Card

Part #	Description
309C BLK	.140 (9/64") dia. x 20 ft.
310C BLK	.156 (5/32") dia. x 20 ft.

Hollow Serrated Gray Screen Spline
1 Per Card

Part #	Description
2327C	.140 (9/64") dia. x 20 ft.

Hollow Serrated Black Screen Spline
1 Per Card

Part #	Description
2327C BLK	.140 (9/64") dia. x 20 ft.

INSTALLATION TOOL

Screen Installation Tool
1 Per Card

Part #	Description
1201C	1/16" Nylon Wheels
1202C	5/32" Nylon Wheels

Bulk

Part #	Description
59-10SP	1/16" Nylon Wheels
59-10	5/32" Nylon Wheels

RADIUS SCREEN CORNER

Radius Screen Corner
2 Per Card

Part #	Description
90-1136C	Black

1 Per Poly Bag

Part #	Description
90-1136	Black

HEHR

Radius Screen Corner
2 Per Card

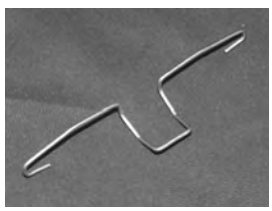
Part #	Description
90-1137C	Black

1 Per Poly Bag

Part #	Description
90-1137	Black

HEHR

SCREEN CLIP



Metal Screen Clip
2 Per Card

Part #	Description
90-1138C	Metal

1 Per Poly Bag

Part #	Description
90-1138	Metal

HEHR

CLIPS

Zee Clip w/Screws
6 Per Card

Part #	Description
350C	Metal / 1/8" Offset

CLIPS

Nylon Screen Clip w/Screws
6 Per Card

Part #	Description
492C	Flush
494C	1/16" Offset
495C	3/16" Offset
496C	1/4" Offset
497C	5/16" Offset
498C	3/8" Offset
499C	7/16" Offset

Nylon Screen Clip, No Screws
25 Polybagged

Part #	Description
90-834	Flush
90-78	1/16" Offset
90-381	3/16" Offset
90-837	1/4" Offset
90-332	5/16" Offset
90-379	3/8" Offset
90-380	7/16" Offset

Nylon Screen Clip w/Screws
6 Per Card

Part #	Description
490C	Flat, No Offset

Nylon Screen Clip No Screws
25 Polybagged

Part #	Description
90-77	Flat, No Offset

LAVATORY AND TUB STOPPER

Lavatory Stopper
1 Per Card

Part #	Finish
P-500C	Chrome
P-500WC	White

1 Poly Bag

Part #	Description
P-500	Chrome
P-500W	White

Tub Stopper
1 Per Card

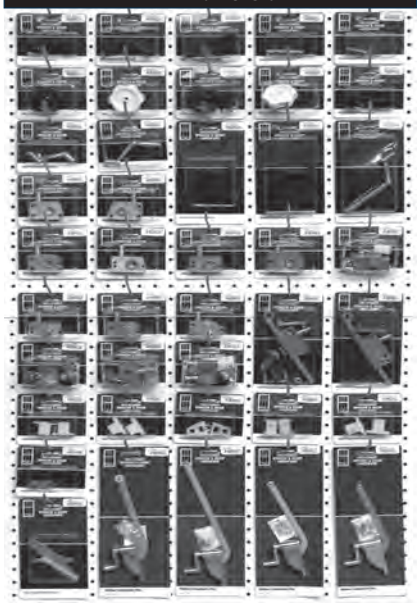
Part #	Finish
P-600C	Chrome
P-600WC	White

1 Poly Bag

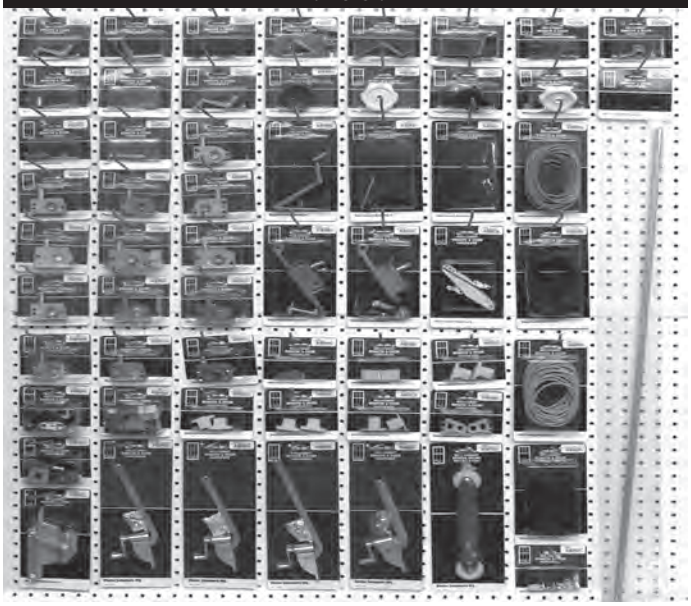
Part #	Description
P-600	Chrome
P-600W	White

6110
15" Window Hardware
Plan-O-Gram*

6111
25" Window Hardware
Plan-O-Gram*



6112
39" Window Hardware
Plan-O-Gram*



All plan-o-grams include a 16" x 9" header sign, standard peg hooks, and reorder cards for each SKU.

Part #	Description	Peg Qty.	6110	6111	6112
1202C	5/32" Screen Installation Tool w/ Nylon Wheels	3			*
1233C	Single Hung Chrome Sash Lock	3			*
1703C	Nylon 1/2" Torque Bar Bearing	3		*	*
1712C	RH Side Mount Operator 1/2" Hole, w/ 1/4" Hub Projection	3		*	*
1716C	RH Side Mount Operator 1/2" Hole, w/ 1/2" Hub Projection	3	*	*	*
1718C	RH Side Mount Operator 1/2" Hole, w/ 11/16" Hub Projection	3	*	*	*
1770C2	Nylon Torque Bar Bearing 3/4" High	3		*	*
1774C2	Nylon Torque Bar Bearing 3/4" High	3			*
309C	140 Hollow Round Gray Screen Spline	3			*
309C BLK	140 Hollow Round Black Screen Spline	3			*
310C	156 Hollow Round Gray Screen Spline	3			*
310C BLK	156 Hollow Round Black Screen Spline	3			*
4000CK	Universal Jalousie Operator Kit	3			*
4290C BLK	Miller Single Hung Black Sash Lock	3		*	*
492C	Flush Clear Plastic Screen Clip w/ Screw	3			*
712C BLK	3-3/16" Black Plastic Crank Handle w/ Screw	3	*	*	*
715CR	RH Slant Sill Side Mount Operator 3/8" Square w/ 1/4" Hub Projection	3		*	*
733C	RH Side Mount 3/8" Square, w/ 3/16" Hub Projection	3			*
735C	RH Side Mount Phillips Operator 1/2" Hole, w/ 3/16" Hub Projection	3	*	*	*
738C	Nylon Phillips Torque Bar Bearing	3	*	*	*
743C BLK	Black Plastic Knob Handle w/Screw	3	*	*	*
743C WHT	White Plastic Knob Handle w/ Screw	3	*	*	*
743CE BLK	Black Plastic Knob Handle w/Screw	3	*	*	*
743CE WHT	White Plastic Knob Handle w/ Screw	3	*	*	*
747CR	RH Side Mount Operator 1/2" Hole, w/ 1/8" Hub Projection	3		*	*
748C BLK	1-3/8" Black Plastic Crank Handle w/ Screw	3			*
749CR	RH Side Mount Operator 3/8" Square w/ 1/18" Hub Projection	3			*
750C BLK	2-1/4" Black Plastic Crank Handle w/ Screw	3		*	*
756PX	1/2" Diameter x 36" Round Torque Bar	3			*
761C	RH Slant Sill Side Mount Torque Operator 1/2" Hole, w/ 3/16" Hub Projection	3	*	*	*
762C	LH Slant Sill Side Mount Torque Operator 1/2" Hole, w/ 3/16" Hub Projection	3	*	*	*
763C2	Nylon 7/8" High Torque Bar Bearing	3		*	*
771C BLK	2-1/2" Black Plastic Crank Handle w/ Screw	3		*	*
781C	RH Side Mount Operator 1/2" Hole, w/ 1/2" Hub Projection	3			*
783C	Roof Vent Metal Crank Handle w/ Screw	3			*
784C2	Nylon 1-1/16" High Torque Bar Bearing	3		*	*
785C	Metal Phillips Torque Bar Arm	3		*	*
787CR	RH Side Mount Phillips Operator 1/2" Hole, w/ 11/16" Hub Projection	3	*	*	*
795C	1-3/4" Metal Crank Handle w/ Screw	3	*	*	*
796C	3-1/2" Metal Crank Handle w/ Screw	3	*	*	*
800CK	Rack Gear Replacement Operator Kit 2-1/8" cc Mounting	3	*	*	*
801ck	Rack Gear Replacement Operator Kit 1-25/32" cc Mounting	3	*	*	*
802ck	Center Mount Operator Kit 3/8" Hex, w/ 1" cc Mounting Holes	3	*	*	*
803ck	Center Mount Operator Kit 5/16" Square, w/ 1" cc Mounting Holes	3	*	*	*
806ck	Arm Gear Roof Vent Operator Kit, w/ 5-3/8" Arm 2-15/16" cc Mounting	3		*	*
807ck	Arm Gear Roof Vent Operator Kit, w/ 7-11/16" Arm 2-15/16" cc Mounting	3	*	*	*
808CKR	RH Side Mount Torque Bar Operator Kit, w/ 1/2" Hole, 1/2" Hub Projection	3	*	*	*
812CK	Center Mount Operator Kit 3/8" Hex, w/ 1" cc Mounting Holes	3		*	*
814CK	Arm Gear Roof Vent Operator Kit, w/ 7-11/16" Arm 2-15/16" cc Mounting	3	*	*	*
831C	1/2" Metal Extension w/ Screw	3			*
832C	7/8" Metal Extension w/ Screw	3			*
833C	1-1/8" Metal Extension w/ Screw	3		*	*
834C	2" Metal Extension w/ Screw	3	*	*	*
835C	Vent Hinge w/ Stud	3		*	*
838C BLK	1" Black Plastic Crank Handle w/ Screw	3	*	*	*
881C BLK	1-3/4" Black Plastic Crank Handle w/ Screw	3	*	*	*
889C	1" Metal Crank Handle w/ Screw	3	*	*	*
898ck	Arm Gear Roof Vent Operator Kit w/ 5-3/8" Arm, 2-15/16" cc Mounting	3		*	*
6110	15" Window Hardware Plan-o-gram				
6111	25" Window Hardware Plan-o-gram				
6112	39" Window Hardware Plan-o-gram				

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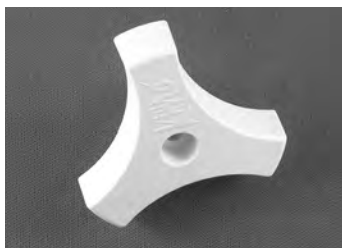
RV WINDOW HANDLE COUNTER DISPLAY

NEW

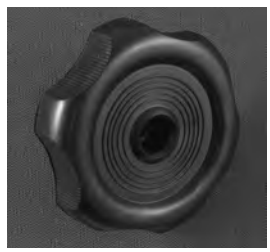
Each Display Contains 3 each of the following window handles.



2-1/8" Outside Diameter Kinro Knob Handle w/Screw

Part #	Description	Finish
710C WHT	9/16" Shaft	White
710C BLK	9/16" Shaft	White
710CE BLK	13/16" Shaft	Black

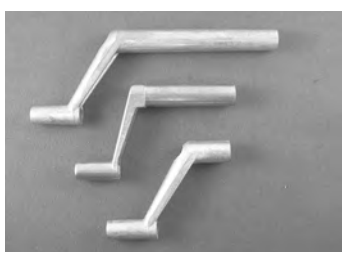
Plastic. White Shown



2-1/4" Outside Diameter Plastic Knob Handle w/Screw

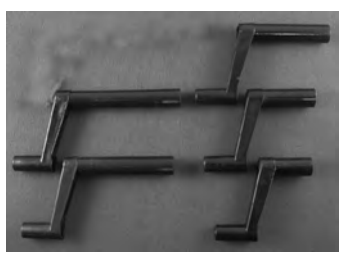
Part #	Description	Finish
743C WHT	5/16" Shaft	White
743CE WHT	7/8" Shaft	White
743C BLK	5/16" Shaft	Black
743CE BLK	7/8" Shaft	Black

Plastic. Black Shown



Metal Crank Handle w/Screw

Part #	Description
889C	1" Metal Crank
795C	1-3/4" Metal Crank
796C	3-1/2" Metal Crank



Black Plastic Crank Handle w/Screw

Part #	Description
838C BLK	1" Plastic Crank
881C BLK	1-3/4" Plastic Crank
750C BLK	2-1/4" Plastic Crank
771C BLK	2-1/2" Plastic Crank
712C BLK	3-3/16" Plastic Crank

Part #500-400

RV WINDOW HANDLE SPINNING COUNTER DISPLAY - Attention RV Dealers

Make life easier for your customers by displaying the most popular RV window handles on your counter. Our spinning rack display includes (15) SKU's packaged for retail. Display also includes black, plastic spinning rack display that takes up little room on your retail counter.

The benefit to your customers is that they will be able to easily identify the RV window handle they need. Spinning display comes with window handles with different finishes (white, black, mill) and includes peg hooks and sign.

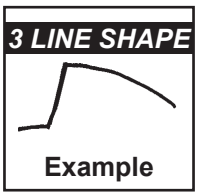
For more information, contact your account manager.

Additional RV Displays Available!

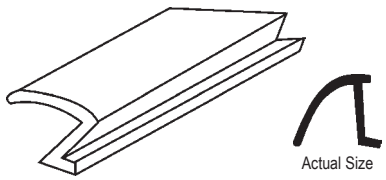
Call Your Account Manager for Details.

SNAP-IN-VINYL GLAZING BEAD

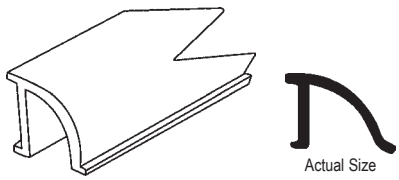
Glazing bead is grouped by shape. Sold per foot - Available in 6ft. lengths unless otherwise specified, minimum 120'



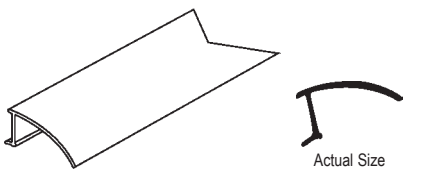
Please Consult Your Representative for Additional Colors, Styles and Sizes



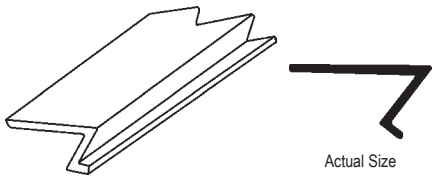
Part #	Color
65-30	White
65-29	Lt. Gray



Part #	Color
65-26	Dk. Gray
65-25	White

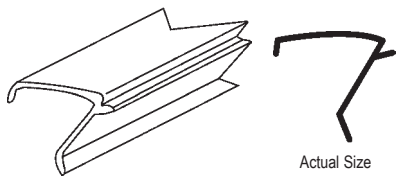


Part #	Color
65-8	Brown
65-8W	White



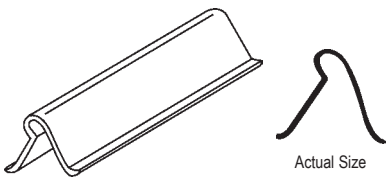
Part #	Color
65-1	Lt. Gray
65-59	Black
65-1BG	Beige

PORTALUME



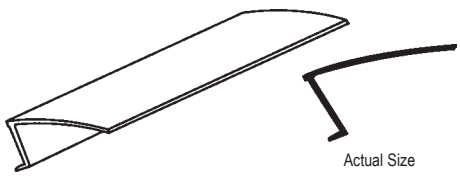
Part #	Color
65-69	Brown
65-69W	White

CAPITOL - 800 SERIES



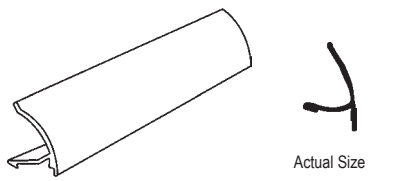
Part #	Color
65-60	White
65-60B	Black

DECO



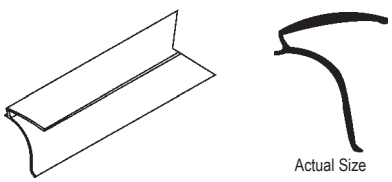
Part #	Color
65-61	White
65-61B	Black

SILVER LINE

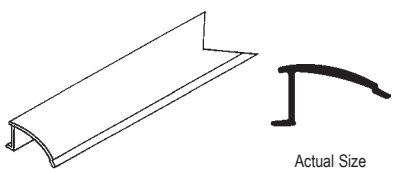


Part #	Color
65-66	Gray
65-67	White

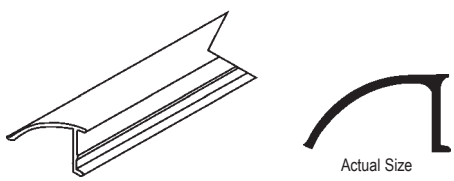
Muntin Bar Bead Refer to page 296.
Used on 65-36 Bead Only - All 6" Lengths



Part #	Color
65-78B	Black
65-78W	White

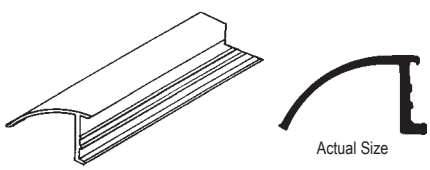


Part #	Color
900-16303	Gray
900-16303W	White



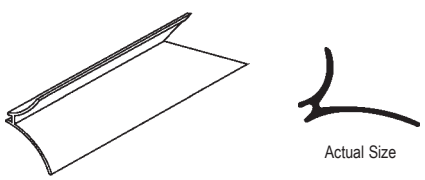
Part #	Color
900-11480	Brown
900-11480W	White

CAPITOL



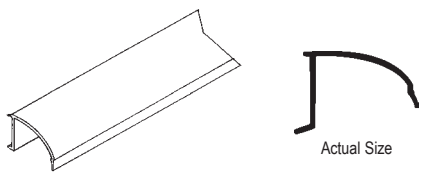
Part #	Color
900-11481	Brown
900-11481W	White

CAPITOL



Part #	Color
900-14895	Black
900-14895W	White

KRESTMARK



Part #	Color
900-16724	White
900-16724DB	Bronze

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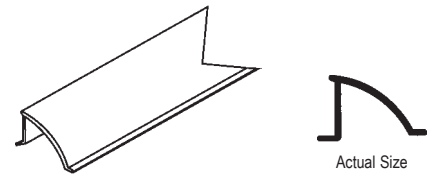
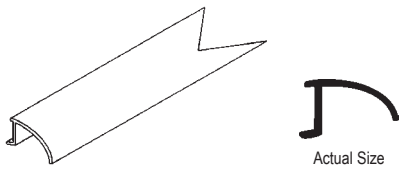
SNAP-IN-VINYL GLAZING BEAD

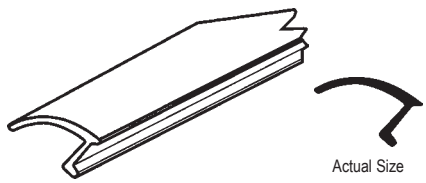
Glazing bead is grouped by shape. Sold per foot - Available in 6ft. lengths unless otherwise specified, minimum 120'



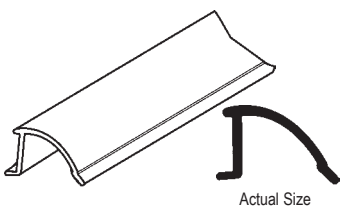
Part #	Color
900-16422	White
900-16422BK	Black
900-16422DB	Dark Bronze
900-16422G	Gray



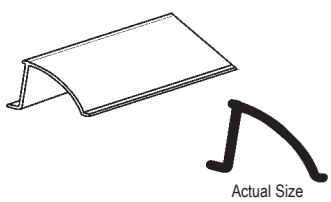
Part #	Color
900-16344	Gray
900-16344B	Black
900-16344DB	Dark Bronze
900-16344W	White



Part #	Color
65-4	White
65-5	Lt. Gray
65-4BR	Bronze

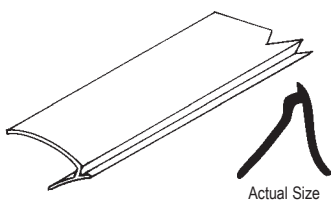


Part #	Color
65-352	White

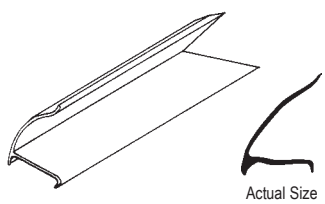


Part #	Color
65-595BZ	Bronze

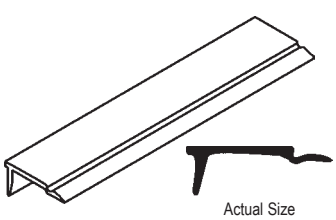
GENERAL ALUMINUM



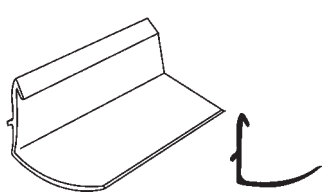
Part #	Color
900-17190	White



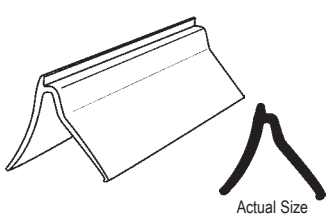
Part #	Color
900-18492	White



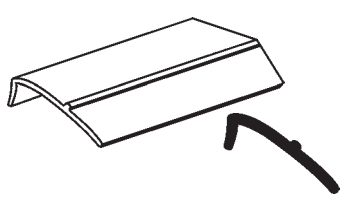
Part #	Color
900-17870	White
900-17870BZ	Bronze



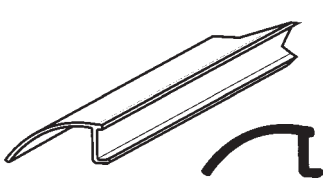
Part #	Color
900-11015DB	Bronze
900-11015W	White



Part #	Color
65-350W	White
65-350BZ	Bronze

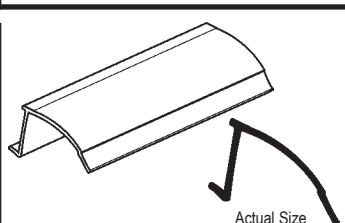


Part #	Color
900-21521	Black



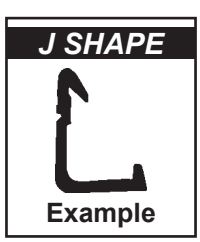
Part #	Color
65-466	White

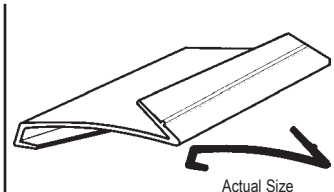
VE ANDERSON



Part #	Color
65-613	White

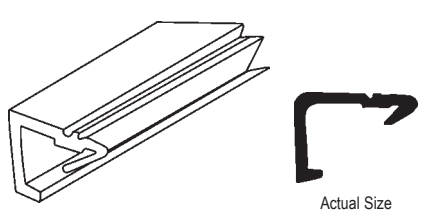
Sold by the foot in 6' Lengths 120' Minimum





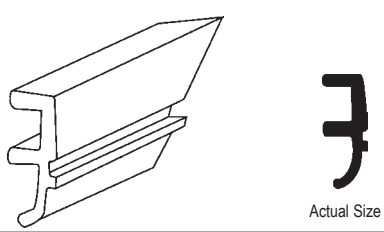
Part #	Color
65-321B	Black
65-321W	White

ALENCO

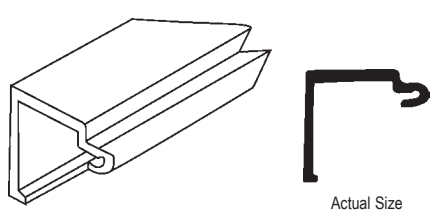


Part #	Color
65-42	Black
65-42W	White

REYNOLDS



Part #	Color
65-44	Lt. Gray



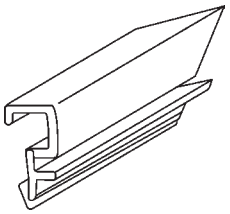
Part #	Color
65-20	White

KELLER

Note: Large minimum required

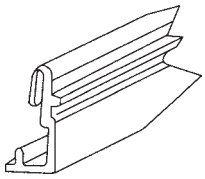
SNAP-IN-VINYL GLAZING BEAD

Glazing bead is grouped by shape. Sold per foot - Available in 6ft. lengths unless otherwise specified, minimum 120'



Actual Size

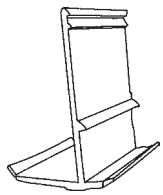
Part #	Color
65-45	White
65-46	Brown



Actual Size

Part #	Color
65-48	Brown
65-48LBR	Light Brown
65-49	White

PENNCO

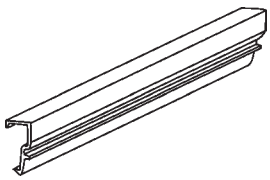


Actual Size

Part #	Color
65-367	Gray

Dual Durometer. Sold in 8' Length with 15 Length Minimum

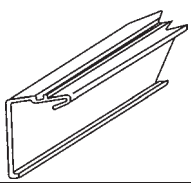
CRESTLINE/PEACHTREE



Actual Size

Part #	Color
65-57	Brown
65-58	White

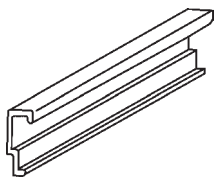
CAPITOL



Actual Size

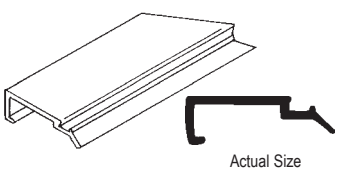
Part #	Color
65-47	Brown
65-47W	White

PENNCO

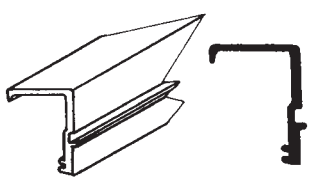


Actual Size

Part #	Color
65-50	White

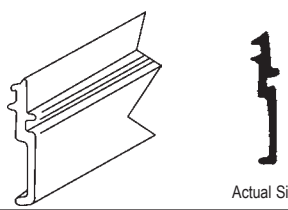

Actual Size

Part #	Color
65-52	White
65-52B	Black


Actual Size

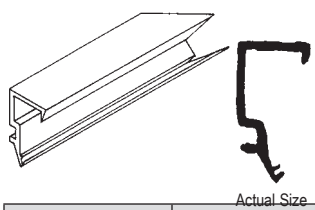
Part #	Color
900-9093	White

CAPITOL

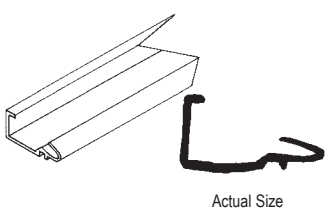

Actual Size

Part #	Color
900-8745	Black

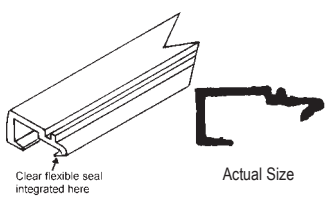
ACORN


Actual Size

Part #	Color
900-16144	Dark Bronze


Actual Size

Part #	Color
900-17559	Black

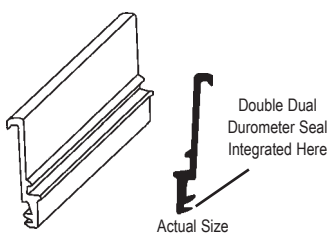

Clear flexible seal integrated here

Actual Size

Part #	Color
900-12029W	White
900-12029	Bronze

Dual Durometer

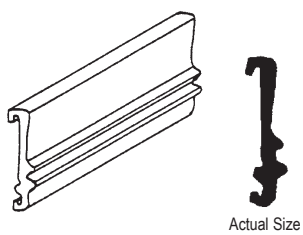
PENNCO


Double Dual Durometer Seal Integrated Here

Actual Size

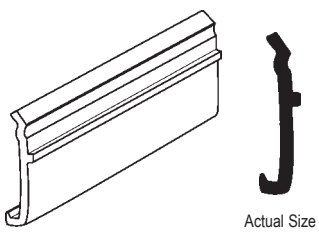
Part #	Color
65-101NS	Black

ACORN 2300 SERIES


Actual Size

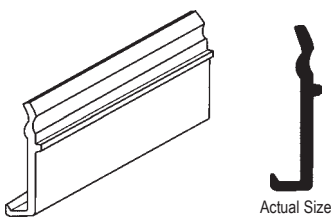
Part #	Color
65-101	Black

ACORN 2300 SERIES


Actual Size

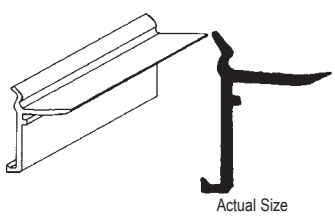
Part #	Color
65-104	Black
65-104W	White

ACORN 2300 SERIES


Actual Size

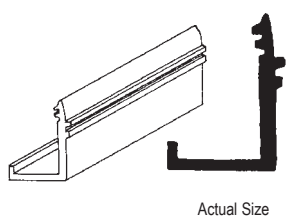
Part #	Color
65-106	Black
65-106W	White

ACORN 2900 SERIES


Actual Size

Part #	Color
65-105	Black
65-105W	White

ACORN 2300/3300 SERIES

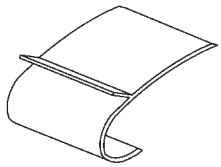

Actual Size

Part #	Color
65-108	Black

AZA SALES
TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

SNAP-IN-VINYL GLAZING BEAD

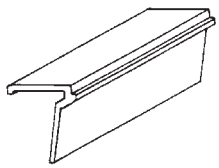
Glazing bead is grouped by shape. Sold per foot - Available in 6ft. lengths unless otherwise specified, minimum 120'



Actual Size

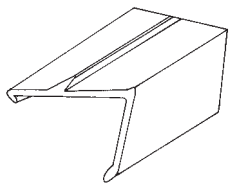
Part #	Color
65-88	Gray
65-88BZ	Bronze

Part #	Color	Length
65-168	Bronze	50-1/2"



Actual Size

Part #	Color
65-89B	Black
65-89BZ	Bronze
65-89W	White

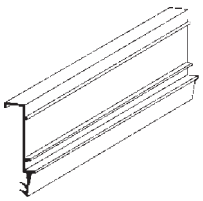


Actual Size

Part #	Color
65-90	White

Dual Durometer. Old Wenco Bead Cut 6' Lengths

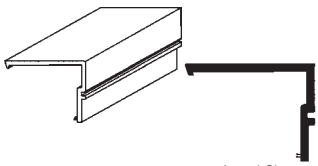
WENCO



Actual Size

Part #	Color
900-11865	Black
900-11865W	White

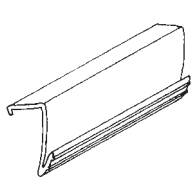
ACORN



Actual Size

Part #	Color
900-11563	Brown
900-11563W	White

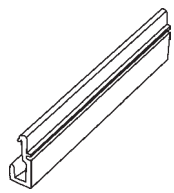
Dual Durometer



Actual Size

Part #	Color
900-16067	White
900-16067AG	Adobe Gray
900-16067B	Black

ACORN

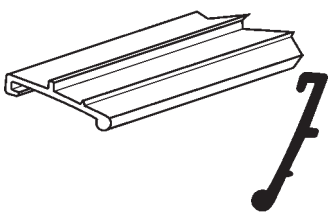


Actual Size

Part #	Color
900-17496	White
900-17496BZ	Bronze

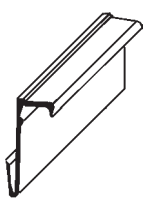
Dual Durometer

PENNCO



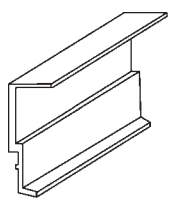
Actual Size

Part #	Color
900-20445	Black



Actual Size

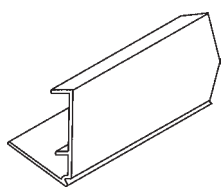
Part #	Color
900-18453BL	Black
900-18453W	White



Actual Size

Part #	Color
900-18550	White

Winterseal

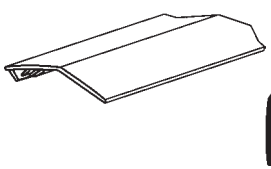


Actual Size

Part #	Color
65-531W	White
65-531BZ	Bronze

For Insulated Glass

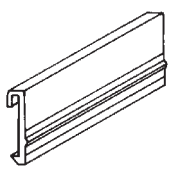
MILESTONE/FLORIDA EXTRUDERS



Actual Size

Part #	Color
65-444B	Black

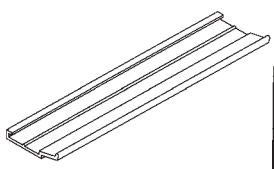
ALUMINUM INDUSTRIES



Actual Size

Part #	Color
900-17499	White
900-17499BR	Brown

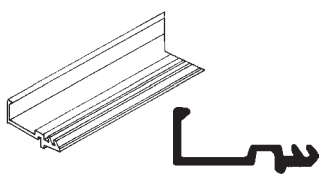
PENNCO



Actual Size

Part #	Color
900-17510	White

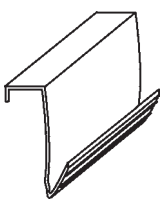
Head Vinyl Glazing Stop



Actual Size

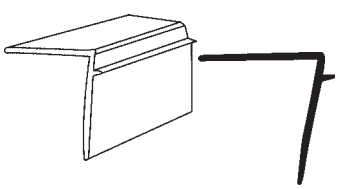
Part #	Color
900-8744	Black

Dual Durometer



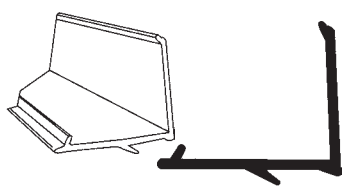
Actual Size

Part #	Color
65-135	White
65-135AG	Adobe Gray



Actual Size

Part #	Color
65-240W	White

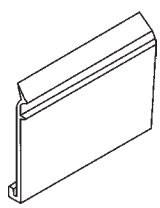


Actual Size

Part #	Color
65-365W	White

Sold in 8' Lengths w/ 15 Length Minimum

BARBER & ROSS

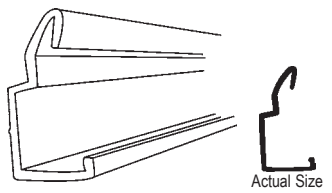


Actual Size

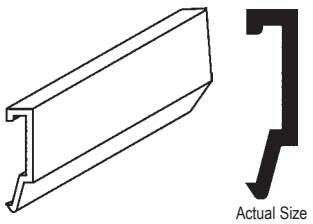
Part #	Color
65-132	Black
65-132W	White

SNAP-IN-VINYL GLAZING BEAD

Glazing bead is grouped by shape. Sold per foot - Available in 6ft. lengths unless otherwise specified, minimum 120'



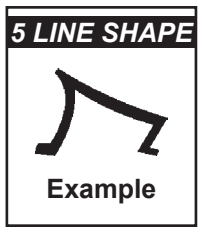
Part #	Color
900-15383	Dark Gray

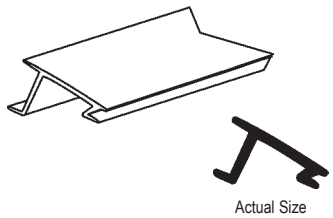


Part #	Color
65-545W	White

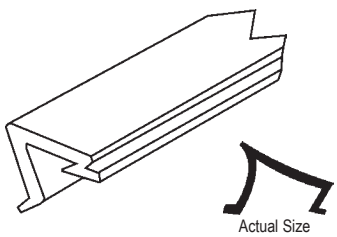
Sold in 8' Lengths w/ 15 Length Minimum

VEKA





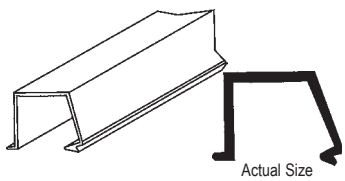
Part #	Color
900-10477W	White



Part #	Color
65-41	White
65-40	Lt. Gray

Part #	Color
65-32BR	Bronze
65-32	Brown
65-33	White
65-43	Black

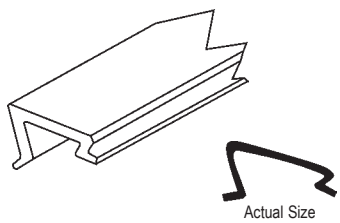
CROSSLY



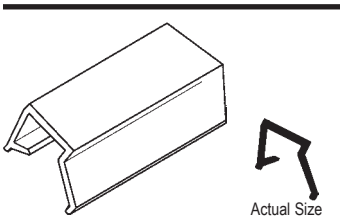
Part #	Color
65-533W	White
65-533BZ	Bronze

For Single Pane Glass

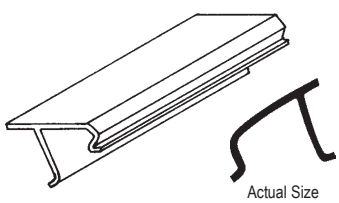
MILESTONE 1000 SERIES/ FLORIDA EXTRUDERS



Part #	Color
65-28	White
65-27	Black

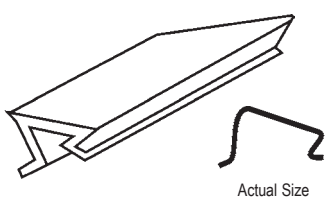


Part #	Color
65-281W	White
65-281TN	Tan

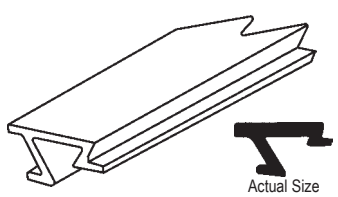


Part #	Color
900-12920	White
900-12920BZ	Bronze

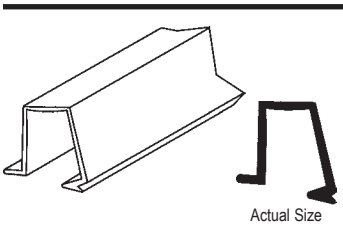
ROLLYSON 2000 SERIES



Part #	Color
65-16	Black
65-15	Brown



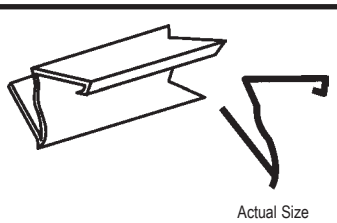
Part #	Color
65-17	Lt. Gray
65-12	Black
65-3	White



Part #	Color
65-532W	White

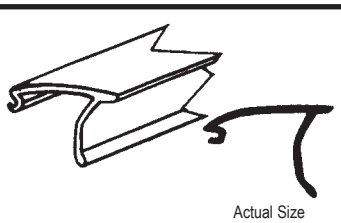
For Impact Glass

MILESTONE/FLORIDA EXTRUDERS



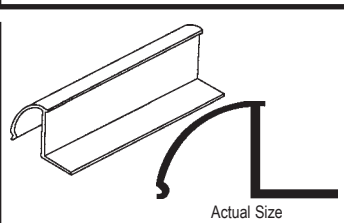
Part #	Color
65-71	Black
65-71W	White

BINNINGS



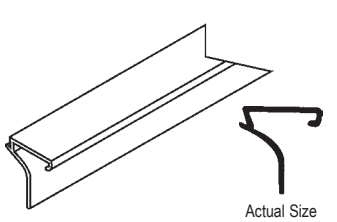
Part #	Color
900-8668	White
900-8668B	Black

BINNINGS

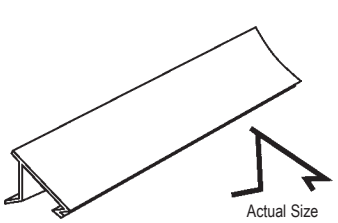


Part #	Color
900-16683	White
900-16683BZ	Bronze

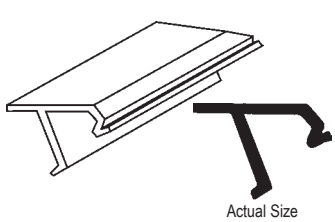
BELLVIEW



Part #	Color
900-17038	Black
900-17038W	White

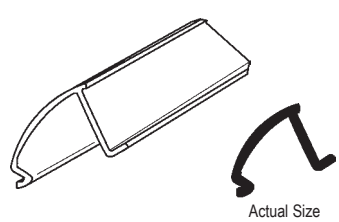


Part #	Color
65-87	Gray
65-87B	Black



Part #	Color
900-10613	Bronze
900-10613W	White

ROLLYSON



Part #	Color
65-85	White
65-85BZ	Bronze

CE

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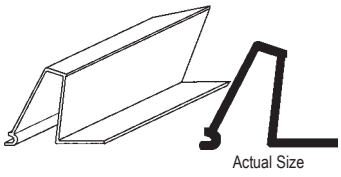
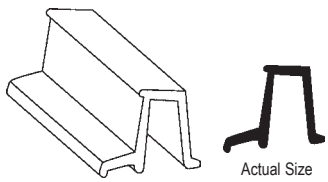
SNAP-IN-VINYL GLAZING BEAD

Glazing bead is grouped by shape. Sold per foot - Available in 6ft. lengths unless otherwise specified, minimum 120'



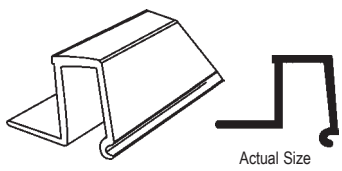
Part #	Color
65-384W	White
65-384B	Black
65-384BRZ	Bronze

Come in 6' Length 144' Minimum

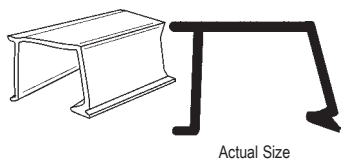


Part #	Color
900-14969BL	Black
900-14969	White
900-14969BZ	Bronze

PHILIPS/AIR CONTROL

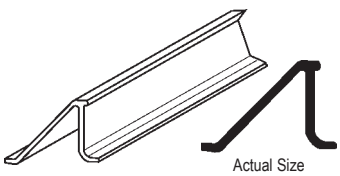


Part #	Color
900-19000	Black
900-19000BR	Brown
900-19000BZ	Bronze
900-19000W	White



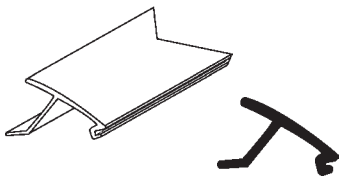
Part #	Color
65-467W	White

MILESTONE 2000 SERIES FLORIDA EXTRUDERS



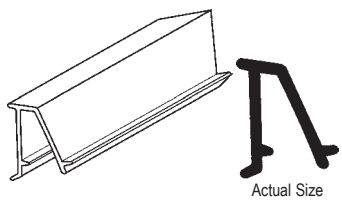
Part #	Color
900-18979	Gray
900-18979BZ	Bronze
900-18979W	White

144' Minimum. Order in Multiples of 144'



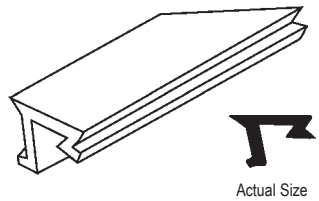
Part #	Color
65-564B	Black
65-564W	White

MILCO



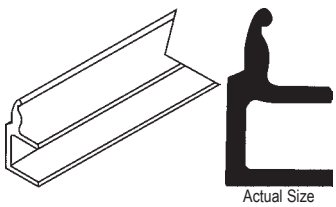
Part #	Color
65-253B	Black
65-253W	White

ALCAN/ANDERSON

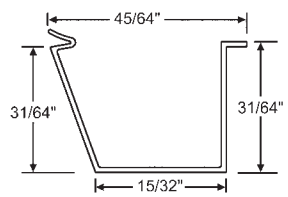


Part #	Color
65-11	Black

AIRMASTER

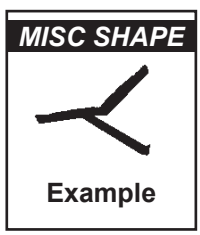


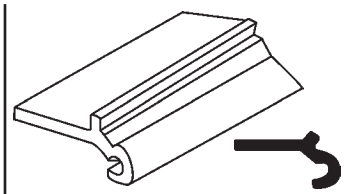
Part #	Color
900-13327	Black



Part #	Color
65-488W	White
65-488BZ	Bronze

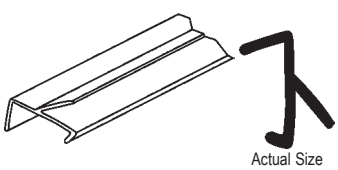
MILESTONE/FLORIDA EXTRUDERS





Part #	Color
65-39	Lt. Gray

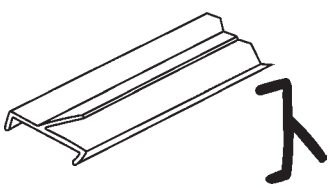
CAPITOL



Part #	Color
65-84B	Black
65-84BZ	Bronze
65-84WH	White

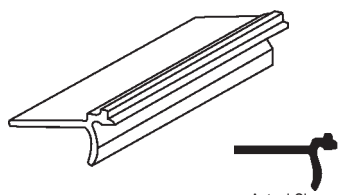
Sold in 6' Lengths/120' Minimum

VE ANDERSON/ALCAN



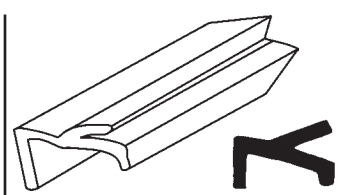
Part #	Color
65-83	Black

VE ANDERSON



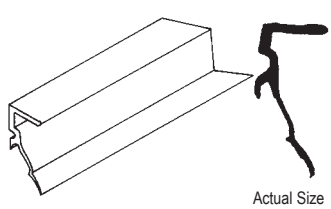
Part #	Color
65-91	White
65-91B	Black

ROLLYSON 1500 SERIES



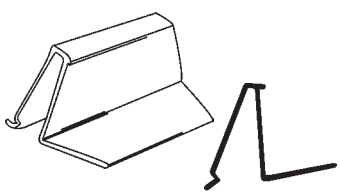
Part #	Color
65-6	White
65-7	Black

V.E. ANDERSON



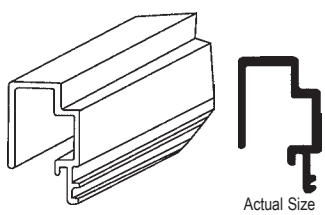
Part #	Color
900-14844	White

WINTERSEAL



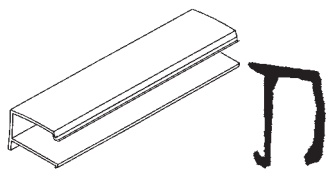
Part #	Color
900-9954	Black
900-9954W	White

KELLER



Part #	Color
900-11386	Black

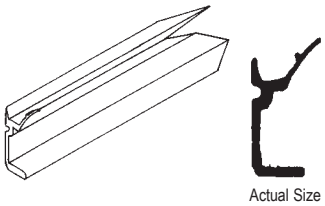
ACORN 2300 SERIES



Part #	Color
900-18970BL	Black
900-18970W	White

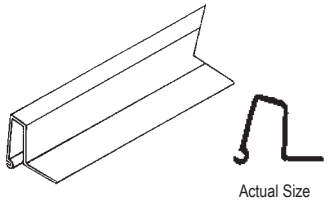
SNAP-IN-VINYL GLAZING BEAD

Glazing bead is grouped by shape. Sold per foot - Available in 6ft. lengths unless otherwise specified, minimum 120'

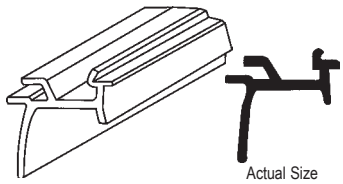


Part #	Color
900-15075	White

WINTERSEAL

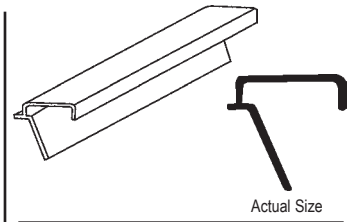


Part #	Color
900-16343	Bronze
900-16343W	White

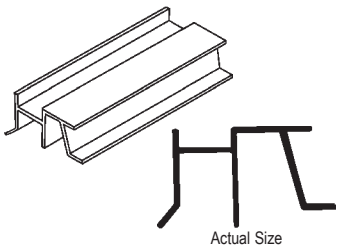


Part #	Color
900-20292	White
900-20292BR	Brown

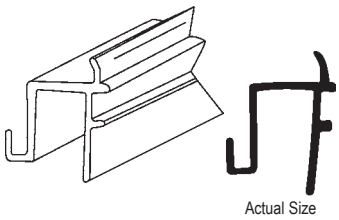
ROLLYSON 2500 SERIES



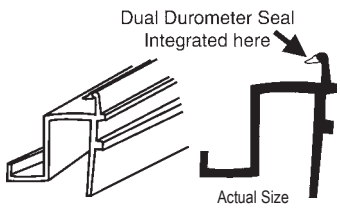
Part #	Color
65-64	Brown
65-64W	White



Part #	Color
65-53	White

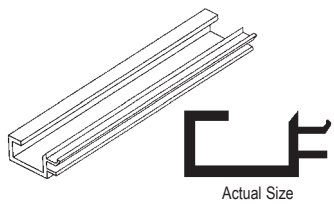


Part #	Color
65-70	White
65-70DB	Dark Bronze



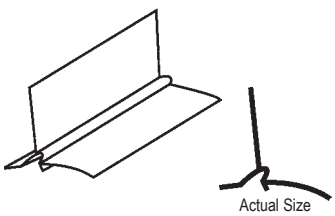
Part #	Color
900-20713W	White

Dual Durometer



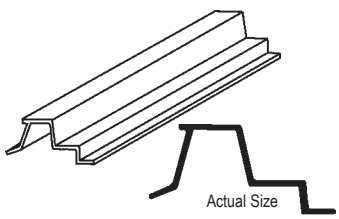
Part #	Color
900-14823	White
900-14823B	Black

HOWARD

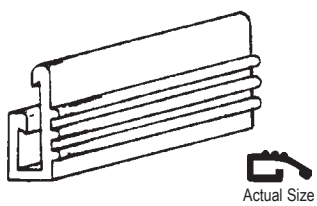


Part #	Color
900-20293	White

ROLLYSON

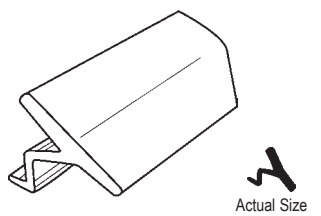


Part #	Color
65-55	White

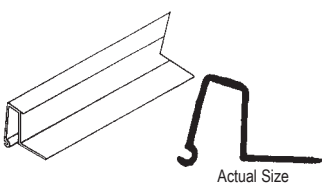


Part #	Color
65-31W	White
65-31	Dark Gray

CAPITOL

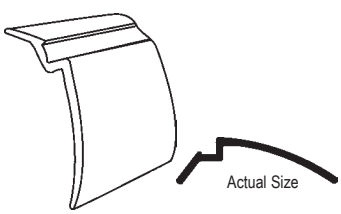


Part #	Color
900-21518	Black
900-21518G	Gray



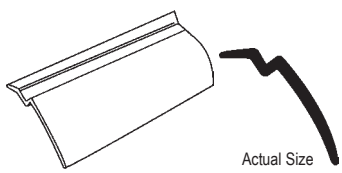
Part #	Color
900-16225	White
900-16225BZ	Bronze

Keller, Single Hung 76,
General Aluminum & Krestmark

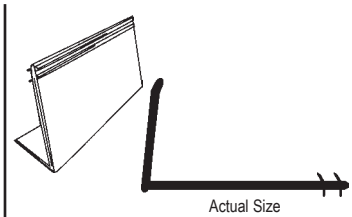


Part #	Color
65-213W	White

PHILIPS

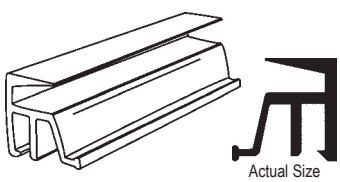


Part #	Color
65-456W	White
65-456TN	Tan
65-456BZ	Bronze



Part #	Color
65-183W	White

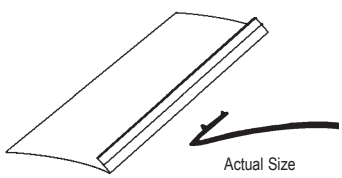
HURD/RIVCO



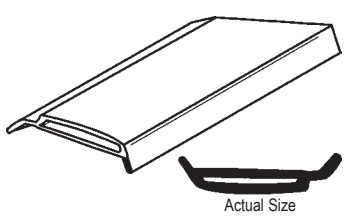
Part #	Color
65-112	Black

Sold by the foot in 8' Length.
120' minimum (15 lengths)

TRACO

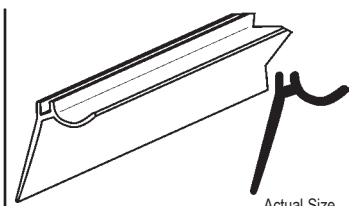


Part #	Color
900-16212	White
900-16212B	Black
900-16212BG	Beige



Part #	Color
65-514W	White

PGT

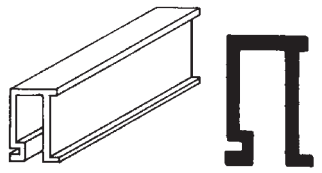


Part #	Color
900-18869	White

AZA SALES
TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

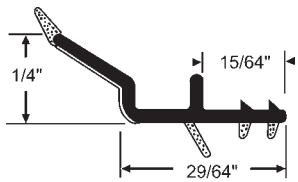
SNAP-IN-VINYL GLAZING BEAD

Glazing bead is grouped by shape. Sold per foot - Available in 6ft. lengths unless otherwise specified, minimum 120'



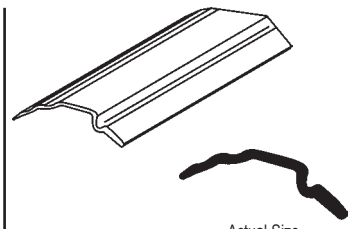
Part #	Color
900-9953NEW	Black
900-9953NW	White

New style
KELLER



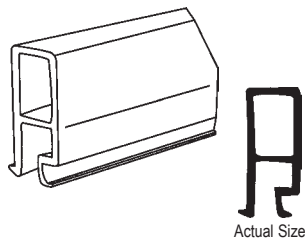
Part #	Color
900-14617	White
900-14617BG	Beige
900-14617BZ	Bronze

All 8' Lengths.
NORCO/VETTER/JELD-WEN



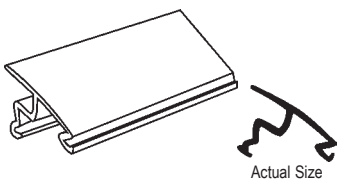
Part #	Color
65-515W	White

All 8' Lengths.
PGT



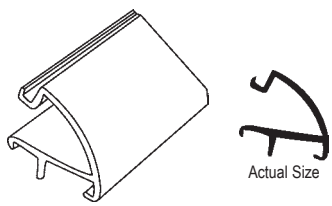
Part #	Color
65-235W	White

ACORN

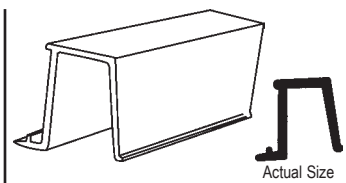


Part #	Color
65-241W	White

KINRO/ACORN

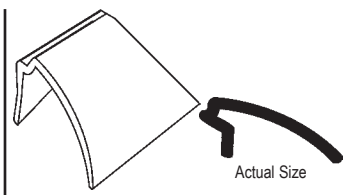


Part #	Color
65-95	White



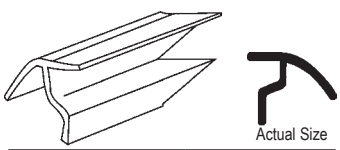
Part #	Color
900-18974BL	Black
900-18974BZ	Bronze
900-18974W	White

PHILIPS



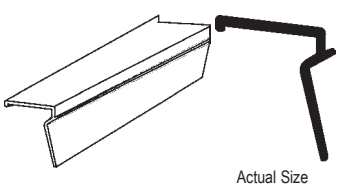
Part #	Color
65-318W	White

KINRO/ACORN

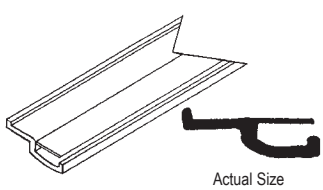


Part #	Color
65-73	White
65-73B	Black
65-73BZ	Bronze
65-73G	Gray

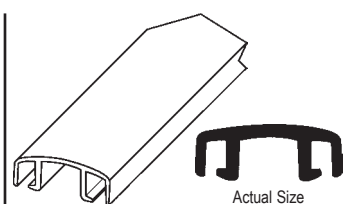
CROFT



Part #	Color
900-19291DB	Dark Bronze
900-19291WH	White

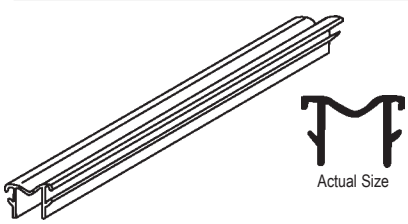


Part #	Color
900-20135	Brown
900-20135W	White

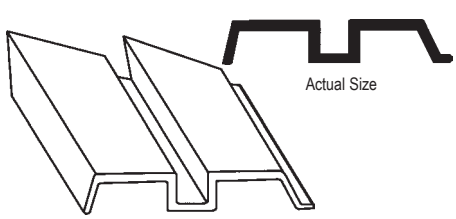


900-11139
Black 6' Lengths 120' Minimum
ACORN

TRACKS

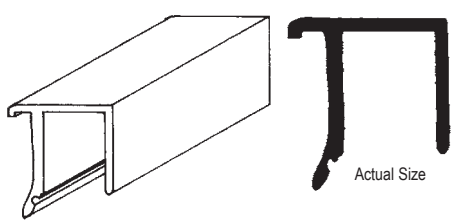


Part #	Color
65-65	Black



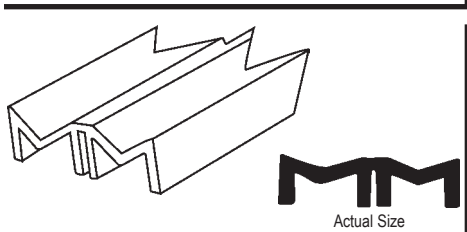
Part #	Color
65-68	Charcoal

CAPITOL

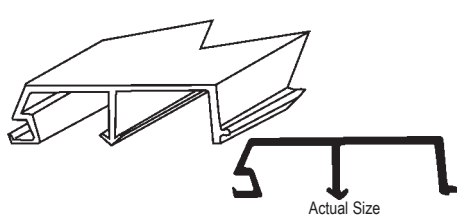


Part #	Color
65-81W	White

SEASONALL

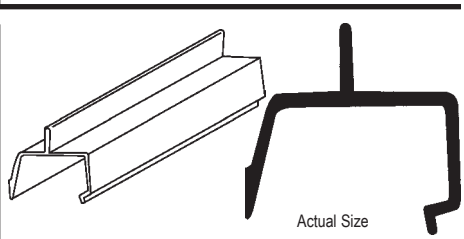


Part #	Color
65-9	White
65-10	Black



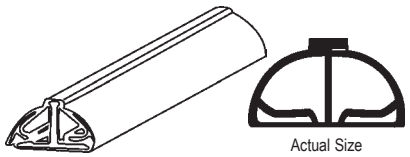
Part #	Color
65-63	Light Gray

CAPITOL



Part #	Color
65-56	Black

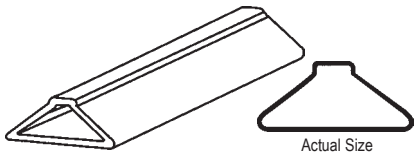
MUNTIN BARS



Part #	Color
65-36	White with White bead

Sold by the Foot.
120' Minimum

Note: All 6' Lengths
CAPITOL



Part #	Color
65-37	White

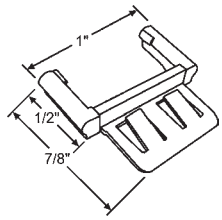
Sold by the Foot.
120' Minimum

Aluminum. All 8' Lengths

PLUNGER

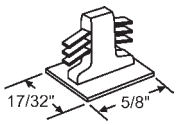
90-1024
Nylon

MUNTIN CLIPS

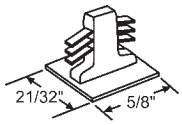


90-852
White
ALCAN/NORANDEX

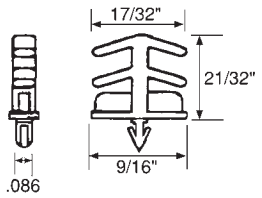
MUNTIN CLIPS



90-1022B
Black

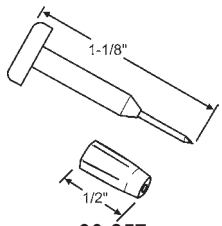


90-1023B
Black

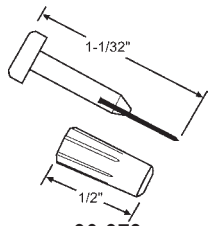


90-630
White Nylon

GRILLE PINS



90-857
Clear Plastic w/ Steel Shaft



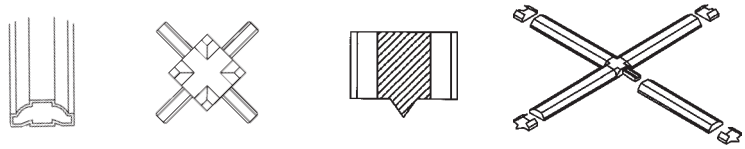
90-973
Clear Plastic w/ Steel Shaft

WINDOW GRILLE KIT

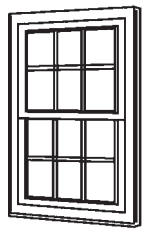
The window grille kit is simple to install and easy to remove for cleaning at a fraction of the typical cost. The kit contains enough material for a standard size window or door including: **12 pieces of 24" Profile, 8 "X" Connectors and 16 Fasteners.**

The Window Grille Kit can be used on wood, vinyl or aluminum materials. These attractive profiles are currently available in white only.

90-516

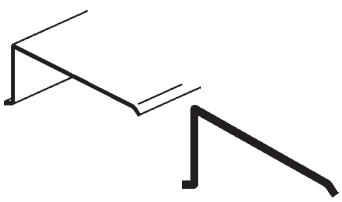


profile + connectors + fasteners + together =



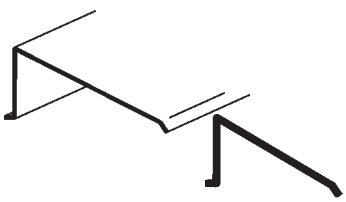
METAL GLAZING BEAD

Sold by Length - 72" = 1 Length. Minimum 10 Lengths Unless Otherwise Specified



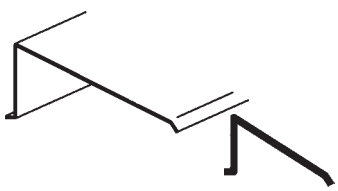
Part #	Color
65-516W	White

PGT



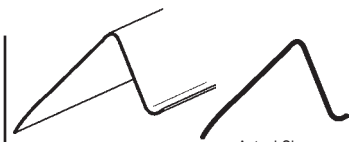
Part #	Color
65-517W	White

PGT



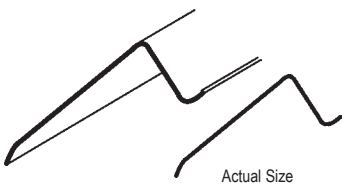
Part #	Color
65-518W	White

PGT



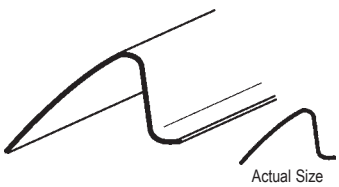
Part #	Color
65-158-6	Aluminum
65-159-6	Bronze
65-160	White
65-160B	Black

Single Hung
YALE



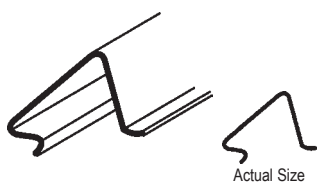
Part #	Color
65-161-6	Aluminum
65-161W-6	White

Awning Type Window
YALE



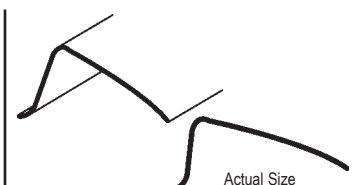
Part #	Color
65-154-6	Aluminum
65-155-6	White

Single Hung
HARCAR



Part #	Color
65-163-6	Aluminum

Single Hung
ABC/CROWN/TUCKER



Part #	Color
65-164	Aluminum
65-164W	White

Single Hung
KINCO

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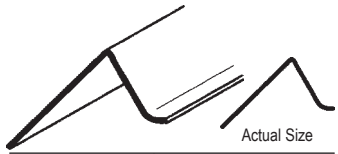
WWW.AZAHARDWARE.COM

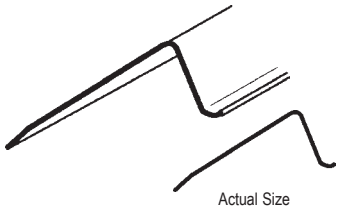
METAL GLAZING BEAD

Sold by Length - 72" = 1 Length. Minimum 10 Lengths Unless Otherwise Specified



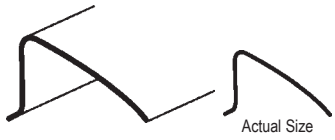
Part #	Color
65-143	Aluminum
65-144	White
65-145	Bronze

Single Hung
PAN AM



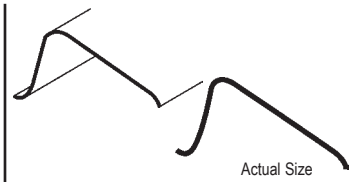
Part #	Color
65-146	Aluminum

Awning Type Window
PAN AM



Part #	Color
65-156-6	Aluminum
65-157-6	White
65-156BZ-6	Bronze

Awning Type Window
HARCAR



Part #	Color
65-166-6	Aluminum
65-167-6	Bronze

Single Hung
SECURITY

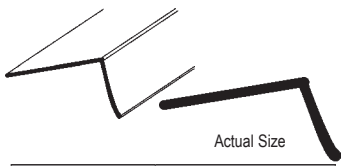
Awning Type Window
SUPERIOR

Part #	Color
65-117	Mill

6' Length

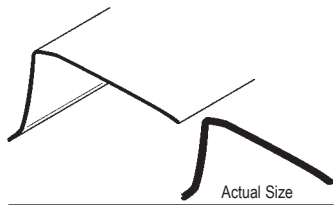
Part #	Color
65-460	Mill
65-461	Bronze
65-462	White

PAN AM

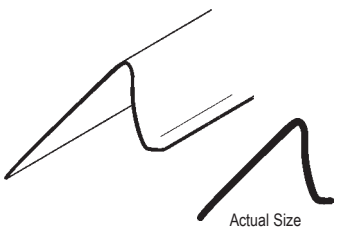


Part #	Color
65-479	Mill
65-479BZ	Bronze
65-479W	White

CROWN

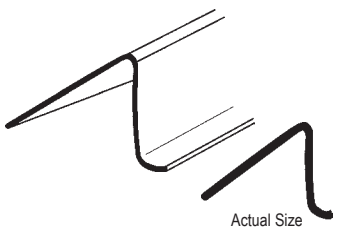


Part #	Color
65-482	Mill
65-482BZ	Bronze
65-482WH	White



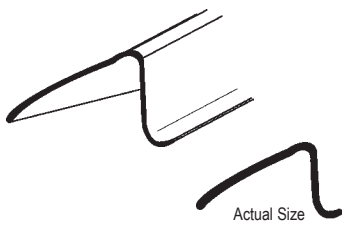
Part #	Color
65-483	Mill
65-483W	White

JACOBSON



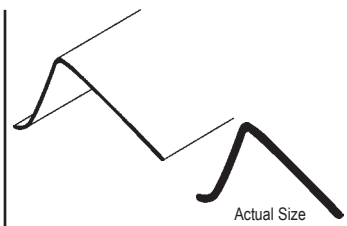
Part #	Color
65-480	Mill
65-480BZ	Bronze

HARCAR



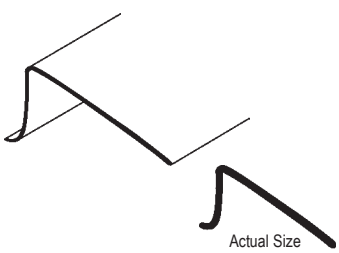
Part #	Color
65-113	Mill
65-113BZ	Bronze

VINYL TECH



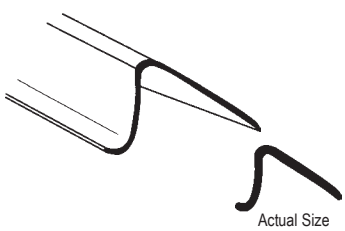
Part #	Color
65-481	Mill
65-481W	White

YALE



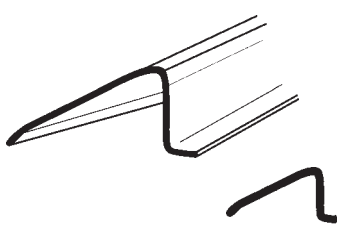
Part #	Color
65-463	White

PGT



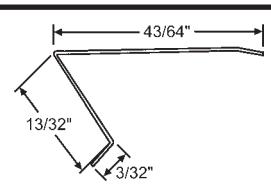
Part #	Color
65-477	Mill
65-477BZ	Bronze

TUCKER



Part #	Color
65-478W	White

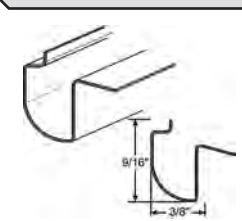
PAN AM



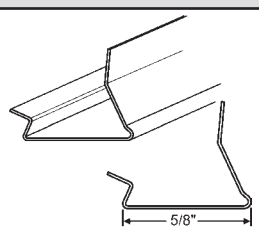
Part #	Color
65-543	Mill
65-543BZ	Bronze
65-543WH	White

6' Length, 10 Length Minimum
AAA STAMPING

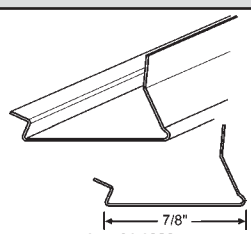
Sold by Length - 6' Length, Minimum 20 Lengths
Full Carton Also Available. Contact Account Manager for Details.



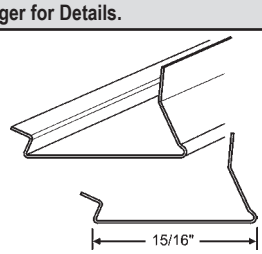
65-493W
White. 6' Length



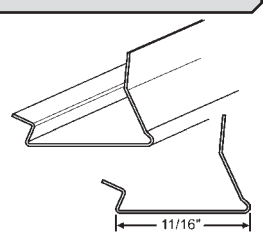
65-494BZ
Bronze. 6' Length



65-499W
White. 6' Length



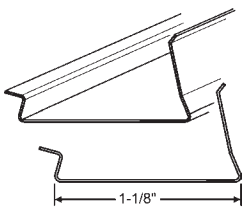
65-497BZ
Bronze. 6' Length



65-498BZ
Bronze. 6' Length

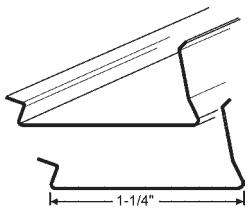
METAL GLAZING BEAD

Sold by Length - 6' Length, Minimum 20 Lengths
Full Carton Also Available. Contact Account Manager for Details.



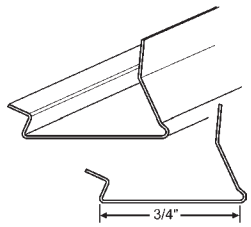
Part #	Color
65-492	Mill
65-492BZ	Bronze
65-492W	White
65-492B	Black

6' Length



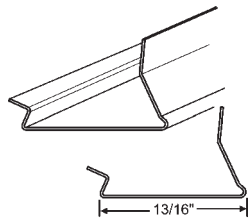
Part #	Color
65-491BZ	Bronze
65-491	Aluminum
65-491B	Black

6' Length



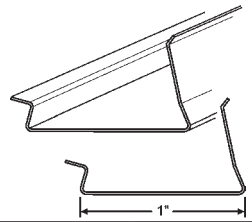
Part #	Color
65-496	Mill
65-496W	White
65-496B	Black
65-496BZ	Bronze

6' Length



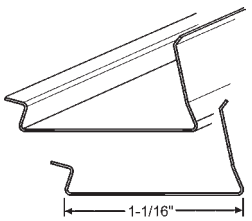
Part #	Color
65-507	Aluminum
65-507W	White
65-507BR	Brown

6' Length



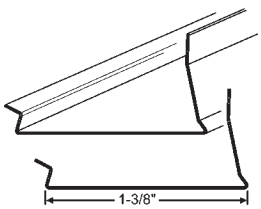
Part #	Color
65-495	Mill
65-495W	White

6' Length

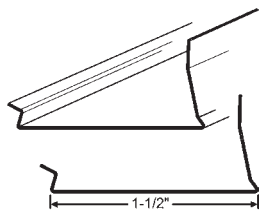


Part #	Color
65-500M	Mill
65-500W	White

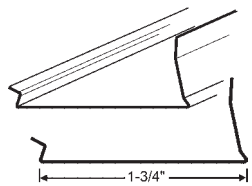
White. 6' Length



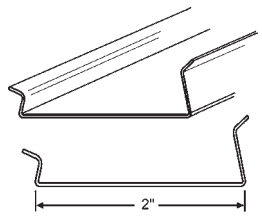
65-505DBR
Dark Brown. 6' Length



65-504DBR
Dark Brown. 6' Length



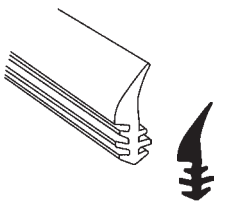
65-506DBR
Dark Brown. 6' Length



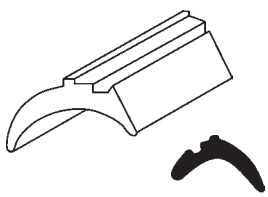
65-536W
White. 6' Length

VINYL GLAZING SPLINE

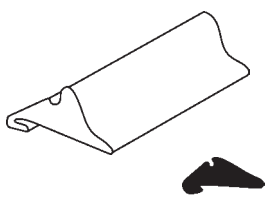
Fits 80-85% of all spline type aluminum windows. Fits all type glazing spline.



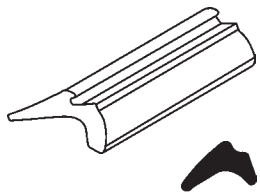
Part #	Length	Color
68-1	100 ft.	Gray
68-1M	1,000 ft.	Gray



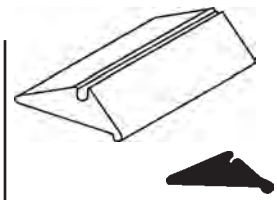
Part #	Length	Color
68-2	100 ft.	Gray
68-2M	1,000 ft.	Gray



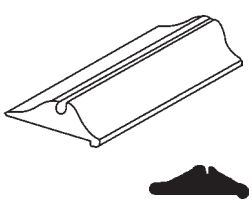
Part #	Length	Color
68-3	100 ft.	Gray
68-3M	1,000 ft.	Gray



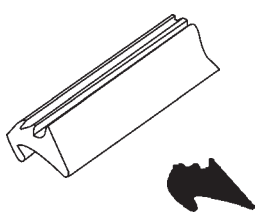
Part #	Length	Color
68-4	100 ft.	Gray
68-4M	1,000 ft.	Gray



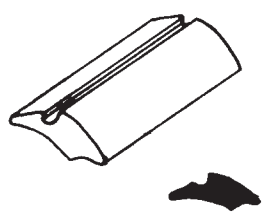
Part #	Length	Color
68-10	100 ft.	Gray
68-10M	1,000 ft.	Gray



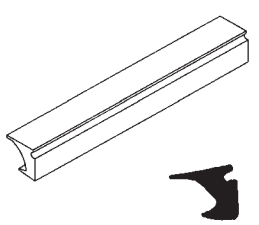
Part #	Length	Color
68-9	100 ft.	Gray
68-9M	1,000 ft.	Gray



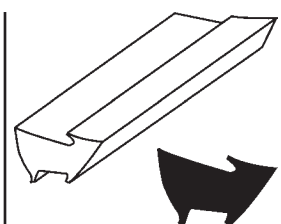
Part #	Length	Color
68-13	100 ft.	Gray
68-13M	1,000 ft.	Gray



Part #	Length	Color
68-14	100 ft.	Gray
68-14M	1,000 ft.	Gray



Part #	Length	Color
900-9465	100 ft.	Gray
900-9465B	100 ft.	Black



WDV 7 BK
Black. 500 Ft.

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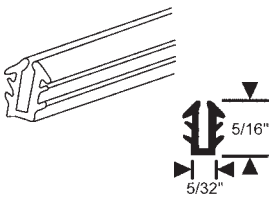
WWW.AZAHARDWARE.COM

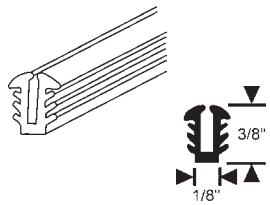
GRAY VINYL GLAZING CHANNELS

Glazing Channel for Single Strength Glass 1/16" (1.6MM)



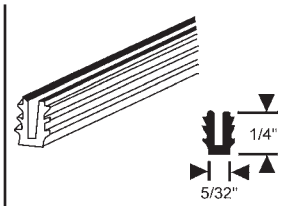
Part #	Length
67-5	100 ft.
67-5M	1,000 ft.

Channel Depth 17/64"
Metal Opening 3/16" to 9/32"



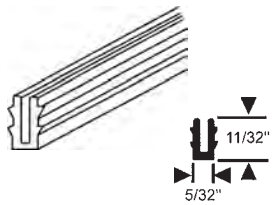
Part #	Length
67-7	100 ft.
67-7M	1,000 ft.

Channel Depth 11/32"
Metal Opening 9/32"



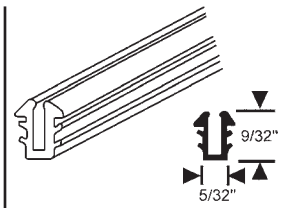
Part #	Length
67-2	100 ft.
67-2M	1,000 ft.

Channel Depth 13/64"
Metal Opening 9/64" to 11/64"



Part #	Length
67-6	100 ft.
67-6M	1,000 ft.

Channel Depth 9/32"
Metal Opening 5/32" to 3/16"

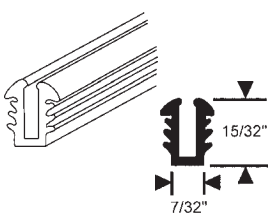


Part #	Length
67-1	100 ft.
67-1M	1,000 ft.

Channel Depth 15/64"
Metal Opening 5/32" to 1/4"

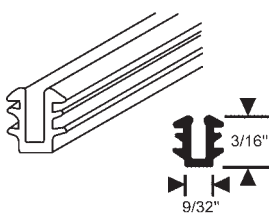
GRAY VINYL GLAZING CHANNELS

Glazing Channel for Double Strength Glass 1/8" (3.2MM) Minimal dimension changes may occur due to varying rubber components.



Part #	Length
67-9	100 ft.
67-9M	1,000 ft.

Channel Depth 9/32".
Metal Opening 1/4" to 19/64".

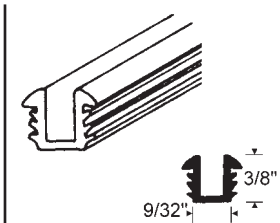


Part #	Length
67-10	100 ft.
67-10M	1,000 ft.

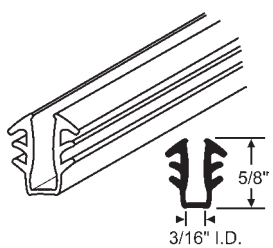
Channel Depth 15/64".
Metal Opening 7/32" to 15/64".

BLACK VINYL GLAZING CHANNELS

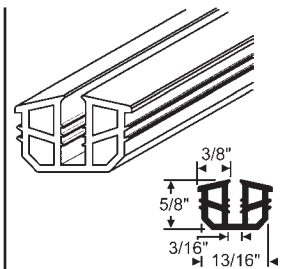
Glazing Channel for 3/16" Glass



Part #	Length
67-14	100 ft.



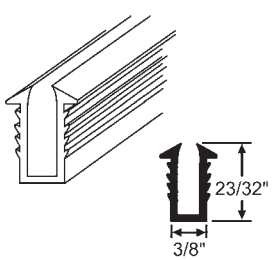
67-123B
Black
400' Roll



67-43
Black
200' Roll

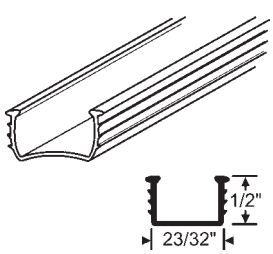
BLACK VINYL GLAZING CHANNELS

Glazing Channel for 1/4" Glass

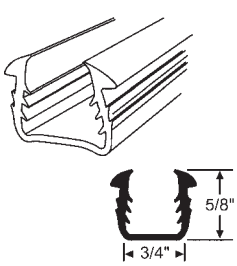


67-35
Black. Sold in 50' Rolls

Glazing Channel for 5/8" Glass

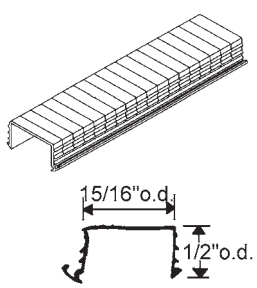


900-21729NS
Black. Sold in Multiples of 100'
ACORN 2300 SERIES



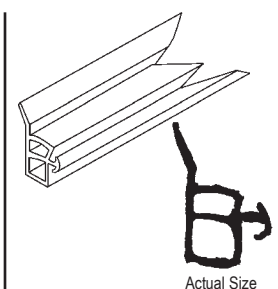
900-21986
Black. Sold in Multiples of 100'

U-CHANNEL



67-18
Black. Serrations spaced at 7/32" intervals. Sold in Multiples of 100'

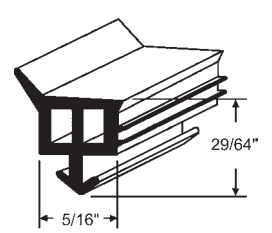
PERIMETER SEALS



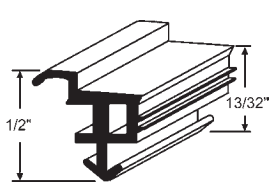
Actual Size

900-17896
Gray. Sold in Multiples of 100'

PERIMETER SEALS

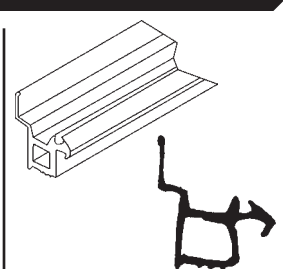


900-8718
Horizontal, Gray.
Sold in Multiples of 100'



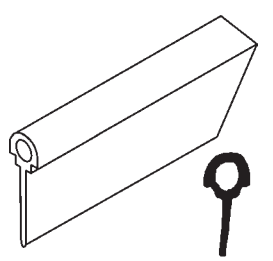
900-11245
Vertical, Gray.
Sold in Multiples of 100'

GLAZING SPLINE WITH FLEXIBLE FIN



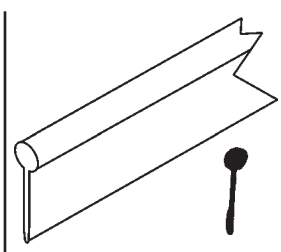
Actual Size

900-9970
Gray. Sold in Multiples of 100'



Actual Size

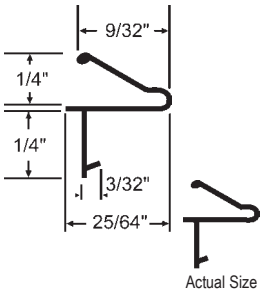
900-15846
Gray. Sold in Multiples of 100'



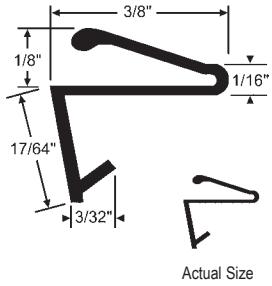
Actual Size

900-16077
Gray. Sold in Multiples of 100'

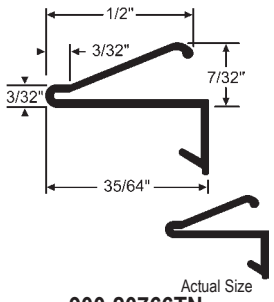
LEAF WEATHERSEALS



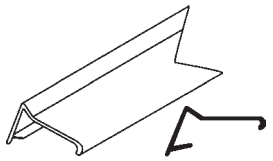
63-310W
White
7' Length - 20 Length Minimum



63-183-96W
White
8' Length - 10 Length Minimum

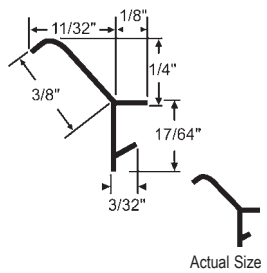


900-20766TN
Tan
7' Length - 20 Length Minimum

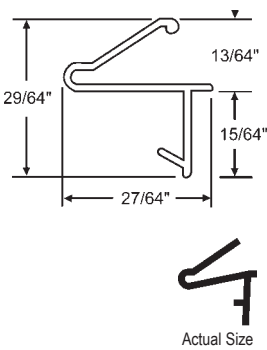


Part #	Color
65-75	Beige
65-75W	White

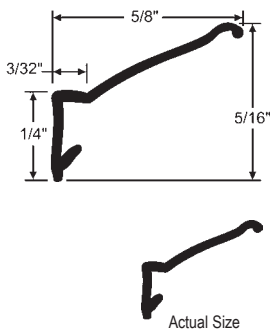
Used Primarily On Wood, Casement & Marvin Windows
6' Length - 120' Minimum



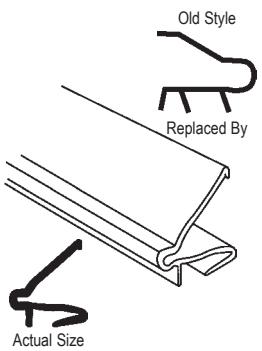
63-313TN
8' Length - 15 Length Minimum



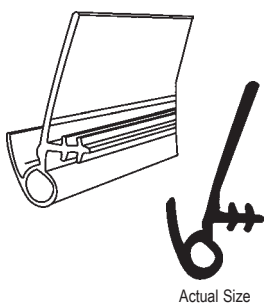
900-20755
7' Length - 20 Length Minimum



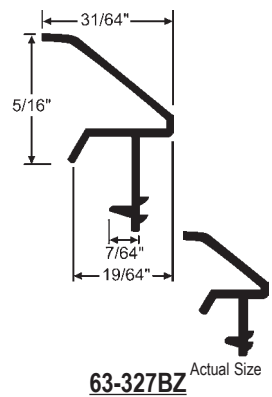
900-20746TN
8' Length - 15 Length Minimum
MALTA



63-381B
Black. (6' Length) Order in Multiples of 6
PEACHTREE



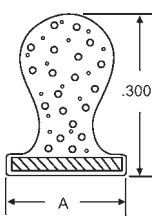
900-21613N
70". Black. Replaces Driftwood. Sold in Multiples of 5 Lengths.
5 Length Minimum
PEACHTREE



63-327BZ
Bronze
NORCO/JELD-WEN

FOAM "T" SLOT WEATHERSEAL

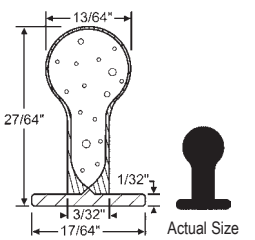
Superior operating ease. Outer cladding cuts friction in half. Superior resistance to compression set with one of a kind foam formula. Superior backing. Slips into a T-Slot and stays there. No stretching, no shrinkage.



Part #	A
900-20383W	.190
900-20478W	.270

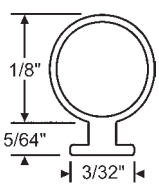
White. 100' Rolls

WEATHERSTRIP

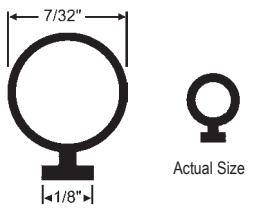


Part #	Color
63-469B	Black
63-469BG	Beige
63-469W	White

T-Slot Bulb Seal

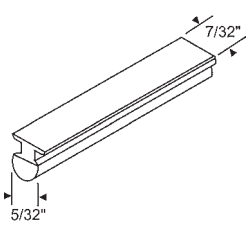


63-171
Black
Sold in Multiples of 100'

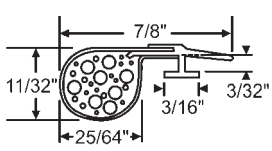


Part #	Color
63-247	Black

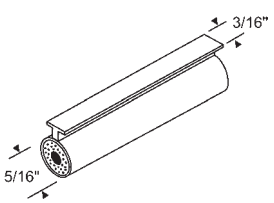
Vinyl. Sold in Multiples of 100'



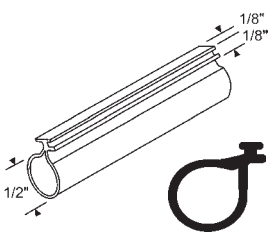
900-20207
Black Vinyl. Sold in Multiples of 100'
SEASONALL/SILVER LINE



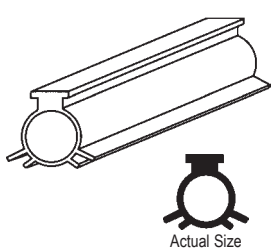
63-202W
White



900-20230
Foam Filled White Vinyl Bubble Seal. Sold in Multiples of 100'
SEASONALL



900-20281W
White. Sold in 8' Lengths. Minimum 15 Lengths
SEASONALL



63-552W
Bulb Weather Strip. White
100' Rolls
PGT

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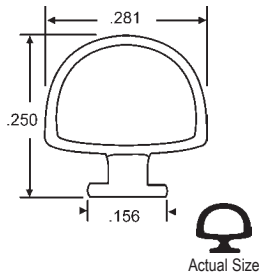
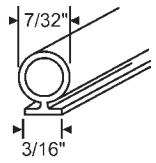
WEATHERSTRIP

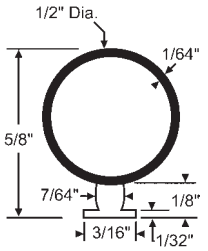


900-18224
"T" Slot Extruded Vinyl
Black. Sold in Multiples of 100'

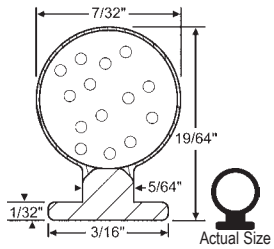


Part #	Color
63-429B	Black
63-429W	White

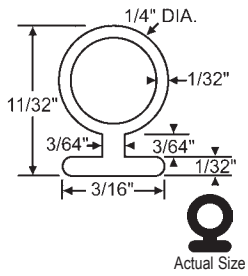
Vinyl. Sold in Multiples of 100'



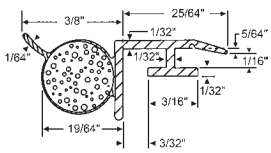
900-21430
White



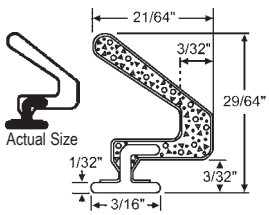
63-425B
.187 Backing X .300 Height.
Sold by ft. in multiples of 100'
Rolls. Black.



900-15702
Gray
PAN AM

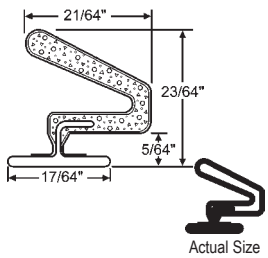


63-323W
Offset Foam Bulb T-Slot
Weatherseal. White

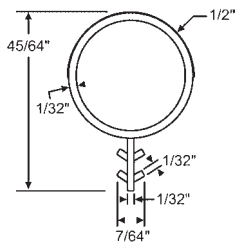


Part #	Color
63-379B	Black
63-379GY	Gray

Q-Lon Weatherseal
SCHLEGEL

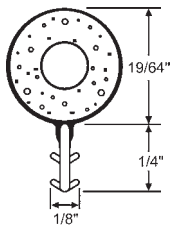


63-362B
Q-Lon Weatherseal. Black



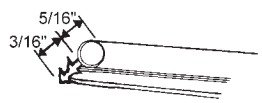
Part #	Color
63-288W	White
63-288B	Black
63-288BG	Beige

Sold in Multiples of 100'

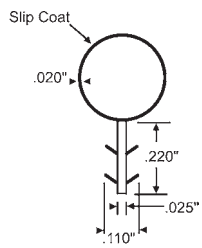


Part #	Color
63-513TN	Tan

Sold in Multiples of 100'



900-10041
Tan. Sold in 100' Rolls.



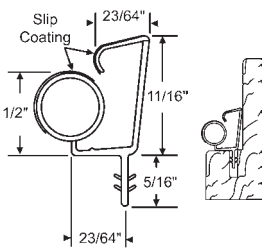
.300 Bulb Diameter

Part #	Color
63-150BG	Beige
63-150W	White
63-150BL	Black

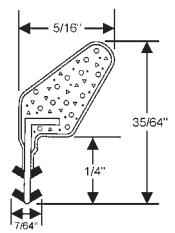
.250 Bulb Diameter

Part #	Color
63-164	Beige
63-164W	White
63-164B	Black

Sold in Multiples of 100'

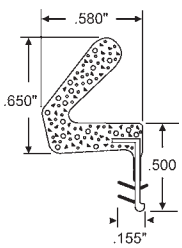


63-208-82BZ
Bronze Vinyl. 82" Long.
10 Length Minimum
PREMDOR/THERMA-TRU

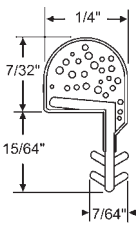


Part #	Color
63-215BZ	Bronze
63-215W	White

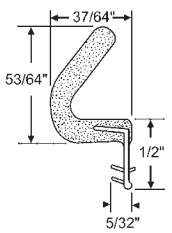
Sold in Multiples of 100'



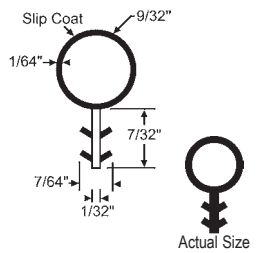
63-181BZ
Bronze. 500' Roll
SCHLEGEL



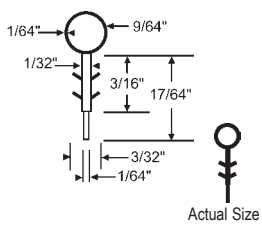
63-300W
White
SCHLEGEL



63-283BZ
Door Weatherseal. 97"
Bronze. Sold in Multiples of
10 Lengths Min.

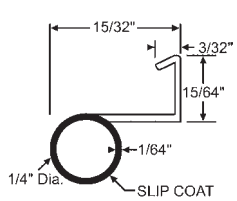


63-274W
White

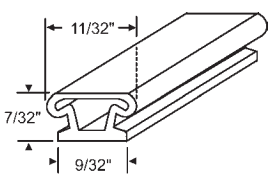


Part #	Color
63-193W	White
63-193	Beige

VEKA

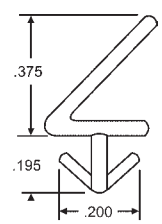


63-177BG
Beige. Rigid Kerf Leg.
Sold in Multiples of 100'

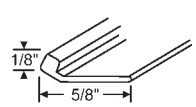


Part #	Color
63-360B	Black

Sold in Multiples of 100'
ACORN

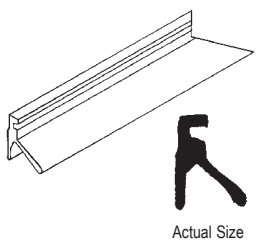


63-170
White. Extruded Vinyl.
Sold in Multiples of 100'



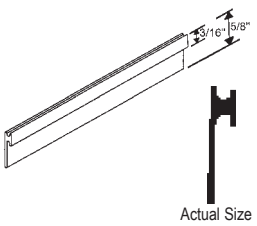
Part #	Color
63-502B-1	Black
63-502GY-1	Gray

Sold By 100' Roll
PAN AM



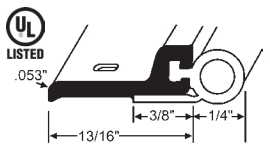
900-19465
Gray. Sold By 100' Roll

WEATHERSTRIP



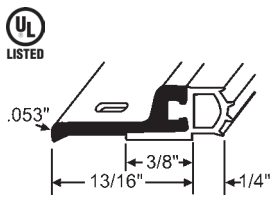
Part #	Color
900-21288	Black

Sold by the foot in 100' rolls



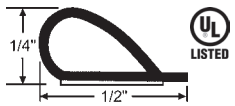
Part #	Finish
19-850-36	Mill
19-850BZ-36	Bronze Anodized

Set Contains 1 piece 36" Long and 2 pieces 84" Long. Includes Fasteners.



19-850-96F

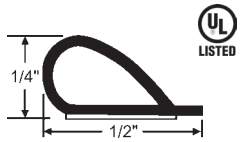
96" Long. Mill. Includes Fasteners.



Part #	Finish
63-374B-17	Black
63-374W-17	White

Santoprene

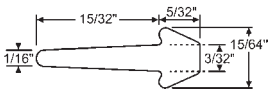
17' Long. Adhesive Backed. For 6'8" Metal Door Jambs. Includes Installation Instructions and Alcohol Pads.



63-374DBR-20

Silicone

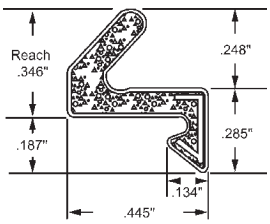
Brown. 20' Long. Adhesive Backed. For 8' Metal Door Jambs. Includes Installation Instructions and Alcohol Pads.



63-416B

Black EPDM Sponge

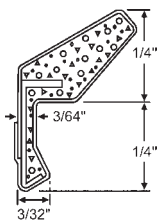
Sold by the foot in 100' Rolls



63-207

White

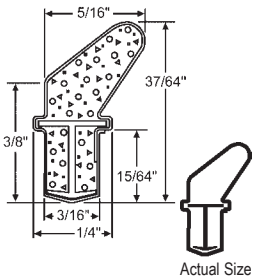
Sold in Multiples of 100'



Part #	Color
63-221BZ	Bronze
63-221W	White

Sold in 150' Roll

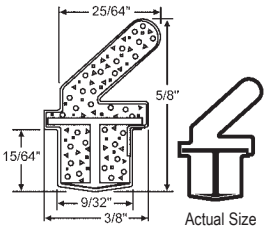
SCHLEGEL



Part #	Color
63-385W	White
63-385BZ	Bronze
63-385BG	Beige

Sold in Multiples of 100'

SCHLEGEL



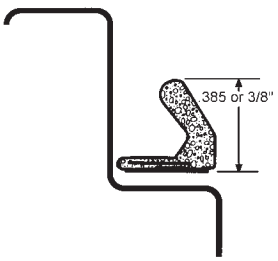
Part #	Color
63-391W	White
63-391BG	Beige

Q-LON Foam Seal Weatherstrip Sold in Multiples of 200' Per Spool

CARADCO/ POZZI SILVER LINE

ADHESIVE-BACKED FOAM DOOR SEAL

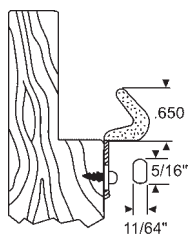
- The seal is composed of a cellular foam core and is clad in an embossed, non-vinyl, painted resistant liner.
- Door seal is for kerfless applications.
- One profile seals the strike side, hinge side and header while maintaining a tight seal.
- Note: Recommended temperature for installation not less than 40° F.
- Door seal comes in 82" lengths and sold in multiples of 10 lengths.



Part #	Color
63-236BZ	Bronze
63-236W	White
63-236B	Black

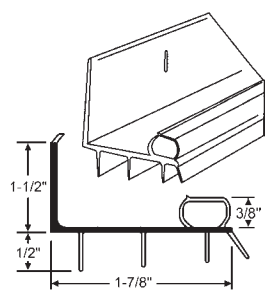
NAIL-UP FOAM DOOR SEAL

- Nail-up door seal set can be used for both wood and metal doors.
- Can also be used for leaking windows.
- Door seal comes in 7 ft. lengths and sold in multiples of 10 lengths.



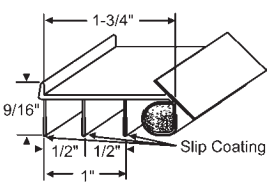
Part #	Color
900-18139BX	Brown
900-18139WX	White

DOOR SWEEP



Part #	Color	Length
900-16933	Beige	35-11/16"
900-16933BZ	Bronze	35-11/16"
900-16933W	White	35-11/16"
900-16933W-32	White	31-11/16"

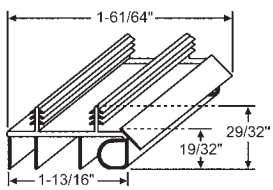
BENCHMARK/GENERAL PRODUCTS



900-20750-36

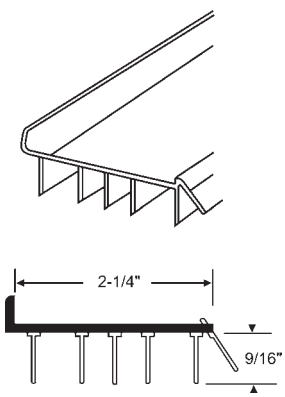
Bronze Vinyl

36" Long



Part #	Color	Length
900-22371	Bronze	34-17/32"
19-342BG-36	Beige	36"
19-342BG-48	Beige	48"
19-342BZ-36	Bronze	36"
19-342BZ-48	Bronze	48"

Malta



Part #	Color	Length
19-447-36	Brown	36"
19-447-48	Brown	48"

for 2-1/4" Doors

Field Performance

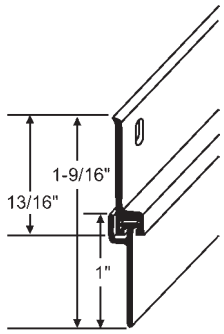
- Sure Seal (5) Fin Design
- Flexible to -25 Degrees F.
- Moisture Drip Fin
- Rigid PVC Base Retains Shape
- Extra Tough, Flexible PVC, Tear Resistant Fins

Installation Performance

- Universal Fit: Steel, Fiberglass & Wood Doors
- Staple Mount
- Split Resistant PVC Inside Door Mounting Lip

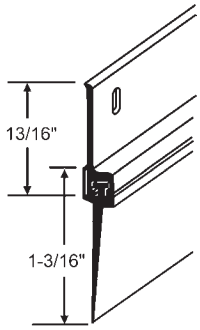
AZA SALES
TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

DOOR SWEEP



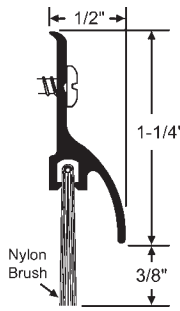
Part #	Finish
900-8179	White
900-8179BLK	Black
900-8179M	Mill

36" Long. Includes Fasteners.



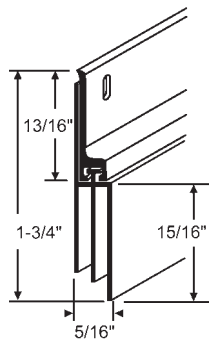
Part #	Finish
19-1032A	Mill
19-1032AZBZ	Bronze Anodized

36" Long. Includes Fasteners.



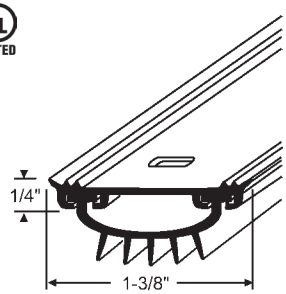
19-1046AZ-36

36" Long. Clear Anodized.
Includes Fasteners.
Adjustable Oblong Screw Holes.



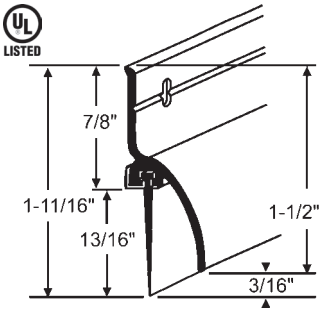
Part #	Finish
19-1031A	Mill
19-1031AZBZ	Bronze Anodized

36" Long. Triple Sweep.
Includes Fasteners.



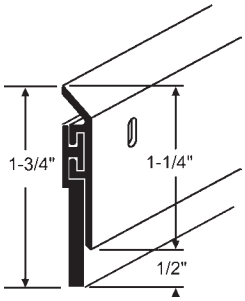
19-648

36" Long. Mill. Concealed Door Bottom.
1/2" Clearance. Includes Fasteners.



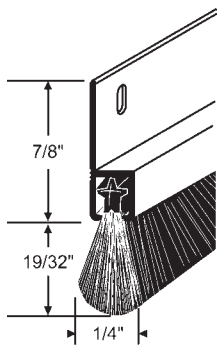
Part #	Finish
19-1030A	Mill
19-1030AZBZ	Bronze Anodized

36" Long. Includes Fasteners.



Part #	Finish
19-1033AZ-36	Clear Anodized
19-1033AZBZ	Bronze Anodized

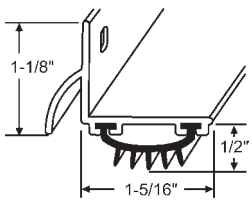
36" Long. Includes Fasteners.
Heavy Duty



19-375A-36

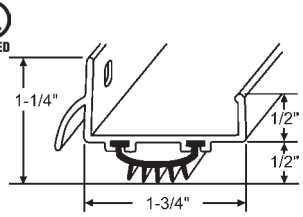
36" Long. Mill. Includes Fasteners.

VINYL DOOR BOTTOM/SWEEPS



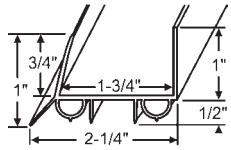
900-14246

36" Long. Mill. For 1-3/8" or 1-3/4" Doors.
Includes Fasteners.



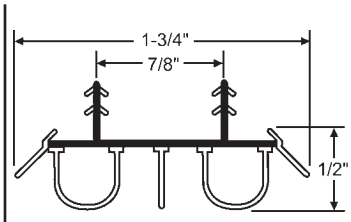
19-702A

Mill. 36" Long. Includes Fasteners.



Part #	Finish
19-1045W-36	White
19-1045BR-36	Bronze

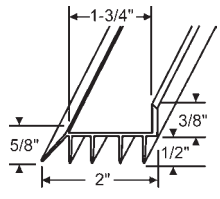
36" Long. Includes Fasteners and
Adjustable Oblong Screw Holes.



19-460

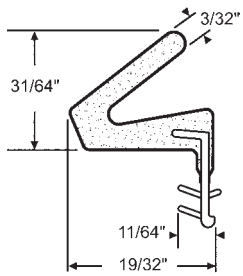
36" Long. Brown. Notched.

FOAM DOOR SEALS



19-1053-37

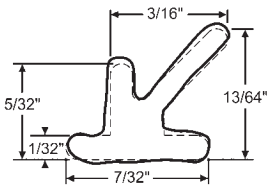
37" Long. Brown. For 1-3/4" Wood Doors.



Part #	Color	Length
900-9176BZ	Bronze	82"
900-9176W	White	82"

Fire Rating: UL Rated for up to
180 Minutes. Sold in Multiples of
10 Lengths Min.

NEOPRENE SPONGE GASKET



68-70B

Black. 1000' Per Box.
Sold in Multiples of 1000 ft.

FOAM DOOR SEALS

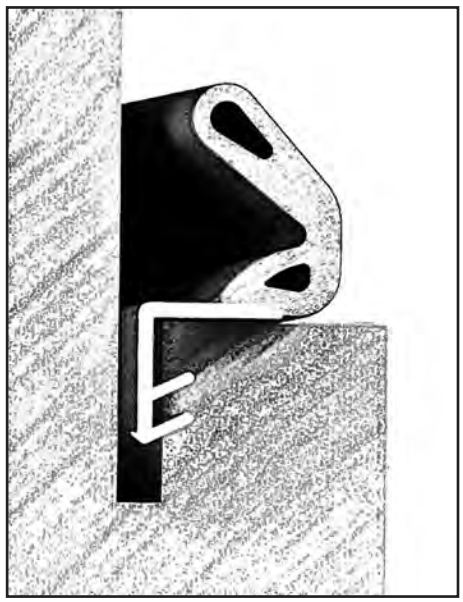
NEW From the makers of Q-Lon Door Seals

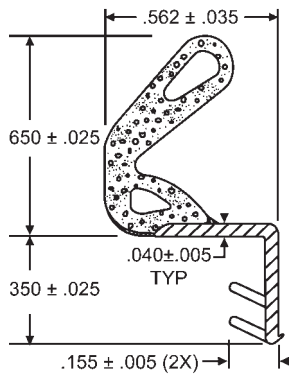
AmesburyTruth™

New *E-Lon* Foam-Tite® Door Seals

• Direct drop-In replacement for our old 63-181 Q-Lon door seals •
• E-Lon is more flexible and water resistant •

We are pleased to announce the availability of **E-Lon** door seals from AmesburyTruth™. It's the same high performing closed cell thermoplastic elastomer (TPE) found in other popular Foam-Tite® products. What makes **E-Lon** different and better than other door weather-strip products is its unique design combined with the superiority of the Foam-Tite® TPE material. You will note the hollows from the illustration on the right have been strategically placed into the profile to optimize the compression load deflection (CLD). The CLD is an industry metric used to measure the closing force of a door. **E-Lon** has been designed to mimic the closing force of other door weather-strip products, so your door feels the same when you close it and lock it.





- Compression seal for hinge doors
- Kerf width .125"
- Kerf depth .400" Minimum
- Recommended compression 50% (+10 -40)

Reasons to want E-Lon Foam-Tite® Door Seals in your door:

- AAMA 702 Class A Performance Rating
- Low CLD
- Low H2O absorption
- Low shrinkage
- Low compression set
- Recyclable and sustainable
- Seamless skin
- Tear resistant skin
- Process friendly / Easy Installation

Sold in Multiples of 10 Lengths. 10 Length Minimum.

Part Number	Color	Length
63-634BR-38	Brown	38"
63-634BR-82	Brown	82"
63-634BR-97	Brown	97"
63-634TN-38	Tan (Beige)	38"
63-634TN-82	Tan (Beige)	82"
63-634TN-97	Tan (Beige)	97"
63-634W-38	White	38"
63-634W-82	White	82"
63-634W-97	White	97"

Sold by the Roll. 500' per Roll.

Part Number	Color
63-634BR	Brown
63-634TN	Tan (Beige)
63-634WH	White

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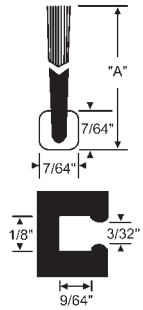
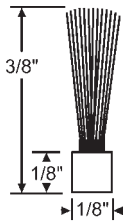
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

SKIRTING WEATHERSEAL

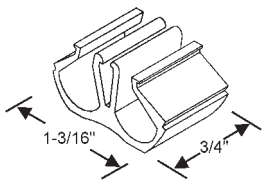


Part #	A	Finish
900-17451	.430	Gray
900-17452	.530	Gray
900-17453	.630	Gray

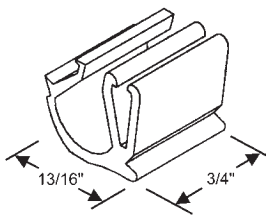


63-453
Gray. Sold in 100' Spools

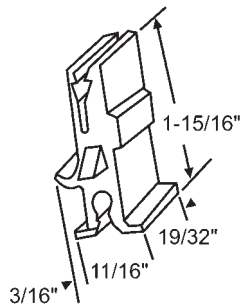
GLAZING CLIP



90-572
White Plastic
"Double"

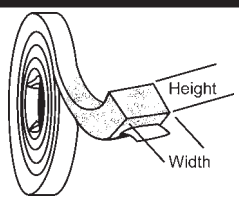


90-573
White Plastic
"Single"



900-5371
Plastic
ALSCO ANACONDA

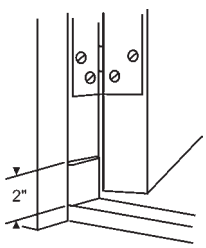
ADHESIVE FOAM WEATHERSTRIPPING TAPE

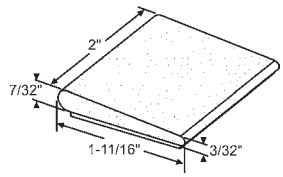


Part #	Size	Material	Color
63-151	3/8" Wide x 3/16" High x 17'	Vinyl, Closed Cell	Gray
63-152	1/2" Wide x 3/8" High x 10'	Vinyl, Closed Cell	Gray

FOAM CORNER SEALS

Q-Lon® Door Seal made of open-cell urethane foam core and clad in embossed polyethylene. Strike jamb and hinge jamb sill corners.
One profile seals the strike side, hinge side and header while maintaining a tight seal.



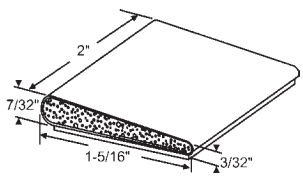


Part #	Color
63-192W-2	White
63-192-2	Bronze
63-192BG-2	Beige

2" Lengths

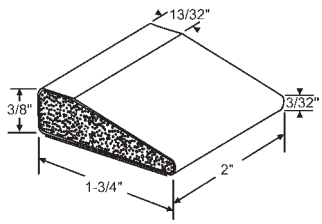
Part #	Color
63-192W-96	White
63-192-96	Bronze
63-192BG-96	Beige

96" Lengths



Part #	Color
63-345-2	Bronze

2" Lengths

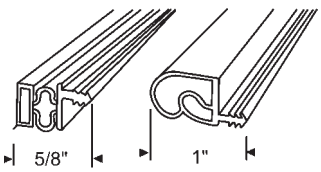


Part #	Color
63-296-2	Bronze

2" Lengths

MAGNETIC WEATHERSTRIP REPLACEMENT FOR STEEL DOORS

Metal door replacement set consists of magnetic and compression pieces which fit into existing kerf around the door frame. Seals completely against drafts, dirt and moisture.



Packed 6 Per Carton
Set consists of:
1 pc. - 6' 8" Magnetic Weatherstrip
1 pc. - 3' Magnetic Weatherstrip
1 pc. - 6' 8" Compression Weatherstrip

Part #	Color
900-9000S	White
900-9000SBG	Beige
900-9000SBZ	Bronze

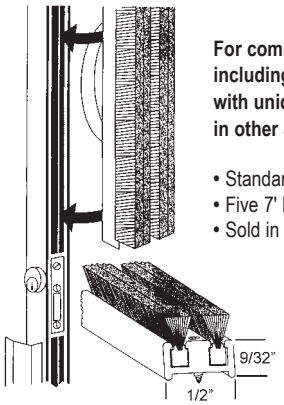
E.Z.D. GLAZING TOOL

Part #	Description
59-79	E.Z.D. Glazing Tool
59-79G	Hand Guard Replacement
59-79X	Blade Replacement

1. The Tool was designed to assist in the Deglazing of Glass from Residential Vinyl Windows. The most common glazing systems include foam tape, silicone, and butyl tape. It was not designed for some of the newer glazing compounds which are extremely hard and strong. It is not recommended for the deglazing of commercial units.
2. The Blade is designed to lay flat on the surface of the glass and slide into the glazing pocket. Tests have shown that a small amount of soapy water will facilitate this action. Once the tool is inserted into the glazing pocket, the wheel will roll through the glazing material much the same as a pizza cutter rolls through a pizza.
3. After the entire perimeter of the unit has been cut, the glass may be removed by applying gentle pressure to each corner with a putty knife or similar instrument. Do not use the tool in the corner because the torque applied will shorten the life of the tool substantially and may result in injury to the user.

Note: While the hand guard does provide some measure of protection from broken glass it is recommended the user always wear safety glasses and gloves when using the tool. The tool should be stored in its plastic bag when not in use.

ENTRASEAL DOOR ASTRAGAL SEALS



For commercial/entrance doors, including wood doors. Designed with unique features not available in other astragals.

- Standard pile height -.480"
- Five 7' lengths per tube.
- Sold in Multiples of 5.

63-500
Profile for Kawneer
Door shown
Black

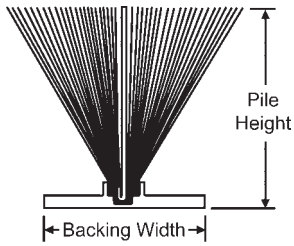
GRAY REPLACEMENT FIN WEATHERSTRIPPING

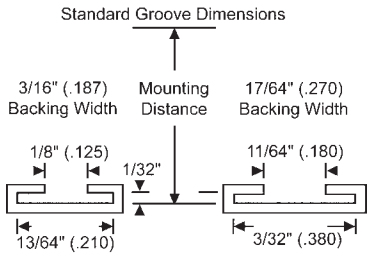
3/16" (.187) Backing Width

Pile Height	100 Ft.	500 Ft.	Misc.
.170 (11/64)	63-76	63-77	63-78-4.5 (4500')
.200 (13/64)	63-7	63-8	63-9R (4000')
.230 (15/64)	63-82	63-83	63-84-3.5 (3500')
.260 (17/64)	63-85	63-86	63-87-3 (3000')
.290 (19/64)	63-25	63-26	63-27R (3000")
.320 (21/64)	63-94	63-95	63-96R (2500')
.350 (23/64)	63-34	63-35	63-36R (2500')

17/64" (.270) Backing Width

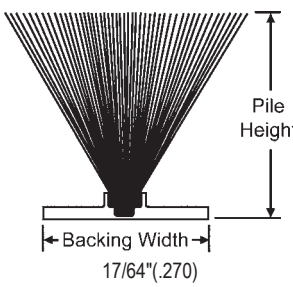
Pile Height	100 Ft.	500 Ft.	Misc.
.170 (11/64)	63-40	63-41	63-42R (3500')
.200 (13/64)	63-46	63-47	63-48-3 (3000')
.230 (15/64)	63-52	63-53	63-54-2.5 (2500')
.260 (17/64)	63-112	63-113	63-114-2.5 (2500')
.290 (19/64)	63-61	63-62	63-63-2 (2000')
.320 (21/64)	63-121	63-122	63-123-2 (2000')
.350 (23/64)	63-70	63-71	63-72R (1500')





Additional backing sizes available: 23/64", 27/64", 1/2"

WEATHERSTRIPPING WITH ADHESIVE BACKING



Part #	Length
63-49TP	100 ft. roll
63-51TP	1,000 ft. roll

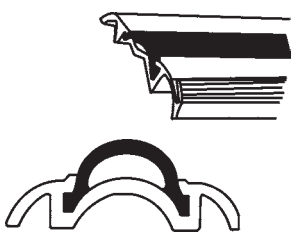
7/32" (.220) Pile Height

Part #	Length
63-55TP	100 ft. roll
63-57TP	1,000 ft. roll

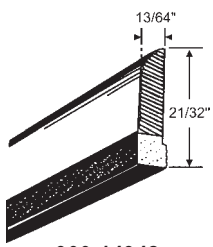
1/4" (.250) Pile Height

Other Sizes Available Upon Request With Minimum Orders

MISC



900-13005
36" Replacement Threshold Insert
Gray, Vinyl



900-14942
Wood & Vinyl Foam Door Set
2 pc. 7' Long, 1 pc. 3' Long

EDGETECH SUPER SPACER

Edgetech Super Spacer

Super Spacer® Premium Plus is a flexible, silicone foam spacer product. Super Spacer® provides the maximum in perimeter insulation for sealed glazing units and prevents condensation. Desiccant-filled with pre-applied side adhesive, the structural foam spacer significantly simplifies insulating glass (IG) production.

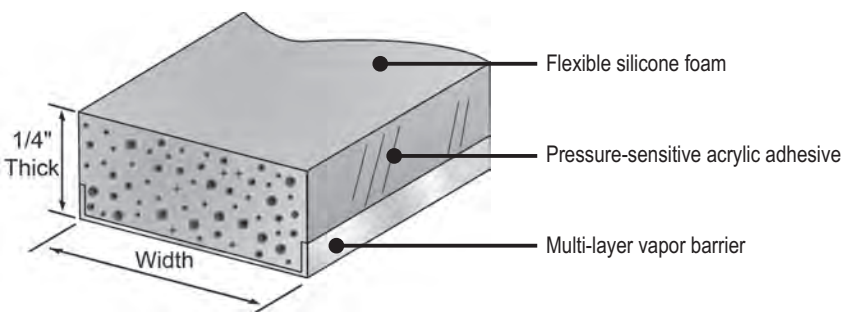
Featuring a vapor barrier backing, the product must be used in combination with conventional IG sealants such as hot melt butyl, polyurethane and solvent-free polysulfide. Dual seal equivalent sealants may also be used.

1/4" Thick Super Spacer Premium Plus

Gray	Black	Width	Reel Size
92-503	92-503B	1/4"	66'
92-503X	92-503XB	1/4"	1100'
92-504	-	5/16"	66'
92-504X	-	5/16"	1100'
92-505	92-505B	3/8"	66'
92-505X	92-505XB	3/8"	900'
92-507	-	1/2"	66'
92-507X	-	1/2"	700'
92-509	-	5/8"	66'
92-509X	-	5/8"	575'
92-512X	-	13/16"	400'

Edgetech **New & Improved**
Energy efficient Super Spacer® Premium Plus.

Enhanced Features Include:
- Up to 30% lower thermal conductivity
- Superior long-term durability
- The warmest edge of glass temperature
- The highest NFRC Condensation Resistance rating



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ADHESIVE SEALANT

SOUDAL

Part #	Color	Size
59-137W	White	10.1 oz. Tube
59-137	Clear	10.1 oz. Tube
59-138W	White	20 oz. Sausage

Silirub N1 is a Premium Grade 100%, Neutral Cure Silicone
- Permanently flexible
- Easy to apply
- Excellent adhesion to glass, vinyl, wood, aluminum & many more
- Low odor
- UV resistant
- No shrinkage
- AAMA compliant

Characteristics:
- Permanent color
- UV resistant
- Excellent moisture and mold resistance.
- Stays fully elastic after curing
- Good adhesion on many materials
- Easy application
- Medium modulus
- Movement up to +/- 25%

Applications:
- Building and construction joints
- Top sealing at glazing jobs
- Suitable as back bedding compound as well as weather sealant
- Joints with high movement between different building materials
- Sealing between treated wood, metal, PVC profiles and glass

- **Surfaces:**
- Type: all usual building surfaces
- State of surface: clean, dry, free of dust and grease
- Preparation: Prime porous surfaces with Primer, no primer required for non-porous surfaces.

We recommend a preliminary compatibility test,especially on PVD and powder coated materials.

Note: Custom Color Matching Available. Three Case Minimum (12 Per Case). Check with Your Account Manager for Available Colors and Lead Times.

CAULKING APPLICATORS/FOAM GUNS

59-102
9" Caulking gun
- Half Pipe with Hardened Push Rod
- Half Pipe with Hardened Ratchet Teeth
- For cartridges 310ml / 10.5 fl oz
- Color: Blue

59-104
Half Pipe Caulking Gun
- Half Pipe with Rotary Carriage
- Ladder Hook
- Anatomically Shaped Lever
- Tip Cleaner
- For cartridges 310ml / 10.5 fl oz
- Color: Red/Black

59-105
Pro Half Pipe Caulking Gun
- Very Sturdy Half Pipe Caulking Applicator
- Rotary Carriage and Ladder Hook
- Special Hardened Catch Plate
- Double Side Bearings for Smooth Running Function
- For High Viscosity Dispensing Material
- Thrust ratio 17:1.
- For cartridges 310ml / 10.5 fl oz
- Color: Black/Turquoise

59-106
Pro Caulking Applicator
- Very Sturdy Aluminum Barrel Applicator
- Rotary Barrel and Ladder Hook
- Special Hardened Catch Plate
- Pro Push Plate for Complete Output of Sausages
- Double Slide Bearings for Smooth-Running Function
- For High Viscosity Dispensing Material
- Thrust ration 17:1
- For cartridges 310ml / 10.5 fl oz and sausages 400ml / 11.6 fl oz or 620ml / 20.9 fl oz
- Color: Silver/Black/Turquoise

59-110
Pro Caulking Applicator
- Very Sturdy Aluminum Barrel Applicator
- Rotary Barrel and Ladder Hook
- Special Hardened Catch Plate
- Pro Push Plate for Complete Output of Sausages
- Double Slide Bearings for Smooth-Running Function
- For High Viscosity Dispensing Material
- Thrust ration 17:1
- For cartridges 310ml / 10.5 fl oz and sausages 400ml / 11.6 fl oz
- Color: Silver/Black/Turquoise

59-108
Caulking Applicator Aluminum
- Sturdy Dispensing Applicator
- Strong Catch Plate
- Aluminum Barrel and Screw Caps
- For cartridges 310ml / 10.5 fl oz, sausages 400ml / 11.6 fl oz and sausages 600ml / 20.2 fl oz
- Color: Silver/Black

PU FOAMS AND FOAM GUNS

SOUDAL

59-132

Gun Foam

Soudafoam Door & Window is a minimal expansion, one component, moisture curing PU foam

- 24 oz. Aerosol Can
- Minimal Expansion
- Easy Application
- Excellent Adhesion to Almost all Substrates
- Excellent Thermal and Acoustical Insulation
- No Shrinkage
- AAMA Compliant

59-109

PU Foam Gun

- Solid Metal Foam Gun
- PTFE Coated Needle and Can Adaptor.
- Large Brass Adjusting Screw
- Tapered Extrusion Tube for High Stability
- Rubberized Handle for Superior Grip
- Color: Black/Red/Silver

59-107

PU Foam Gun

- Light-Weight Plastic/Aluminum Foam Gun
- Metal Tube and Lever
- Big Adjusting Screw for Excellent Justification
- Ergonomically, Rubberized Handle
- Color: Red/Black

CLEANERS

SOUDAL

59-134

Genius Gun

Soudafoam Door & Window is a minimal expansion, one component, moisture curing PU foam

- 20 oz. Aerosol Can
- Integrated Gun System
- Reusable
- Minimal Expansion
- Easy Application
- Excellent Adhesion to Almost all Substrates
- Excellent Thermal and Acoustical Insulation
- No Shrinkage

SOUDAL

59-135

Cleaning Wipes

Swipex are solvent based cleaning wipes for uncured sealants & adhesives.

- Non Woven Wipes Impregnated with a Mixture of Solvents, Biodegradable Bon-Ionic Surfactants and Skin Emollients
- Suitable for all Non-Porous Surfaces
- For Hands and Tools
- Cleans Uncured Solvent
- Removes Oil, Adhesive, Etc.
- 100 Wipes

SOUDAL

59-136

Gun & Foam Cleaner

Soudal Gun & Foam Cleaner Is a solvent cleaner specifically designed for cleaning of uncured PU foam

- 12 oz. aerosol can
- For Hands and Tools
- Cleans Uncured Solvent
- Removes Oil, Adhesive, Etc.

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GLASS CUTTER

59-112

Metal Handle Glass Cutter. Tungsten Carbide Wheel

VINYL GLAZING BEAD IDENTIFICATION RING

500-98NEW

The #500-98NEW Contains 126 of the Most Popular Vinyl and Metal Glazing Bead Samples Organized by Shape and Color Approximately 1-1/2" Long on a Large Stainless Steel Ring with Locking Screw Threads.

- Take the ring of beads to your job repair site so you can identify broken beads in a minute.
- Avoid the clutter of keeping your samples in a bag or box, losing pieces, and save time with the ring program.
- Each ring keeps all your glazing bead samples together and organized so you are not losing samples, and can find them all right away to identify the bead you need.
- Each bead has a label with part number on it. You can add or remove beads as you need to or reorganize the beads the way you want them.

GLASS CLEANER

Spray-X®

Foaming Glass Cleaner

59-101

19 oz. can

12 cans per case

- Industrial Strength
- The most versatile glass cleaner available
- Cleans glass, windows, mirrors, windshields, enamel surfaces, chrome, tile, porcelain and other hard surfaces.
- Sprays in any position
- Dissolves dirt, grease, grit and grime
- Heavy-Duty Foam clings to vertical surfaces
- Non-ammoniated
- Guaranteed to leave no film - "Streak Free"
- Safe on tinted glass, plastic and mirrors
- Contains cosmetic-grade alcohol for best performance
- Superior quality at competitive pricing
- Patent Pending Formulation

Spray X Glass Cleaner contains less water and more cleaning power. Our patent pending formulation allows us to meet the current VOC regulations and deliver maximum cleaning performance for our customers. Compare our alcohol content to other national brands and you'll notice our quality is significantly higher

Spray X Glass Cleaner uses SD-40B cosmetic grade alcohol that is 200 proof and 99.9% pure. This type of alcohol requires a registration with the US Department of Alcohol, Tobacco and Firearms, and each Spray-X Glass Cleaner can is marked with our registration number. Compare our registration to other brands and you'll quickly agree this product has been performance engineered to meet all your glass cleaning needs.

Spray X Glass Cleaner for cleaning and polishing glass, mirrors and other nonporous surfaces. This easy-to-use, fast-acting product uses clinging foam to break up soils and hold them - even on vertical surfaces. There's no dripping, no running and no streaking. With an exclusive industrial strength formulation, this product cleans thoroughly, dries quickly, requires no rinsing and leaves a pleasant, fresh aroma.

Spray-X Glass Cleaner utilizes a 360 degree valve for ease of use. This allows our product to be sprayed right side up or upside down. Other brands cannot spray upside down, but we have this solid valve feature, plus the anti- fatigue finger pad makes this packaging very attractive to all users.

Spray-X Glass Cleaner is alcohol based. It does not contain ammonia. When comparing our performance on tinted glass to ammoniated brands most professional installers praise the difference.

Spray-X Glass Cleaner is packaged in a two-piece steel can. No side seam means we use less energy and material and generate less waste. Our can weighs 10% less than the three-piece equivalent and is 100% recyclable. You will appreciate the new contemporary can design.

PRIVATE LABEL SPRAY-X FOAMING GLASS CLEANER

"Private Label Spray-X Foam Glass Cleaner as your own!!"

59-101P

19 oz. can

540 Can Minimum

(45 Cases,12 cans per case)

59-101P4

4 oz. can

720 Can Minimum

(60 Cases,12 cans per case)

59-101MIXP

Mixed pallet of 540 4 oz. and 540 19 oz cans (1 pallet). Pallet consists of 45 cases of 19 oz. and 45 cases of 4 oz., 12 cans per case

- Guaranteed to Leave No Film- "Streak Free"
- Industrial Strength
- Cleans Glass, Windows, Mirrors, Windshields, Enamel
- Surfaces, Chrome, Tile Porcelain and Other Hard Surfaces
- Sprays in Any Position
- Dissolves Dirt, Grease Grit and Grime
- Heavy-Duty Foam Clings to Vertical Surfaces
- Non-Ammoniated
- Contains Cosmetic-Grade Alcohol for Best Performance
- Superior Quality at Competitive Pricing
- Advanced Formulation
- Available in 19 oz. and 4 oz. Cans

CUSTOM MADE STANDARD ROLL FORM ALUMINUM WINDOW SCREEN ORDER FORM

Account#_____ **Page#** ____ **of** ____

Sold To:_____ **Ship To:** _____

_____ _____

_____ _____

_____ _____

Salesman_____ Supervisor_____ Purchase Order#_____

Date_____ Quoted By_____ Customer #_____

STEP 1 **Measurement**

_____" Width x _____" Height

Note: On all screen frames screen measurements must be box to box.
Note: Minimum screen size is 12" x 12". Maximum screen size is 46" x 46". For larger size screen check with your account manager for availability. Quantity minimums may apply along with special packaging and freight charges.

STEP 2 **Identify Frame part #_____**

STEP 3 **Select frame finish.**

Mill_____ White_____ Almond_____ Beige_____

Bronze_____ Other _____

STEP 4 **Select wire.**

Charcoal Fiberglass (Standard)____ Gray Fiberglass____

Bright Aluminum____ Charcoal Aluminum____

Pet Screen____ Other_____

STEP 5 **Crossbrace location**

Required_____ Not Required_____

Horizontal:_____inches up from the bottom

Vertical:_____inches from the right rail

STEP 6 **Type of Corner Keys**

Plastic External Square Cut (Standard) _____

Plastic Internal Mitered _____

Plastic External Mitered (Andersen Style) _____

Note: Unless otherwise specified, all custom made window screens are manufactured with external plastic corner keys.

STEP 7 **Hardware:** Required _____ Not Required ____

STEP 8 **Woolpile (if needed) specify height:**

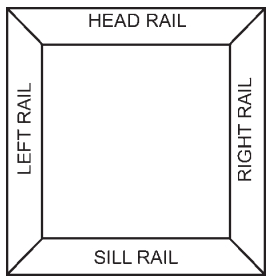
❑ .280 ❑ .470

Specify Rail: ❑ Head ❑ Sill ❑ Left ❑ Right

STEP 8 **Measure location of hardware and specify on drawing.**

Always determine hardware location from the end of corner to either center or pivot point depending on type of hardware.

Show Hardware Locations
(Inside Looking Out / Spline on Outside)



Fill out the positioning of the hardware below.

Location	Quantity	Number	Position - Number of inches from end (tip or corner)
• Installed on HEAD RAIL			
• Installed on SILL RAIL			
• Installed on LEFT RAIL			
• Installed on RIGHT RAIL			

Part#	Quantity (see note below)	Size	Price Each	Amount
990-999		" width **X** " height		
890-999-1		Window Screen Packaging Charge	$_____	
Note: Minimum 2 screens per size & color		**Note: On all screen frames screen measurements must be box to box. Note: Minimum screen size is 12" x 12". Maximum screen size is 46" x 46". For larger size screen check with your account manager for availability. Quantity minimums may apply along with special packaging and freight charges.**	**TOTAL**	
			FREIGHT	

STEP 9 **All Custom made window screen orders will not be processed without customer's signature verifying acceptance of our terms and conditions of order.**

I understand that this material is not regular stock, but custom made to specifications as stated above. I understand and accept the condition that this material is NON-RETURNABLE and NON-CANCELABLE. A packaging charge per screen will be assessed for quantities less than 10 of a size. IT IS THE RESPONSIBILITY OF THE CUSTOMER TO INSPECT FOR DAMAGE, AND MAKE THE CLAIM WITH THE CARRIER, AS WE ARE NOT RESPONSIBLE FOR DAMAGE.

Please Note: For all truck deliveries there is a minimum floor charge. There is an additional charge for residential deliveries.

Signature of Authorized Buyer_____Buyer Phone_____-_____

Title _____

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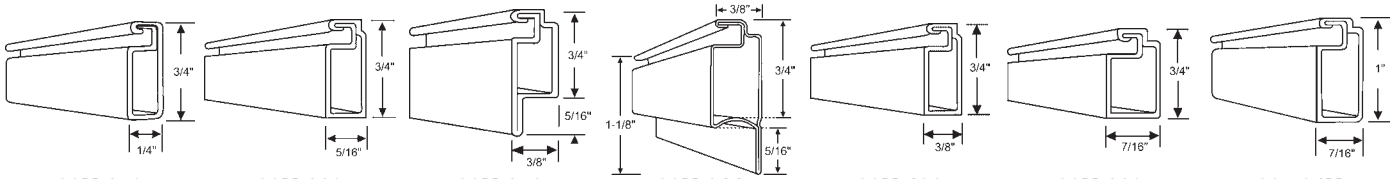
WWW.AZAHARDWARE.COM

CUSTOM MADE WINDOW SCREENS

ROLLED FORMED ALUMINUM FRAME SIZES

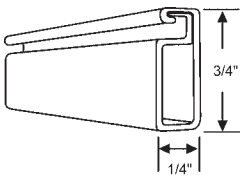
See Following Pages for Components



90M-250 | 90M-220 | 90M-256 | 90M-314 | 90M-196 | 90M-280 | 90-504M

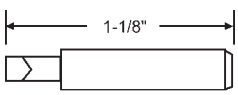
ALUMINUM FRAME ACCESSORIES

.019 GAUGE



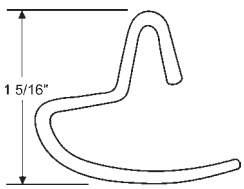
Part #	Color
90M-250	Mill
90M-251	White
90M-252	Dark Bronze

FIXED PIN



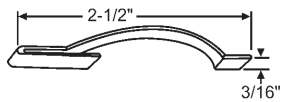
900-21792
5/32" x 1-1/8"

HAIR PIN CLIP



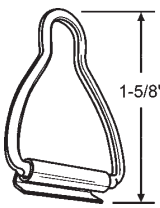
90-127

TENSION SPRING



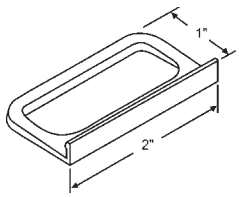
900-17211

LOOP LATCH



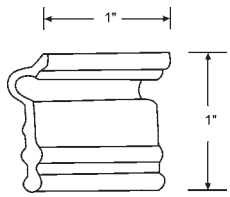
90-103X
Spline Type

PULL TABS

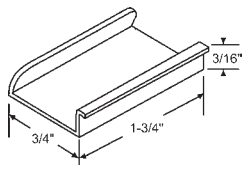


Part #	Color
900-12883	Clear
900-12883B	Black

Nylon - Lays Flat



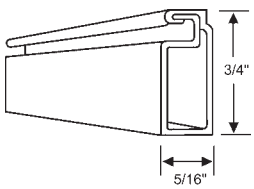
Part #	Description
90-633	Black rubber flexible
90-634	Black vinyl rigid
90-634G	Gray vinyl rigid



Part #	Color
90-118	Mill
90-118WH	White
90-118BZ	Bronze

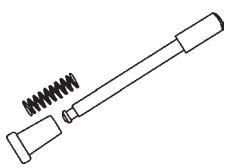
Aluminum

.019 GAUGE

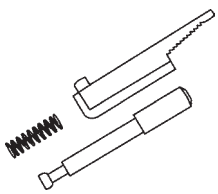


Part #	Color
90M-220	Mill
90M-221	White
90M-222	Dark Bronze

5/32" PLUNGER ASSEMBLIES



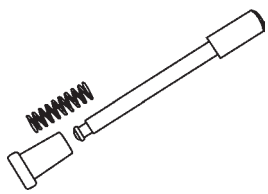
Part #	Cap Color
90-635	White
90-635B	Black



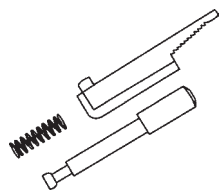
Part #	Cap Color
90-635FT	White

Flip Type

7/32" PLUNGER ASSEMBLIES



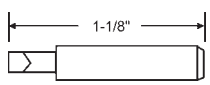
Part #	Cap Color
900-9850	White
900-9850B	Black



Part #	Cap Color
900-9850FT	White

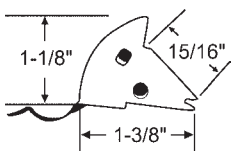
Flip Type

FIXED PIN



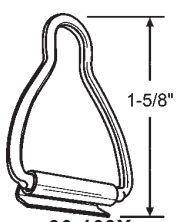
Part #	Description
900-21792	5/32" x 1-1/8"
900-21747	7/32" x 1-1/8"

BUTTERFLY LATCH



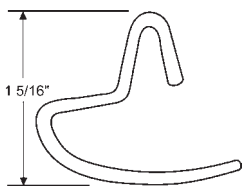
90-506

LOOP LATCH



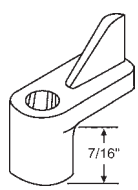
90-103X
Spline Type

HAIR PIN CLIP



90-127

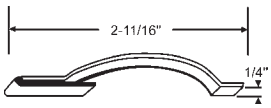
SWIVEL CLIP



Part #	Color
90-380B	Black
90-380WH	White

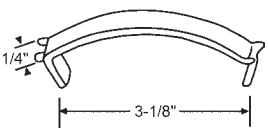
CUSTOM MADE WINDOW SCREENS

CORNER SPRING



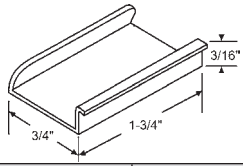
90-498

TENSION SPRING



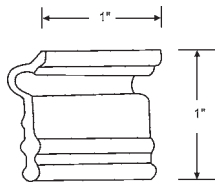
16-158

PULL TABS

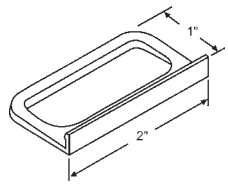


Part #	Color
90-118	Mill
90-118WH	White
90-118BZ	Bronze

Aluminum



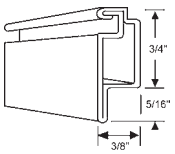
Part #	Description
90-633	Black rubber flexible
90-634	Black vinyl rigid
90-634G	Gray vinyl rigid



Part #	Color
900-12883	Clear
900-12883B	Black

Nylon - Lays Flat

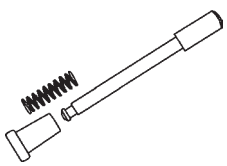
.019 GAUGE



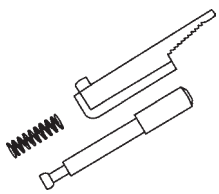
Part #	Color
90M-256	Mill
90M-257	White
90M-258	Dark Bronze

Can be used with frame
90M-196, 90M-197 & 90M-198

5/32" PLUNGER ASSEMBLIES



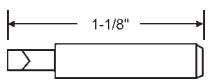
Part #	Cap Color
90-635	White
90-635B	Black



Part #	Cap Color
90-635FT	White

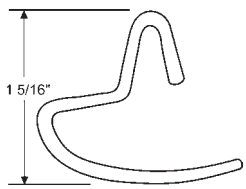
Flip Type

FIXED PIN



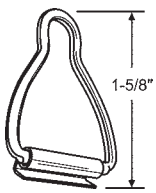
900-21792
5/32" x 1-1/8"

HAIR PIN CLIP



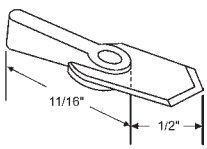
90-127

LOOP LATCH



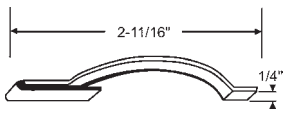
90-103X
Spline Type

POINTER LATCH



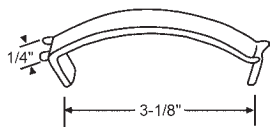
Part #	Color
900-9823	Black
900-9823W	White

CORNER SPRING



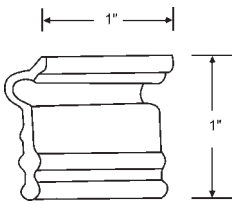
90-498

TENSION SPRING

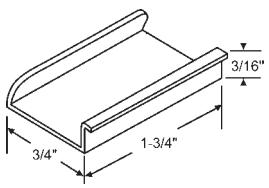


16-158

PULL TABS

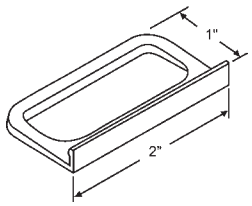


Part #	Description
90-633	Black rubber flexible
90-634	Black vinyl rigid
90-634G	Gray vinyl rigid



Part #	Color
90-118	Mill
90-118WH	White
90-118BZ	Bronze

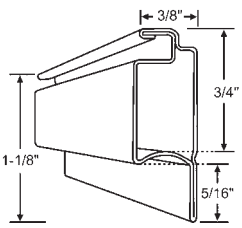
Aluminum



Part #	Color
900-12883	Clear
900-12883B	Black

Nylon - Lays Flat

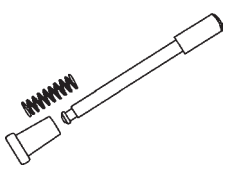
.019 GAUGE



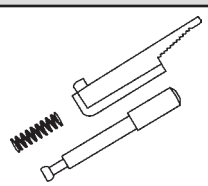
Part #	Color
90M-314	White
90M-313AD	Almond
90M-315	Bronze

A Good Substitute For Bayform
Series B38LI Frame

5/32" PLUNGER ASSEMBLIES

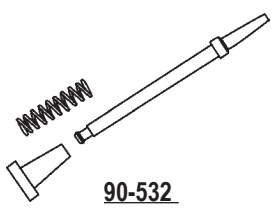


Part #	Cap Color
90-635	White
90-635B	Black



Part #	Cap Color
90-635FT	White

Flip Type



90-532

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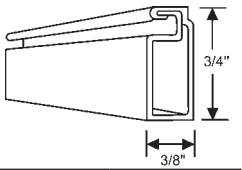
WWW.AZAHARDWARE.COM

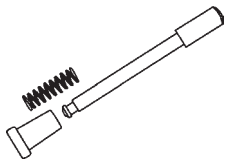
CUSTOM MADE WINDOW SCREENS

.019 GAUGE

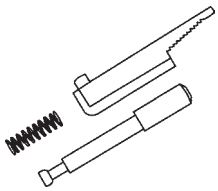


Part #	Color
90M-196	Mill
90M-197	White
90M-198	Dark Bronze

5/32" PLUNGER ASSEMBLIES



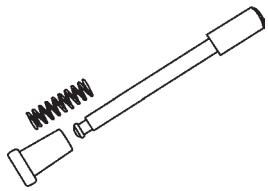
Part #	Cap Color
90-635	White
90-635B	Black



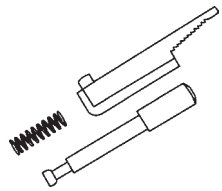
Part #	Cap Color
90-635FT	White

Flip Type

7/32" PLUNGER ASSEMBLIES



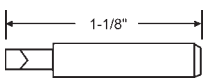
Part #	Cap Color
900-9850	White
900-9850B	Black



Part #	Cap Color
900-9850FT	White

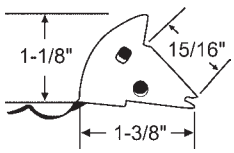
Flip Type

FIXED PIN



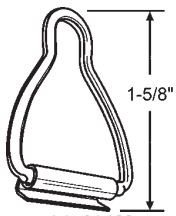
Part #	Description
900-21792	5/32" x 1-1/8"
900-21747	7/32" x 1-1/8"

BUTTERFLY LATCH



90-506

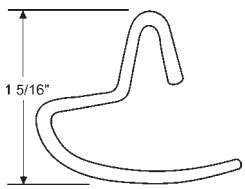
LOOP LATCH



90-103X

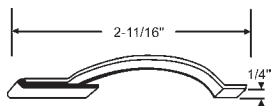
Spline Type

HAIR PIN CLIP



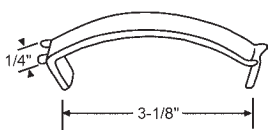
90-127

CORNER SPRING



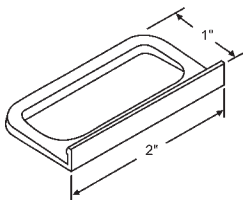
90-498

TENSION SPRING



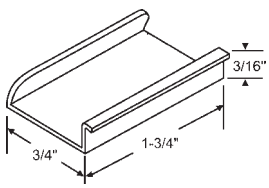
16-158

PULL TABS



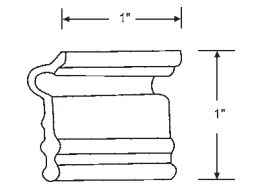
Part #	Color
900-12883	Clear
900-12883B	Black

Nylon - Lays Flat

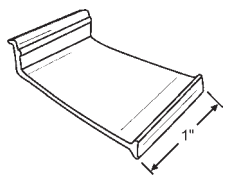


Part #	Color
90-118	Mill
90-118WH	White
90-118BZ	Bronze

Aluminum



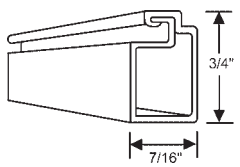
Part #	Description
90-633	Black rubber flexible
90-634	Black vinyl rigid
90-634G	Gray vinyl rigid



Part #	Color
90-376	Black
90-376GY (1831A)	Gray

Vinyl

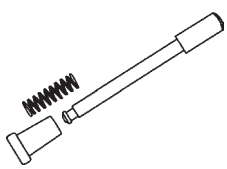
.019 GAUGE .024 GAUGE



Part #	Color
90M-280	Mill
90M-281	White
90M-282	Dark Bronze

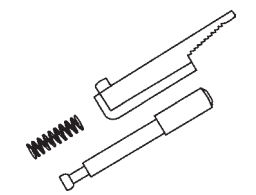
Part #	Color
90M-287	White

5/32" PLUNGER ASSEMBLIES



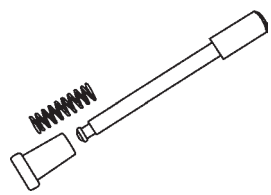
Part #	Cap Color
90-635	White
90-635B	Black

7/32" PLUNGER ASSEMBLIES



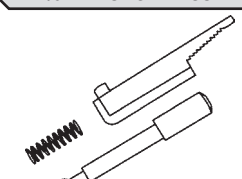
Part #	Cap Color
90-635FT	White

Flip Type



Part #	Cap Color
900-9850	White
900-9850B	Black

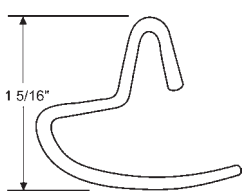
7/32" PLUNGER ASSEMBLIES



Part #	Cap Color
900-9850FT	White

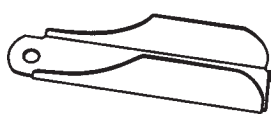
Flip Type

HAIR PIN CLIP



90-127

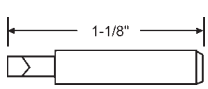
JIFFY HANGER



90-389

Mill

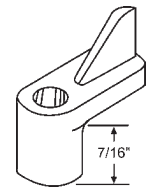
FIXED PIN



Part #	Description
900-21792	5/32" x 1-1/8"
900-21747	7/32" x 1-1/8"

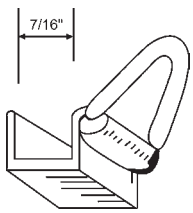
CUSTOM MADE WINDOW SCREENS

SWIVEL CLIP

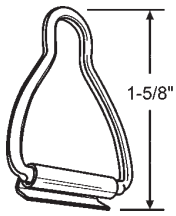


Part #	Color
90-380B	Black
90-380WH	White

LOOP LATCH

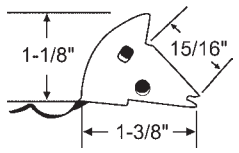


900-9851
Slip-on Type



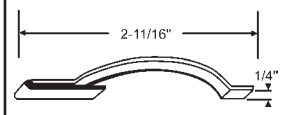
90-103X
Spline Type

BUTTERFLY LATCH



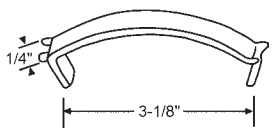
90-506

CORNER SPRING



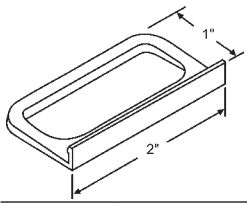
90-498

TENSION SPRING



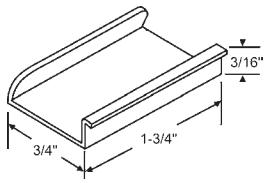
16-158

PULL TABS



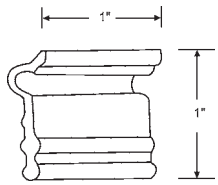
Part #	Color
900-12883	Clear
900-12883B	Black

Nylon - Lays Flat



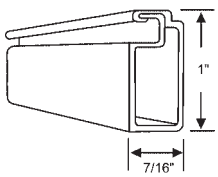
Part #	Color
90-118	Mill
90-118WH	White
90-118BZ	Bronze

Aluminum



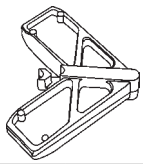
Part #	Description
90-633	Black rubber flexible
90-634	Black vinyl rigid
90-634G	Gray vinyl rigid

.024 GAUGE



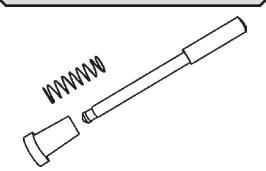
Part #	Color
90-504M	Mill
90-504W	White
90-504S	Stone
90-504BZ	Bronze

A Good Substitute to Fit Andersen Windows. When substituting for an Andersen screen, specify the external plastic corner keys.



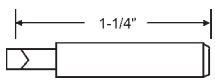
Part #	Color
90-503W	White
90-503BZ	Dk Bronze
90-503S	Stone

5/32" PLUNGER ASSEMBLIES



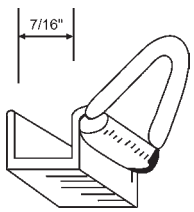
Part #	Cap Color
90-513	White
90-513B	Black

FIXED PIN

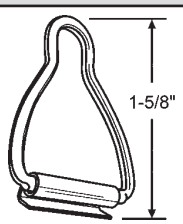


90-698
5/32" x 1-1/4"

LOOP LATCH

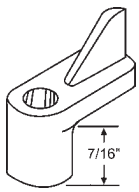


900-9851
Slip-on Type



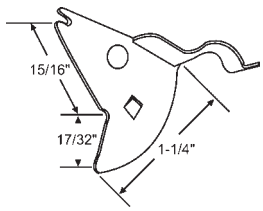
90-103X
Spline Type

SWIVEL CLIP



Part #	Color
90-380B	Black
90-380WH	White

BUTTERFLY LATCH

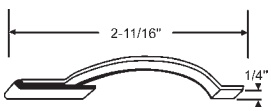


90-515

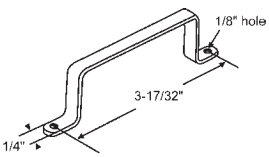
JIFFY HANGER

90-389
Mill

CORNER SPRING

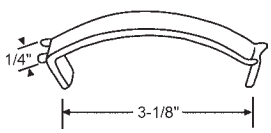


90-498



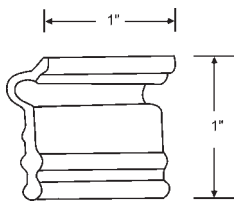
Part #	Color
90-390 (2816P)	Aluminum

TENSION SPRING

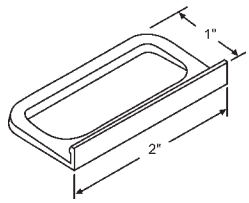


16-158

PULL TABS



Part #	Description
90-633	Black rubber flexible
90-634	Black vinyl rigid
90-634G	Gray vinyl rigid



Part #	Color
900-12883	Clear
900-12883B	Black

Nylon - Lays Flat

AZA SALES
TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

CUSTOM MADE EXTRUDED ALUMINUM WINDOW SCREEN ORDER FORM

Account#_____ **Page#** ____ **of** ____

Sold To:_____ **Ship To:** _____

_____ _____

_____ _____

_____ _____

Salesman_____ Supervisor_____ Purchase Order#_____

Date_____ Quoted By_____ Customer #_____

STEP 1 Measurement

_____" Width x _____" Height

Note: On all screen frames screen measurements must be box to box.

Note: Minimum screen size is 12" x 12". Maximum screen size is 46" x 46". For larger size screen check with your account manager for availability. Quantity minimums may apply along with special packaging and freight charges.

STEP 2 Identify Frame part

Head Rail #_____

Right Rail #_____

Left Rail#_____

Sill Rail #_____

Note: No need to specify corner. Proper corner will be applied based on frame selected.

STEP 3 Select frame finish.

White ___ Beige ____Bronze___ Brown___
Ivory____ Almond ___

STEP 4 Select wire.

Charcoal Fiberglass (Standard)____ Gray Fiberglass____
Bright Aluminum____ Charcoal Aluminum____
Pet Screen____ Other_____

STEP 5 Crossbrace location

Required_____ Not Required_____
Horizontal:_____inches up from the bottom
Vertical:_____inches from the right rail

STEP 6 Hardware: Required _____ Not Required ____

STEP 7 Woolpile (if needed) specify height:

❑ .250 ❑ .350 ❑ .600 ❑ .650

Specify Rail: ❑ Head ❑ Sill ❑ Left ❑ Right

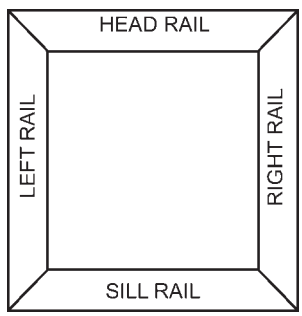
STEP 7 Measure location of hardware and specify on drawing.

Always determine hardware location from the end of corner to either center or pivot point depending on type of hardware.

Fill out the positioning of the hardware below.

Location	Quantity	Number	Position - Number of inches from end (tip or corner)
Installed on HEAD RAIL			
Installed on SILL RAIL			
Installed on LEFT RAIL			
Installed on RIGHT RAIL			

Show Hardware Locations
(Inside Looking Out / Spline on Outside)



Part#	Quantity (see note below)	Size	Price Each	Amount
990E-999		" width X " height		
890-999-1		Window Screen Packaging Charge	$_____	
		Note: On all screen frames screen measurements must be box to box.	TOTAL	
Note: Minimum 2 screens per size & color		**Note: Minimum screen size is 12" x 12". Maximum screen size is 46" x 46". For larger size screen check with your account manager for availability. Quantity minimums may apply along with special packaging and freight charges.**	FREIGHT	

STEP 8 All Custom made window screen orders will not be processed without customer's signature verifying acceptance of our terms and conditions of order.

I understand that this material is not regular stock, but custom made to specifications as stated above. I understand and accept the condition that this material is NON-RETURNABLE and NON-CANCELABLE. A packaging charge of per screen will be assessed for quantities less than 10 of a size. IT IS THE RESPONSIBILITY OF THE CUSTOMER TO INSPECT FOR DAMAGE, AND MAKE THE CLAIM WITH THE CARRIER, AS WE ARE NOT RESPONSIBLE FOR DAMAGE.

Please Note: For all truck deliveries there is a minimum floor charge. There is an additional charge for residential deliveries.

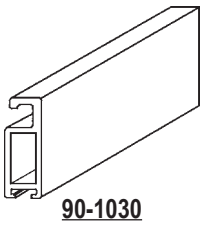
Signature of Authorized Buyer_____ Buyer Phone_____-_____

Title _____

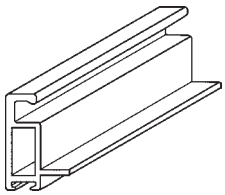
CUSTOM MADE EXTRUDED WINDOW SCREENS

Colors: White (W), Beige (BG), Bronze (BZ), Brown (BR), Ivory (IV) & Almond (AD).
NOTE: Check your specific frame for colors available. Colors not available for all frames.

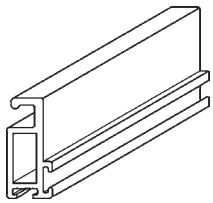
Group 1 - .050 GAUGE



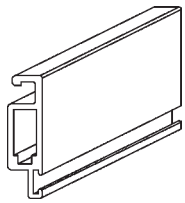
90-1030
(5/16" x 3/4" Box) Plain
Finishes: WH, BZ, BG, BR



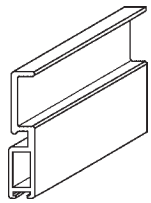
90-1031
(5/16" x 3/4" Box) w/Stopleg
Finishes: WH, BZ, BG, BR



90-1032
(5/16" x 3/4" Box) w/Woolpile
Finishes: WH, BZ, BG, BR

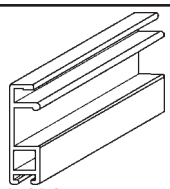


90-1086
(5/16" x 3/4" Box) w/Woolpile
Finishes: WH, BZ, BG, BR

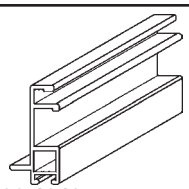


90-1034
(5/16" x 3/4" Box) w/Lift Rail
Finishes: WH, BZ, BG, BR

Group 1A - .050 GAUGE

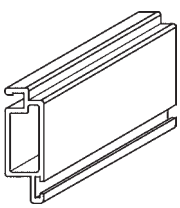


90-1045 (.045 Gauge)
(5/16" x 1") Plain
Finishes: WH, AD

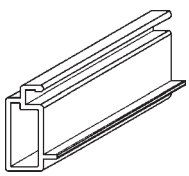


90-1046 (.045 Gauge)
(5/16" x 1") w/Stopleg
Finishes: WH, AD

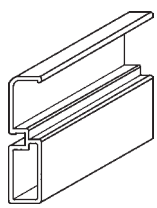
Group 2 - .050 GAUGE



90-1037
(3/8" x 7/8") w/Woolpile
Finishes: WH, BG, BR, IV

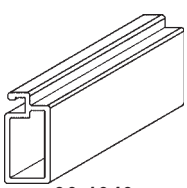


90-1036
(3/8" x 7/8") w/Stopleg
Finishes: WH, BG, BR, IV

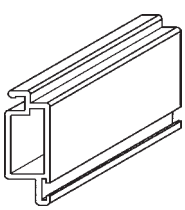


90-1039
(3/8" x 7/8") w/Lift Rail
Finishes: WH

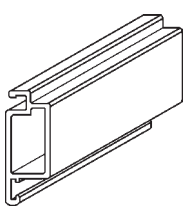
Group 3 - .050 GAUGE



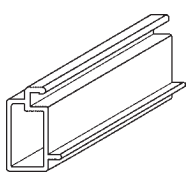
90-1040
(7/16" x 7/8") Plain
Finishes: WH, BG, BR



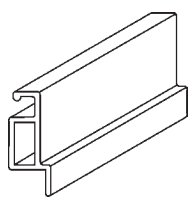
90-1042
(7/16" x 7/8") w/Woolpile
Finishes: WH, BG, BR



90-1043
(7/16" x 7/8") w/Reverse Woolpile
Finishes: WH, BG, BR

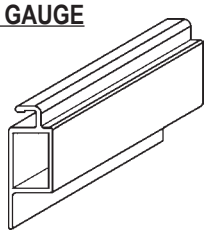


90-1041
(7/16" x 7/8") w/Stopleg
Finishes: WH, BG, BR

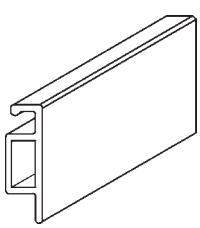


90-1087 (.040 Gauge)
(7/16" x 3/4" x 5/16") Offset
Interior Flange w/Shoulder
Finishes: WH, BZ

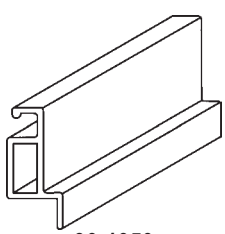
Group 4 - .050 GAUGE



90-1048
(3/8" x 3/4" Box x 5/16" Flange)
For Exterior Application
Finishes: WH, BZ, BG, BR, IV



90-1049
(5/16" x 3/4" Box x 5/16" Flange)
For Interior Applications
Finishes: WH



90-1050
(5/16" x 3/4" Box x 5/16" Flange with Offset)
For Interior Applications
Finishes: WH

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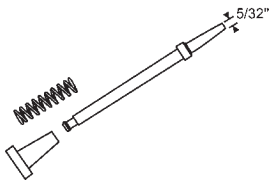
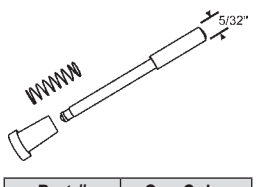
PLUNGER ASSEMBLIES



Part #	Cap Color
90-532	White
90-532B	Black

5/32" Blunt Tip. Metal Plunger



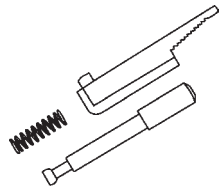
Part #	Cap Color
90-513	White
90-513B	Black

5/32" Metal Plunger. 1-21/32" Long

900-22575
5/32" Special Sharp Metal Plunger

Part #	Cap Color
90-1061	White
90-1061B	Black

5/32" Special Sharp Metal Plunger. Longer Reach



Part #	Cap Color
90-635FT	White

5/32" Flip Type. Metal Plunger

Part #	Hand	Cap Color
90-1059	Shown	White
90-1059LH	Opposite	White
90-1059B	Shown	Black
90-1059BLH	Opposite	Black

5/32" Flip Type, Tapered Point Metal Plunger

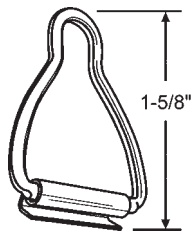
Part #	Cap Color
90-1060	White
90-1060B	Black

5/32" Tapered Point Metal Plunger

Part #	Cap Color
90-1062	White
90-1062B	Black

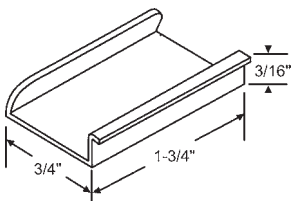
5/32" SNE #2 Metal Plunger

WIRE LOOP LATCH

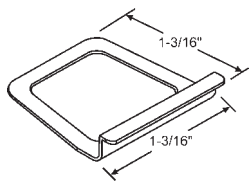


90-103X

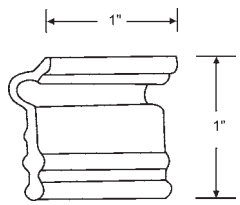
PULL TABS



Part #	Finish
90-118	Aluminum
90-118WH	White
90-118BZ	Bronze

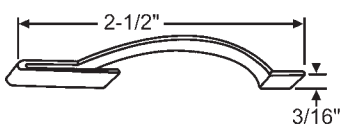


Part #	Finish
900-14950	Natural Nylon
900-14950W	White
900-14950B	Black

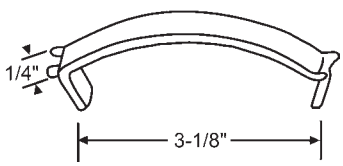


Part #	Finish
90-633	Black rubber flexible
90-634	Black vinyl rigid
90-634G	Gray vinyl rigid

TENSION SPRINGS

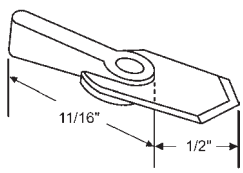


900-17211
Mill



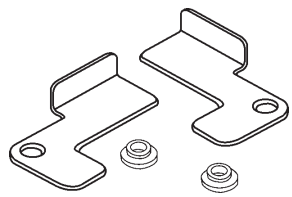
16-158

POINTER LATCH



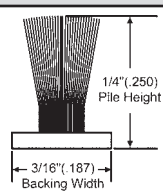
Part #	Finish
900-9823W	White
900-9823	Black

LATCHES

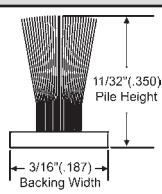


90-384A
Screen Latch Set. LH Only: 90-384. RH Only: 90-385. Bushing Only: 900-7231

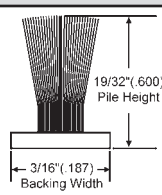
WEATHERSTRIP



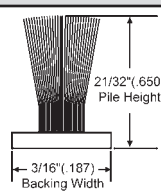
63-21
Gray



63-508
Gray



63-509
Gray



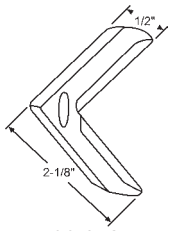
63-510
Gray

SCREEN FRAMES

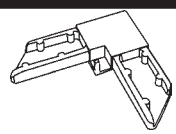
.019 Gauge

Part #	Length	Carton Qty	Wt	Color
90-250	12' 6"	180 lgths	113 lbs.	Mill
90-250AD	12' 6"	180 lgths	113 lbs.	Almond
90-251	12' 6"	180 lgths	113 lbs.	White
90-252	12' 6"	180 lgths	113 lbs.	Bronze
90-253	8'	20 lgths	12 lbs.	Mill
90-254	8'	20 lgths	12 lbs.	White
90-255	8'	20 lgths	12 lbs.	Bronze

Screen frame uses .140-9/64" spline.



90-352
Inside Corner Key
Metal



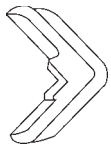
Part #	Color
90-451	Mill
90-451AD	Almond
90-452	White
90-453	Dark Bronze

Outside Corner Key
Plastic

.019 Gauge

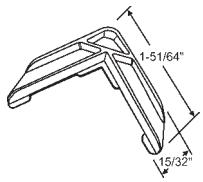
Part #	Length	Carton Qty	Wt	Color
90-232	12' 6"	180 lgths	109 lbs.	Mill
90-233	12' 6"	180 lgths	109 lbs.	White
90-234	12' 6"	180 lgths	109 lbs.	Bronze
90-235	8'	20 lgths	12 lbs.	Mill
90-236	8'	20 lgths	12 lbs.	White
90-237	8'	20 lgths	12 lbs.	Bronze

Screen frame uses .140-9/64" spline.

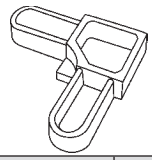


Part #	Color
90-347	Gray
90-348	White
90-349	Dark Bronze

Plastic External



90-346P
Gray
Plastic Internal



Part #	Color
900-21783W	White
900-21783GY	Gray

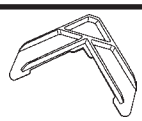
Outside Corner Key. Plastic

PHILIPS

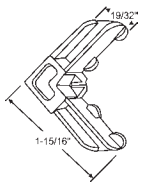
.019 Gauge

Part #	Length	Carton Qty	Wt	Color
90-220	12' 6"	160 lgths	100 lbs.	Mill
90-220AD	12' 6"	160 lgths	100 lbs.	Almond
90-221	12' 6"	160 lgths	100 lbs.	White
90-222	12' 6"	160 lgths	100 lbs.	Bronze
90-223	8'	20 lgths	12 lbs.	Mill
90-223AD	8'	20 lgths	12 lbs.	Almond
90-224	8'	20 lgths	12 lbs.	White
90-225	8'	20 lgths	12 lbs.	Bronze

Screen frame uses .140-9/64" spline.

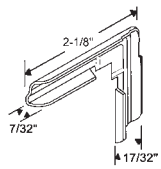


90-106P
Inside Corner Key
Plastic

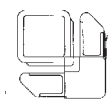


Part #	Color
90-436	Mill
90-436AD	Almond
90-437	White
90-437B	Black
90-438	Bronze

Outside Corner Key. Plastic



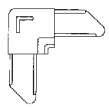
90-106
Inside Corner Key
Metal



Part #	Color
90-437L	White
90437LB	Black

Pull Tab Outside Corner Key

90-437LS
Pull Tab Outside
Corner Key,
w/ Stop. White

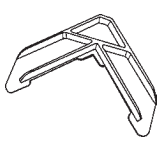


90-437S
Outside Corner Key
w/ Stop, White

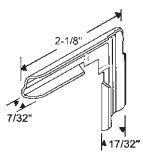
.024 Gauge

Part #	Length	Carton Qty	Wt	Color
90-229	8'	20 lgths	12 lbs.	Mill
90-230	8'	20 lgths	12 lbs.	White
90-231	8'	20 lgths	12 lbs.	Bronze

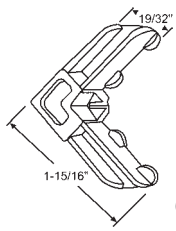
Screen frame uses .140-9/64" spline.



90-106P
Inside Corner Key
Plastic



90-106
Inside Corner Key
Metal



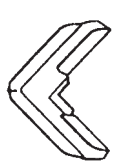
Part #	Color
90-436	Mill
90-436AD	Almond
90-437	White
90-437B	Black
90-438	Bronze

Outside Corner Key. Plastic

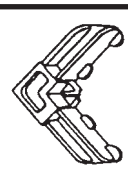
.019 Gauge

Part #	Length	Carton Qty	Wt	Color
90-196	12' 6"	130 lgths	86 lbs.	Mill
90-196AD	12' 6"	130 lgths	86 lbs.	Almond
90-197	12' 6"	130 lgths	86 lbs.	White
90-198	12' 6"	130 lgths	86 lbs.	Bronze
90-199	8'	20 lgths	12 lbs.	Mill
90-199AD	8'	20 lgths	12 lbs.	Almond
90-200	8'	20 lgths	12 lbs.	White
90-201	8'	20 lgths	12 lbs.	Bronze

Screen frame uses .140-9/64" spline.



90-125
Inside Corner Key
Metal



Part #	Color
90-454	Mill
90-455	White
90-456	Bronze

Outside Corner Key. Plastic

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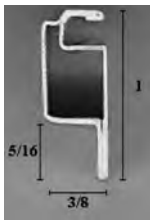
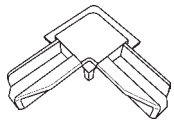
SCREEN FRAMES

.019 Gauge



Part #	Length	Carton Qty	Wt	Color
90-997	12' 6"	120 lgths	98 lbs.	Mill
90-998	12' 6"	120 lgths	98 lbs.	White
90-999	12' 6"	120 lgths	98 lbs.	Bronze
90-1000	8'	15 lgths	12 lbs.	Mill
90-1001	8'	15 lgths	12 lbs.	White
90-1002	8'	15 lgths	12 lbs.	Bronze

Screen frame uses .140-9/64" spline.



Part #	Color
90-1003	Mill
90-1004	White
90-1005	Bronze

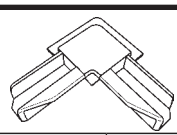
Outside Corner Key. Plastic

.019 Gauge

A Good Substitute For Bayform Series B38LI Frame

Part #	Length	Carton Qty	Wt	Color
90-1117	8'	15 lgths	12 lbs.	Mill
90-1118	8'	15 lgths	12 lbs.	White
90-1119	8'	15 lgths	12 lbs.	Bronze

Screen frame uses .140-9/64" spline.



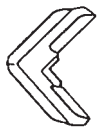
Part #	Color
90-1120	Mill
90-1121	White
90-1122	Bronze

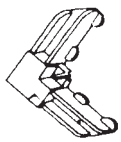
Outside Corner Key. Plastic

.019 Gauge

Part #	Length	Carton Qty	Wt	Color
90-280	12' 6"	120 lgths	90 lbs.	Mill
90-280AD	12' 6"	120 lgths	90 lbs.	Almond
90-281	12' 6"	120 lgths	90 lbs.	White
90-282	12' 6"	120 lgths	90 lbs.	Bronze
90-283	8'	20 lgths	12 lbs.	Mill
90-284	8'	20 lgths	12 lbs.	White
90-285	8'	20 lgths	12 lbs.	Bronze

Screen frame uses .220-7/32" spline.



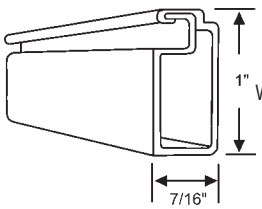


90-463
Inside Corner Key
Metal

Part #	Color
90-460	Mill
90-461	White
90-462	Bronze

Outside Corner Key. Plastic

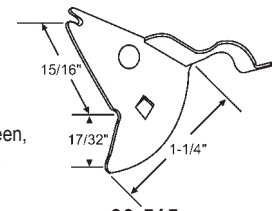
.024 Gauge



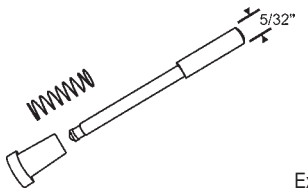
A Good Substitute to Fit Andersen Windows
When substituting for an Andersen screen, use the external plastic corner keys.

Part #	Length	Carton Qty	Wt	Color
90-504M	12' 6"	84 lgths	100 lbs.	Mill
90-504AD	12' 6"	84 lgths	100 lbs.	Almond
90-504W	12' 6"	84 lgths	100 lbs.	White
90-504S	12' 6"	84 lgths	100 lbs.	Stone
90-504BZ	12' 6"'	84 lgths	100 lbs.	Bronze
90-505M	8'	14 lgths	9 lbs.	Mill
90-505W	8'	14 lgths	9 lbs.	White
90-505BZ	8'	14 lgths	9 lbs.	Bronze

Screen frame uses .140-9/64" spline.

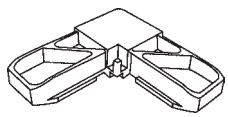


90-515
Butterfly Latch



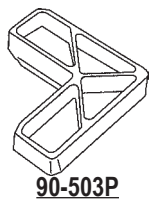
Part #	Cap Color
90-513	White Cap
90-513B	Black Cap

Plunger Pin. 5/32" Diameter Tip

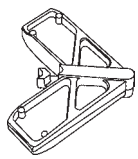


Part #	Color
90M-464	White
90M-464AD	Almond
90M-465	Dark Bronze

External Square Plastic Corner Key



90-503P
Internal Plastic Corner



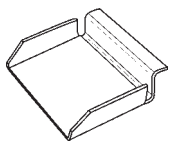
Part #	Color
90-503BZ	Bronze
90-503AD	Almond
90-503W	White
90-503S	Stone

External Plastic Corner Key

.019 Gauge

1/4" x 3/4"
Tubular Cross Brace

Part #	Length	Carton Qty	Wt	Color
90-178	11' 6"	230 lgths	118 lbs.	Mill
90-179	11' 6"	230 lgths	118 lbs.	White
90-180	11' 6"	230 lgths	118 lbs.	Bronze
90-181	8'	20 lgths	12 lbs.	Mill
90-182	8'	20 lgths	12 lbs.	White
90-183	8'	20 lgths	12 lbs.	Bronze

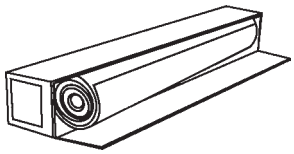


90-313
Cross Brace Insert
Fits 1/4" x 3/4" Cross Brace

SCREEN WIRE & SCREEN CLOTH

Note for Screen Wire and Cloth:

When ordering over $1000 of combined screen wire and cloth, with the exception of SuperScreen™, you will receive free freight dropped shipped from our vendor. Must be placed on a separate order.



Fiberglass 18 x 16 Mesh
100 Foot Roll

Popular package for contractors and for hardware stores that repair screens.

- 011" Diameter
- Easy to Install
- Resilient, Long Lasting
- Fire and Corrosion Resistant
- Will Not Crease, Dent or Unravel
- Withstands All Climates, Salt Air and Industrial Fumes

Width	Charcoal Part #	Gray Part #
16"	69-1	69-2
18"	69-7	69-8
20"	69-13	69-14
22"	69-19	69-20
24"	69-25	69-26
26"	69-31	69-32
28"	69-37	69-38
30"	69-43	69-44
32"	69-49	69-50
34"	69-55	69-56
36"	69-61	69-62
42"	69-67	69-68
48"	69-73	69-74
60"	69-79	69-80
72"	69-85	69-86

Fiberglass 7' Roll

Popular item for home centers and hardware stores. A big do-it-yourself item. Enough to cover two average size windows or one screen door.

Width	Charcoal Part #
30"	69-43-7
36"	69-61-7
48"	69-73-7

Fiberglass 18 x 16 Mesh
600 Foot Roll

(Other Sizes Available)

Width	Charcoal Part #	Gray Part #
16"	69-3	69-4
18"	69-9	69-10
20"	69-15	69-16
22"	69-21	69-22
24"	69-27	69-28
26"	69-33	69-34
28"	69-39	69-40
30"	69-45	69-46
32"	69-51	69-52
34"	69-57	69-58
36"	69-63	69-64
42"	69-69	69-70
48"	69-75	69-76
60"	69-81	69-82
72"	69-87	69-88

Aluminum 18 x 16 Mesh
100 Foot Roll

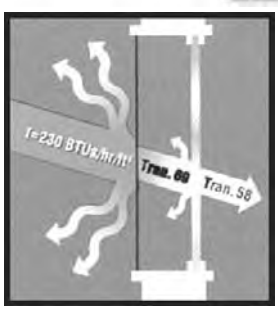
Popular package for contractors and for hardware stores that repair screens.

- 011" Diameter
- Strong and Durable
- Resists Rust, Won't Sag
- Withstands all Climates
- Protective Finish Prevents Corrosion, Strengthens Weave, Enhances Appearance

Width	Bright Part #	Charcoal Part #	Black Part #
16"	69-5	69-6	69-6B
18"	69-11	69-12	69-12B
20"	69-17	69-18	69-18B
22"	69-23	69-24	69-24B
24"	69-29	69-30	69-30B
26"	69-35	69-36	69-36B
28"	69-41	69-42	69-42B
30"	69-47	69-48	69-48B
32"	69-53	69-54	69-54B
34"	69-59	69-60	69-60B
36"	69-65	69-66	69-66B
42"	69-71	69-72	69-72B
48"	69-77	69-78	69-78B
60"	69-83	69-84	69-84B
72"	69-89	69-90	69-90B

Solar Screen Cloth

Solar Screening is an inexpensive and easy to install alternative designed to provide an attractive outdoor appearance while maintaining good visibility from inside with no distortion. It filters sunlight, helps reduce air conditioning bills and lessens fading of carpet, upholstery and drapes. Superior heat resistance and color retention help keep it looking great for years.



Energy-saving sun screening provides maximum solar control and visibility.

Sun Guard 85

(54 x 18 mesh .011" Diameter)

Reflects and dissipates up to 85% of sun's rays entering the building.

Part #	Size	Color
69-S25	24" x 100'	Charcoal
69-S43	30" x 100'	Charcoal
69-S61	36" x 100'	Charcoal
69-S73	48" x 100'	Charcoal
69-S79	60" x 100'	Charcoal
69-S85	72" x 100'	Charcoal

Sun Guard 90

(40 x 40 mesh .011/0.13" Diameter)

Reflects and dissipates up to 90% of sun's rays entering the building.

Part #	Size	Color
69-187	36" x 100'	Charcoal
69-188	48" x 100'	Charcoal
69-189	60" x 100'	Charcoal
69-190	72" x 100'	Charcoal
69-191	96" x 100'	Charcoal

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SCREEN WIRE & SCREEN CLOTH

Pet Screen Cloth

(17 x 11 Mesh .025" Diameter)

Ultra strong screening resists tears and damage by dogs and cats yet still offers superb outward visibility. Ideal for areas where children or pets push against the screen.

Width	Charcoal Part #
36" x 100'	**69-PP61**
36" x 7'	**69-PP61-7**
48" x 100'	**69-PP73**
48" x 7'	**69-PP73-7**

Resistant to tears and damage caused by household pets.

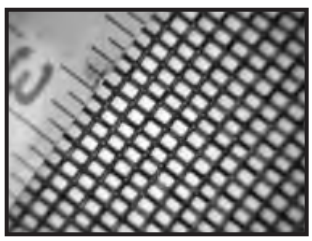
SuperScreen™

The Newest Technology in Enclosure Screen!

The Newest Technology Available in Screen Protection for Pool, Porch and Patio Enclosures, SuperScreen™ is the Perfect Choice for Those Who Demand the Very Best in Safety, High Quality and Long Lasting Home Improvement Products.

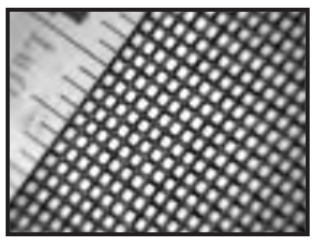
- SuperScreen™ is so durable it has a **10 YEAR LIMITED WARRANTY** and is guaranteed to last.
- SuperScreen™ exceeds Florida's building code requirements of section 553.73 for pool fencing.
- SuperScreen™ is lightweight yet **pet resistant** and is tear and puncture proof.
- SuperScreen™ is a PVC coated polyester fabric that **defy's deterioration**.
- SuperScreen™ is compounded with a **biocide** that **resists bacteria**, fungus and mildew growth. This means that it will retain it's color, longevity and filtering characteristics
- SuperScreen™ is Available in Two Mesh Sizes
  1. The 17 x 14 mesh is the standard size for screens. It blocks out 30% of harmful UV rays of the sun.
  2. The 17 x 20 mesh blocks out 50% of the harmful UV rays of the sun.
- The fine smaller mesh size is superior in **protecting** against mosquitoes and small insects.
- SuperScreen™ is .022 gauge, has the **flexibility** of fiberglass screen fabric, yet the **durability** of the thickest pet screens on the market.
- SuperScreen™ is being used on homes adjacent to golf courses to **protect** from errant golf balls.

SuperScreen™ Comes in Two Mesh Sizes



The 17 x 14 mesh size offers the clearest viewing when sitting on a porch or balcony and looking out at the landscape, while still protecting you from flies, mosquitoes and other small insects. The 17 x 14 mesh blocks out 30% of the harmful UV rays and lets the good rays in that lets your plants flourish.

Black 17 x 14 Mesh	
Size 100' Roll	Part #
36"	**69-151**
48"	**69-152**
60"	**69-153**
72"	**69-154**
84"	**69-156**
96"	**69-157**
108"	**69-159**
120"	**69-160**

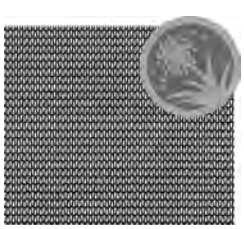


The 17 x 20 mesh is a little smaller so it keeps out some of the smaller insects. Yet, it allows you to view your landscape with little to no distortion. The 17 x 20 mesh blocks out 50% of the harmful UV rays and still lets in the good rays to help your plants grow.

Black 17 x 20 Mesh	
Size 100' Roll	Part #
36"	**69-162**
48"	**69-163**
60"	**69-164**
72"	**69-165**
84"	**69-167**
96"	**69-168**
108"	**69-170**
120"	**69-171**

Charcoal Pollen Guard Screen Cloth

Reduce your exposure to airborne allergens with Pollen Guard Screen Cloth.



Pollen Guard screen is specially designed to block up to 50% more particles than standard fiberglass insect screen. Pollen Guard screen is a unique polyester knit fabric that creates a barrier for most pollen, dust, and other allergen particles making it ideal for allergy sufferers. The particles become trapped by the special knit design keeping your air inside clean.

Pollen Guard screen allows air to flow in while keeping dust and pollen particles out. No need to keep the windows closed during allergy season, now you can keep your windows open and enjoy the breeze!

Pollen Guard screen is easy to install and is available in 36" x 100' and 48" x 100' rolls. We recommend using .140" spline for the best fit in a standard frame channel.

Part #	Size
69-132	36" x 100'
69-133	48" x 100'

SCREEN WIRE & SCREEN CLOTH

Pool, Porch & Patio Fiberglass Screen Cloth

(18 x 14 Mesh .013" Diameter)

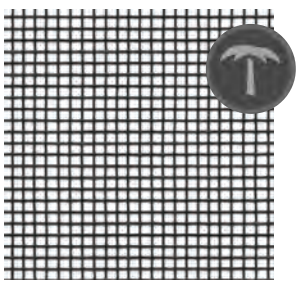
Charcoal

Pool, Porch & Patio Screening is for use in pool, patio and sun room enclosures. It offers superior strength and durability.

Part #	Size
69-P61	36" x 100'
69-P62	42" x 100'
69-P73	48" x 100'
69-P74	54" x 100'
69-P79	60" x 100'
69-P80	66" x 100'
69-P85	72" x 100'
69-P86	78" x 100'
69-P92	84" x 100'
69-P93	90" x 100'
69-P96	96" x 100'
69-P97	102" x 100'
69-P108	108" x 100'

Florida Glass Screen

(18 x 14 mesh .013" diameter)



Part #	Size	Color
69-P1	36" x 25'	Charcoal

Florida Screen is a fiberglass screen that is laminated for use on the bottom part of an enclosure. It is normally used from the chair rail to pool and patio deck.

Features and Benefits

Laminated to keep out grass clippings and bugs
Provides increased privacy

Viper - Vision perfect

(18 x 18 mesh .009" diameter)

Charcoal

Viper Screen provides better visibility than our standard fiberglass screen by using an enhanced tighter weave and finer mesh woven from smaller refined yarns. Viper not only offers a maximized view, but also provides better airflow and more light.

Features and benefits of Viper include:

- 20% thinner yarn for enhanced visibility, greater light transmission and airflow
- Smaller opening than the standard screen provides better insect protection
- Smaller yarns increases appearance of screen and curb appeal

Part #	Size
69-V7	18" x 100'
69-V25	24" x 100'
69-V37	28" x 100'
69-V43	30" x 100'
69-V49	32" x 100'
69-V55	34" x 100'
69-V61	36" x 100'
69-V73	48" x 100'
69-V79	60" x 100'
69-V85	72" x 100'

No-See-Um Fiberglass Screen Cloth

(20 x 20 Mesh .013" Diameter)

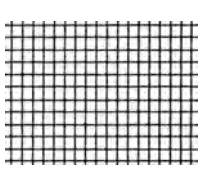
Charcoal

Finer mesh screening to protect against no-see-ums, gnats, sand flies, and other tiny, irritating insects common in low marshy areas.

Width	Charcoal Part #
36" x 100'	69-61NSM
48" x 100'	69-73NSM
60" x 100'	69-79NSM

Bronze Screening

(18 x 14 Mesh .011" Diameter)



Bronze

Our heavy-duty solid bronze insect screening is designed for fabrication of high quality window screens and screen doors. It is woven of .011" solid bronze wire into an 18 X 14 mesh.

Width	Bright Bronze Part #
24" x 100'	69-29BR
30" x 100'	69-47BR
36" x 100'	69-65BR
48" x 100'	69-77BR

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SCREEN SPLINE

Gray & Black Vinyl Hollow **Ribbed** Spline

Replacement spline for metal and fiberglass screening available in 100 ft., 250 ft., 500 ft. and 1,000 ft. spools.

Sold by Spools

250 Foot Spools

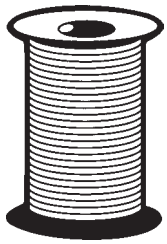
Part # Gray	Part # Black	Trade Size	Decimal Size
66-2	66-2B	1/8"	.120
66-6	66-6B	9/64"	.140
66-10	66-10B	11/64"	.165
66-14	66-14B	3/16"	.187
66-18	66-18B	15/64"	.230
66-22	66-22B	1/4"	.250

1/8" (.120) 9/64" (.140) 11/64" (.165) 3/16" (.187) 15/64" (.230) 1/4" (.250)

Gray & Black Vinyl Hollow **Ribbed** Spline (Continued)

500 Foot Spools

Part # Gray	Part # Black	Trade Size	Decimal Size
66-3	66-3B	1/8"	.120
66-7	66-7B	9/64"	.140
66-11	66-11B	11/64"	.165
66-15	66-15B	3/16"	.187
66-19	66-19B	15/64"	.230
66-23	66-23B	1/4"	.250



Sold by Spools

1000 Foot Spools

Part # Gray	Part # Black	Trade Size	Decimal Size
66-4	66-4B	1/8"	.120
66-8	66-8B	9/64"	.140
66-12	66-12B	11/64"	.165
66-16	66-16B	3/16"	.187
66-104	66-104B	7/32"	.220
66-20	66-20B	15/64"	.230

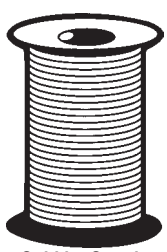
1/8" (.120) 9/64" (.140) 11/64" (.165) 3/16" (.187) 15/64" (.230) 1/4" (.250)

Gray & Black Vinyl Hollow **Round** Spline

Replacement spline for metal and fiberglass screening. Available in 200 ft., 750 ft., and 1,000 ft. spools.

200 Foot Spools

Part # Gray	Part # Black	Trade Size	Decimal Size
66-64	66-65	1/8"	.125
66-68	66-69	9/64"	.140
66-72	66-73	5/32"	.156
-	66-77	11/64"	.172
66-80	66-81	13/64"	.203



Sold by Spools

1000 Foot Spools

Part # Gray	Part # Black	Trade Size	Decimal Size
66-27	66-27B	7/32"	.220
66-62	66-63	1/8"	.125
66-66	66-67	9/64"	.140
66-70	66-71	5/32"	.156
-	66-75	11/64"	.172
-	66-79	13/64"	.203
	66-87	1/4"	.250

1/8" (.125) 9/64" (.140) 5/32" (.156) 11/64" (.172) 13/64" (.203) 15/64" (.234) 1/4" (.250)

Solid Black **Foam** Spline

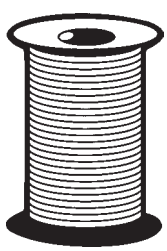
Replacement spline for metal and fiberglass screening. Available in 500 ft., 1,000 ft., 1,500 ft. and 3,000 ft. spools.

500 Foot Spools

Part # Black	Decimal Size
66-40	.135
66-42	.140
66-44	.150
66-46	.155
66-48	.170
66-50	.235
66-52	.250

1000 Foot Spools

Part # Black	Decimal Size
66-41	.135
66-43	.140
66-45	.150
66-47	.155
66-49	.170
66-51	.235
66-53	.250
66-60M	.270



Sold by Spools

- Solid Black Foam Spline produced with only 100% virgin materials.
- User friendly -helps reduce operator fatigue.
- The softness of solid black foam spline allows it to be easily inserted in channels and allows easy cornering.
- Helps reduce customers' inventory.
- One size will work for several different screen channels.

1500 Foot Spools

Part # Black	Decimal Size
66-57	.235
66-34	.250

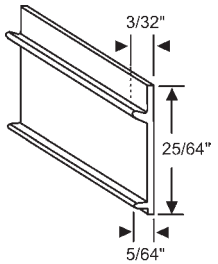
3000 Foot Spools

Part # Black	Decimal Size
66-54	.135
66-30	.140
66-55	.150
66-56	.155
66-31*	.170

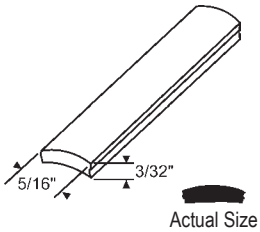
(* 2700 Foot spools only)

.135 .140 .150 .155 .170 .235 .250 .270

SCREEN DOOR SPLINE

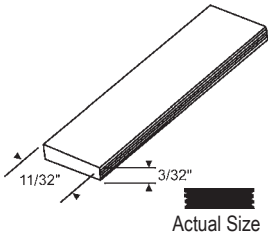


66-61X
Vinyl Screen Spline. Black
Sold in 100' Rolls
FOREVER DOOR



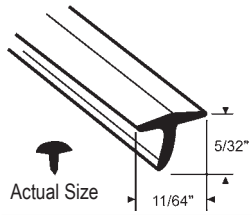
Part #	Length
16-240B	100 ft. Roll
16-240BM	1000 ft. Roll

Flat Spline. Black



Part #	Length
16-239	100 ft. Roll
16-239X	750 ft. Roll

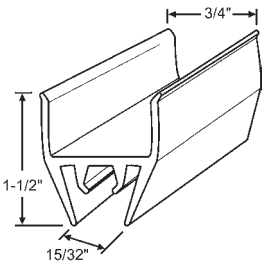
Flat Spline. Black
PEACHTREE



Part #	Length
16-241	100 ft. Roll
16-241M	1000 ft. Roll

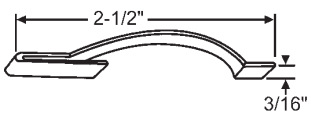
Black Spline made of polyethylene. Used with fiberglass cloth for patio screen doors.

VINYL ASTRAGAL

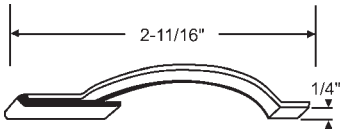


16-437-96
Black Vinyl
96" Lengths.
Minimum order 5" Lengths

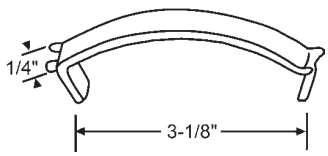
TENSION SPRINGS



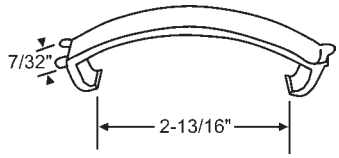
Part #	Description
900-17211	Steel
900-17211SS	Stainless Steel



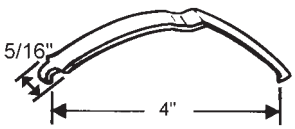
90-498



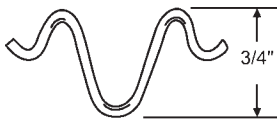
16-158



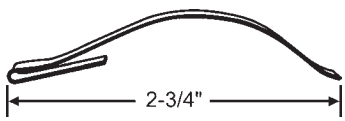
900-17011



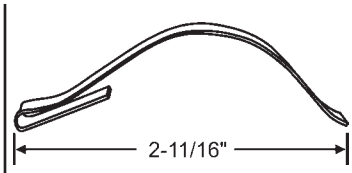
90-98



900-12221
Ram Horn Spring

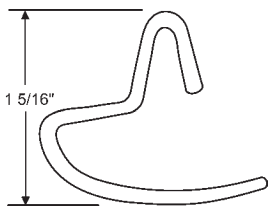


900-18037
3/16" Wide

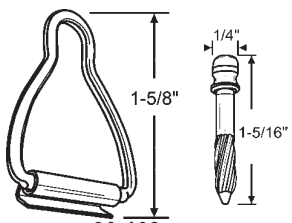


90-628
1/4" Wide

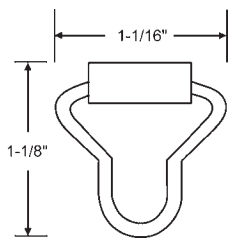
WIRE LOOP LATCHES



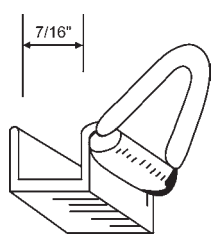
90-127



90-103
Wire Loop Latch Set
90-103X Loop Only
20-019 Screw Only

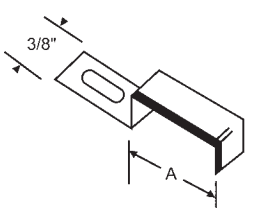


90-104
Small Loop Latch. Used with Ball Head Screw 20-019



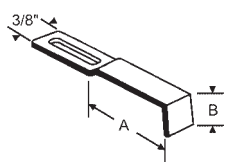
900-9851
Slip-On Type
Aluminum Finish

ALUMINUM STRETCH CLIPS



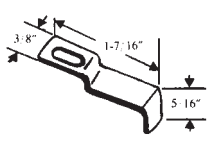
Part #	"A"	"B"	Part #	"A"	"B"
90-1096	5/8"	1/8"	90-58	3/4"	5/16"
90-60	5/8"	1/4"	90-58BZ	3/4"	5/16"
90-68	5/8"	5/16"	90-58W	3/4"	5/16"
90-65	11/16"	1/4"	90-59	3/4"	3/8"
90-1095	11/16"	5/16"	90-62	13/16"	9/32"
90-1097	11/16"	17/64"	90-55	7/8"	5/16"
90-72	11/16"	9/32"			
90-61	11/16"	3/8"			

Aluminum

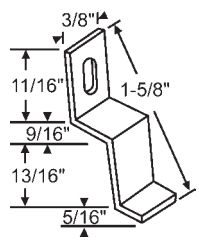


Part #	"A"	"B"
90-67	11/16"	11/32"
90-64	7/8"	5/16"

Aluminum



90-69
Aluminum



90-1068
Aluminum

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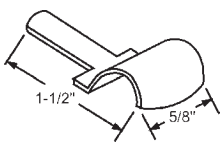
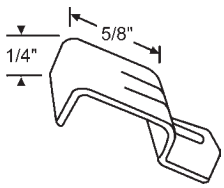
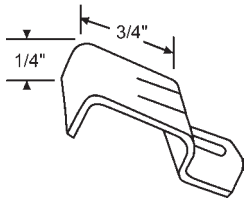
ALUMINUM STRETCH CLIPS



90-850
OLD MIAMI

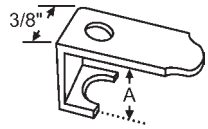


33-101N
Jalousie Screen Clip
KELLER



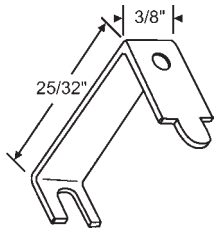
90-848
Screen Clip
AIR CONTROL

CEE CLIPS



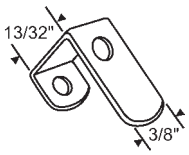
Part #	"A"
90-30	3/16"
90-31	1/4"
90-32	3/8"
90-33	7/16"
90-34	5/16"

Aluminum

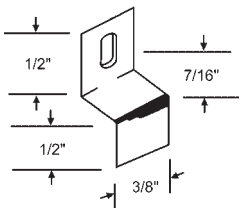


90-27SS
Stainless Steel

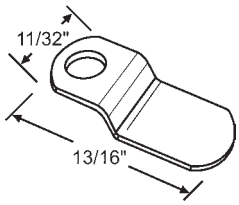
ZEE CLIPS



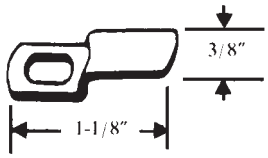
90-1098



Part #	Description
90-52	Stainless Steel

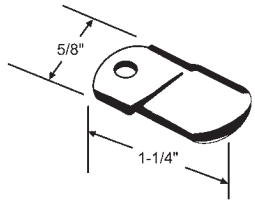


90-1009
1/8" Offset. Aluminum



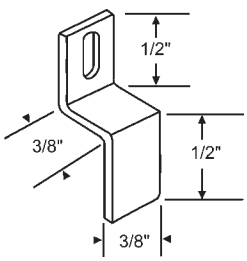
Part #	Offset
90-47	3/16"
90-49	5/16"
90-50	3/8"

Aluminum

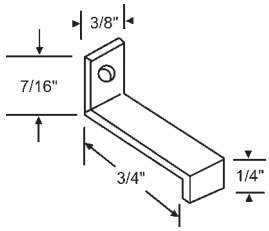


90-46
1/16" Offset
Aluminum

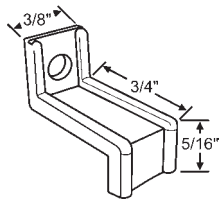
DIMPLE CLIPS



90-724
Stainless Steel

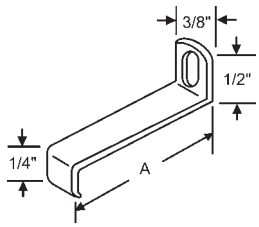


90-44
Aluminum



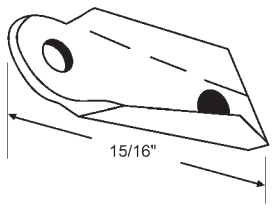
Part #	Color
90-907B	Black
90-907W	White

SECURITY



Part #	"A"
90-40	1"
90-41	1-1/8"
90-42	1-1/2"
90-43	1-5/8"
900-7017*	1-3/4"

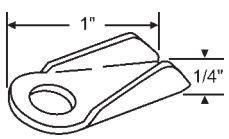
Aluminum
*Large minimum required



Part #	Hole Size	Dimple Size
90-73	3/16"	Small
90-80	5/32"	Small

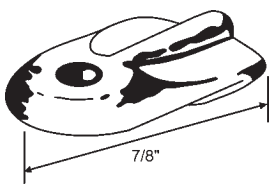
Aluminum

WING CLIP



90-1094
9/32" Dia. Hole.
Aluminum

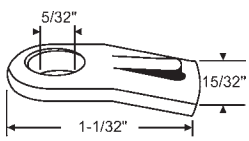
FLAT NYLON WING CLIPS



Part #	Color
90-77	White
90-77B	Black
90-77A	Almond
90-77C	Clear

Nylon - 1/8" Hole

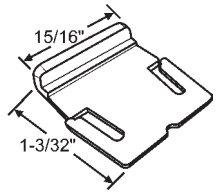
CLIP



Part #	Color
90-552	Clear
90-552W	White

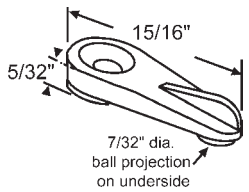
3/32" Offset

90-847
YALE OGRON



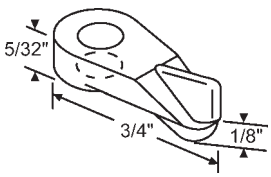
90-1157W
White Nylon
SILVER LINE

PLASTIC SWIVEL CLIPS



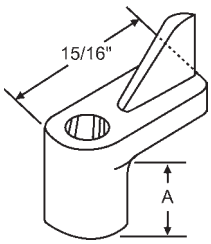
Part #	Color
900-1497	Natural

Screen Clip Flush

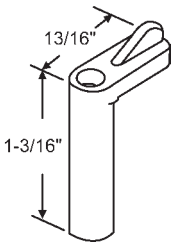


Part #	Color
900-1426	White
900-1426B	Black

5/32" Hole
SEASONALL



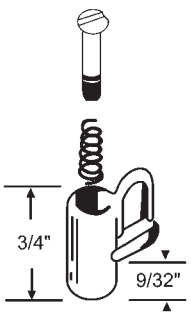
Part #	"A"	Hole Size	Color
90-834	Flush	3/16"	Natural
90-834BL	Flush	3/16"	Black
90-78	1/16"	3/16"	Natural
90-78B	1/16"	3/16"	Black
900-1457	1/16"	3/16"	Clear
90-381	3/16"	3/16"	White
90-381NAT	3/16"	3/16"	Natural
90-381GY	3/16"	3/16"	Grey
90-837	1/4"	3/16"	Natural
90-332	5/16"	3/16"	White
90-332BR	5/16"	3/16"	Brown
90-379	3/8"	3/16"	Natural
90-379BR	3/8"	3/16"	Brown
90-379G	3/8"	3/16"	Gray
90-380	7/16"	3/16"	Natural
90-380WH	7/16"	3/16"	White



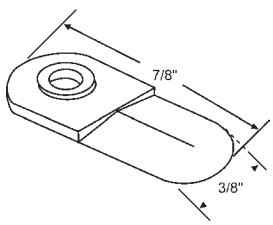
Part #	Color
90-727WX	White
90-727BX	Black

Casement Clip.
Uses Part #20-427 Screw.

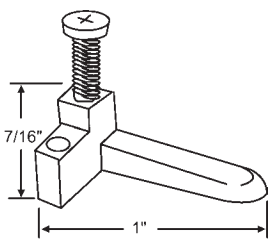
DIE CAST CLIPS



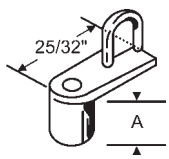
90-101P
Clip Assembly. Natural



900-7113
1/32" Offset

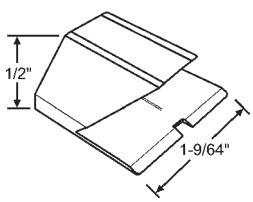


90-99
Washer & Screw Included



Part #	"A"	Hole Size
90-158	Flush	3/16"
90-81	3/16"	3/16"
90-82	1/4"	3/16"
90-83	5/16"	3/16"
90-84	3/8"	3/16"
90-85	7/16"	3/16"

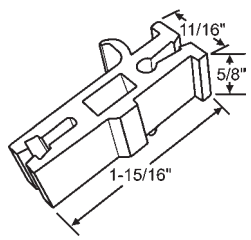
MUNTIN CLIPS



Part #	Color
90-995W	White
90-995BZ	Bronze

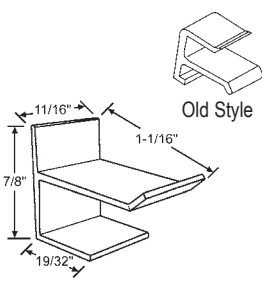
Nylon
NU-AIR

GLAZING CLIP

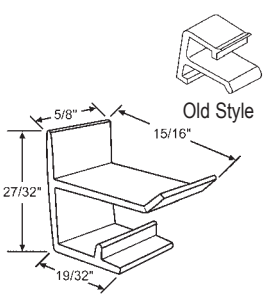


900-5371MODB
White Plastic
ALSCO ANACONDA

SCREEN CLIPS

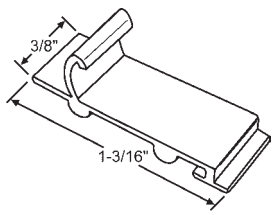


900-5687
Top Screen Clip, Black
BELKNAP



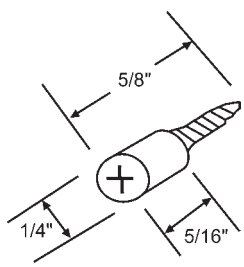
900-5688
Bottom Screen Clip, Black

RETAINER CLIP



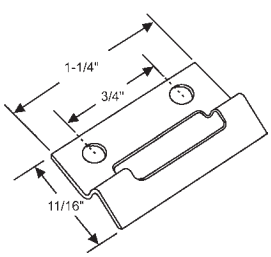
90-839
White Nylon
Screen Spring Retainer Clip
PATRIOT

PIVOT POST



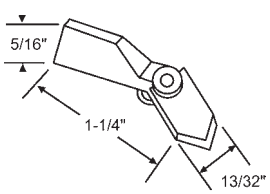
900-9351
ACORN

HANGER

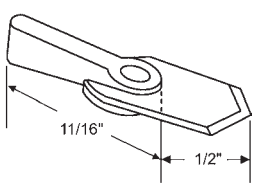


900-7098
Female Hanger
JIM WALTERS

POINTER LATCH

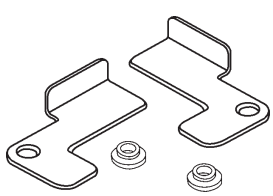


Part #	Color
90-124	White
90-124B	Black

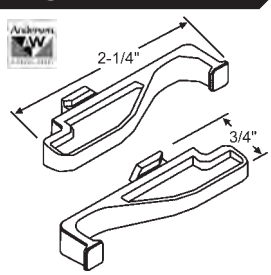


Part #	Color
900-9823	Black
900-9823W	White
900-9823N	Natural

LATCHES



90-384A
Screen Latch Set
LH Only: 90-384. RH Only: 90-385
Bushing Only: 900-7231

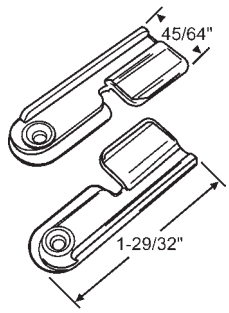


Part #	Color
750-0873293	Stone
750-0873292	White

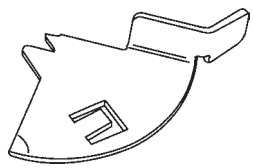
Screen Latch Set

AZA SALES
TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

LATCHES

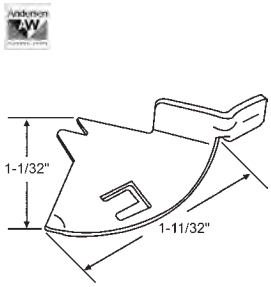


900-21432
Clear Plastic
PEACHTREE

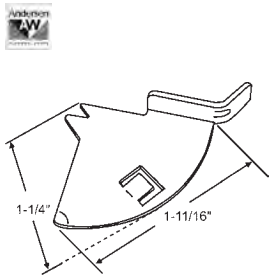


Part #	Hand
90-383	Shown
90-382	Opposite

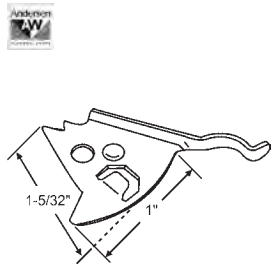
Knife Latch. Mill



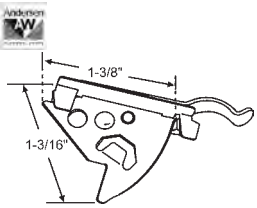
750-2962208
Pair



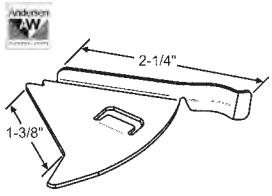
750-2962214
Pair



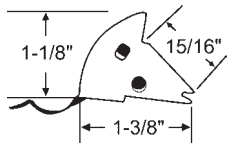
750-2962218
Pair



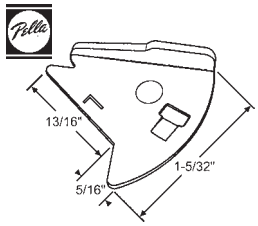
750-2962202
Pair. Stone Finish



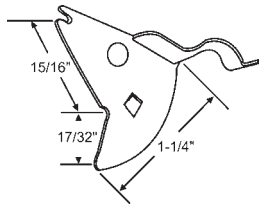
750-2962216
Pair



90-506
Pair

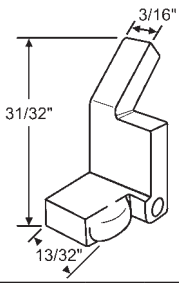


90-883A
Sold in Sets Only (LH Shown)



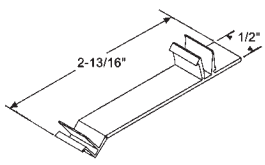
90-515
Pair (LH/RH)
Stainless Steel

SLIDE LATCHES

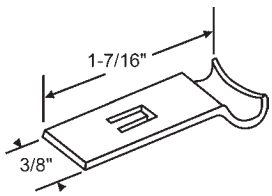


Part #	Color	Screw
900-9352	White	No
900-9352B	Black	No
900-9352A	White	Yes
900-9352BA	Black	Yes

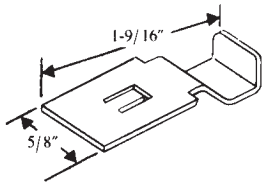
Nylon Screen Latch
ACORN



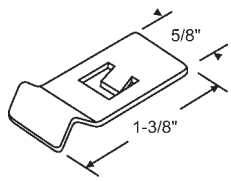
900-18585
Black Vinyl Screen Latch
MALTA



90-90
Aluminum

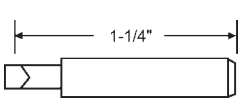


90-91
Aluminum

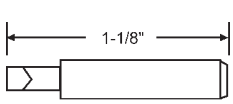


Part #	Color
90-715	Bronze
90-715W	White
90-715M	Mill

FIXED PINS

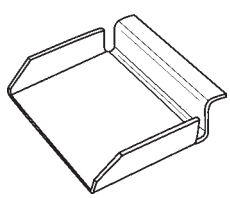


90-698
5/32" x 1-1/4"
Aluminum



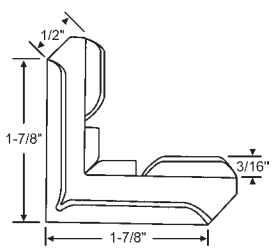
Part #	Description
900-21792	5/32" Plunger
900-21747	7/32" Plunger

CROSS BRACE INSERT



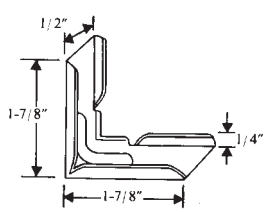
90-313
Fits 1/4" x 3/4" Cross Brace

SCREEN CORNERS



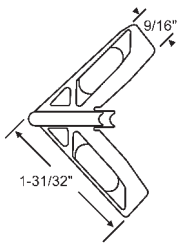
Part #	Color
90-125	Mill
90-125B	Black

Metal



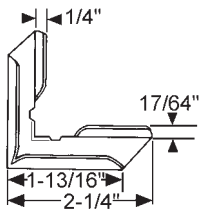
90-106
Metal

SCREEN CORNERS

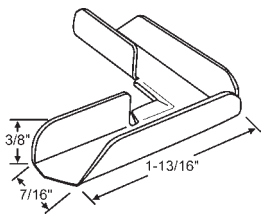


Part #	Color
90-865TN	Tan
90-865	White
90-865BZ	Bronze

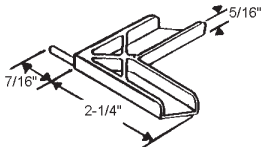
Plastic



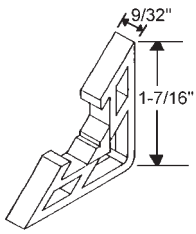
90-487
Metal



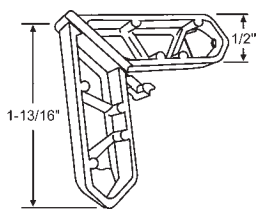
90-350
Beige. Aluminum



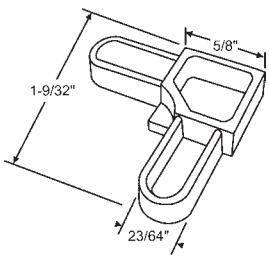
900-13515
Black
ACORN



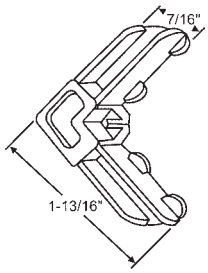
900-10679B
Black
SEASONALL



900-16634
Champagne

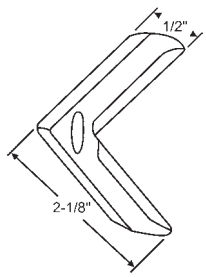


Part #	Color
900-21783W	White
900-21783GY	Gray
900-21783B	Black

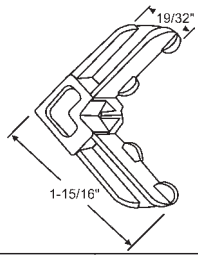


Part #	Color
90-347	Gray
90-348	White
90-349	Dark Bronze

Plastic
FLORIDA SCREEN

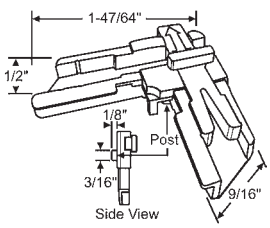


90-352
Metal



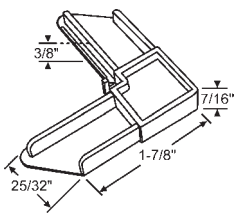
Part #	Color
90-436	Gray
90436AD	Almond
90-437B	Black
90-437	White
90-438	Dark Bronze

Plastic



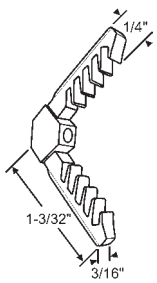
Part #	Color
90-437PS	White
90-437PSB	Black

Locking Screen Corner with Post.
Slider on both is Black

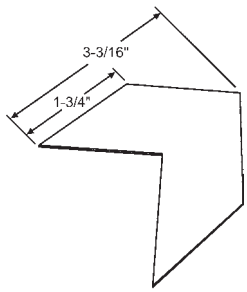


Part #	Color
900-19936	Beige
900-19936WH	White

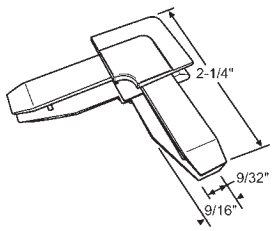
Plastic. Fits Kolbe



90-931W
White

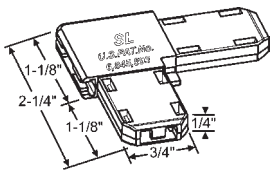


90-1080
1/16" Thick
TRACO

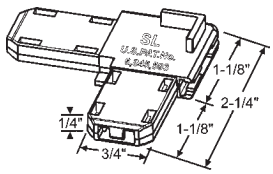


Part #	Color
90-884	White

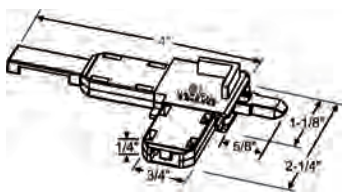
Set (LH & RH)



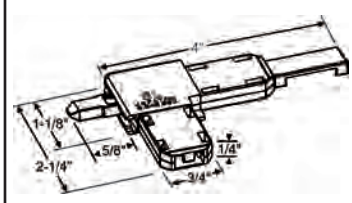
90-1128LHW
Plastic Screen Corner Without Stop. White
SILVER LINE



90-1128RHW
Plastic Screen Corner With Stop. White
SILVER LINE



90-1067RHW
Plastic Screen Corner with Stop & Latch. White
SILVER LINE



90-1067LHW
Plastic Screen Corner without Stop & Latch. White
SILVER LINE

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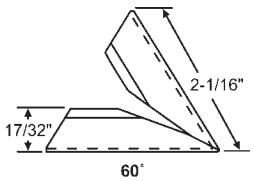
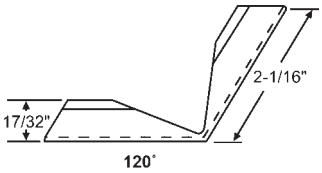
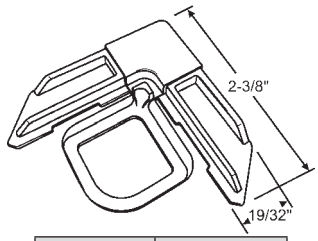
SCREEN CORNERS



90-978
60° Aluminum Corner for 3/8" x 3/4" Screen Frame
BAYFORM



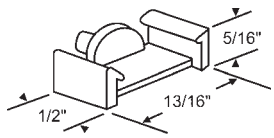
90-979
120° Aluminum Corner for 3/8" x 3/4" Screen Frame
BAYFORM



Part #	Color
90-955IV	Ivory
90-955SND	Sandstone

Corner with Pull Tab
BAYFORM

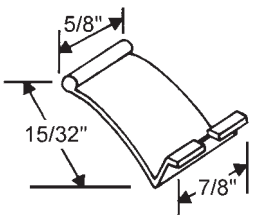
GRILLE FASTENER



900-1451C
Clear

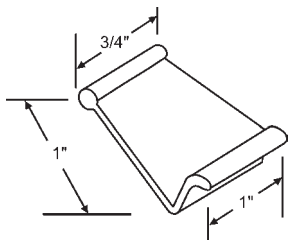
LIFTS & PULL TABS

Lifts Packaged 25 Per Bag



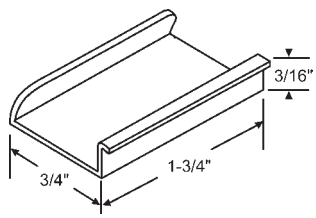
Part #	Color
90-116	Natural
90-116B	Black

Vinyl



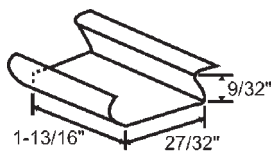
Part #	Color
90-117	Natural
90-117B	Black

Nylon



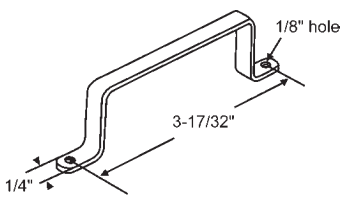
Part #	Color
90-118	Mill
90-118WH	White
90-118BZ	Bronze

Aluminum

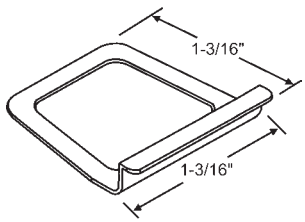


Part #	Color
90-378	Mill

Aluminum

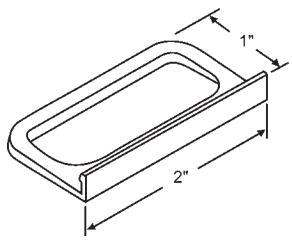


90-390
Flat Aluminum Handle, Mill



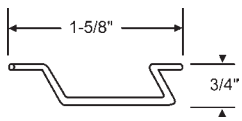
Part #	Color
900-14950	Natural
900-14950B	Black
900-14950W	White

Nylon



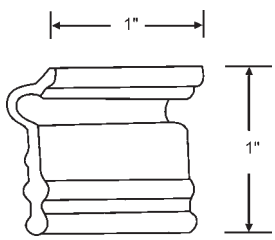
Part #	Color
900-12883	Natural
900-12883B	Black

Nylon

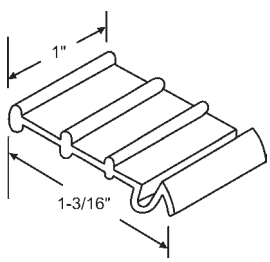


90-377
Wire Lift

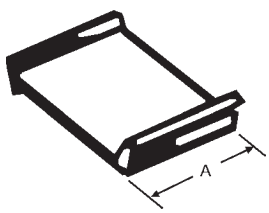
750-1631110
Screen Finger Pull



Part #	Color
90-633	Black rubber flexible
90-634	Black vinyl rigid
90-634G	Gray vinyl rigid



90-129
Plastic, Black

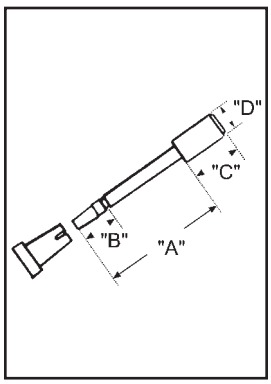


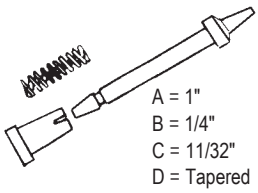
Part #	Color	"A"
90-785	White	3/4"
90-376	Black	1"
90-376GY	Gray	1"

Vinyl

SPRING PLUNGERS

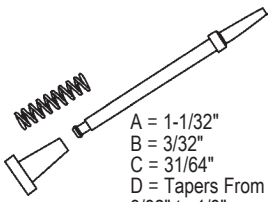
In Order by Tip Outside Diameter





A = 1"
B = 1/4"
C = 11/32"
D = Tapered

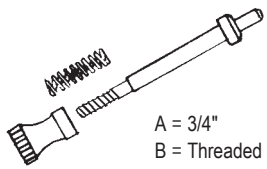
90-15
Snap-On Plastic Knob, White



A = 1-1/32"
B = 3/32"
C = 31/64"
D = Tapers From 3/32" to 1/8"

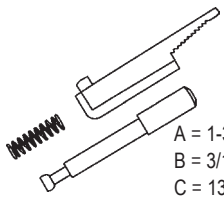
Part #	Knob
90-532	White
90-532B	Black

Blunt Tip Plunger Assembly
Plastic Knob, Black



A = 3/4"
B = Threaded
C = 5/16"
D = 1/8"

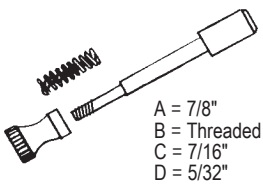
90-22
Metal Screw-On Knob



A = 1-3/16"
B = 3/16"
C = 13/32"
D = 5/32"

Part #	Knob	Hand
90-635FT	White	RH
90-635FTL	White	LH

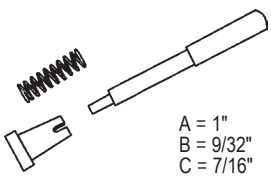
Flip Type



A = 7/8"
B = Threaded
C = 7/16"
D = 5/32"

Part #	Spring Length
90-21	1/2"
90-21MOD	7/8"
90-21MOD-SS	7/8" Stainless Steel

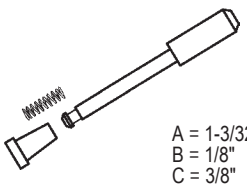
Screw-On Metal Knob
Metal Plunger
PGT



A = 1"
B = 9/32"
C = 7/16"
D = 5/32"

Part #	Knob
90-136	White
90-136B	Black

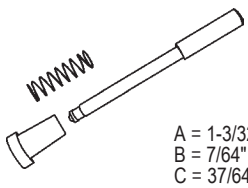
Snap-On Plastic Knob,
Metal Plunger



A = 1-3/32"
B = 1/8"
C = 3/8"
D = 5/32"

Part #	Knob
90-635	White
90-635B	Black

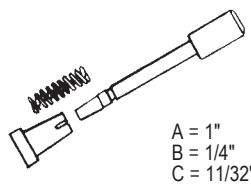
Metal Plunger



A = 1-3/32"
B = 7/64"
C = 37/64"
D = 5/32"

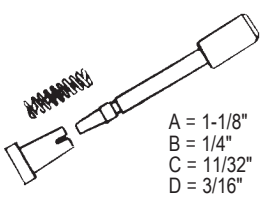
Part #	Knob
90-513	White
90-513B	Black

For Use with 1" Frame



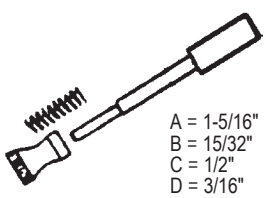
A = 1"
B = 1/4"
C = 11/32"
D = 3/16"

90-23
Snap-On Knob, White Plastic
Metal Plunger



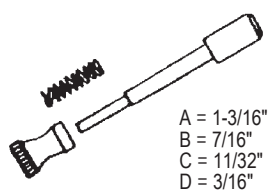
A = 1-1/8"
B = 1/4"
C = 11/32"
D = 3/16"

90-20
Snap-On Knob, White Plastic
Metal Plunger



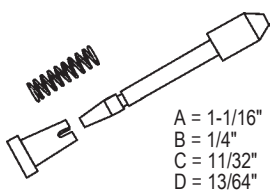
A = 1-5/16"
B = 15/32"
C = 1/2"
D = 3/16"

900-7070
Stake-On Knob
Metal Knob and Plunger



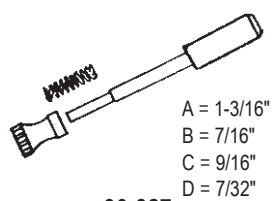
A = 1-3/16"
B = 7/16"
C = 11/32"
D = 3/16"

90-322
Stake-On Knob
Metal Knob and Plunger



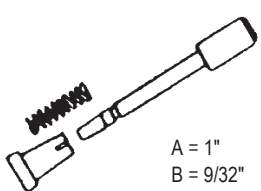
A = 1-1/16"
B = 1/4"
C = 11/32"
D = 13/64"

90-12
Snap-On Knob, White
Plastic



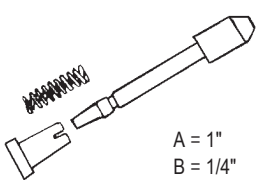
A = 1-3/16"
B = 7/16"
C = 9/16"
D = 7/32"

90-327
Stake-On Knob
Metal Knob and Plunger



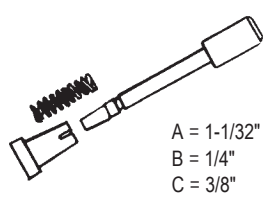
A = 1"
B = 9/32"
C = 11/32"
D = 7/32"

90-312
Snap-On Knob, White Plastic
Metal Plunger



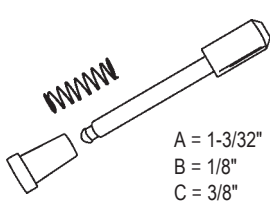
A = 1"
B = 1/4"
C = 3/8"
D = 7/32"

90-14
Snap-On Plastic Knob, White



A = 1-1/32"
B = 1/4"
C = 3/8"
D = 7/32"

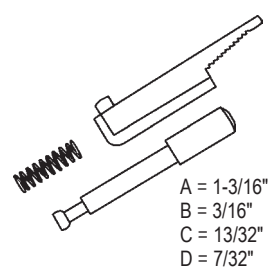
90-11
Snap-On Plastic Knob, Black



A = 1-3/32"
B = 1/8"
C = 3/8"
D = 7/32"

Part #	Knob
900-9850	White
900-9850B	Black

Snap-On Plastic Knob, Metal
Plunger



A = 1-3/16"
B = 3/16"
C = 13/32"
D = 7/32"

Part #	Knob	Hand
900-9850FT	White	RH
900-9850FTL	White	LH

Flip Type

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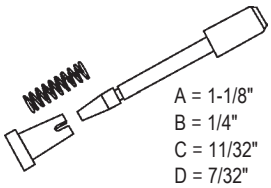
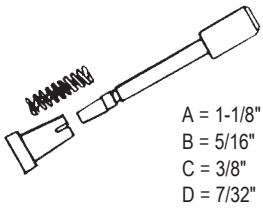
TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

SPRING PLUNGERS

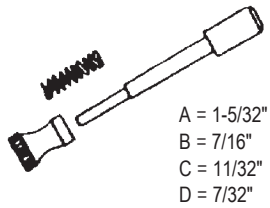


Part #	Knob
90-24	White
90-24B	Black

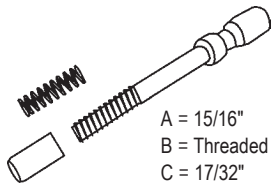
Snap-On Plastic Knob, Metal Plunger



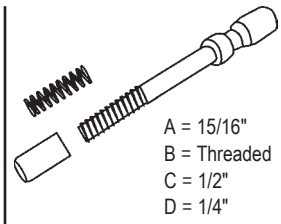
90-13
Snap-On Plastic Knob, White Plastic Plunger



90-375
Stake-On Metal Knob Metal Plunger



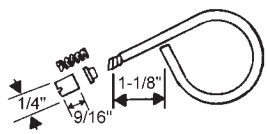
90-371
Metal Screw-On Knob Metal Plunger



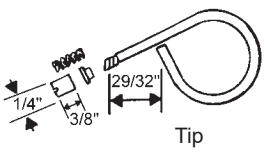
90-370
Metal Screw-On Knob Metal Plunger

FRICTION HANGERS

LATCH SET

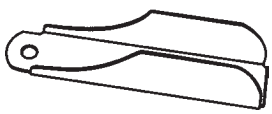


90-514
P-Type Plunger Assembly for 1" Frame

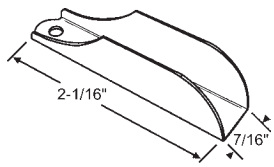


Tip

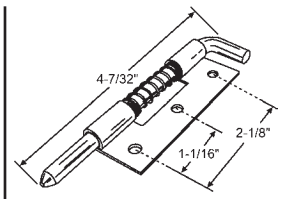
90-25



Part #	Frame Thickness	Color
90-120	3/8"	Aluminum
90-389	7/16"	Aluminum
90-389W	7/16"	White
90-389BZ	7/16"	Bronze



90-611
White

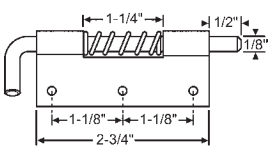


90-736
Low Profile Latch Set
Sold in Sets Only.

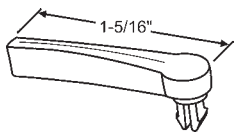
SCREEN LATCH HANDLE & FINGER

GUIDE INSERT

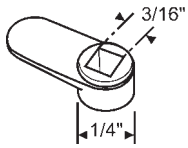
WARNING LABEL



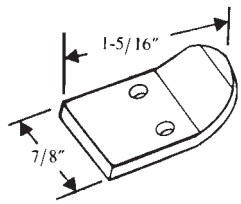
90-1108
Sold in Sets Only.
RH Shown



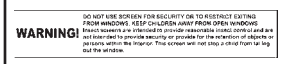
90-889W
Latch Handle. White
SILVER LINE



90-888W
Latch Finger. White
SILVER LINE



90-96
Nylon

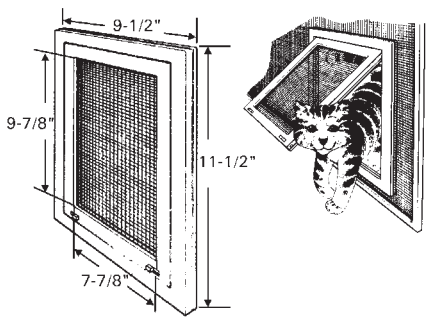


500-287
1000 Per Roll. 1/2" x 2-3/4"

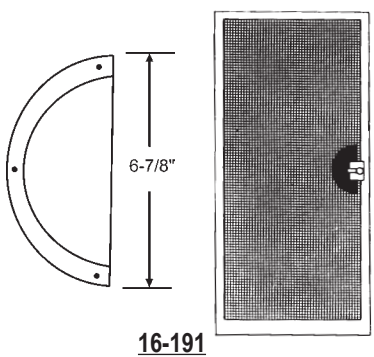
PET SCREEN DOOR

SCREEN SHIELD

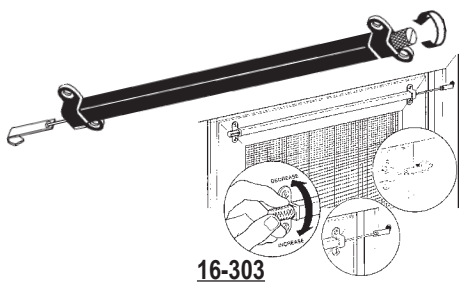
AUTOMATIC SCREEN DOOR CLOSER



990-2
Pet Screen
Bronze



16-191
Screen Shield. Protects Screening Around Door Handle. Snaps Together. Durable Plastic



16-303
Screen Door Closer with Screws. Black. Fits Patio Screen Doors 36" and Larger. Simple Installation Takes Only Minutes. Block And Tackle Design Provides Smooth Operation.

CUSTOM MADE EXTRUDED ALUMINUM WICKET & HOPPER SCREENS ORDER FORM

Customer Name: _____ **Account Number** _____

Contact: _____ **Phone Number** _____

Part#	Quantity	Cost
990W-999		

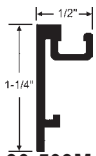
Signature _____ **Date** _____

For Commercial & Institutional Application

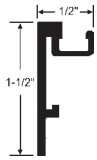
1. Select Frame Profile/Color

Frame: .050 Gauge, 6063 T5 Aluminum Alloy

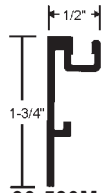
90-531M ☐



90-509M ☐



90-497M ☐



90-530M ☐

☐ Mill
☐ Bronze
☐ White

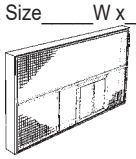
2. Select Screen Wire

☐ Bright Aluminum ☐ Charcoal Aluminum ☐ Gray Fiberglass ☐ Charcoal Fiberglass

3. Select Type

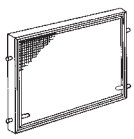
☐ Single Wicket Screen
☐Hinged ☐Sliding

Wicket Size_____W x_____H



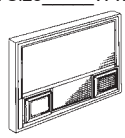
Center slide wickets should be no more than 1/3 width of screen

☐ Hopper Screen



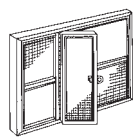
☐ Double Wicket Screen
☐Hinged ☐Sliding

Wicket Size_____W x_____H



Double slide wickets should be no more than 1/4 width of screen

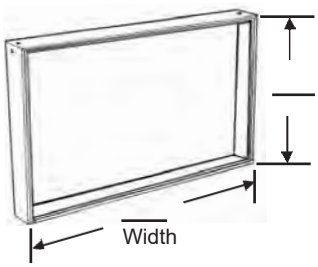
☐ Full Height Hinged Wicket Screen



☐ Other

_____
(Specify)

4. Screen Size: _____ W x _____ H



5. Quantity _____

6. Measuring Instructions:

For Hardware to be Installed

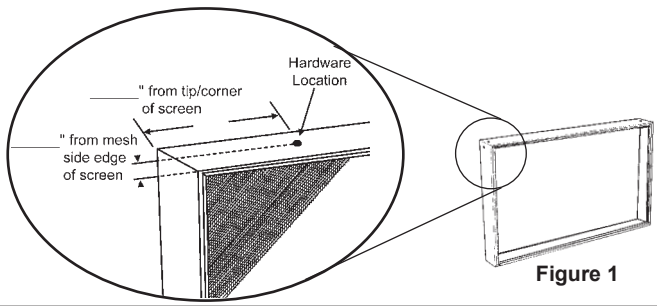
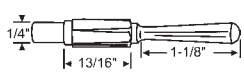


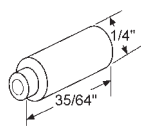
Figure 1

7. Hardware & Hardware Location:

- Hardware to be installed on _____ rail (See Figure 2). Part No._____
  Location:_____ " from tip/corner of screen (See Figure 1)
  _____ " in from mesh side edge of screen (See Figure 1)
- Hardware to be installed on _____ rail (See Figure 2). Part No._____
  Location:_____ " from tip/corner of screen (See Figure 1)
  _____ " in from mesh side edge of screen (See Figure 1)
- Hardware to be installed on _____ rail (See Figure 2). Part No._____
  Location:_____ " from tip/corner of screen (See Figure 1)
  _____ " in from mesh side edge of screen (See Figure 1)
- Hardware to be installed on _____ rail (See Figure 2). Part No._____
  Location:_____ " from tip/corner of screen (See Figure 1)
  _____ " in from mesh side edge of screen (See Figure 1)



90-100NS



90-551

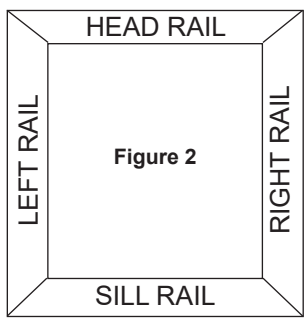


Figure 2

IMPORTANT: Hardware must be located by position. In the spaces above please indicate both height & width AND depth of frame.

Please Call for Pricing and Delivery

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WWW.AZAHARDWARE.COM

CUSTOM MADE EXTRUDED ALUMINUM WICKET SCREENS WITH PLASTIC WICKET ORDER FORM

Customer Name: _____ Account Number _____

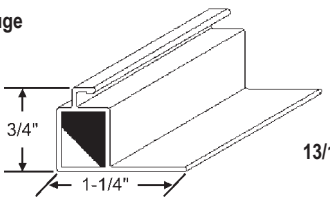
Contact: _____ Phone Number _____

Part#	Quantity	Screen Size	Cost
990W-999		" width **X** " height	

Signature _____ Date _____

EXTRUDED ALUMINUM WICKET SCREENS WITH PLASTIC WICKETS

.050 Gauge



13/16" Stand Off

90-1047
(7/16" x 13/16" x 3/4") Offset

Description
with Fiberglass Mesh
with Aluminum Mesh

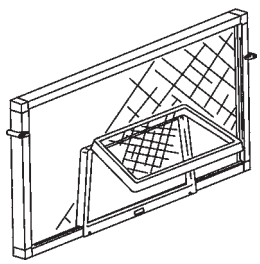
1. Select Frame Color: ☐ Mill ☐ Bronze ☐ White ☐ Beige

2. Select Wicket Color: ☐ Black ☐ White ☐ Gray ☐ Dark Bronze (Brown)

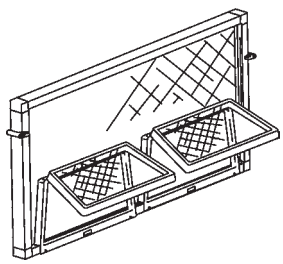
3. Select Screen Wire: ☐ Bright Aluminum ☐ Charcoal Aluminum ☐ Gray Fiberglass ☐ Charcoal Fiberglass

4. Select Wicket Type: NOTE: Minimum 2 Screens per size & color

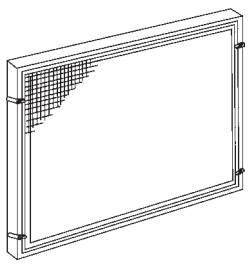
☐ Single Hinged Wicket Screen

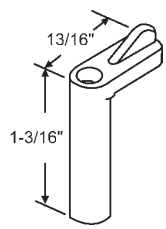


☐ Double Hinged Wicket Screen



☐ Hopper Screen



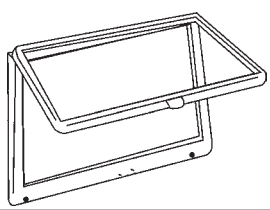


Notes:
1. Plastic Hinged Wicket is 10-1/8" Wide x 6-1/8" High
2. All Wicket Screens come Standard with 90-727 Swivel Clips.

Please call for pricing and delivery. A packaging charge will be assessed for quantities less then 10.
An additional charge will be assessed for each wicket attached to screen

PLASTIC HINGED WICKETS ONLY

For Casement or Awning Type Window Screens



Part #	Color
900-15154	Gray
900-15154W	White
900-15154B	Black
900-15154DB	Dark Bronze (Brown)

- Snap-Type Latch for Sure Closure
- Allows Easy Access to Operator
- Install Your Own Matching Wire
- Pop Rivet to Screen Frame
- Size: 10-1/8" x 6-1/8"
- Very Economical
- Hinges Full 180°

CUSTOM MADE PATIO SCREEN DOOR ORDER FORM

Account# _____ **Salesman** _____ **Page#** _____ **of** _____

Sold To: _____ **Ship To:** _____

Purchase Order# _____ **Date** _____ **Quoted By** _____

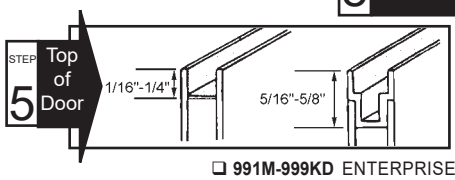
STEP 1 **Determine style and material of door**
- ❑ Custom Roll Form Aluminum
- ❑ Custom Roll Form Steel
- ❑ Multi-Fit Roll Form Aluminum
- ❑ Custom Extruded Aluminum

STEP 2 **Determine finish**
- ❑ Mill (Aluminum Doors) - Not Available for MOOSE
- ❑ Gray (Steel Doors)
- ❑ White
- ❑ Bronze
- ❑ Other _____

STEP 3 **Select screen cloth or screen wire**
- ❑ Charcoal Fiberglass (standard)
- ❑ Gray Fiberglass
- ❑ Bright Aluminum
- ❑ Charcoal Aluminum
- ❑ Other _____
- ❑ None (Apply's only to Riviera, Deluxe, Regal & Majestic Knocked Down Doors)

STEP 4 **Select type of wheel**
- ❑ Nylon
- ❑ Steel
- ❑ Stainless Steel

STEP 5 **Determine head and sill rail depth**
(Note: Deep head/sill only available on assembled Apollo custom aluminum doors)
- ❑ 1/16" to 1/4" (standard)
- ❑ 5/16" to 5/8"



STEP 6 **Lock Assembly Location:**
- ❑ Centered (Reversible)
- ❑ Inches_____

Measure from the top of the sill track bead up to the center of the existing keeper.

View from the Inside Looking Out: ❑ RH ❑ LH (check one)

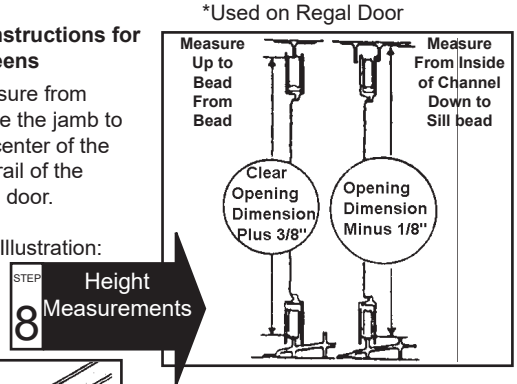
STEP 7 **Bug Seal:**
- ❑ Vinyl Bug Flap - Circle Size: 7/8" 1-1/8" 1-1/2"
- ❑ Wool Pile - Circle Size: .250" .350" .370"* .380" .450" .500" .580"* .600" .650" .750"

*Used on Regal Door

STEP 8 **Measuring Instructions for Custom Screens**

Width: Measure from inside the jamb to the center of the first rail of the fixed door.

Height: See Illustration:



STEP 9 **Select Part Number, Quantity & Size**

- ❑ **991M-999** ENTERPRISE Custom Roll Form Steel - Assembled
- ❑ **997M-999** BOSS Heavy Duty Custom Roll Form Steel - Assembled
- ❑ **992M-999** APOLLO Custom Roll Form Aluminum - Assembled
- ❑ **995M-999** TITAN Classic Custom Extruded Aluminum - Assembled
- ❑ **998M-999** TITAN Contemporary Custom Extruded Aluminum - Assembled
- ❑ **996-999** MOOSE Custom Extruded Aluminum - Assembled
- ❑ **999M-999** GEMINI Custom Extruded Aluminum - Assembled
- ❑ **995F-999** DELUXE Custom Extruded Aluminum - Assembled
- ❑ **998F-999** REGAL Custom Extruded Aluminum - Assembled
- ❑ **996F-999** MAJESTIC Custom Extruded Aluminum - Assembled
- ❑ **999F-999** RIVIERA Custom Extruded Aluminum - Assembled

- ❑ **991M-999KD** ENTERPRISE Custom Roll Form Steel - Knocked Down
- ❑ **997M-999KD** BOSS Heavy Duty Custom Roll Form Steel - Knocked Down
- * ❑ **992M-999KD** APOLLO Custom Roll Form Aluminum - Knocked Down
- ❑ **995M-999KD** TITAN Classic Custom Extruded Aluminum - Knocked Down
- ❑ **998M-999KD** TITAN Contemporary Custom Extruded Aluminum - Knocked Down
- ❑ **996-999KD** MOOSE Custom Extruded Aluminum - Knocked Down
- ❑ **999M-999KD** GEMINI Custom Extruded Aluminum - Knocked Down
- ❑ **995F-999KD** DELUXE Custom Extruded Aluminum - Knocked Down
- ❑ **998F-999KD** REGAL Custom Extruded Aluminum - Knocked Down
- ❑ **996F-999KD** MAJESTIC Custom Extruded Aluminum - Knocked Down
- ❑ **999F-999KD** RIVIERA Custom Extruded Aluminum - Knocked Down

***Note: Cloth and Spline are not included with Apollo Knocked Down Doors**

Part#	Quantity	Size	Price Each	Amount
		_____" width x _____" height		
891-999-3		Less than 10 charge	$_____	
891-999-1		Less than 5 charge	$_____	
891-999-2		Top Hung System	$_____	
			TOTAL	
			FREIGHT	

I understand that this material is not regular stock, but custom made to specifications as stated above. I understand and accept the condition that this material is NON RETURNABLE and NON-CANCELABLE. **See Specific Series for Prepaid Freight Terms.** IT IS THE RESPONSIBILITY OF THE CUSTOMER TO INSPECT FOR DAMAGE, AND MAKE THE CLAIM WITH THE CARRIER, AS WE ARE NOT RESPONSIBLE FOR DAMAGE.

***Please Note*: Carrier charges continue to fluctuate. Please call for delivery charges.**

Signature of Authorized Buyer_____ Buyer Phone_____-_____

Title _____

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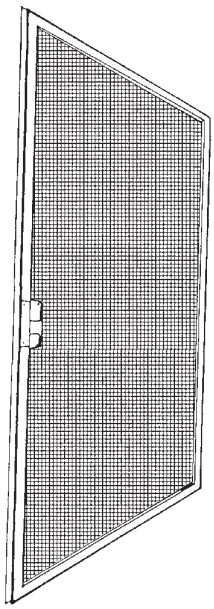
STEEL CUSTOM PATIO SCREEN DOORS



- Vinyl Bug Flap (Standard)
- Reversible for right or left hand doors
- Available in Gray or Charcoal Fiberglass Cloth (Standard)
- Replaces Patio Screen Doors with 1/16" to 3/16" sill/track bead height
- Each door includes: latch, keeper, rollers, bug seal and instructions
- Spring loaded latch will not break when door is slammed
- Custom made to fit width and height openings
- Frame size is 1/2" thick x 1-5/8" wide
- Frame size is 1-3/4" thick x 2" wide (Boss Steel Heavy Duty)
- Additional charges apply for steel rollers.
- Additional charges apply for stainless steel rollers & coastal hardware.
- Additional charges apply for aluminum wire.
- Additional charges apply for woolpile.
- Freight: FOB Shipping Point

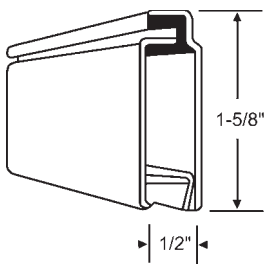
Top Hung System Now Available for Top Rolling Application!

Includes top hung adapter & track. Additional charges apply.

NOTE: Minimum 2 per size per color

Steel Custom Made Patio Screen Doors ENTERPRISE - 991M-999 (Standard)

Made of .019 Gauge Roll form Steel
Colors Available: Gray, White, Almond, Beige, Sandstone, Bronze

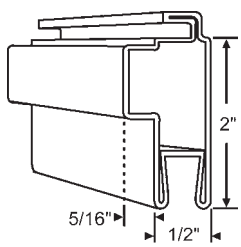


PRE-ASSEMBLED & KNOCKED DOWN

Width x Height
up to 33" x up to 83"
up to 39" x up to 83"
up to 51" x up to 83"
up to 61" x up to 83"
up to 33" x up to 96"
up to 39" x up to 96"
up to 51" x up to 96"

Steel Custom Made Patio Screen Doors BOSS - 997M-999 (Heavy Duty)

Made of .019 Gauge Roll form Steel
Colors Available: Gray, White, Almond, Bronze



PRE-ASSEMBLED & KNOCKED DOWN

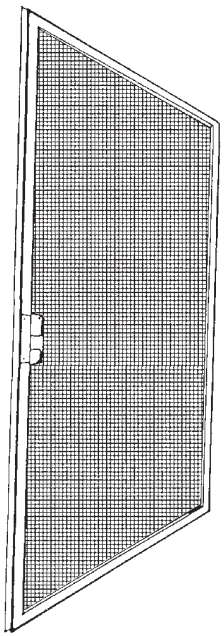
Width x Height
up to 33" x up to 83"
up to 39" x up to 83"
up to 51" x up to 83"
up to 61" x up to 83"
up to 33" x up to 96"
up to 39" x up to 96"
up to 51" x up to 96"
up to 61" x up to 96"

Steel Custom Made Patio Screen Doors are not Available with Deephead and Deepsill.

Pre-Assembled Steel & Aluminum Roll Form Doors are sold either 10 per color per size or 5 per color per size. Any quantity other than a multiple of 10 or 5 will be assessed with a single packaging charge per screen.

CARRIER CHARGES CONTINUE TO FLUCTUATE. PLEASE CALL FOR DELIVERY CHARGES

ALUMINUM CUSTOM PATIO SCREEN DOORS



- Vinyl Bug Flap (Standard)
- Reversible for right or left hand doors
- Available in Gray or Charcoal Fiberglass Cloth (Standard)
- Replaces patio screen doors with 1/16" to 3/16" sill/track bead height
- Each door includes: latch, keeper, rollers, bug seal and instructions
- Spring loaded latch will not break when door is slammed
- Custom made to fit width and height openings
- Frame size is 1/2" thick x 1-5/8" wide
- Additional charges apply for steel rollers.
- Additional charges apply for stainless steel rollers & coastal hardware.
- Additional charges apply for aluminum wire.
- Additional charges apply for woolpile.
- Freight: FOB Shipping Point

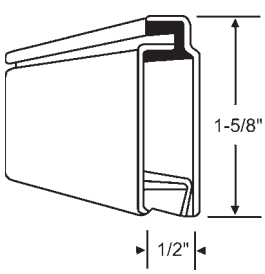
NOTE: Minimum 2 per size per color

Top Hung System Now Available for Top Rolling Application!

Includes top hung adapter & track. Additional charges apply.

Aluminum Custom Made Patio Screen Doors
APOLLO - #992M-999

Made of .038 Gauge Roll form Aluminum
Colors Available: Mill, White, Almond, Bronze



PRE-ASSEMBLED*

Width x Height
up to 33" x up to 83"
up to 39" x up to 83"
up to 51" x up to 83"
up to 61" x up to 83"
up to 33" x up to 96"
up to 39" x up to 96"
up to 51" x up to 96"

KNOCKED DOWN - #992M-999KD

Width x Height
24" to 30" x up to 80"
31" to 36" x up to 80"
37" to 48" x up to 80"
49" to 60" x up to 80"
24" to 30" x up to 96"
31" to 36" x up to 96"
37" to 48" x up to 96"
49" to 60" x up to 96"

A more cost effective way to order Patio Screen Doors
Save on Freight Costs • Less Storage Space Needed • Build as You Need

Pre-Assembled Steel & Aluminum Roll Form Doors are sold either 10 per color, per size or 5 per color per size. Any quantity other than a multiple of 10 or 5 will be assessed with a single packaging charge per screen.

CARRIER CHARGES CONTINUE TO FLUCTUATE. PLEASE CALL FOR DELIVERY CHARGES.

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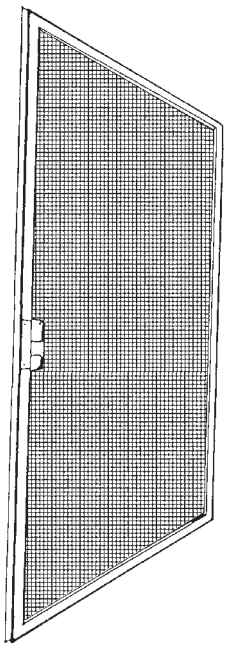
ALUMINUM KNOCKED DOWN PATIO SCREEN DOORS

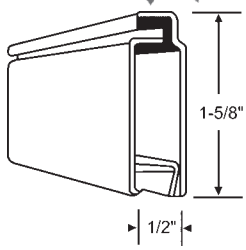
APOLLO

Aluminum Rollform



- Frame size is 1/2" thick x 1-5/8" wide
- Reversible for right or left hand doors
- Made of .038 Gauge Rollform Aluminum
- Above doors are WITHOUT cloth or spline
- Spring loaded latch will not break when door is slammed
- Each door includes: latch, keeper, rollers and bug seal.
- Comes standard with nylon wheels.
- Replaces Patio Screen Doors with 1/16" to 3/16" sill/track bead height
- Additional charges apply for steel rollers.
- Note: Maximum cut is 1/2" from each end of width, without having to re-drill hole.

IN STOCK for IMMEDIATE SHIPMENT



COMBINE SIZES TO GET QUANTITY DISCOUNTS

Part #	Size	Color
92-1KD	30" x 81"	Mill
92-2KD	30" x 81"	Bronze
92-3KD	30" x 81"	White
92-4KD	36" x 81"	Mill
92-5KD	36" x 81"	Bronze
92-6KD	36" x 81"	White
92-7KD	48" x 81"	Mill
92-8KD	48" x 81"	Bronze
92-9KD	48" x 81"	White

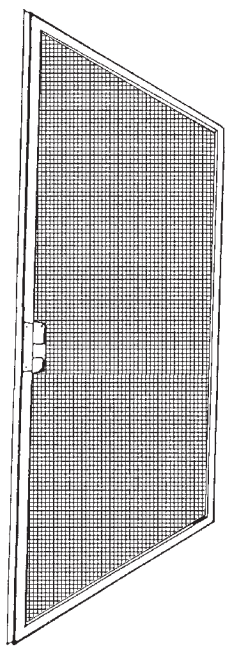
The Above Screen Frame Uses .140 - 9/64" Spline

ALUMINUM CUSTOM PATIO SCREEN DOORS

GEMINI

Custom Extruded

999M-999



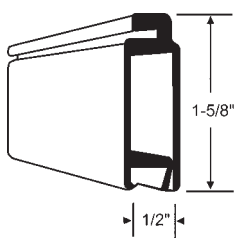
- Vinyl Bug Flap (Standard)
- Reversible for right or left hand doors
- Available in Gray or Charcoal Fiberglass Cloth (Standard)
- Available in Mill, Bronze, Almond, White, Beige
- Replaces Patio Screen Doors with 1/16" to 3/16" sill/track bead height
- Each door includes: latch, keeper, rollers, bug seal and instructions
- Spring loaded latch will not break when door is slammed
- Custom made to fit width and height openings
- Prices are for Standard Patio Screen Doors
- Frame size is 1/2" thick x 1-5/8" wide
- Additional charges apply for steel rollers.
- Additional charges apply for stainless steel rollers & coastal hardware.
- Additional charges apply for aluminum wire.
- Additional charges apply for woolpile.
- Freight: FOB Shipping Point

NOTE: Minimum 2 per size per color

Made of .040 Gauge Extruded Aluminum

Width x Height
up to 33" x up to 83"
up to 39" x up to 83"
up to 51" x up to 83"
up to 61" x up to 83"
up to 33" x up to 96"
up to 39" x up to 96"
up to 51" x up to 96"
up to 61" x up to 96"

Note: Gemini doors are available in K/D form.



Top Hung System Now Available for Top Rolling Application!

Includes top hung adapter & track. Additional charges apply.

Pre-Assembled Steel & Aluminum Roll Form Doors are sold either 10 per color, per size or 5 per color per size. Any quantity other than a multiple of 10 or 5 will be assessed with a single packaging charge per screen.

CARRIER CHARGES CONTINUE TO FLUCTUATE. PLEASE CALL FOR DELIVERY CHARGES.

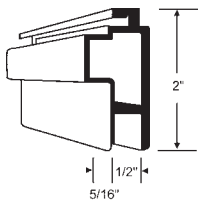
ALUMINUM CUSTOM PATIO SCREEN DOORS

TITAN

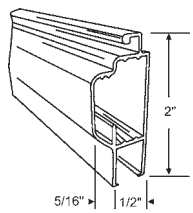
Custom Extruded
995M-999 - Classic
998M-999 - Contemporary

- Frame size 1/2" x 2" wide
- Reversible for right or left hand doors
- Custom made to fit width and height openings
- Made of heavy duty .040 gauge extruded aluminum
- Available In mill, white, bronze, almond and beige
- Available In two designs: classic and contemporary
- Comes standard with top adjusting nylon roller, upgraded handle system, and vinyl bug flap
- Each door includes: latch, keeper, and instructions
- Affordable upgrade from a roll formed door
- Additional charges apply for steel rollers.
- Additional charges apply for stainless steel rollers & coastal hardware.
- Additional charges apply for aluminum wire.
- Additional charges apply for woolpile.
- Freight: FOB Shipping Point

NOTE: Minimum 2 per size per color



Classic Design



Contemporary Design

PRE-ASSEMBLED*

Width x Height
up to 33" x up to 83"
up to 39" x up to 83"
up to 51" x up to 83"
up to 61" x up to 83"
up to 33" x up to 96"
up to 39" x up to 96"
up to 51" x up to 96"
up to 61" x up to 96"

Top Hung System Now Available for Top Rolling Application!
Includes top hung adapter & track. Additional charges apply.

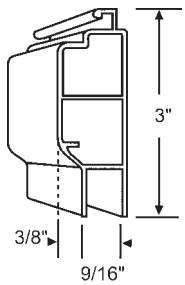
THE MOOSE™

Custom Extruded
996-999

A Good Substitute to Replace Andersen Screen Door

- Available in white, almond and bronze
- Features our own premium locking handle and strike
- Offer your customers the ultimate upgrade in a rolling patio door screen
- Especially well designed to match the profiles of the best wood patio doors
- Rolls quietly and effortlessly on steel ball bearing wheels that can easily adjusted to fit your opening
- Enhance your product image with our heavy duty frame design, with walls a full .050" thick
- Individually packed with all necessary hardware and installation guidelines
- Additional charges apply for steel rollers.
- Additional charges apply for stainless steel rollers & coastal hardware.
- Additional charges apply for aluminum wire.
- Additional charges apply for woolpile.
- Freight: FOB shipping point

NOTE: Minimum 2 per size per color



PRE-ASSEMBLED*

Width x Height
up to 33" x up to 83"
up to 39" x up to 83"
up to 51" x up to 83"
up to 61" x up to 83"
up to 33" x up to 96"
up to 39" x up to 96"
up to 51" x up to 96"
up to 61" x up to 96"

Top Hung System Now Available for Top Rolling Application!
Includes top hung adapter & track. Additional charges apply.

Note: Both Titan and Moose doors are available in K/D form.

Pre-Assembled Steel & Aluminum Roll Form Doors are sold either 10 per color per size or 5 per color, per size. Any quantity other than a multiple of 10 or 5 will be assessed with a single packaging charge per screen.

CARRIER CHARGES CONTINUE TO FLUCTUATE. PLEASE CALL FOR DELIVERY CHARGES.

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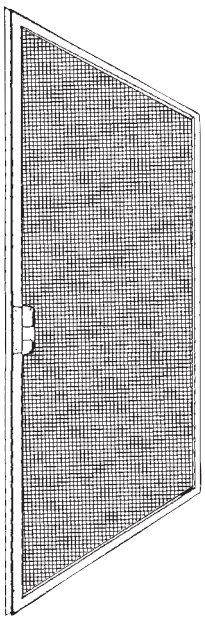
EXTRUDED ALUMINUM CUSTOM PATIO SCREEN DOORS

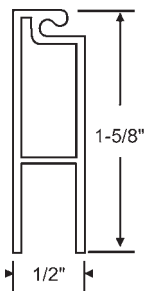
RIVIERA

999F-999 Assembled
999F-999KD Knock Down



Size
up to 30" X up to 80"
up to 36" X up to 80"
up to 48" X up to 80"
up to 60" X up to 80"
up to 30" X up to 96"
up to 36" X up to 96"
up to 48" X up to 96"
up to 60" X up to 96"

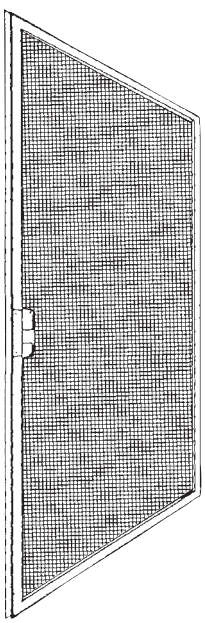
- Frame Size is 1/2" Thick x 1-5/8" Wide
- Made of .050 Gauge Extruded Aluminum
- Reversible for Right or Left Hand Doors
- Comes with Handle Pull on Both Sides of Screen
- Available in Mill, White and Bronze
- Vinyl Bug Flap (Standard)
- Fiberglass Cloth (Standard)
- Knocked Down Version Comes Standard with No Cloth or Spline
- Additional charges apply for Adding Cloth and Spline for Knock Down Version
- Additional charges apply for Stainless Steel Rollers
- Additional charges apply for Aluminum Wire
- Additional charges apply for Adhesive Backed .250 Woolpile
- Additional charges apply for Oversized Door
  (Oversized Door is any Door Wider then 60" and Higher then 96")
- Additional charges apply for Astragals
- Additional charges apply for Top Hung System
- Additional charges apply for Cross Brace
- Freight: FOB Shipping Point



Assembled Doors Pack 5 Per Size Per Color. If Ordering Less then 5 Per Size Per Color, Additional Charges Apply.

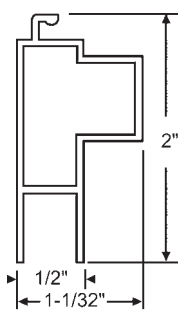
DELUXE

995F-999KD Knock Down
Extruded Aluminum



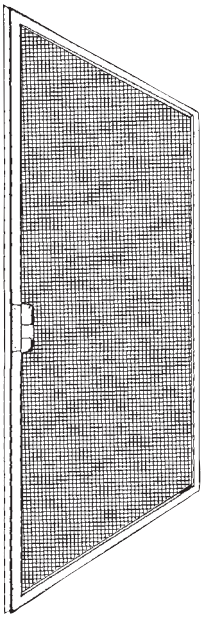
Part#	Color	Size
995F-5KD	Mill	36 X 80
995F-2KD	Bronze	36 X 80
995F-1KD	White	36 X 80
995F-6KD	Mill	48 X 80
995F-4KD	Bronze	48 X 80
995F-3KD	White	48 X 80
995F-9KD	Mill	36 X 96
995F-8KD	Bronze	36 X 96
995F-7KD	White	36 X 96
995F-12KD	Mill	48 X 96
995F-11KD	Bronze	48 X 96
995F-10KD	White	48 X 96

No Minimum/No Packaging Charge



- Frame Size is 1/2" Thick x 2" Wide
- Made of .050 Gauge Extruded Aluminum
- Reversible for Right or Left Hand Doors
- Available in Mill, White and Bronze
- Vinyl Bug Flap (Standard)
- Knocked Down Version Comes Standard with No Cloth or Spline
- Uses #16-701 Black "T" Spline
- Custom Size (KD) and Assembled Screens Also Available.
  Contact your Account Manager for Pricing

EXTRUDED ALUMINUM CUSTOM PATIO SCREEN DOORS

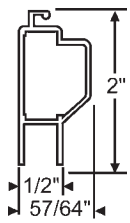


REGAL

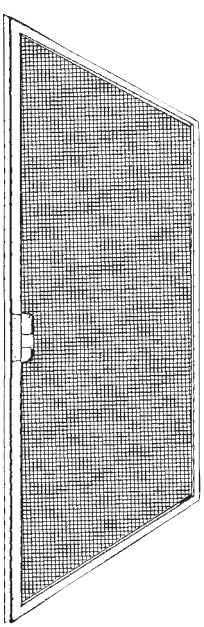
998F-999 Assembled
998F-999KD Knock Down

Size
up to 30" X up to 80"
up to 36" X up to 80"
up to 48" X up to 80"
up to 60" X up to 80"
up to 30" X up to 96"
up to 36" X up to 96"
up to 48" X up to 96"
up to 60" X up to 96"

- Frame Size is 1/2"" Thick x 2" Wide
- Made of .050 Gauge Extruded Aluminum
- Reversible for Right or Left Hand Doors
- Comes with Handle Pull on Interior of Door Only.
- Available in Mill, White, Almond and Bronze
- Vinyl Bug Flap (Standard)
- Fiberglass Cloth (Standard)
- Knocked Down Version Comes Standard with No Cloth or Spline
- Additional charges apply for Adding Cloth and Spline for Knock Down Version
- Additional charges apply for Stainless Steel Rollers
- Additional charges apply for Aluminum Wire
- Additional charges apply for .580 or .370 Slide in Woolpile
- Additional charges apply for Oversized Door
  (Oversized Door is any Door Wider then 60" and Higher then 96")
- Additional charges apply for Recessed Handle (only available on Regal)
- Additional charges apply for Astragals
- Additional charges apply for Top Hung System
- Additional charges apply for Cross Brace
- Freight: FOB Shipping Point



Assembled Doors Pack 5 Per Size Per Color. If Ordering Less then 5 Per Size Per Color, Additional Charges Apply.

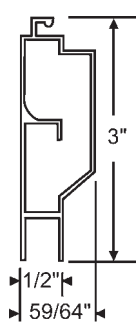


MAJESTIC

996F-999 Assembled
996F-999KD Knock Down

Size
up to 30" X up to 80"
up to 36" X up to 80"
up to 48" X up to 80"
up to 60" X up to 80"
up to 30" X up to 96"
up to 36" X up to 96"
up to 48" X up to 96"
up to 60" X up to 96"

- Frame Size is 1/2" Thick x 3" Wide
- Made of .050 Gauge Extruded Aluminum
- Reversible for Right or Left Hand Doors
- Available in Mill, White and Bronze
- Vinyl Bug Flap (Standard)
- Fiberglass Cloth (Standard)
- Knocked Down Version Comes Standard with No Cloth or Spline
- Additional charges apply for Adding Cloth and Spline for Knock Down Version
- Additional charges apply for Stainless Steel Rollers
- Additional charges apply for Aluminum Wire
- Additional charges apply for Adhesive Backed .250 Woolpile
- Additional charges apply for Oversized Door
  (Oversized Door is any Door Wider then 60" and Higher then 96")
- Additional charges apply for Astragals
- Additional charges apply for Top Hung System
- Additional charges apply for Cross Brace
- Freight: FOB Shipping Point



Assembled Doors Pack 5 Per Size Per Color. If Ordering Less then 5 Per Size Per Color, Additional Charges Apply.

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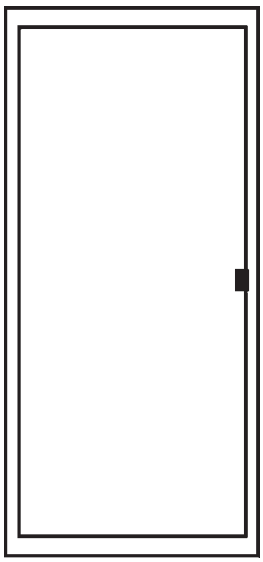
STEEL MULTI-FIT PATIO SCREEN DOORS

COMBINE SIZES TO GET QUANTITY DISCOUNTS

Note: This is a painted galvanized steel product. No warranty is given, written, or inferred against rusting, corrosion or reactions against dissimilar metals.

IN STOCK for IMMEDIATE SHIPMENT

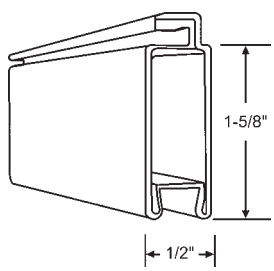


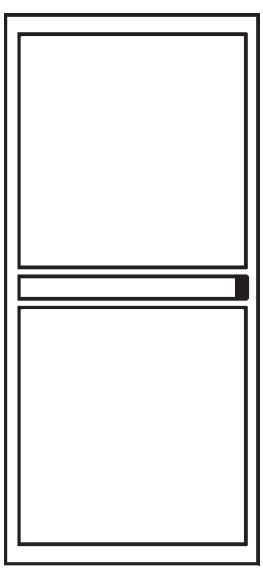
Standard

- Made of .019 gauge rollform steel
- Reversible for right or left hand doors
- Replaces 90% of existing patio screen doors
- Steel wheels available, add $2.25 to cost of screen (Standard on Heavy Duty Door)
- Available in gray or charcoal fiberglass cloth -standard
- Bright and charcoal aluminum wire available add 35% to cost of screen
- Complete with latch, door pull, keeper, non-adjusting nylon rollers, bug strip and instructions
- Comes with heavy duty top & bottom expanders allowing the doors to adjust from 78" to 80" for a custom fit
- Tear away vinyl bug flap is designed for hand peeling to custom fit your door
- Easy access field adjustments for quick installation
- Patio doors are 1/2" thick x 1-5/8" wide (Standard) or 3/4" x 2" (Heavy Duty)
- Freight: FOB shipping point

STANDARD PRE-ASSEMBLED*

Part #	Size	Color
93-1	30"	Gray
93-2	36"	Gray
93-3	48"	Gray
93-4	60"	Gray
93-5	30"	Earthtone Bronze
93-6	36"	Earthtone Bronze
93-7	48"	Earthtone Bronze
93-8	60"	Earthtone Bronze
93-9	30"	White
93-10	36"	White
93-11	48"	White
93-12	60"	White

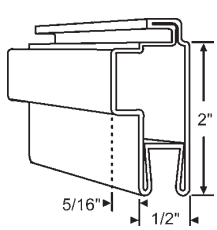




Heavy Duty
(Includes 2 Removable Push Bars, Steel Rollers and HD Latching Handle)

HEAVY DUTY PRE-ASSEMBLED*

Part #	Size	Color
997-1	30"	Gray
997-2	36"	Gray
997-3	48"	Gray
997-5	30"	Earthtone Bronze
997-6	36"	Earthtone Bronze
997-7	48"	Earthtone Bronze
997-9	30"	White
997-10	36"	White
997-11	48"	White



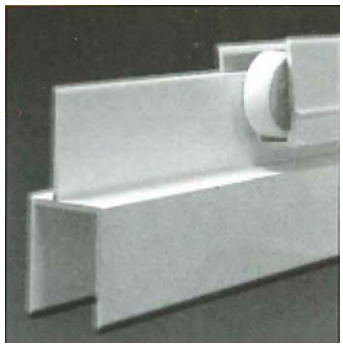
Pre-Assembled Steel & Aluminum Roll Form Doors are sold either 10 per color per size or 5 per color, per size. Any quantity other than a multiple of 10 or 5 will be assessed with a single packaging charge per screen.

CARRIER CHARGES CONTINUE TO FLUCTUATE. PLEASE CALL FOR DELIVERY CHARGES.

TOP HUNG SYSTEM FOR TOP ROLLING APPLICATION

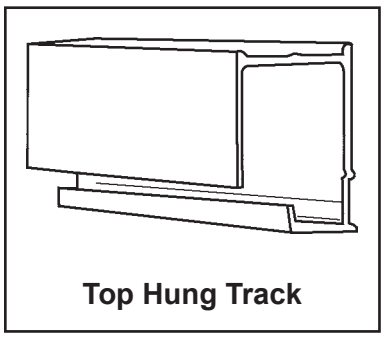
This system is only used with the Enterprise, Boss, Apollo, Gemini, Titan and Moose Patio Door Screens.
Call your account manager for top hung systems for the Riviera, Deluxe, Regal and Majestic patio door screens.

EXPLODED PARTS VIEW

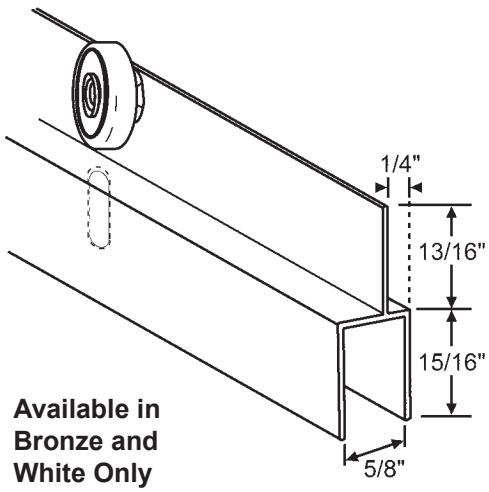


CLOSE-UP ROLLER VIEW

Top Hung Adapters

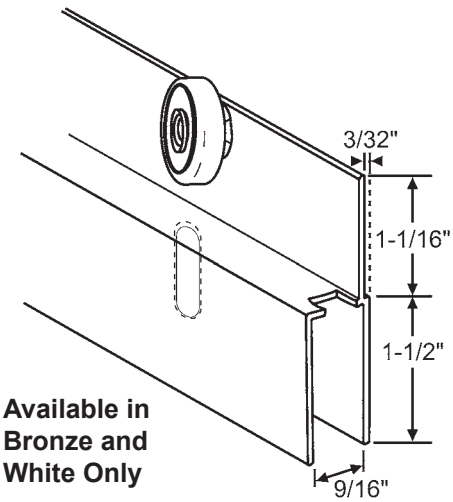


Top Hung Track



Available in Bronze and White Only

90M-637, 638 and 639



Available in Bronze and White Only

90M-641, 642 and 643

8 Ft. Top Hung Track	Colors	30" Top Hung Adapter	36" Top Hung Adapter	48" Top Hung Adapter
90M-640BZ	Bronze	90M-637BZ	90M-638BZ	90M-639BZ
		90M-641BZ	90M-642BZ	90M-643BZ
90M-640W	White	90M-637W	90M-638W	-
		90M-641W	90M-642W	90M-643W

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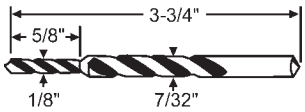
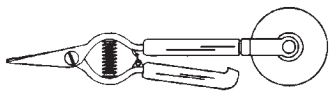
SCREEN TOOLS



59-51
Step Drill. For plunger with 7/32" tip. High speed hardened steel step drill makes two diameter holes in one pass for a precise screen plunger fit.

59-44
Concave Roller/Cutter
Steel Wheel



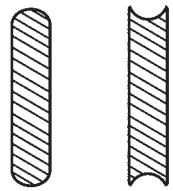
59-45
Cloth Cutter with Steel Wheel

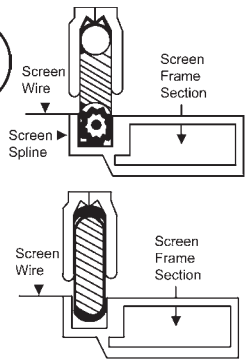
Part #	Description
59-10	5/32" Wheel
59-10SP	1/16" Wheel

Plastic Roller and Housing

Screen Spline and Screen Wire Installation Tool

A professional tool with wood handle and steel enclosed ball bearing rollers. Use convex roller of installation tool to roll screen wire into slot of screen frame; use concave roller to roll spline into slot over screen wire to hold it tightly in place.

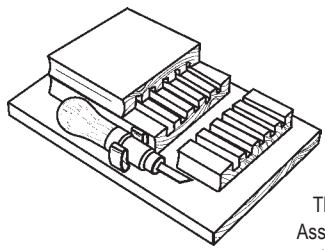


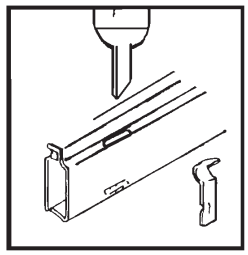


Part #	Description
59-4	Steel Rollers
59-4P	Plastic Rollers

Screen Frame Notching Jig

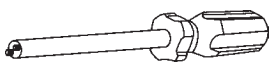
Easy to Use!
A Real Time Saver!



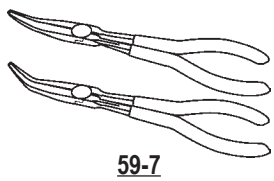


900-15853
The Screen Frame Notching Jig and Tool Assembly installs tension springs, slide locks, swivel and knife latches in aluminum window screen metal. The grooved wooden jig holds 5/16", 3/8" and 7/16" screen frame securely while you notch the metal with the notching tool.

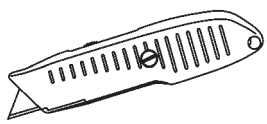
900-15852
Notching Tool



59-15
One-Way Screw Remover



59-7
Long Reach Needle Pliers Set
- 2 piece 11" 20° offset & 45° angle
- Reach areas too tight for standard pliers
- Made from drop-forged, heat-treated steel



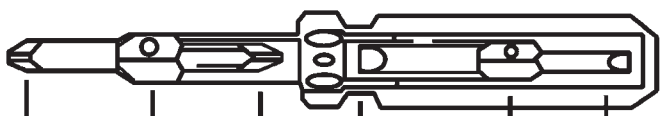
59-14
Utility Knife
- Professional Quality.
- Button Projects and Retracts Blade
- Sturdy Handle Provides Storage

59-112
Metal Handle Glass Cutter.
Tungsten Carbide Wheel

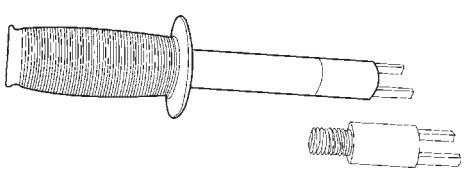
Any Binding Surfaces Under High Pressure Need a Slider Slicking !

59-91
Sliding glass door track lubricant.
4" x 5/8" Diameter Stick

Slider-Slicker is a solid stick lubricant in a handy large crayon type package. Uses range from glass and screen door tracks to zippers and sticky doors. Handy to keep in the kitchen drawer, toolbox, car or camper. A dry, stick lubricant, specifically formulated for lubricating sliding track surfaces on old binding or worn Sliding Glass Doors, Screens & Windows.



59-23
6-in-1 Screwdriver. Bits and tube are made of hardened steel. Lifetime Guarantee.



Part #	Fits	Tip Only
59-47	52-614 Roller Assy.	59-47T
59-47-1	52-613 and 52-675 Roller Assy.	59-47-1T
59-47-2	900-1285 Roller Assy.	59-47-2T

Roller Assembly Inserting Tool. Includes Tip.

Part #	Description
59-5	9.4 oz. Can
59-5-1	15 oz. Can

Alum-A-Lub Cleaner is the "All Purpose" lubricating cleaner that can be used on all products that stick or squeak. Alum-A-Lub assures ease of operation and a "Like New" appearance for metal windows, doors, locks, hinges, cabinets and more. Simply spray and wipe away dirt, grime and gummy residue left by other lubricants. A must for your shop, workroom, home, maintenance department or garage.

Sold individually and in cases of 12.

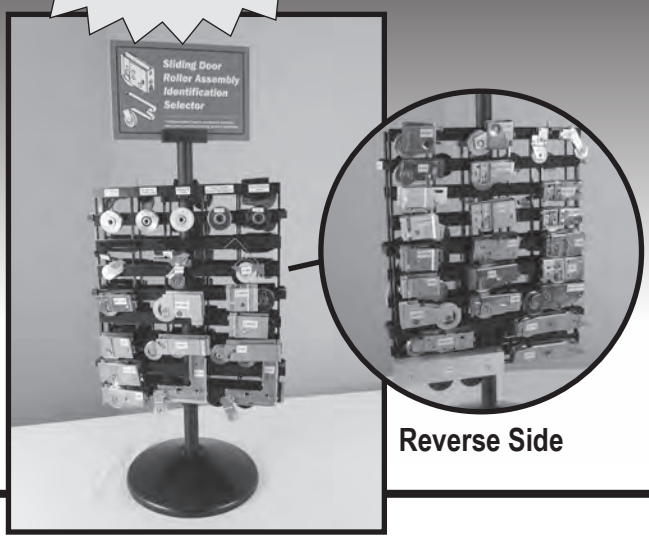
Part #	Description
59-50	11 oz. Can
59-50-1	1 gal. Can

"L.C. Wax" Alumaslick Aluminum Lubricant & Liquid Masking cleans and lubricates aluminum better than anything. Quick penetration/release and long lasting lubrication. Cleans corrosion and tarnish; protects from salt corrosion; reduces wear; stops squeaks, bumps, klunks, clinks.

Sold individually and in cases of 12.

NEW

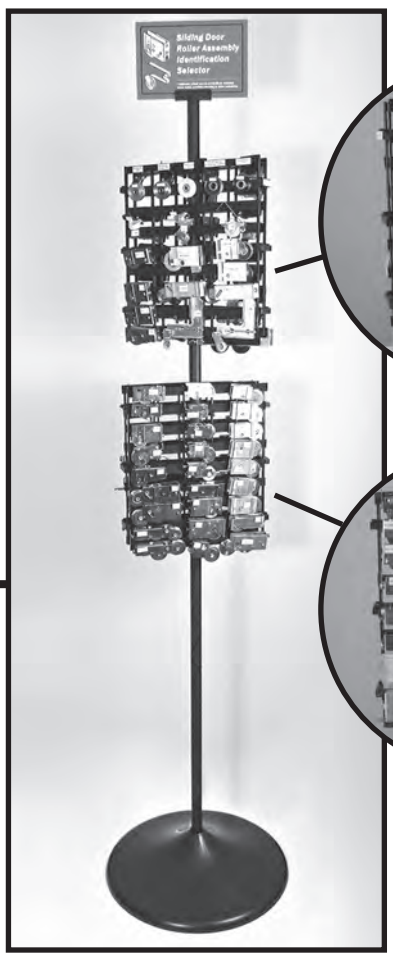
Sliding Door Roller Assembly Identification Selector



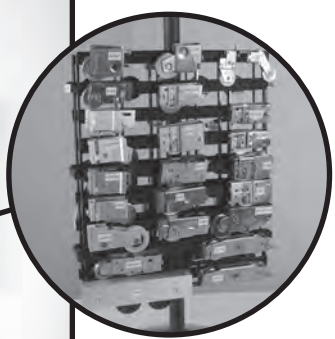
Reverse Side

Countertop Model (1 Panel):
45 of the most popular roller assemblies along with 5 variations of wheels available.

500-444-T1: one-panel/2-sides with 45 patio door rollers



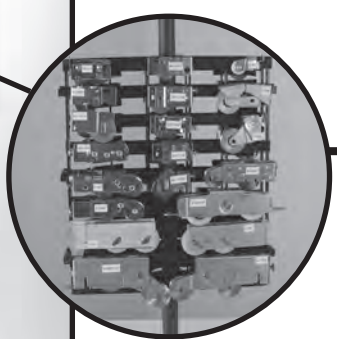
Save space using the fully loaded floor display!



Reverse Side

Floor Model (2 Panel):
90 of the most popular roller assemblies along with 5 variations of wheels available.

500-444-T2: two-panel/4-sides with 90 items



Reverse Side

Both models come complete with assembly instructions, sign and spinning display. Each roller assembly is individually labeled with our part number for easy ordering.

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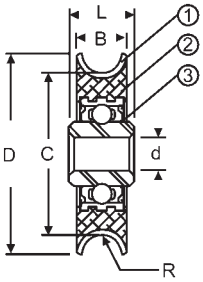
PRECISION BEARING ROLLER ASSEMBLY FOR PATIO SLIDING GLASS DOOR



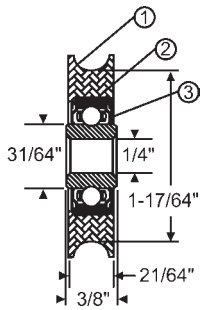
Part #	D	C	d	B	R	L
11-212	1-1/2"	1-1/4"	1/4"	5/16"	1/8"	3/8"
11-214	1-1/4"	1"	1/4"	5/16"	1/8"	3/8"

1. Outer Ring - Stainless Steel
2. Reinforced Nylon
3. Precision Bearing

ABB Series Precision Bearing Stainless Steel Wheels

Completely new design that establishes a new level of quality for Patio Door Rollers. Design Highlights:

- Ideal for coastal applications
- Extremely smooth rolling
- Less operating force (motion to open/close)
- Less noise and vibrations
- Better corrosion resistance
- The Precision Bearing is factory greased and completely sealed
- The outer ring, that is the rolling surface of the wheel, is made of Stainless Steel to avoid any rust formation between the wheel and the track
- Using composite nylon, the Precision Bearing is assembled with the outer ring by an injection molding process



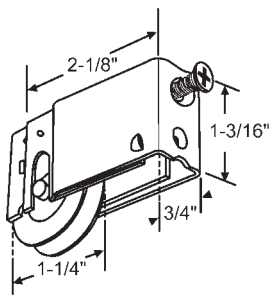
Part #	Wheel
11-227	1-1/2"
11-237	1-1/4"

1. Outer Ring - Nylon
2. Reinforced Nylon
3. Precision Bearing

MBB Series Precision Bearing Nylon Wheels

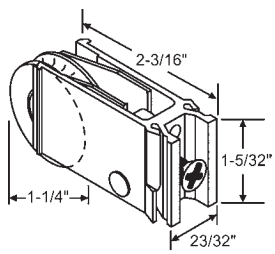
This is an upgraded Nylon wheel that is assembled with a precision bearing as in the ABB Series. The Nylon tire is injected with fiber glass reinforced Nylon. The competitive advantages of this wheel are similar to those for the ABB Series.

- Extremely smooth rolling
- Less operating force (motion to open/close)
- Less noise and vibrations
- Higher Load capacity of 65 Lbs. per wheel (compared to 45 Lbs. per wheel on a regular Nylon wheel)
- The Precision Bearing is factory greased and completely sealed



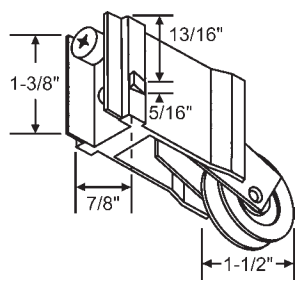
Part #	Wheel Type
900-10106NPB	Nylon
900-10106SPB	Stainless Steel

NU-AIR



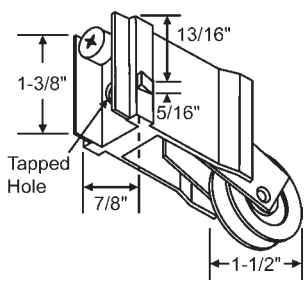
Part #	Size	Outer Ring
9-252SPB	1-1/4"	Stainless Steel
9-252NPB	1-1/4"	Nylon

MILLER



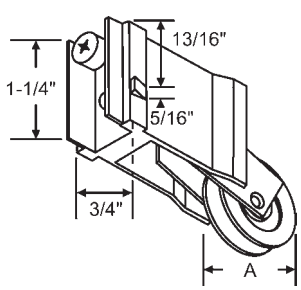
Part #	Size	Outer Ring
9-257SPB	1-1/2"	Stainless Steel
9-257NPB	1-1/2"	Nylon

PAN AM



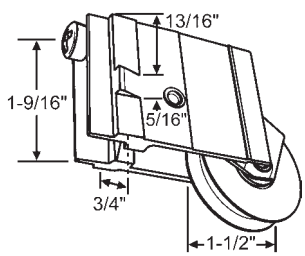
Part #	Size	Outer Ring
9-457SPB	1-1/2"	Stainless Steel
9-457NPB	1-1/2"	Nylon

PAN AM/AAA



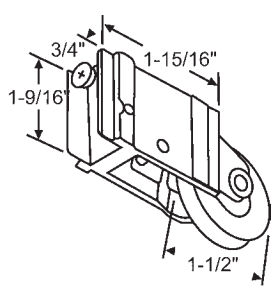
Part #	A	Outer Ring
9-247-1.25SPB	1-1/4"	Stainless Steel
9-247SPB	1-1/2"	Stainless Steel
9-247NPB	1-1/2"	Nylon

YALE OGRON



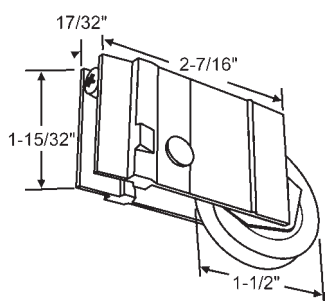
Part #	Size	Outer Ring
9-249SPB	1-1/2"	Stainless Steel
9-249NPB	1-1/2"	Nylon

WEATHERTITE/LAWSON



Part #	Size	Outer Ring
9-406SPB	1-1/2"	Stainless Steel
9-406NPB	1-1/2"	Nylon

PGT

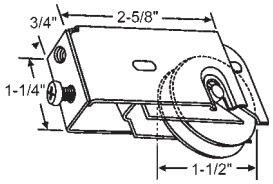


Part #	Size	Outer Ring
9-364SPB	1-1/2"	Stainless Steel
9-364NPB	1-1/2"	Nylon

Max. Width at Locking Tangs 31/32"

LAWSON/WALLACE

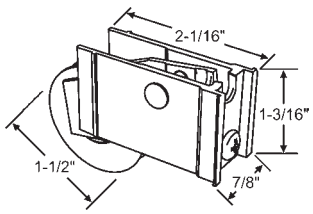
PRECISION BEARING ROLLER ASSEMBLY FOR PATIO SLIDING GLASS DOOR



Part #	Size	Outer Ring
9-392SPB	1-1/2"	Stainless Steel

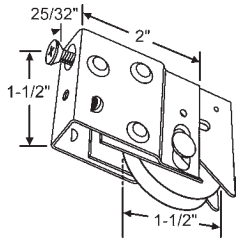
Max. Housing Thickness 3/4"

CROFT



Part #	Size	Outer Ring
9-330SPB	1-1/2"	Stainless Steel

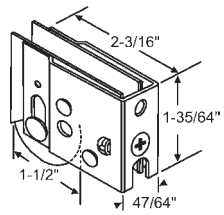
SECURITY



Part #	Size	Outer Ring
9-366SPB	1-1/2"	Stainless Steel

Max. Dimple Width 29/32"
Max. Width at Locking Tangs 1"

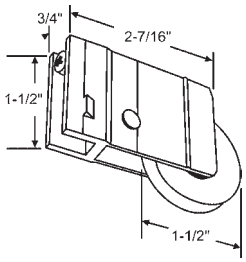
BINNINGS/PAN AM



Part #	Size	Outer Ring
9-338SPB	1-1/2"	Stainless Steel

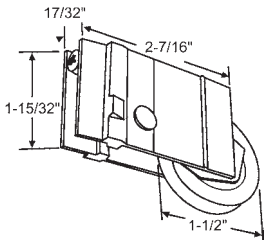
Maximum Width at Locking Tangs 7/8"

HARCAR/KELLER/PAN AM



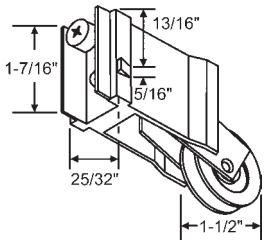
Part #	A	Outer Ring
9-453SPB	1-1/2"	Stainless Steel
9-453NPB	1-1/2"	Nylon

LAWSON



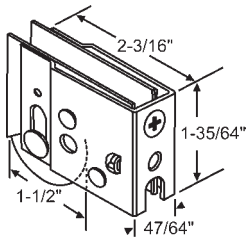
Part #	Size	Outer Ring
9-364SS-SPB	1-1/2"	Stainless Steel
9-364SS-NPB	1-1/2"	Nylon

LAWSON/WALLACE



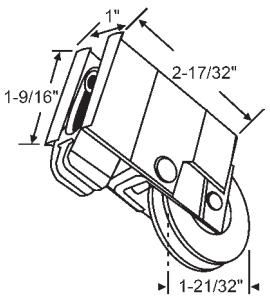
Part #	Size	Outer Ring
9-237SPB	1-1/2"	Stainless Steel
9-937NPB	1-1/2"	Nylon

WALLACE

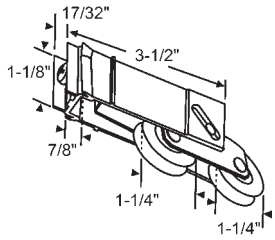


Part #	Size	Outer Ring
900-11287SPB	1-1/2"	Stainless Steel
900-11287NPB	1-1/2"	Nylon

CROWN/LAWSON

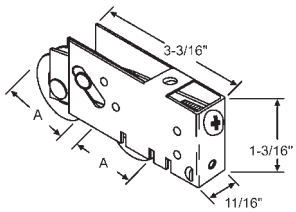


Part #	Size	Outer Ring
900-22583NPB	1-21/32"	Nylon



Part #	Size	Outer Ring
9-368SS-SPB	1-1/4"	Stainless Steel
9-368SS-NPB	1-1/4"	Nylon

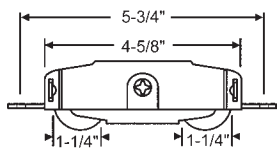
THERMALUME



Part #	A	Outer Ring
9-443-1.25SPB	1-1/4"	Stainless Steel
9-443SS-1.25SPB*	1-1/4"	Stainless Steel
9-443SPB	1-1/2"	Stainless Steel
9-443NPB	1-1/2"	Nylon

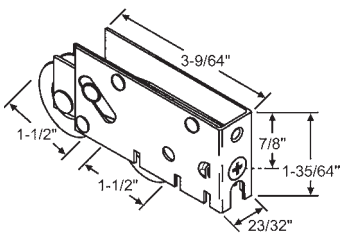
*All Stainless Steel

NU-AIR



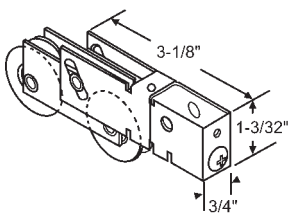
Part #	Wheel Type
9-312SPB	Stainless Steel
9-312NPB	Nylon

Stainless Steel Housing



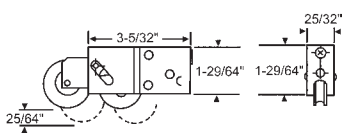
Part #	Size	Outer Ring
900-22693-SPB	1-1/2"	Stainless Steel
900-22693-NPB	1-1/2"	Nylon

PGT/KINCO



Part #	Wheel Type	Wheel Size
9-403SPB	Stainless Steel	1-1/2"
9-403NPB	Nylon	1-1/2"

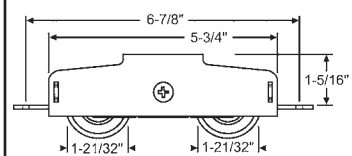
Maximum Housing Width 3/4"



Part #	Size	Outer Ring
9-309SPB	1-1/2"	Stainless Steel
9-309NPB	1-1/2"	Nylon

PAN AM

Amesbury Truth



Part #	Size	Outer Ring
9-502SPB	1-21/32"	Stainless Steel
9-502NPB	1-21/32"	Nylon

Your Roller Assembly Not Listed?

Call your sales representative and find out if we can furnish your particular patio door roller assembly with our Precision Bearing Roller. We have machine shop capabilities where we can supply many patio door roller assemblies equipped with our new Precision Bearing Roller.

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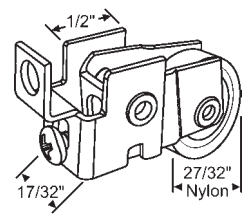
STAMPED GLASS DOOR ROLLER ASSEMBLIES

In Order by Wheel Diameter

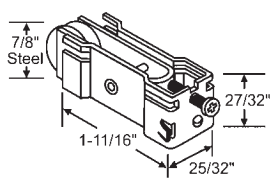
27/32"



Part #	Wheel Type
9-291	Concave
9-291F	Flat

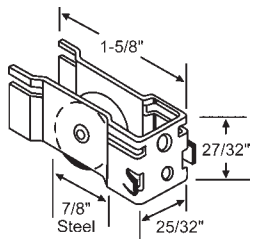
USED BY TRACO

7/8"



9-295

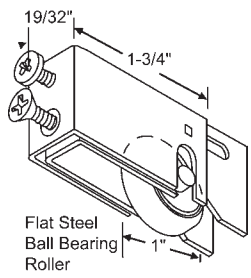
ACORN



9-296

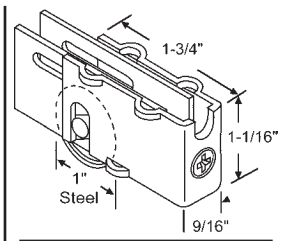
ACORN

1"



900-9469

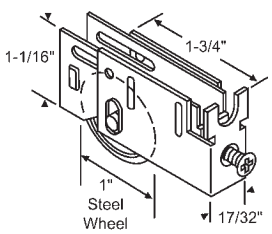
CAPITOL/REMINGTON



Part #	Wheel Type
9-305	Flat w/Tapered Edges
9-305SP	Concave

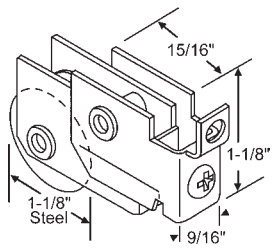
CAPITOL

1-1/16"



Part #	Wheel Type
900-10138	Flat
9-333	Concave

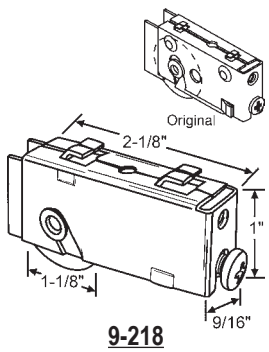
CAPITOL/REMINGTON



9-306

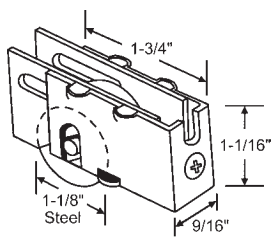
CAPITOL/REMINGTON

1-1/8"



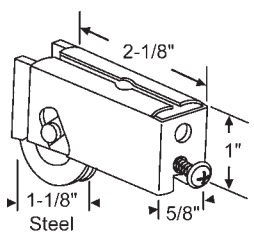
9-218

Max. Dimple Width 3/4"



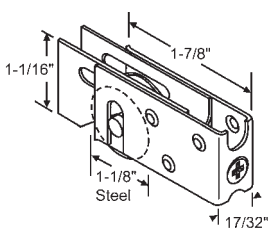
9-273

REMINGTON



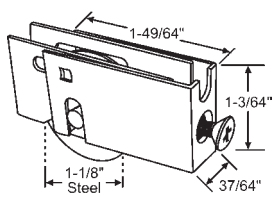
900-16318

CAPITOL

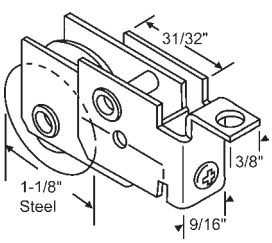


9-325

No Longer Available.
Use 900-14295C

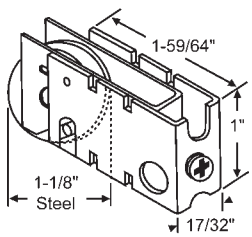


900-14295C

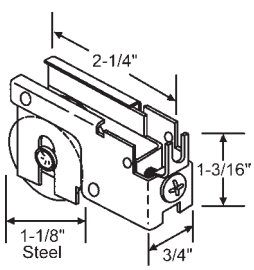


900-16155

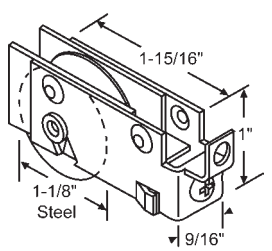
SUGAR CREEK



900-16711

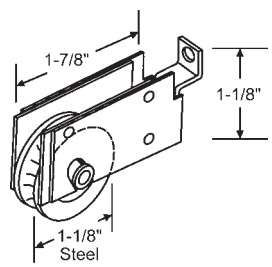


9-289

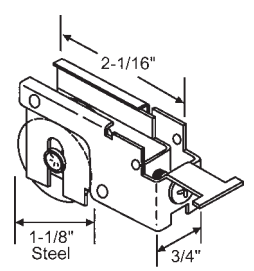


9-324

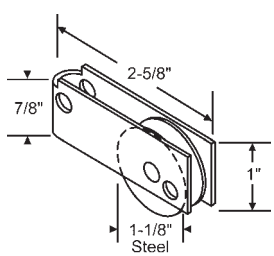
Max. Dimple Width 7/8"



9-293



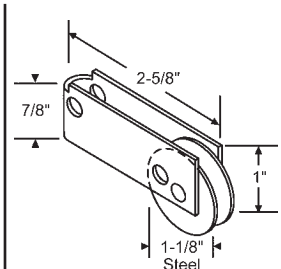
9-292



9-279

Top Hole

CAPITOL



9-279-1

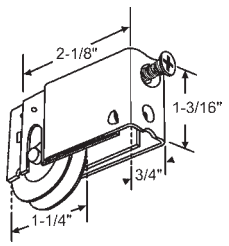
Bottom Hole

CAPITOL

STAMPED GLASS DOOR ROLLER ASSEMBLIES

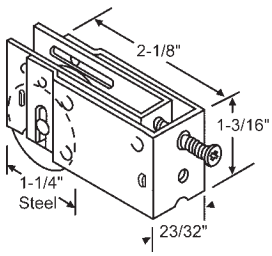
In Order by Wheel Diameter

1-1/4"

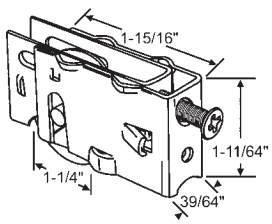


Part #	Wheel Type
900-10106	Steel
900-10106N	Nylon
900-10106SS	Stainless Steel

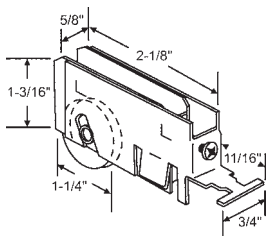
NU-AIR



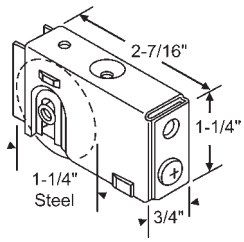
900-15153
Dimple Width 3/4"
Tang Width 7/8"



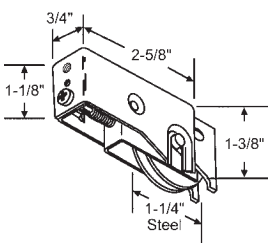
900-10095
Max. Dimple Width 13/16"
BETTER-BILT



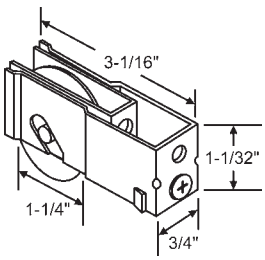
Part #	Wheel Type
9-230	Steel



900-18187
BLOMBERG

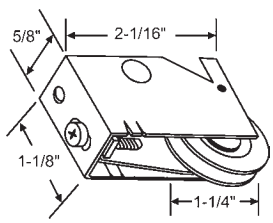


9-238



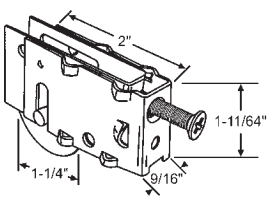
Part #	Wheel Type
9-258	Steel
9-258N	Nylon

DARYL



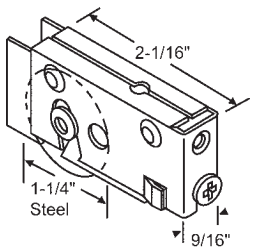
Part #	Wheel Type
9-245	Steel
9-245N	Nylon
9-245SS	Stainless Steel

CROSSLY

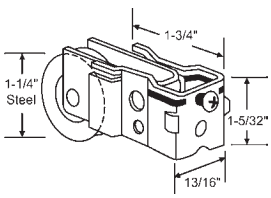


Part #	Wheel Type
900-7662	Steel
900-7662SS	Stainless Steel

Max. Dimple Width 3/4"
ACORN/ARUNDEL

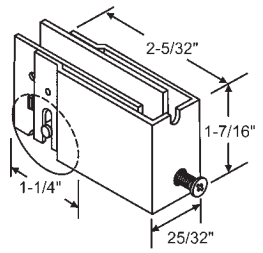


900-13579
Max. Dimple Width 23/32"
ARUNDEL



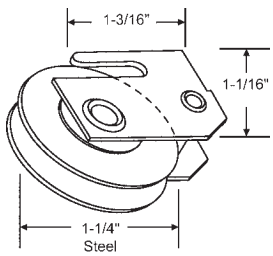
9-215

ACORN



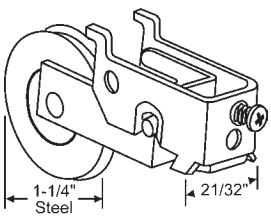
Part #	Wheel Type
9-331	Steel
9-331SS	Stainless Steel

PENNCO



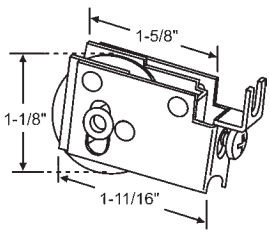
9-209

ADOR HI-LITE



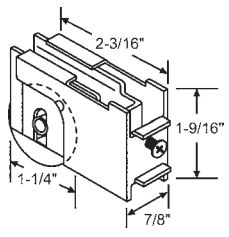
9-209A

ADOR HI-LITE



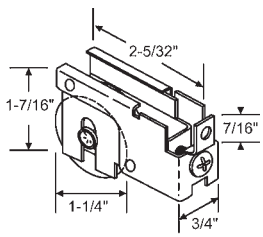
Part #	Wheel Type
900-13138	Steel

LOOK

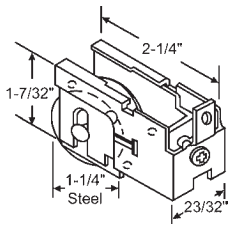


Part #	Wheel Type
9-266	Steel
9-266SS	Stainless Steel

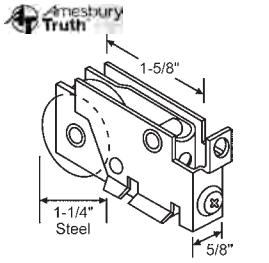
PEACHTREE



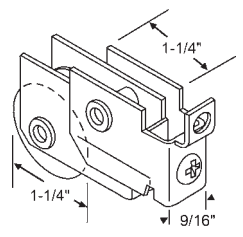
Part #	Wheel Type
9-200	Steel
9-200N	Nylon



9-299



9-286



Part #	Wheel Type
9-216	Steel
9-216P	Nylon

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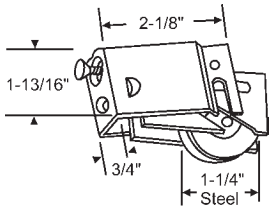
STAMPED GLASS DOOR ROLLER ASSEMBLIES

In Order by Wheel Diameter

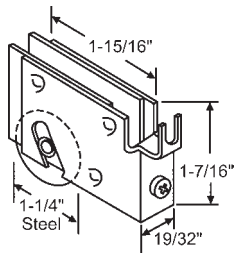
1-1/4"



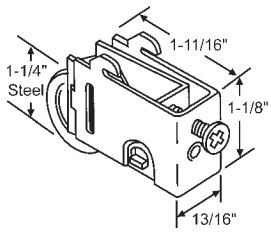
900-13399

Roller Mark II. Max. Dimple Width 7/8". Steel Ball Bearing Roller

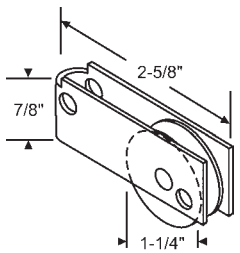
NORANDEX



Part #	Wheel Type
9-294	Steel
9-294N	Nylon

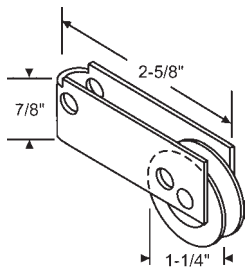


900-10098A



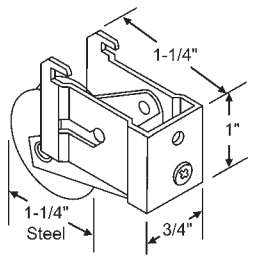
Part #	Wheel Type
9-262M	Steel
9-262	Nylon

Top Hole

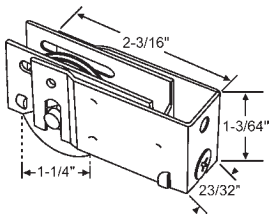


Part #	Wheel Type
9-263M	Steel
9-263	Nylon

Bottom Hole

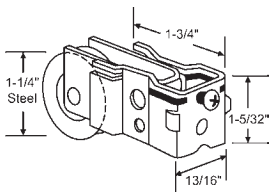


900-9498



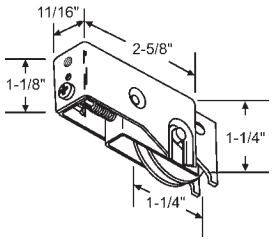
Part #	Wheel Type
900-18649	Steel
900-18649N	Nylon

Steel Body. 7/8" Tab Width



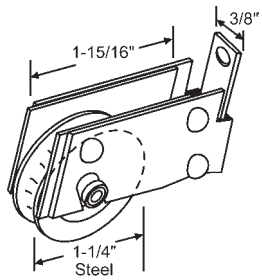
9-215D

ACORN



9-318A

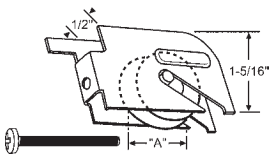
JONES/DARYL



9-219

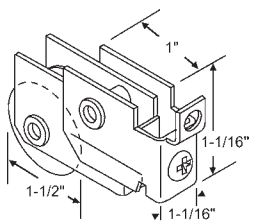
JONES/DARYL

1-1/2"

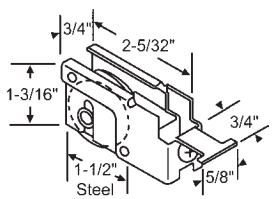


Part #	A
900-18770	1-1/4"
900-18770-1.5	1-1/2"

Supplied With Screw

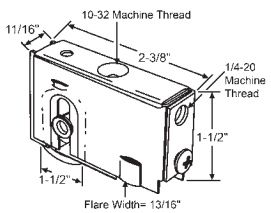


Part #	Wheel Type
9-217M	Steel
9-217P	Nylon

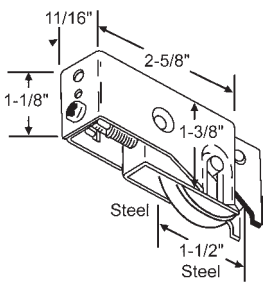


9-225

MARSHALL

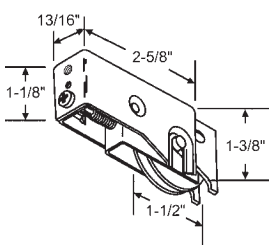


Part #	Wheel Type
9-350	Steel

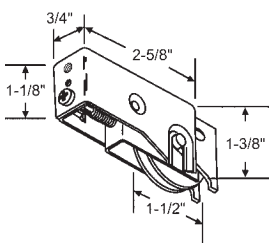


9-341

LENAHAN/DARYL

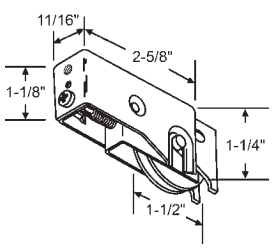


Part #	Wheel Type
9-260M	Steel
9-260	Nylon



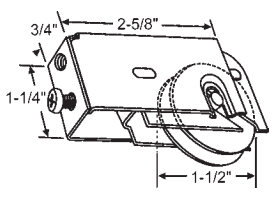
Part #	Wheel Type
9-261	Steel
9-261N	Nylon
9-261SS	Stainless Steel

AIR CONTROL/KELLER



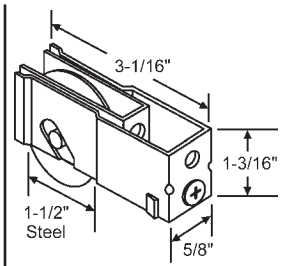
9-318

JONES



Part #	Wheel Type
9-392	Steel
9-392SS	Stainless Steel

Max. Housing Thickness 3/4"

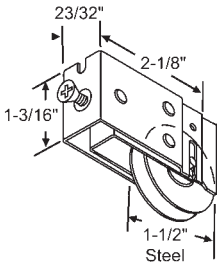


9-250

STAMPED GLASS DOOR ROLLER ASSEMBLIES

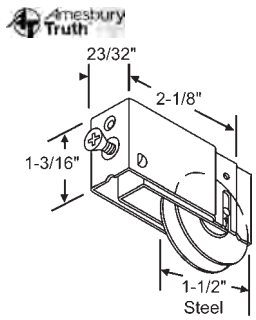
In Order by Wheel Diameter

1-1/2"

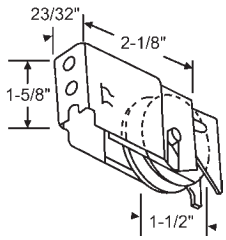


Part #	Wheel Type
900-10116	Steel
900-10116SS	Stainless Steel

BINNINGS



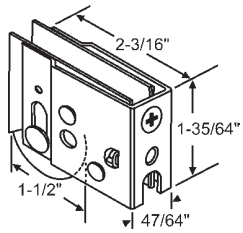
900-10107



Part #	Wheel Type
9-304	Steel

Maximum Width at Locking Tangs 57/64"

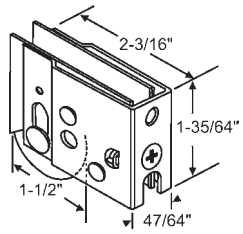
KINCO/HARCAR



Part #	Wheel Type
900-11287	Steel
900-11287N	Nylon
900-11287SS	Stainless Steel

Maximum Width at Locking Tangs 7/8"

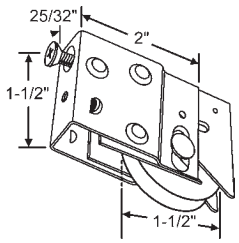
CROWN/LAWSON



Part #	Wheel Type
9-338N	Nylon
9-338	Steel
9-338SS	Stainless Steel

Maximum Width at Locking Tangs 7/8"

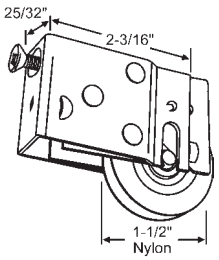
HARCAR



Part #	Wheel Type
9-366	Steel
9-366N	Nylon
9-366SS	Stainless Steel

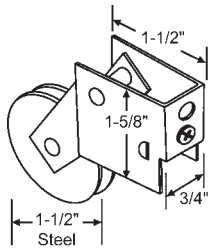
Max. Dimple Width 29/32"
Max. Width at Locking Tangs 1"

BINNINGS/PAN AM



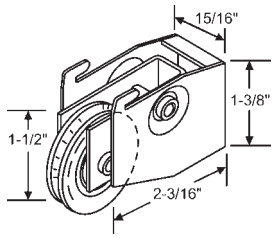
Part #	Wheel Type
9-327	Nylon
9-327S	Steel

Max. Dimple Width 27/32". Max. Width at Locking Tangs 59/64"

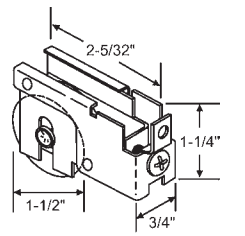


9-235

KELLER

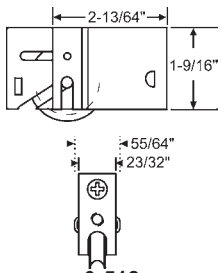


Part #	Wheel Type
9-220	Nylon
9-229	Steel



Part #	Wheel Type
9-201	Steel

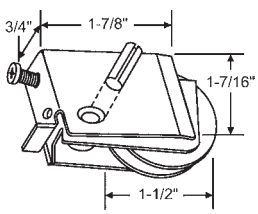
Dimple Width 25/32"



9-512

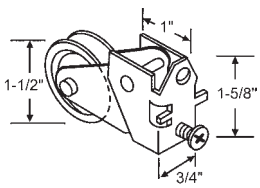
Steel Outer & Inner Housing with 1-1/2" Steel Wheel

PGT



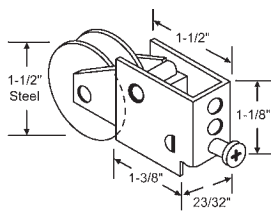
Part #	Wheel Type
9-255	Nylon
9-255M	Steel

LUMIDOR



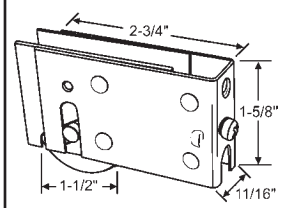
Part #	Wheel Type
9-233	Steel
9-233N	Nylon

STANLEY



9-211

HARCAR



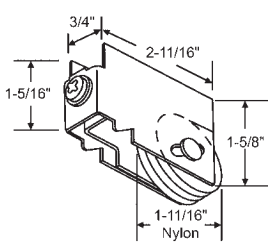
9-377

Dimple Width 7/8"

CROWN INDUSTRIES

DIE CAST ROLLER ASSEMBLIES

1-11/16"

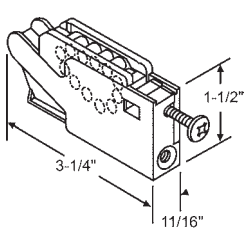


9-207N

Wheel Width 3/8"

ARCADIA

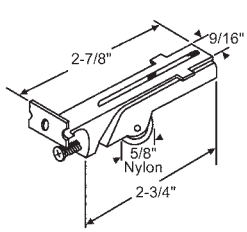
5/8"



9-335

Nylon Caterpillar Rollers

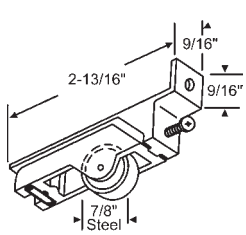
GREAT LAKES



9-202

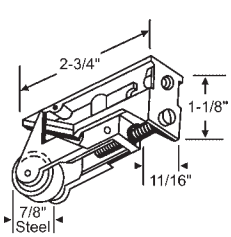
Flat Roller

7/8"



9-277

ATLAS/PORTALUME



9-303

Flat Roller

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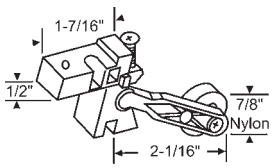
WWW.AZAHARDWARE.COM

DIE CAST ROLLER ASSEMBLIES

In Order by Wheel Diameter

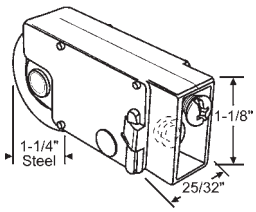
7/8"



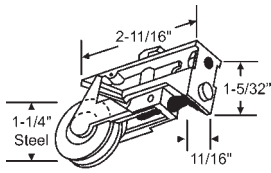
Part #	Hand
9-241RH	Shown
9-241LH	Opposite

MILLER

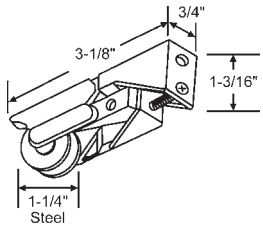
1-1/4"



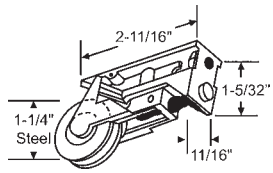
9-214
BINNINGS



9-276



Part #	Wheel Type
9-248	Steel
9-248SS	Stainless Steel

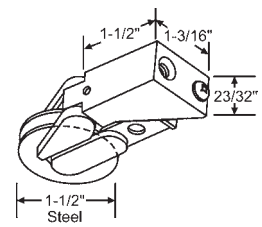


9-275

EXTRUDED GLASS DOOR ROLLER ASSEMBLIES

In Order by Wheel Diameter

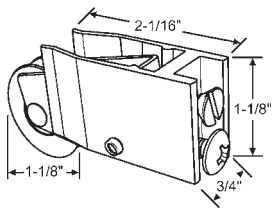
1-1/2"



9-268

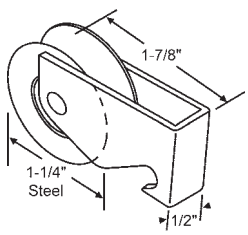
KELLER/AIR CONTROL

1-1/8"



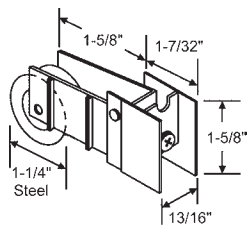
900-11663A
with Corner Housing and Screw
SILVER LINE

1-1/4"



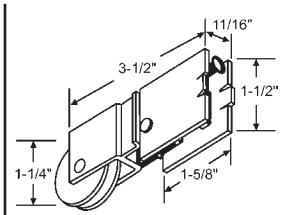
900-11663

SILVER LINE



9-231

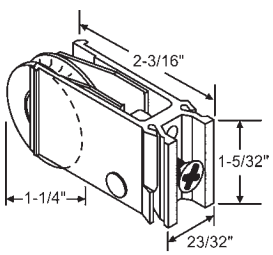
PEACHTREE



Part #	Wheel Type
9-205	Steel
9-205P	Nylon

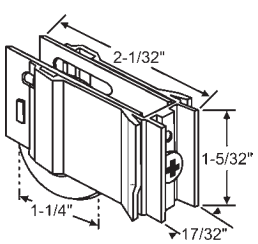
PEACHTREE

1-5/16"



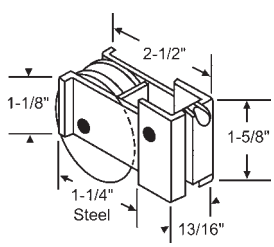
Part #	Wheel Type
9-252	Steel
9-252N	Nylon
9-252SS	Stainless Steel

MILLER



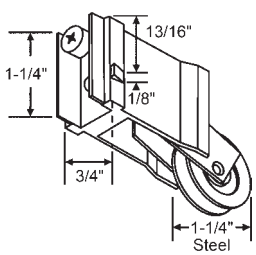
Part #	Wheel Type
9-371	Steel
9-371N	Nylon
9-371SS	Stainless Steel

THERMALUME



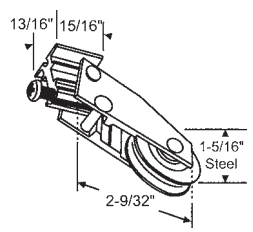
9-236

PEACHTREE



9-247-1.25S

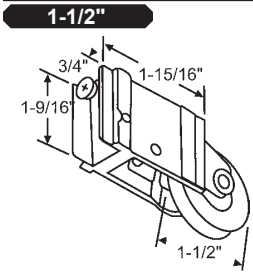
YALE



900-9582

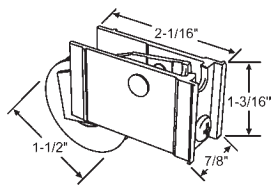
CROSSLY

1-1/2"



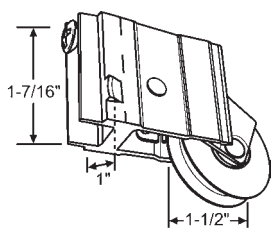
Part #	Wheel Type
9-406	Steel
9-406N	Nylon
9-406SS	Stainless Steel

PGT

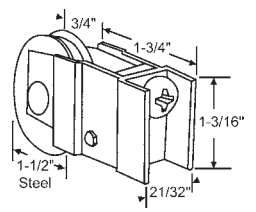


Part #	Wheel Type
9-330	Steel
9-330N	Nylon
9-330SS	Stainless Steel

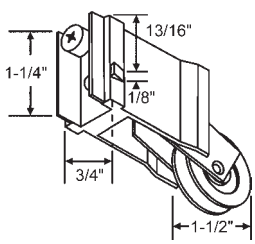
PGT



9-336
1-1/2" Steel Wheel
PGT/ONECO



9-361



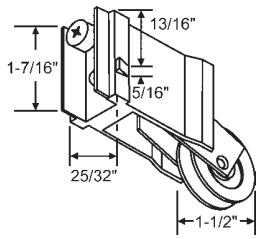
Part #	Wheel Type
9-247	Steel
9-247N	Nylon
9-247SS	Stainless Steel

YALE

EXTRUDED GLASS DOOR ROLLER ASSEMBLIES

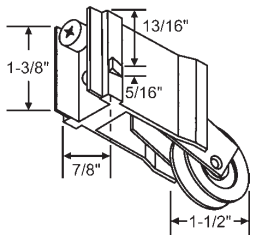
In Order by Wheel Diameter

1-1/2"



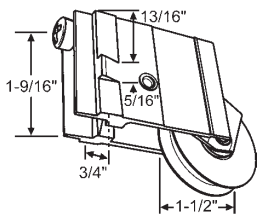
Part #	Wheel Type
9-237	Nylon
9-237S	Steel

WALLACE



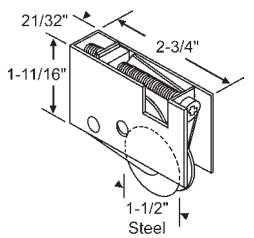
Part #	Wheel Type
9-257	Steel
9-257N	Nylon
9-257SS	Stainless Steel

PAN AM

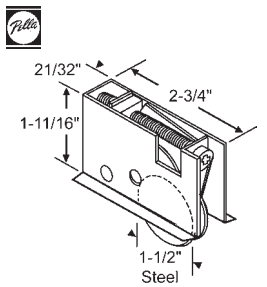


Part #	Wheel Type
9-249	Steel
9-249SS	Stainless Steel

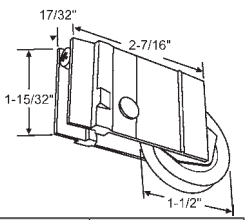
LAWSON



900-22072-OS
Old Style, Pre 1992. Fits Pella

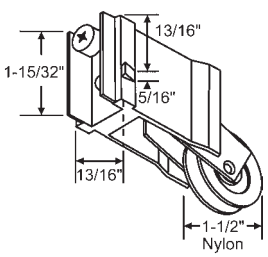


900-22072-NS
New Style

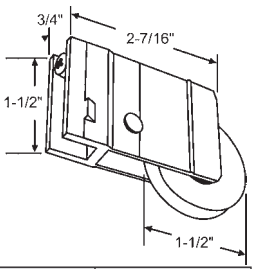


Part #	Wheel Type
9-364	Nylon
9-364S	Steel
9-364SS	Stainless Steel

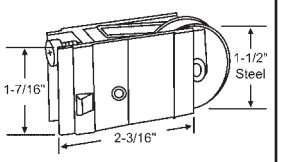
Max. Width at Locking Tangs 31/32"
LAWSON



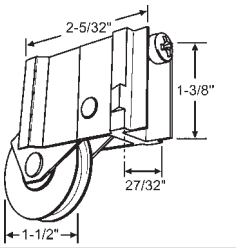
9-240
PLAMETRON



Part #	Wheel Type
9-453	Steel
9-453SS	Stainless Steel



9-370
WALLACE/LAWSON



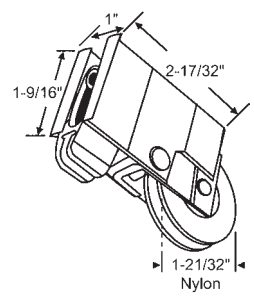
Part #	Wheel Type
9-457	Steel
9-457N	Nylon

Tab to Tab 1-1/2"

TANDEM ROLLERS

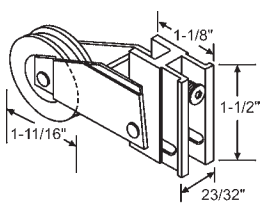
In Order by Wheel Diameter

1-21/32"



900-22583
ALCAN/NORANDEX

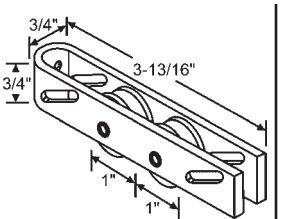
1-11/16"



Part #	Wheel Type
9-254SS	Nylon Wheel with Stainless Steel Inner Race
9-254SS-M	Stainless Steel Ball Bearing Wheel

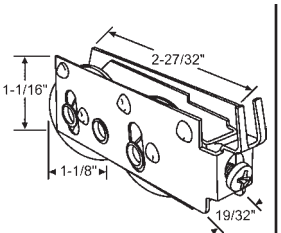
DARYL/PLAZA

1"

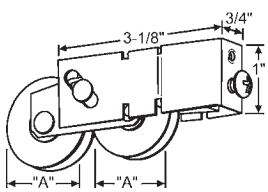


Part #	Wheel Type
9-267	Nylon
9-267S	Steel

1-1/8"



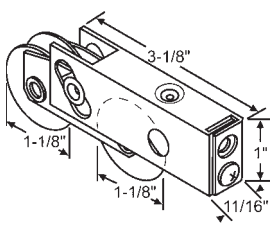
900-9978
Steel Wheel. Dimple Width 3/4"
LOOK/RUSCO



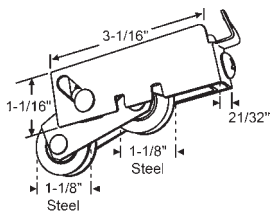
Part #	Wheel Type	A
9-405A	Steel	1-1/8"
9-405SS	Stainless Steel (Housing, Wheels & Screw	1-1/8"
9-405	Steel	1"

ACORN

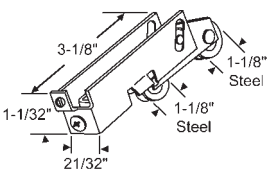
1-1/4"



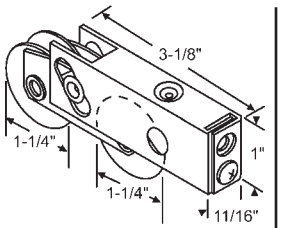
900-19383SS-1 1/8
Stainless Steel 1-1/8" Wheels



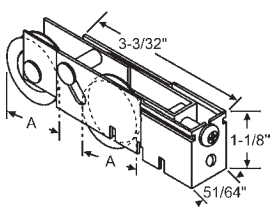
900-12579
Maximum Width at Tangs is .795
ELCO



900-20897
D=1-1/8" Steel Rollers
Max Width at Tangs .810
FLEETWOOD



Part #	Wheel Type
900-19383	Steel
900-19383N	Nylon
900-19383SS	Stainless Steel



Part #	A	Wheel Type
900-19536	1-1/4"	Steel
900-19536A	1-1/8"	Steel
900-19536SS	1-1/4"	Stainless Steel

WELLS 2000

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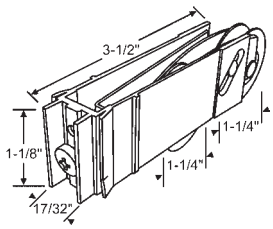
WWW.AZAHARDWARE.COM

TANDEM ROLLERS

In Order by Wheel Diameter

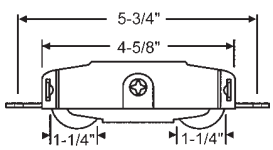
1-1/4"



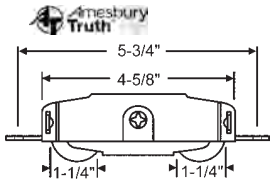
Part #	Wheel Type
9-368S	Steel
9-368SS	Stainless Steel

Max. Housing Width at Locking Tangs = 7/8". Inner Housing Stainless Steel

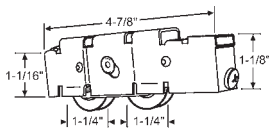
THERMALUME



Part #	Wheel Type
9-239	Steel
9-312	Stainless Steel (Housing and Wheels)
9-317	"Flat" Nylon Rollers



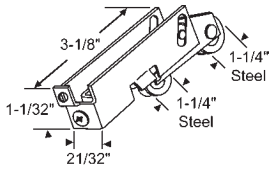
Part #	Wheel Type
9-239T	Steel
9-310T	Nylon
9-312T	Stainless Steel



9-449

Steel Housing with Nylon Ball Bearing Wheel

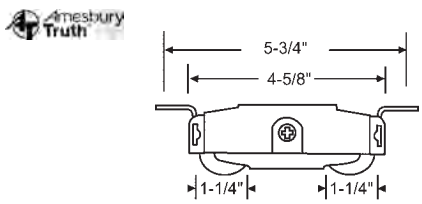
PH TECH/AMERIMAX



900-20799

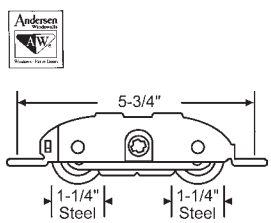
D=1-1/4" Steel Rollers
Max Width at Tangs .710

PLY-GEM



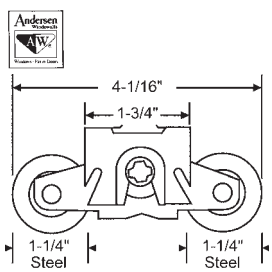
Part #	Wheel Type	Housing Type
9-313T	Steel	Steel
9-316T	Stainless Steel	Steel
9-316	Stainless Steel	Stainless Steel
9-346T	Nylon	Steel

Stainless Steel Housing

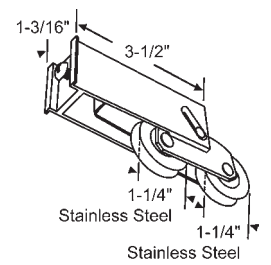


750-1273704

No Longer Available.
Use: 9-239T



750-1997061

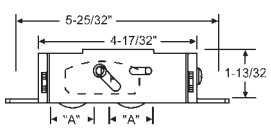


9-367

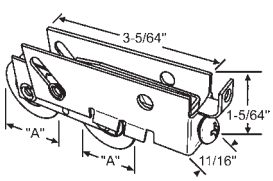
Maximum housing width at flares 1-3/16"

1-7/16"

1-1/2"

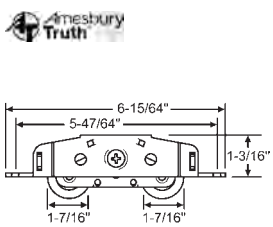


Part #	Wheel Type	A
9-397N	Nylon	1-1/4"
9-397	Steel	1-1/4"
9-397SS	Stainless Steel	1-1/4"
9-441	Steel	1-1/2"



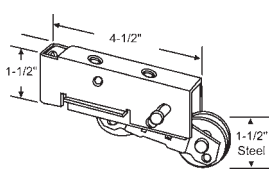
Part #	Type	A
9-455	Domestic	1-1/4"
9-455C	Imported	1-1/4"
9-455A	Imported	1-1/8"

Wheel Type Steel



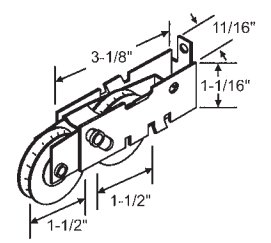
9-274SS

Stainless Steel Housing with (2) 1-7/16" Stainless Steel Wheels



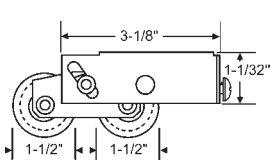
900-20545

1-1/2" Metal Wheel



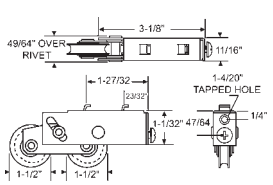
Part #	Wheel Type
9-234	Steel

FLEETWOOD



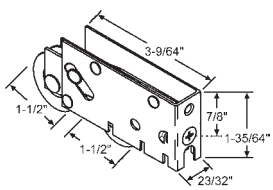
Part #	Wheel Type
900-22358	Steel
900-22358SS	Stainless Steel

Top Hole Mounting

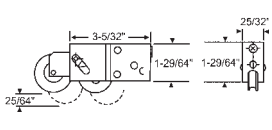


Part #	Wheel Type
900-22357	Steel

Hook Mounting

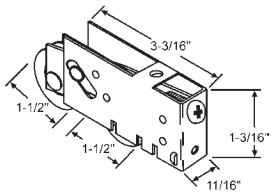


Part #	Wheel Type
900-22693	Steel
900-22693N	Nylon
900-22693SS	Stainless Steel



Part #	Wheel Type
9-309	Steel
9-309SS	Stainless Steel

1-1/2" Wheel

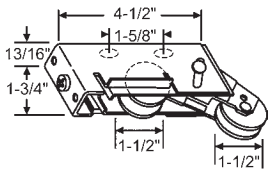


Part #	Wheel Type
9-443	Steel
9-443SS	Stainless Steel

TANDEM ROLLERS

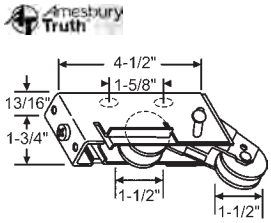
In Order by Wheel Diameter

1-1/2"



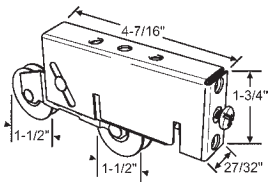
Part #	Wheel Type
9-280	Steel
9-280SS	Stainless Steel

Max. Housing Width 1-7/32"
ARCADIA/KAWNEER

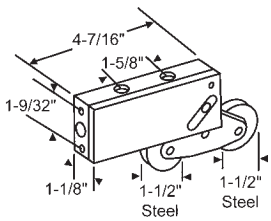


Part #	Wheel Type
9-280D	Steel

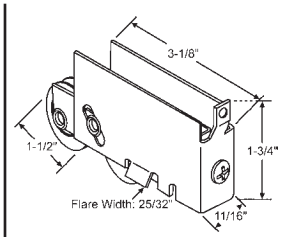
Max. Housing Width 1-7/32"
Domestic Version



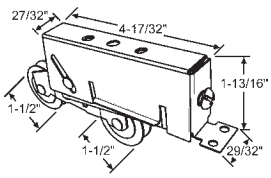
9-473SS
Stainless Steel Wheels
PGT



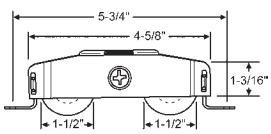
900-12198
KAWNEER



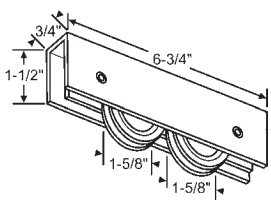
9-507SS
Stainless Steel
FLEETWOOD



9-280MT-SS
Stainless Steel
ARCADIA

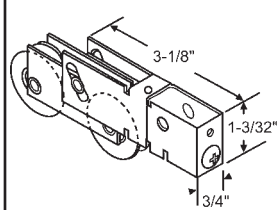


Part #	Wheel Type
9-448	Steel
9-448SS	Stainless Steel



Part #	Wheel Type
9-456	Black Nylon
9-456NB	Nylon Ball Bearing

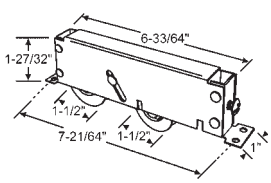
TM PRODUCTS



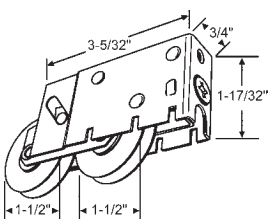
Part #	Wheel Type	Wheel Size
9-403A	Steel	1-1/8"
9-403B	Steel	1-1/4"
9-403	Steel	1-1/2"
9-403BN	Nylon	1-1/4"
9-403A-SS	Stainless Steel	1-1/8"
9-403BSS	Stainless Steel	1-1/4"
9-403SS	Stainless Steel	1-1/2"

Maximum Housing Width 3/4"
PGT/SILVER LINE/ATRIUM

1-5/8"

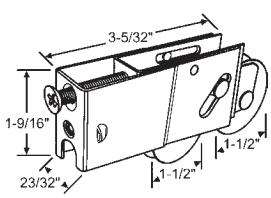


9-474SS
Stainless Steel
PGT/ KAWNEER



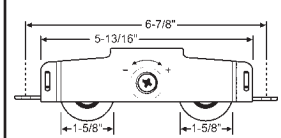
Part #	Wheel Type
9-375	Steel
9-375SS	Stainless Steel

GUARANTEED PRODUCTS/ JORDAN COMPANY



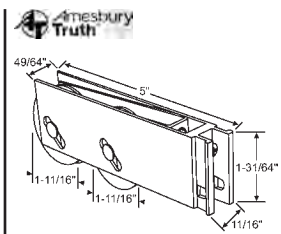
Part #	Wheel Type
9-454	Steel
9-454SS	Stainless Steel

Housing Matches Wheel
PGT



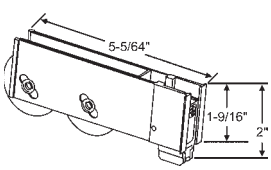
PDR238-DD
Stainless Steel Housing w/ 1-5/8" Precision Bearing Nylon Wheels
KELEGENT

1-11/16"

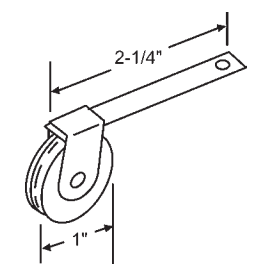


9-254T
1-11/16" Nylon Wheels
Aluminum Housing w/Stainless Steel Inner

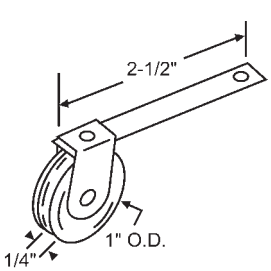
SCREEN DOOR ROLLER ASSEMBLIES



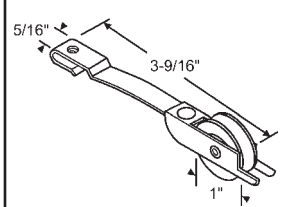
9-378
1-11/16" Nylon Wheels w/ Stainless Steel Ball Bearings. 1" Width Aluminum Outer Housing Stainless Steel Inner Housing
ALCAN/ NORANDEX



Part #	Wheel Type
10-356	Nylon
10-392	Steel

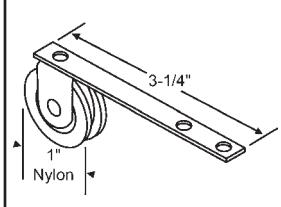


10-436
Nylon Wheel



Part #	Wheel Type
10-407	Nylon
10-407M	Steel

COLUMBIA



Part #	Wheel Type
10-323	Nylon
10-323M	Steel

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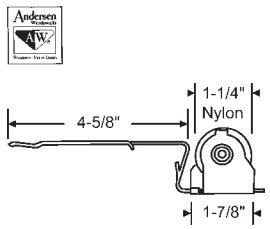
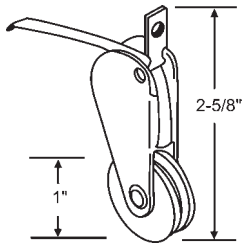
SCREEN DOOR ROLLER ASSEMBLIES

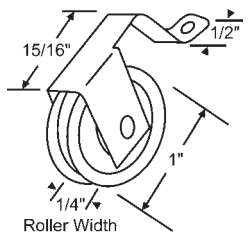


750-1997063
Upper

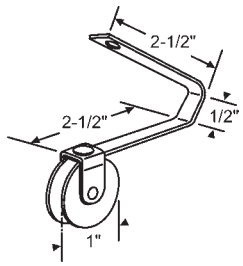


Part #	Wheel Type
10-312	Nylon
10-372	Steel

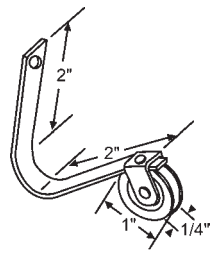
METAL INDUSTRIES



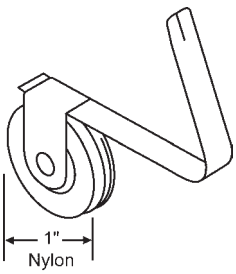
Part #	Wheel Type
10-396	Nylon
10-396M	Steel



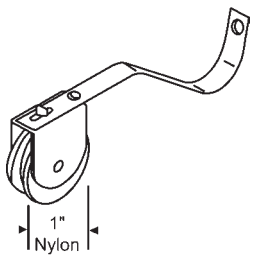
10-388
Nylon



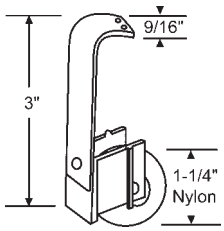
Part #	Wheel Type
10-359	Nylon
10-359M	Steel



10-308

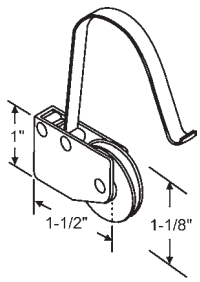


10-341

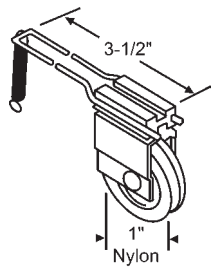


10-353

PEACHTREE

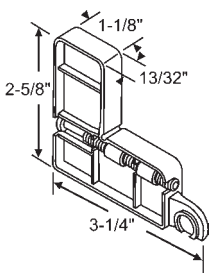


10-414
1-1/8" Dia. Steel Ball Bearing Wheel. Used with Corner 16-301

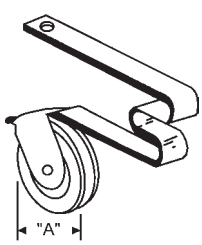


10-315

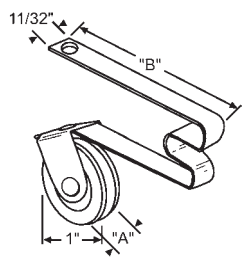
DARYL



16-301
Corner for 10-414

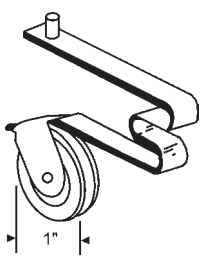


Part #	"A"	Wheel Type
10-358	7/8"	Nylon
10-371	1"	Steel

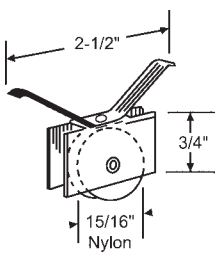


Part #	"A"	"B"	Wheel Groove
10-314	17/64"	2-1/2"	
10-314R	15/64"	2-5/16"	

Nylon Wheel

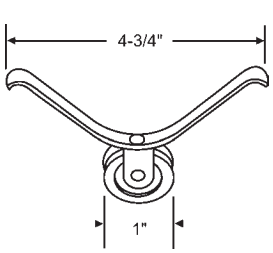


Part #	Wheel Type
10-306	Nylon
10-306M	Steel

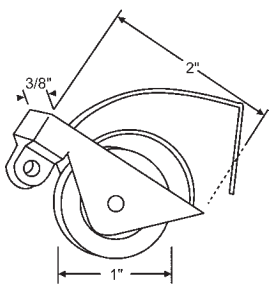


10-300

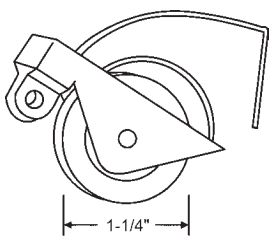
KELLER



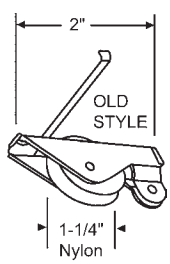
10-391
Nylon Wheel



Part #	Wheel Type
10-348	Nylon
10-348M	Steel

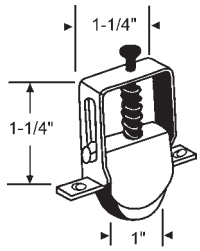


Part #	Wheel Type	Wheel Width
10-360	Nylon	1/4"
10-360M	Steel	3/16"



10-368

ACORN

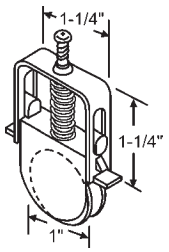


Part #	Wheel Type
10-343	Nylon
10-343M	Steel

Mounting Holes 1-11/16"

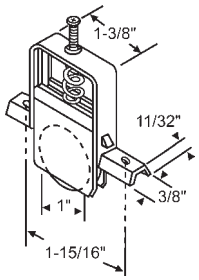
COLUMBIA

SCREEN DOOR ROLLER ASSEMBLIES

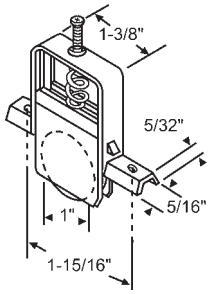


Part #	Wheel Type
10-403	Nylon
10-403M	Steel

COLUMBIA

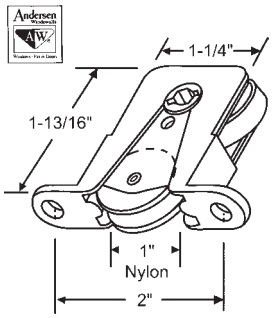


10-404
Nylon
COLUMBIA

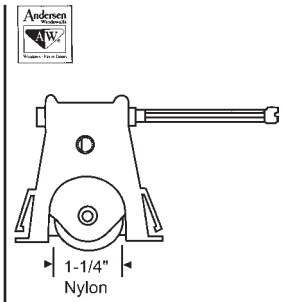


Part #	Wheel Type
10-406	Nylon
10-406M	Steel

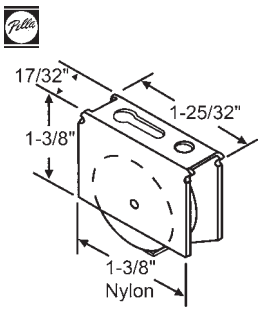
COLUMBIA



750-1274104

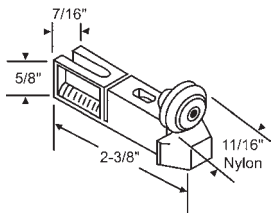


750-1997310
Lower



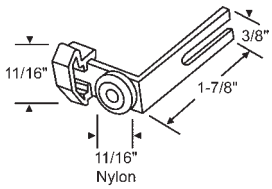
900-10862

900-10862S
Nylon Screw for 900-10862



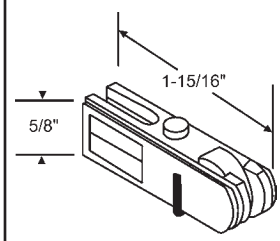
10-365

ADOR HI-LITE



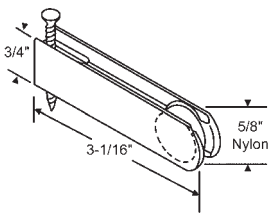
10-387

ADOR HI-LITE



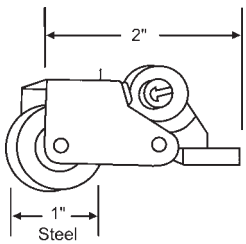
10-326

ADOR HI-LITE



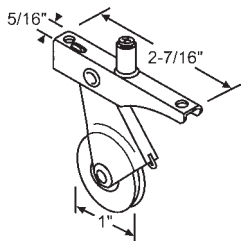
10-401

WEATHER SHIELD

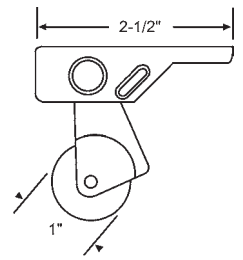


Part #	Hand
900-12879LH	LH (shown)
900-12879RH	RH

Adjustable Roller
RITESCREEN

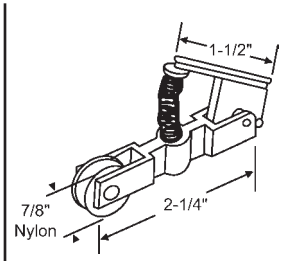


Part #	Wheel Type
10-410	Steel
10-410P	Nylon
10-410SS	Stainless Steel



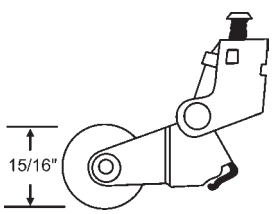
Part #	Wheel Type
900-20072	Nylon
900-20072S	Steel

RITESCREEN/METAL INDUSTRIES



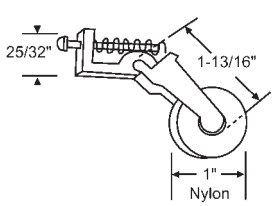
10-302

CHRYSLER



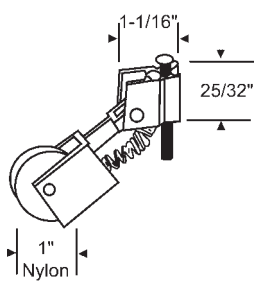
Part #	Wheel Type
10-367	Nylon
10-367M	Steel

JIM WALTERS



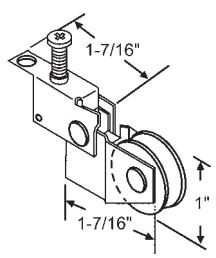
Part #	Wheel Type
900-9705	Nylon
900-9705S	Steel
900-9705SS	Stainless Steel

YALE-OGRON



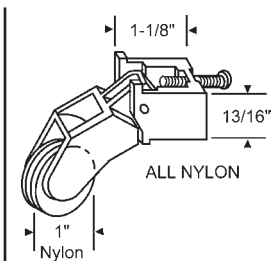
10-313

MILLER



Part #	Wheel Type
900-19216	Nylon
900-19216M	Steel

MOSS



10-394

PEACHTREE

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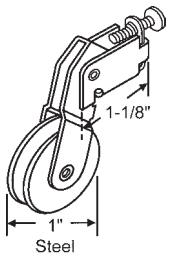
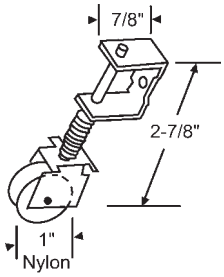
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

SCREEN DOOR ROLLER ASSEMBLIES



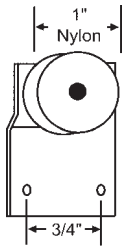
10-394M

PEACHTREE



10-351

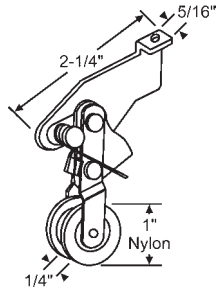
CROSSLY



900-14766

Top Hung. Use with 10-395

WEATHER-BARR



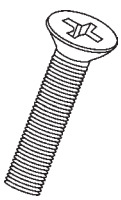
10-395

Use with 900-14766

WEATHER-BARR

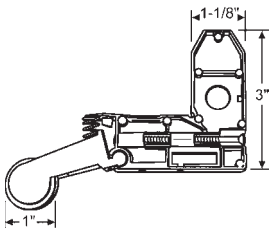
900-17614

Adjustment Sleeve for 10-395



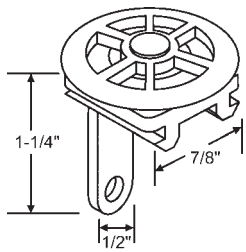
900-17615

Adjustment Screw for 10-395



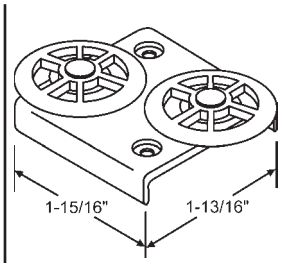
Part #	Wheel Type
10-457	Nylon
10-457SS	Stainless Steel

FLORIDA SCREEN



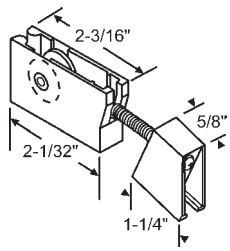
900-9068

PEACHTREE



900-14226

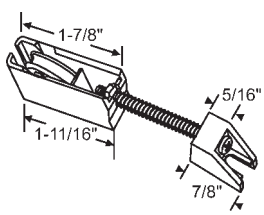
PEACHTREE



10-417

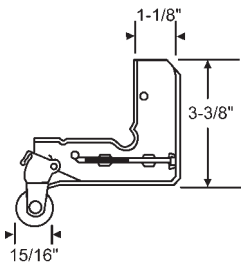
Old Style

BALTIMORE THERMAL



10-417NS

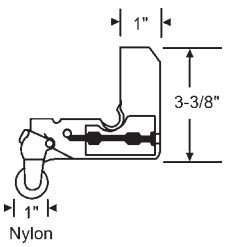
BALTIMORE THERMAL



Part #	Wheel Type
10-373	Nylon
10-373M	Steel

Maximum Corner Thickness 7/16"

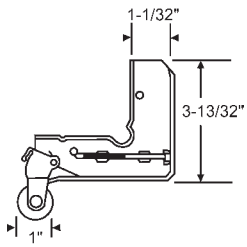
JIM WALTERS



10-399

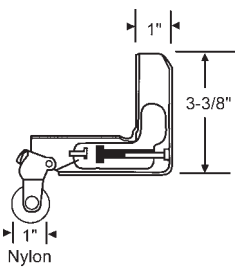
Maximum Corner Thickness 13/32"

ACORN



Part #	Description	Corner Thickness
10-398	Nylon for Steel Doors	15/32"
10-398A	Nylon for Aluminum Doors	7/16"
10-398S	Steel for Steel Doors	15/32"
10-398AS	Steel for Aluminum Doors	7/16"

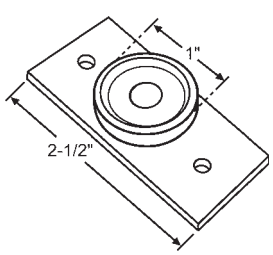
RITESCREEN



10-355

Maximum Corner Thickness 11/32"

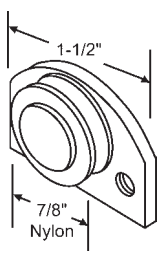
JIM WALTERS



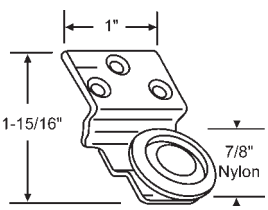
10-460

Top Roller. 1" Nylon Wheel

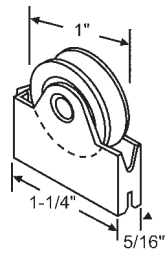
TM PRODUCTS



10-301



10-344

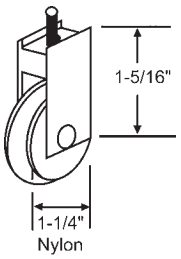


Part #	Wheel Type
10-408	Nylon
10-408M	Steel

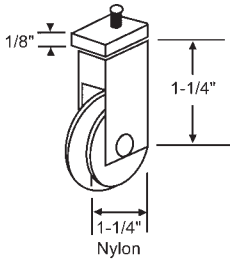
Part of 10-402LH/RH

COLUMBIA

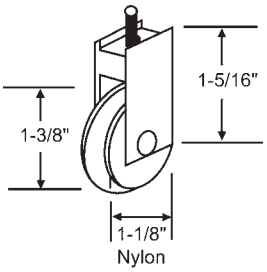
SCREEN DOOR ROLLER ASSEMBLIES



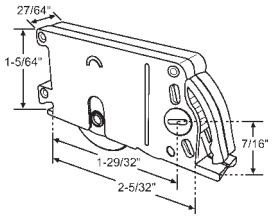
10-317
DARYL



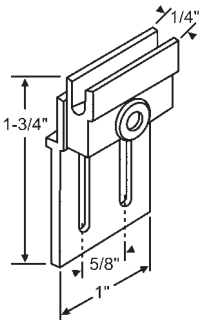
10-318
Nylon



10-316
MILLER

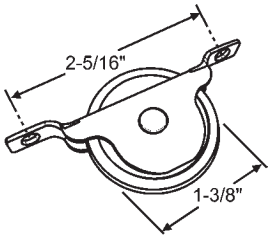


10-443
1" Metal Wheel. Adjustable Vertical Roller 15/64" thru 7/8" Highest Position
NORCO

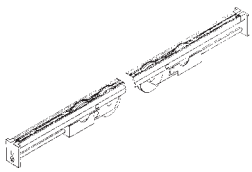


10-455
Aluminum Bracket w/Nylon Guide
CROFT

TRACK AND ROLLER ASSEMBLY



10-466
Garage Door Screen Roller
1-3/8" Rubber Wheel
PGT

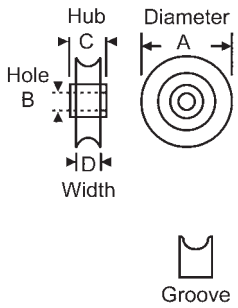


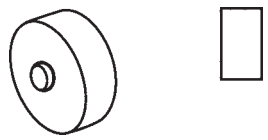
Part #	Description
900-15116	for 34" Glass 38-1/2"
900-15117	for 46" Glass 50"

Assembly has Four 1-1/8" Steel Adjustable Rollers

NYLON WHEELS

In Order by Wheel Diameter



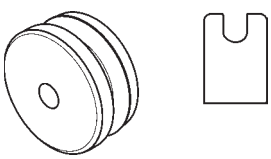


Part #	A	B	C	D
11-129	5/8"	5/32"	3/16"	3/16"

Nylon with Axle

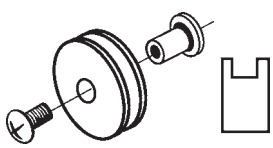
Part #	A	B	C	D
11-115	5/8"	3/16"	1/4"	3/16"

Nylon



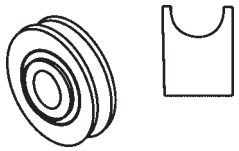
Part #	A	B	C	D
900-10761	1"	7/32"	N/A	7/16"

White Nylon



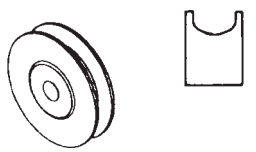
Part #	A	B	C	D
11-112	1-5/64"	1/4"	1/4"	1/4"

Nylon with Post and Screw
AIR CONTROL



Part #	A	B	C	D
11-120	1-1/4"	1/4"	11/32"	5/16"

Nylon with Ball Bearing Steel Hub



Part #	A	B	C	D
11-122	1-31/64"	1/4"	11/32"	19/64"

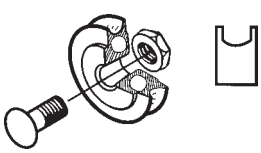
Nylon with Ball Bearing Steel Hub

Part #	A	B	C	D
11-110	1-11/16"	1/4"	29/64"	13/32"

Nylon with Steel Ball Bearing Hub

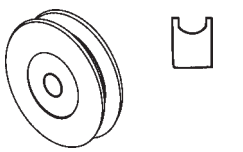
STEEL WHEELS

In Order by Wheel Diameter



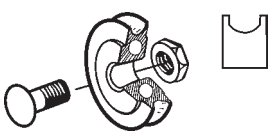
Part #	A	B	C	D
11-130	1"	1/4"	3/8"	5/16"

Steel with Steel Ball Bearing Hub, Nut & Bolt.
11-130X for Roller Only



Part #	A	B	C	D
900-9576	1-1/8"	1/4"	3/8"	5/16"

Steel with Ball Bearing Hub

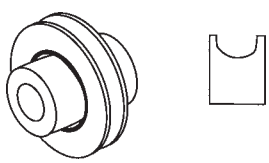


Part #	A	B	C	D
11-116	1-1/4"	1/4"	11/32"	5/16"

Steel with Steel Ball Bearing Hub Nut & Bolt.
11-116X for Roller Only

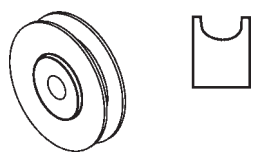
Part #	A	B	C	D
11-116SS	1-1/4"	1/4"	11/32"	5/16"

Stainless Steel Roller Only.



Part #	A	B	C	D
11-139	1-1/4"	1/4"	51/64"	5/16"

Steel with Steel Ball Bearing Hub
ACORN



Part #	A	B	C	D
11-111	1-15/32"	1/4"	11/32"	5/16"

Steel with Steel Ball Bearing Hub

Part #	A	B	C	D
11-111SS	1-15/32"	1/4"	11/32"	5/16"

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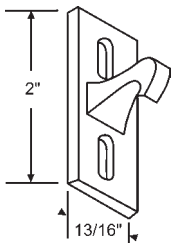
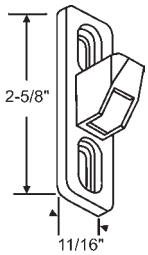
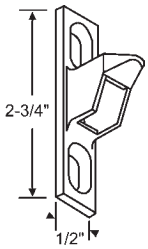


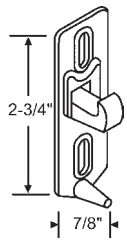
12-251
Chrome Plated
MILLER



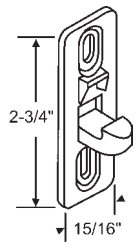
Part #	Finish
12-214	Chrome
12-214B	Black



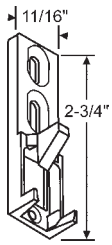
12-211
Chrome Plated
Narrow



12-205
Chrome Plated
CROSSLY

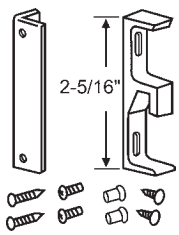


12-216



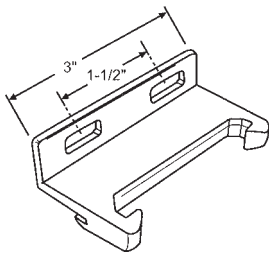
900-9332

QUAKER

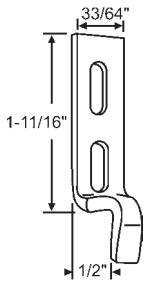


Part #	Finish
12-237	Aluminum
12-237B	Black

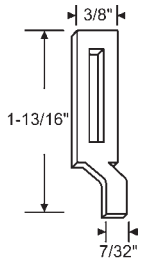
Universal Strike Kit



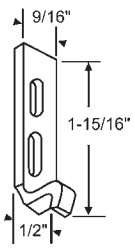
900-69
Mill Finish
YALE-OGRON



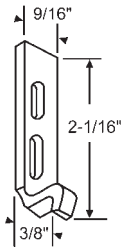
12-304
Metal
WRIGHT PRODUCTS



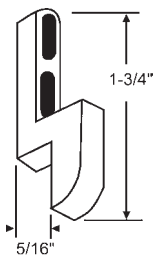
12-206
Metal
RITE SCREEN



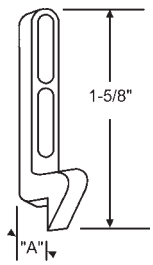
12-248
Metal
ACORN



12-240
Steel
WRIGHT PRODUCTS

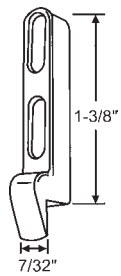


12-212
Mill Finish
RITE SCREEN

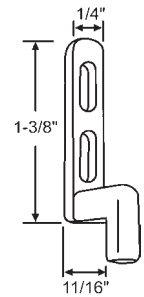


Part #	"A"
12-207	11/16"
12-226	3/16"
12-255	5/16"
12-230	15/32"

Mill Finish

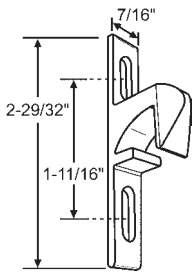


12-256

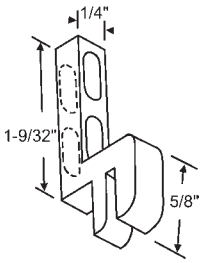


12-287

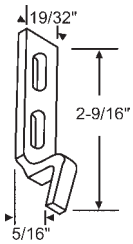
BAYFORM



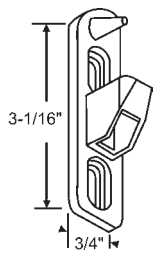
12-306
Aluminum
TM



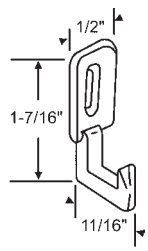
12-268
White Nylon
PGT/LAWSON



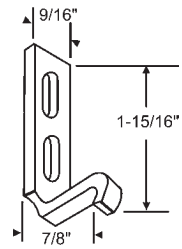
12-250
Metal



12-249
Chrome Plated



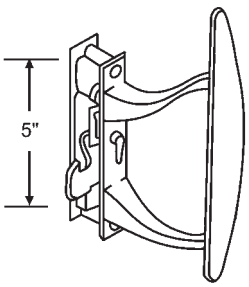
12-232
Metal



12-247
Metal

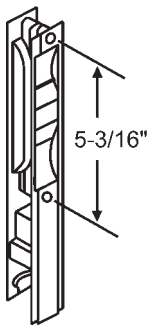
FLUSH MOUNT HANDLES FOR PATIO DOORS

In Order by Hole Spacing

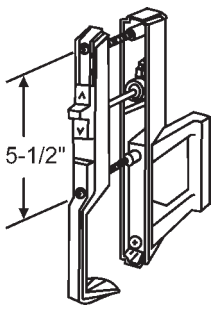


Part #	Hand	Finish
13-171	Shown	Aluminum
13-172	Opposite	Aluminum

TUCKER

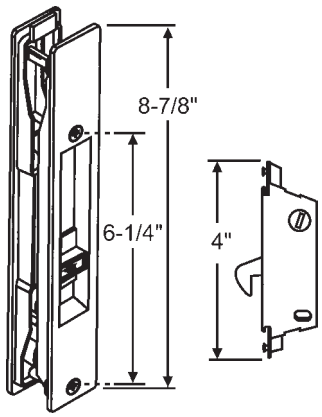


13-177
DARYL

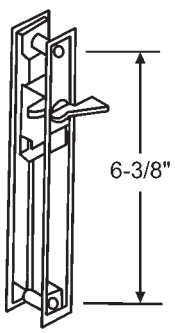


Part #	Finish
13-275	Black
13-275W	White
13-275AB	Antique Brass

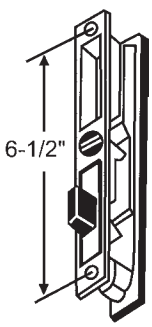
ARIEL/PEACHTREE



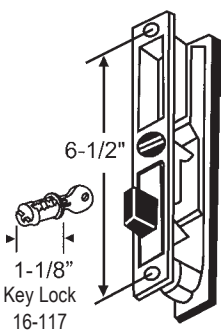
13-391
Black
ADAMS RITE



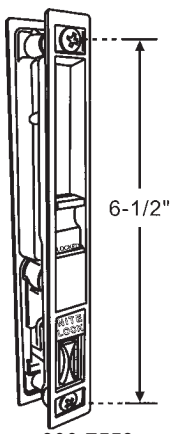
13-175
Less Key Lock
MILLER



13-100
Handle Set Less Key Lock
Chrome Plated
For Optional Pull Handle Use 13-108
CROSSLY



13-107
Handle Set with Key Lock
Chrome Plated
For Optional Pull Handle Use 13-108
CROSSLY

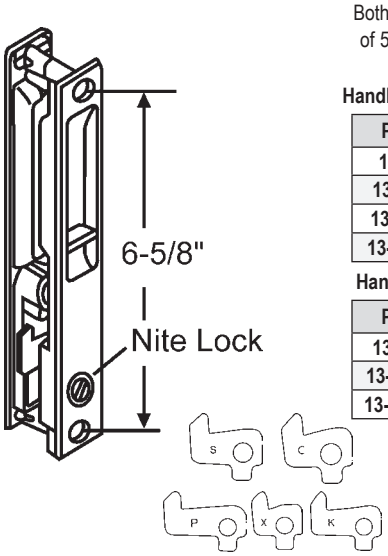


900-7559
Black
No Longer Available.
Use: 13-140B or 13-192B

FLUSH MOUNT HANDLES FOR PATIO DOORS

In Order by Hole Spacing

Fit-All Flush Mount Handle Set with Nite Lock



Both Handle Sets Include: Each of 5 Cam Sizes (S,C,P,X,K), 2 Screws and Keeper

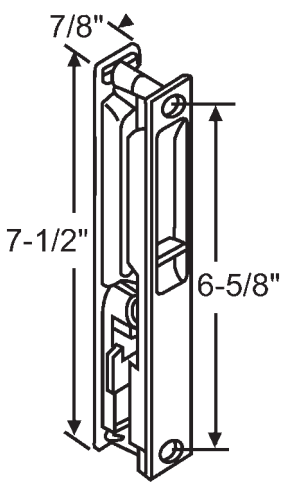
Handle Set without Key Cylinder

Part #	Finish
13-140	Chrome
13-140B	Black
13-140W	White
13-140BZ	Bronze

Handle Set with Key Cylinder

Part #	Finish
13-140K	Chrome
13-140BK	Black
13-140WK	White

Fit-All Flush Mount Handle Set without Nite Lock



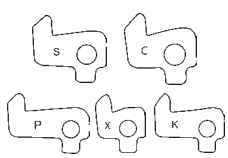
Both Handle Sets Include: Each of 5 Cam Sizes (S,C,P,X,K), 2 Screws and Keeper

Handle Set without Key Cylinder

Part #	Finish
13-192	Chrome
13-192B	Black
13-192W	White

Handle Set with Key Cylinder

Part #	Finish
13-192K	Chrome
13-192BK	Black
13-192WK	White



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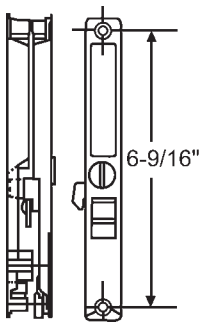
FLUSH MOUNT HANDLES FOR PATIO DOORS

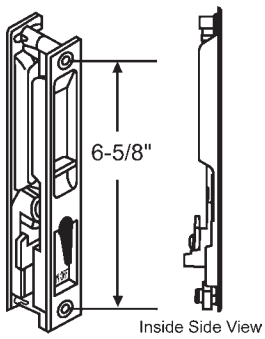
In Order by Hole Spacing



Part #	Finish
13-292	Chrome Plated
13-292W	White
13-292B	Black

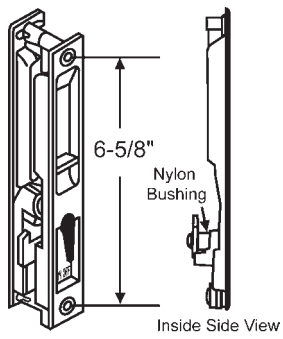
With Nite Lock, "C" Cam and Keeper

PAN AM/NU AIRE



Part #	Finish
900-21019	Black
900-21019C	Chrome
900-21019W	White

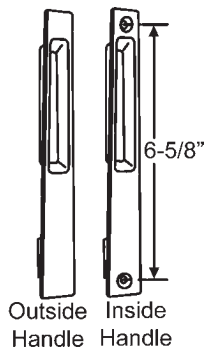
With Nite Lock, "S" Cam and Keeper



Part #	Finish
13-433B	Black
13-433W	White

With Nite Lock, "P" Cam & Keeper

PGT 2500 SERIES

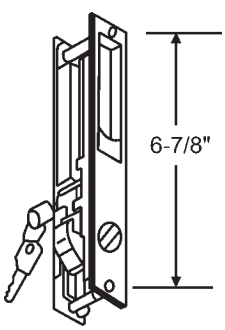


Part #	Finish
13-311	Chrome
13-311W	White
13-311B	Black

Flush mount dummy set

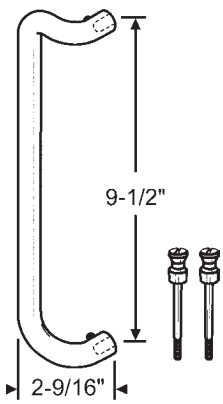
HANDLES FOR PATIO DOORS

In Order by Hole Spacing



Part #	Description
13-178	w/Key Lock
13-178X	No Key Lock

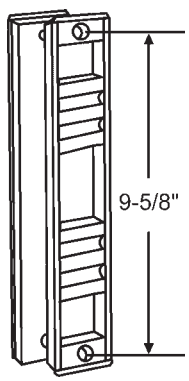
DARYL



13-531W

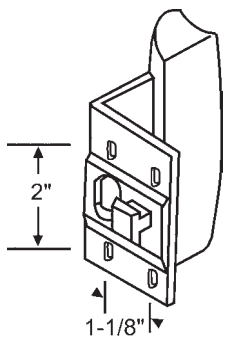
White. 1" Offset. Handle for #900-17543W

TM PRODUCTS



Part #	Finish
900-17543	Black
900-17543W	White

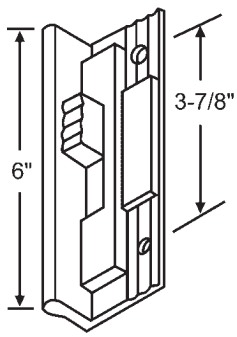
TM PRODUCTS



13-191

Black. Used with Lock Bar 16-188 and 16-230

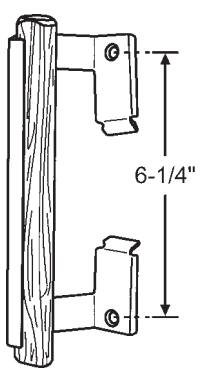
CAPITOL



900-49

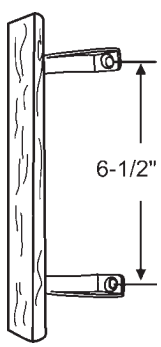
Interior Handle

Aluminum Finish



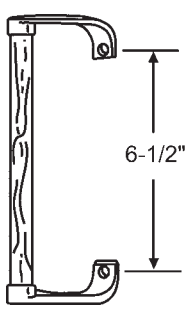
Part #	Finish
13-558	Black
13-558W	White

ADAMS RITE



Part #	Finish
13-259	Chrome with Wood Handle
13-259B	Black with Wood Handle

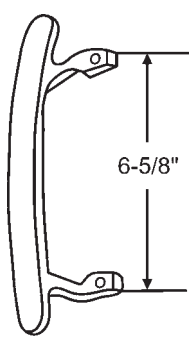
Solid One Piece Bracket



13-108B

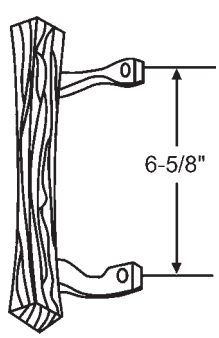
Wood with Black Brackets

CROSSLY



Part #	Finish
13-105	Chrome
13-105B	Black
13-105W	White

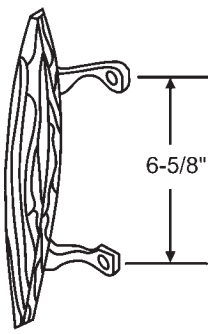
Die Cast



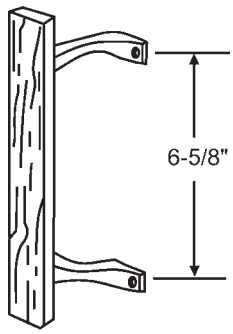
Part #	Finish
13-109	Chrome with Wood Handle
13-109B	Black with Wood Handle
13-109W	White with Wood Handle

HANDLES FOR PATIO DOORS

In Order by Hole Spacing

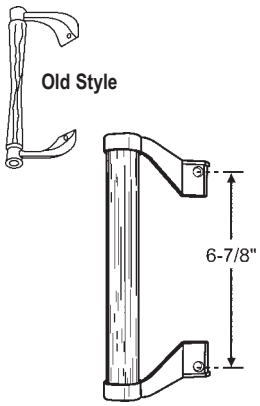


Part #	Finish
13-115	Chrome with Wood Handle
13-115B	Black with Wood Handle

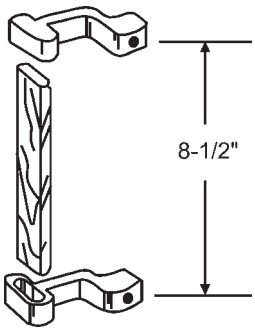


Part #	Finish
13-232	Chrome with Wood Handle
13-232B	Black with Wood Handle

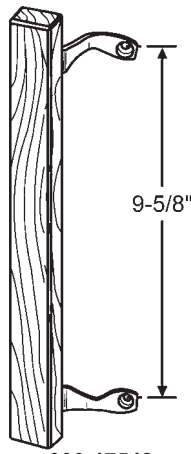
Heavy Duty Brackets
CAPITOL



900-9
Walnut Handle with Brackets
DARYL

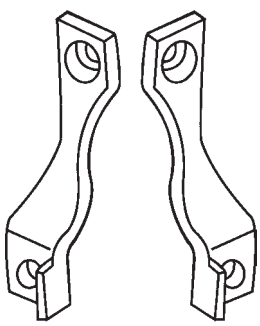


13-190B
Wood with Black Brackets
Use with 13-100 and 13-107
CAPITOL



900-17542
Wood Handle w/ Chrome Bracket
2 Screws Included
TM PRODUCTS

HANDLE BRACKETS



Part #	Finish
16-125	Black
16-123	Chrome

Handle Brackets Sold in Pairs
Used with 13-109, 13-115

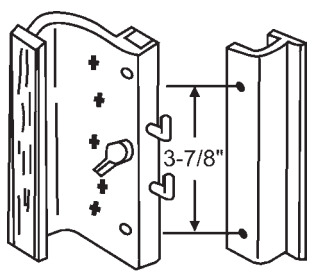
HANDLE SCREWS

Part #	Length	Finish
20-005	7/8"	Chrome
20-006	1"	Chrome
20-006B	1"	Black
20-006W	1"	White
20-007	1-1/8"	Chrome

10-32 Chrome Plated
Oval Head Screw

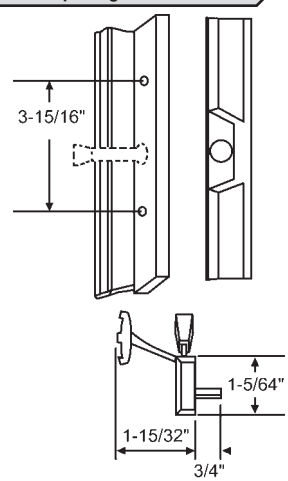
HANDLE SETS FOR PATIO DOORS

In Order by Style and Hole Spacing

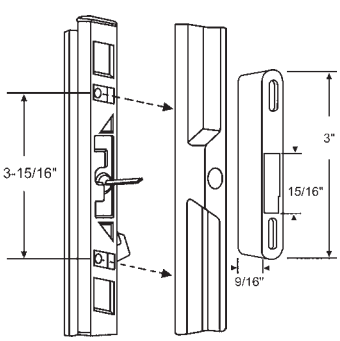


Part #	Finish
13-153	Aluminum
13-153B	Black

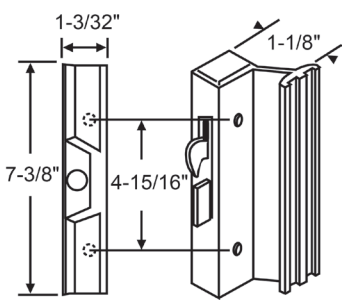
ADOR HI-LITE



Part #	Description	Finish
900-21409W	No Key	White
900-21409B	No Key	Black
900-21409WK	With Key	White

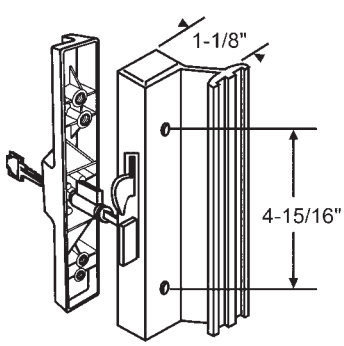


900-13021
Handle Assembly with Keeper
Uses 900-9169 Mortise Lock
PENNCO



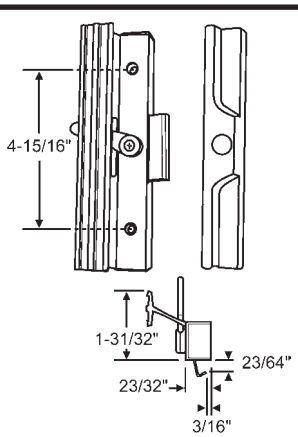
Part #	Finish
13-152	Aluminum
13-152B	Black

Includes Fit-All Keeper Assy., Screws and Black Outside Pull



Part #	Finish
13-152K	Aluminum
13-152BK	Black

Includes Fit-All Keeper Assy., Screws and Black Outside Pull with Key Cylinder

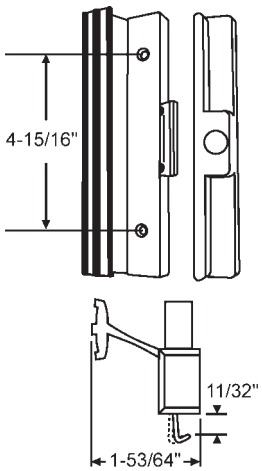


Part #	Finish
13-271	Black
13-271WH	White

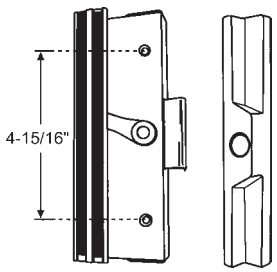
AZA SALES
TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

HANDLE SETS FOR PATIO DOORS

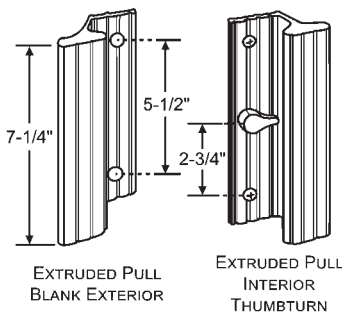
In Order by Style and Hole Spacing



13-195W
White
No Longer Available.
Use: 13-271WH

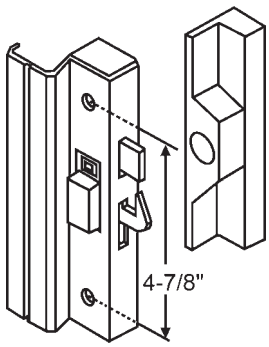


13-250B
Black. Surface Mount, Clamp Style

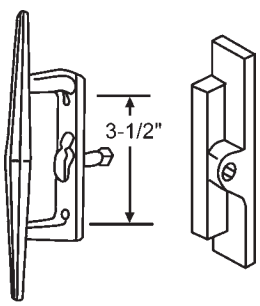


Part #	Finish
13-541	Aluminum Anodized
13-541BZ	Bronze Anodized

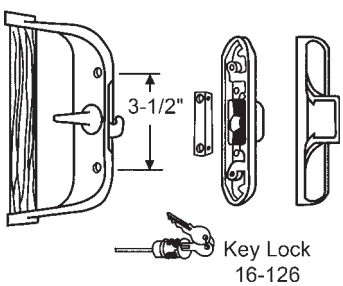
Extruded
KAWNEER



13-255
Black
PEACHTREE/CITATION

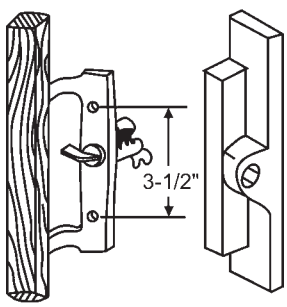


13-106
Original Acorn Metal Handle Set
Base Plate Only: 900-8200
ACORN



Part #	Description
13-188K	w/Key Lock
13-188	No Key Lock

Gray



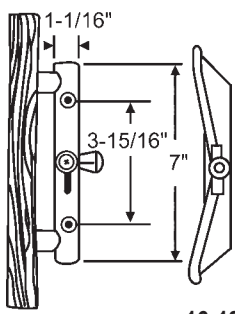
Handle Set without Key Cylinder

Part #	Finish
13-106X	Black
13-106WX	White

Handle Set with Key Cylinder

Part #	Finish
13-106KX	Black
13-106WK	White

Both Sets Include Keeper and Two Sets of Screws
ACORN REPLACEMENT



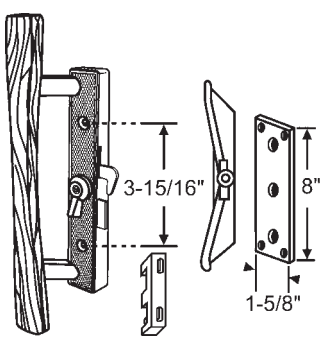
16-126
Key Lock

Handle Set with Key Lock

Part #	Finish
13-101	Aluminum w/Brown Handle

Handle Set without Key Lock

Part #	Finish
13-114	Aluminum w/Brown Handle



Handle Set with Plate

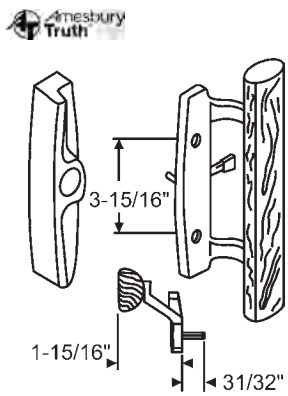
Part #	Finish
13-112	Aluminum with Wood Handle

Handle Set without Plate

Part #	Finish
13-112X	Aluminum with Wood Handle

Handle Set with Plate and 16-126 Key

Part #	Finish
13-113	Aluminum with Wood Handle



Handle Set without Key Cylinder

Part #	Finish
13-154	Black
13-154W	White
13-154-8	Chestnut Bronze
13-154A	Almond

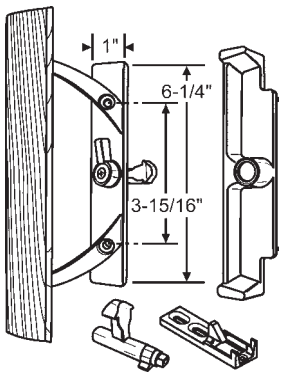
Handle Set with Key Cylinder

Part #	Finish
13-154K	Black
13-154WK	White

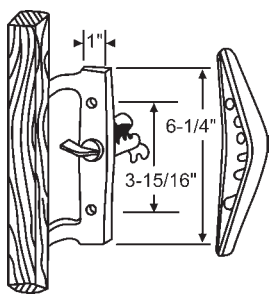
Metal with Wood Handle
SASH CONTROLS

HANDLE SETS FOR PATIO DOORS

In Order by Style and Hole Spacing

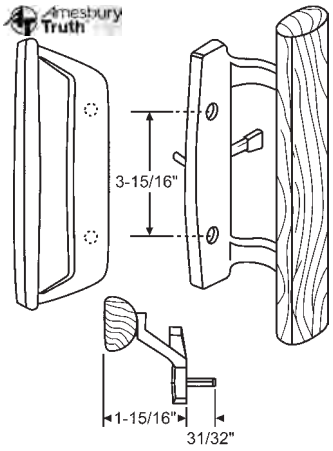


13-452B
Black. Set Includes Both Short & Long Latch Bolt. Uses **900-9332** Keeper
WELLS



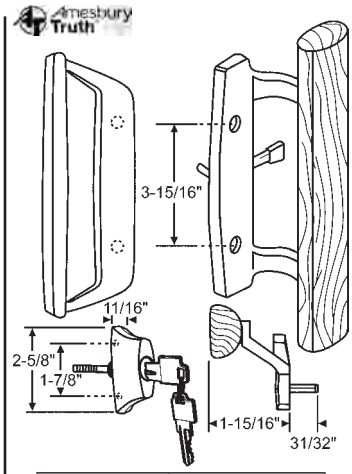
Part #	Finish	Description
13-104	Aluminum	No Key
13-104K	Aluminum	w/Key
13-141	Black	No Key

with 12-240 Keeper



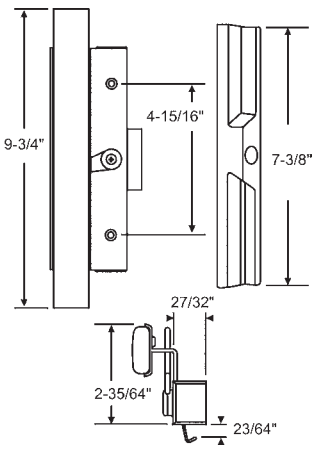
Part #	Finish
13-265BL	Black
13-265	White

No Key
SILVER LINE/JORDON

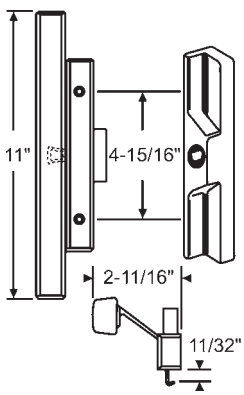


Part #	Finish
13-265BLK	Black
13-265K	White

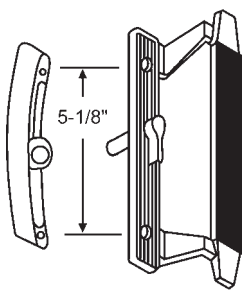
With Key



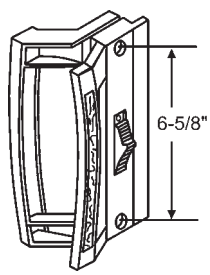
13-258
Black Finish. All Metal with Wood Handle
ROLLYSON



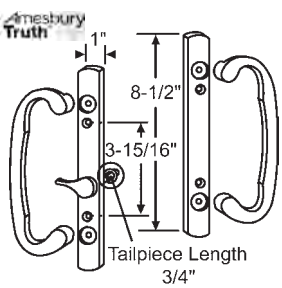
900-11414
Black with Wood Handle. Black Outside Pull
TRACO



13-173
Gray Finish. 13-194 Outside Pull Only
HOWARD

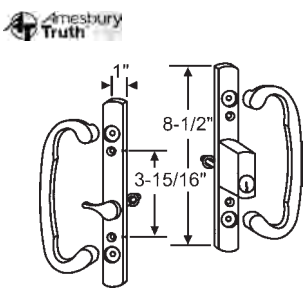


900-16317
Black. Includes Keeper and Screws
NORANDEX



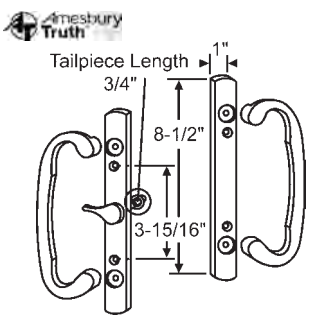
Part #	Finish
13-245AD	Almond
13-245BP	Brass Plated
13-245BC	Brushed Chrome
13-245W	White
13-245B	Black
13-245-8	Bronze
13-245AB	Antique Brass

Offset Latch. 2265 Stamped on Back of Plate. Mortise Lock Sold Separately
SASH CONTROLS



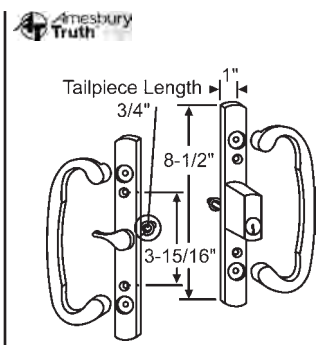
Part #	Finish
13-245ADK	Almond
13-245BPK	Brass Plated
13-245BCK	Brushed Chrome
13-245WK	White
13-245BK	Black
13-245-8K	Bronze
13-245ABK	Antique Brass

Offset Latch. 2265 Stamped on Back of Plate. Mortise Lock Sold Separately
SASH CONTROLS



Part #	Finish
13-291	White
13-291B	Black

White. No Key. **Center Latch**
2265 Stamped on Back of Plate
Mortise Lock Sold Separately
SASH CONTROLS



13-291K
White. With Key. **Center Latch**
2265 Stamped on Back of Plate
Mortise Lock Sold Separately
SASH CONTROLS

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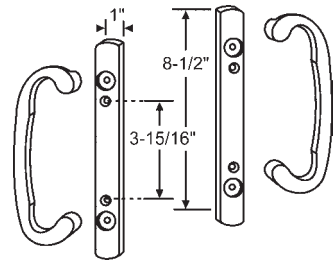
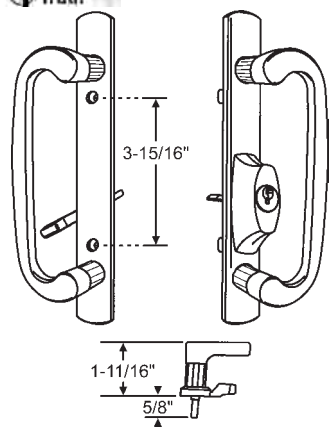
HANDLE SETS FOR PATIO DOORS

In Order by Style and Hole Spacing



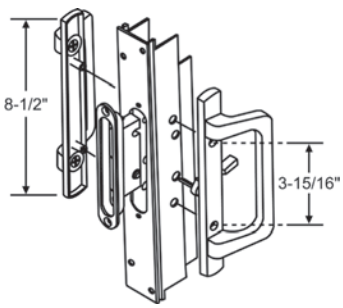
Part #	Finish
13-284DAB	Zinc-Antique Brass
13-284DBC	Zinc-Brushed Chrome
13-284DW	Zinc White

Dummy Set
Mortise Lock Sold Separately
SASH CONTROLS



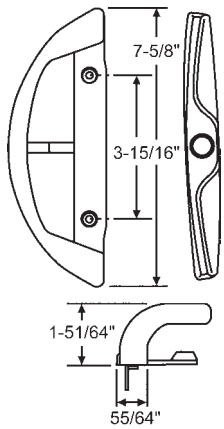
Part #	Description
13-295-10K	**Offset Latch** w/Key Lock

Black

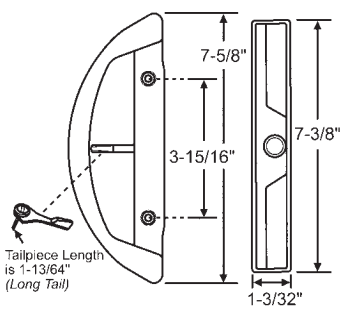


Part #	Finish
13-423-3	White
13-423-8	Bronze

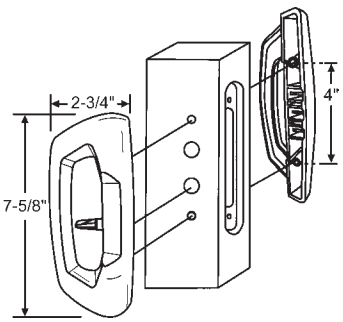
For Active Door
PGT



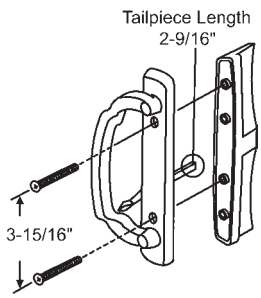
13-485W
White. Center or Offset Latch
(Alternate Lever Location)



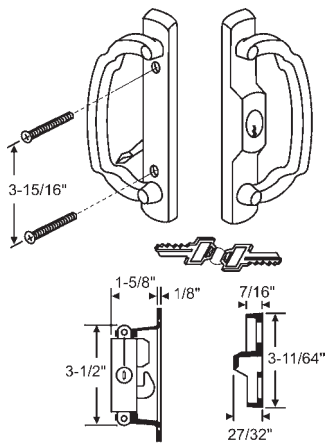
13-518W
White. No Key. Pack with Assorted Screws to Fit Doors 1-1/2" to 2" Thick
OMEGA



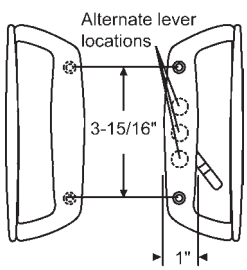
13-278X
White
Molded Polymer

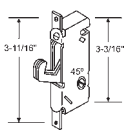


13-280
White
ACORN

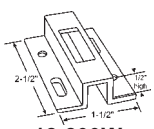


13-296PBKA
Solid brass in a polished lacquered finish with key combination mortise lock, keeper and all necessary screws.
PEACHTREE/PRADO





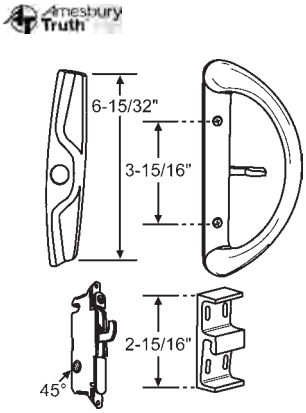
16-175
Mortise Lock



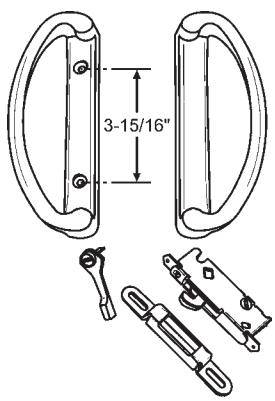
12-299W
Keeper

Part #	Finish
900-21630	White
900-21630B	Bronze

AMERICAN WEATHERSEAL

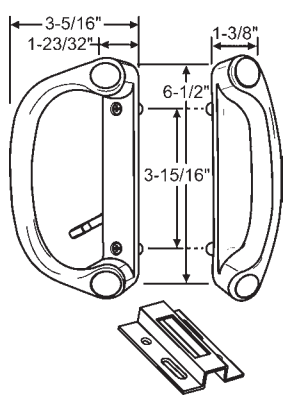


13-328-46
.750 Lever. Appliance White. Complete with Mortise Lock & Keeper, Lever and Screws



Part #	Finish
13-533B	Black
13-533W	White

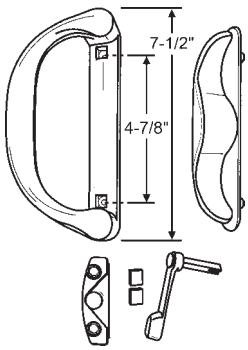
LAWSON



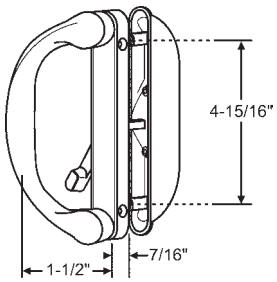
13-508W
White
SILVER LINE

HANDLE SETS FOR PATIO DOORS

In Order by Style and Hole Spacing

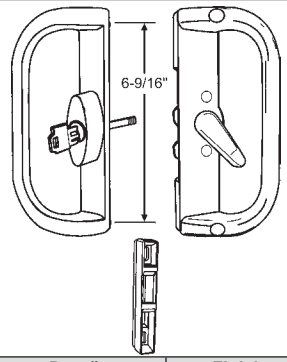


13-555W
White. Non-Locking Handle Kit
RC ALUMINUM



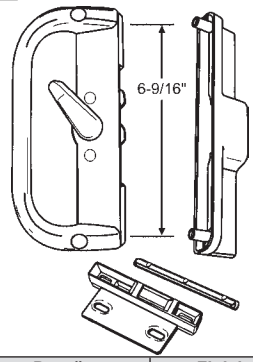
Part #	Finish
13-473W	White
13-473BZ	Bronze

ESW/GENERAL IMPACT/MILGARD



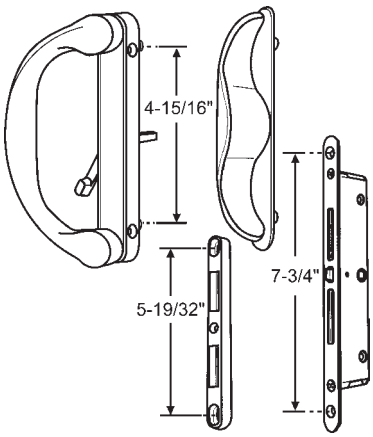
Part #	Finish
13-384BK	Black
13-384WK	White

With Keeper and Key, Double Cam
TRACO/THREE RIVERS

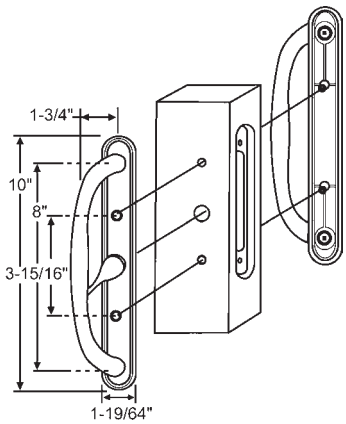


Part #	Finish
13-384B	Black
13-384W	White

With Keeper, No Key,Double Cam
TRACO/THREE RIVERS

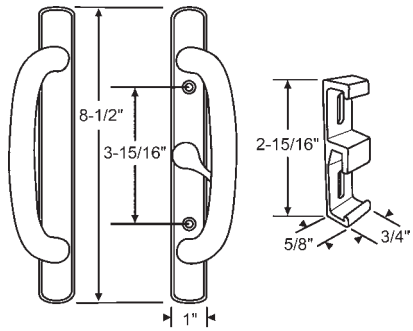


13-393W
White

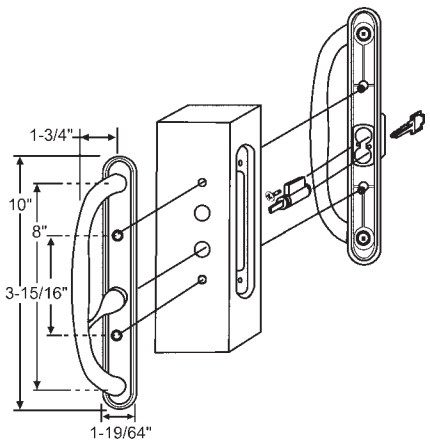


Part #	Finish
13-430W	White
13-430B	Black

Center Latch. No Key

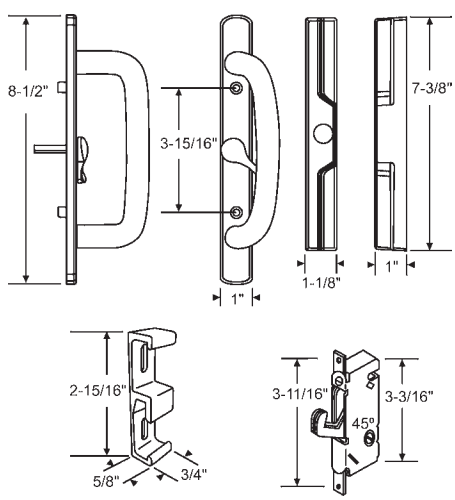


13-598W
Center Latch, White
with Keeper



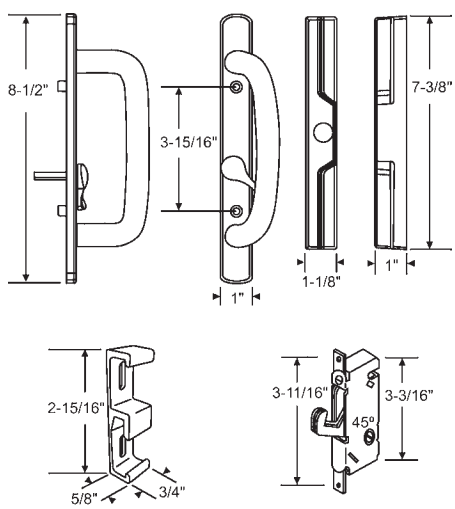
Part #	Finish	Description
13-341BKA	Black	w/Key, Mortise Lock & Keeper
13-341WKA	White	w/Key, Mortise Lock & Keeper
13-341W	White	No Key, No Mortise Lock & Keeper
13-341B	Black	No Key, No Mortise Lock & Keeper
13-341BC	Brushed Chrome	No Key, No Mortise Lock & Keeper
13-341WK	White	w/Key, No Mortise Lock & Keeper

Offset Latch



Part #	Description
13-499WA	Includes Mortise Lock
13-499W	No Mortise Lock

Center Latch. White. 1" Inside Plate Width



Part #	Description	Hand
13-441RHWA	Includes Mortise Lock	RH (shown)
13-441RHW	No Mortise Lock	RH (shown)
13-441LHWA	Includes Mortise Lock	LH
13-441LHW	No Mortise Lock	LH

Offset Latch. White. 1" Inside Plate Width.

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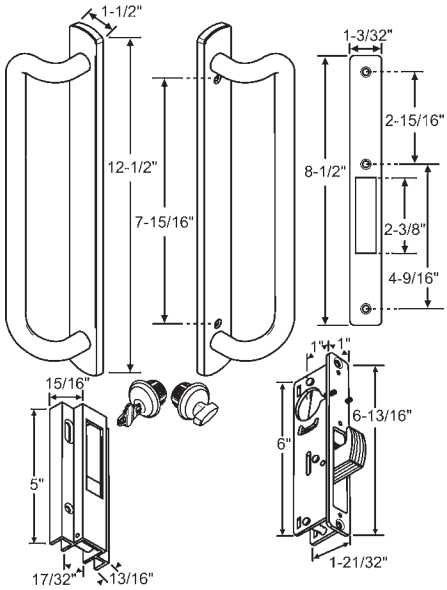
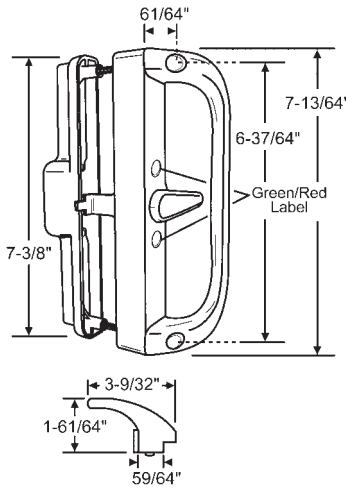
HANDLE SETS FOR PATIO DOORS



Part #	Finish
13-489WKA	White
13-489MADKA	Almond

Keyed Handle Set

PGT 5400 SERIES



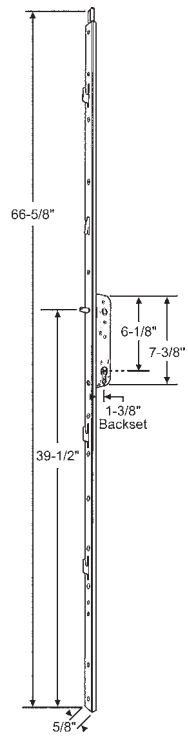
13-526W

White

ROYAL DIVA

SLIDING DOOR INNER GEAR

HOPPE
Handle of excellence.



850-8785527

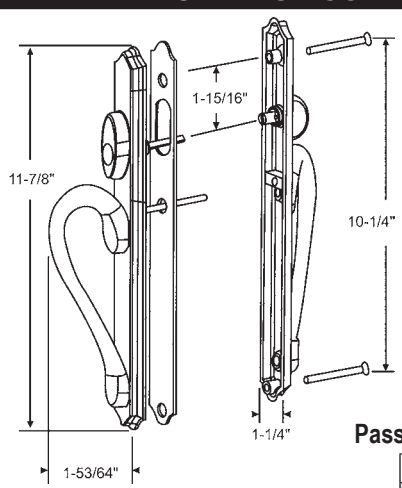
Inner Gear for Old Style FUHR Sliding Door.

See Page 368 for Old FUHR Handle Set

SLIDING DOOR TRIM SETS

ASHLAND HARDWARE SYSTEMS

Used by Marvin Integrity, Comfort Line, Therma Tru, Kolbe & Kolbe



Solid Brass Sliding Door Trim Sets

Active - Thumb Turn w/Key

For 1.7" Door	
Part #	Finish
13-342AB	Antique Brass
13-342BC	Brushed Chrome
13-342BRS	PVD Brass
13-342CH	Chrome

For 2.0" Door	
Part #	Finish
13-345AB	Antique Brass
13-345B	Black
13-345BC	Brushed Chrome
13-345BRS	PVD Brass
13-345CH	Chrome
13-345ORBZ	Oil Rubbed Bronze
13-345P	Pewter
13-345PB	Polished Brass
13-345SCH	Satin Chrome
13-345SNK	PVD Satin Nickel

Active - Thumb Turn No Key

For 1.7" Door	
Part #	Finish
13-343AB	Antique Brass
13-343PB	Polished Brass
13-343ORBZ	Oil Rubbed Bronze
13-343CH	Chrome
13-343BC	Brushed Chrome
13-343SCH	Satin Chrome
13-343P	Pewter
13-343B	Black
13-343BRS	PVD Brass
13-343SNK	PVD Satin Nickel

Passive - No Thumb Turn, No Key

For 1.7" Door	
Part #	Finish
13-344PB	Polished Brass
13-344ORBZ	Oil Rubbed Bronze
13-344CH	Chrome
13-344BC	Brushed Chrome
13-344SCH	Satin Chrome
13-344P	Pewter
13-344AB	Antique Brass
13-344AD	Almond
13-344B	Black
13-344W	White
13-344BRS	PVD Brass
13-344SNK	PVD Satin Nickel

Zinc Die Cast Sliding Door Trim Sets

Active - Thumb Turn w/Key

For 1.7" Door	
Part #	Finish
13-346B	Black
13-346W	White

Active (Shown) - Thumb Turn No Key

For 1.7" Door	
Part #	Finish
13-347B	Black
13-347W	White

Passive - No Thumb Turn, No Key

For 1.7" Door	
Part #	Finish
13-348B	Black
13-348W	White

OLD STYLE FUHR SLIDING DOOR QUESTIONNAIRE

This form is for an Old FUHR **Sliding** Door Multi-Point System.

NOTE: There are only a few systems available to replace the old FUHR Sliding Door Multi-Point Locks.
Please fill out the questionnaire and a sales representative will contact you with part numbers and availability.

Customer Name: _____ Account Number _____

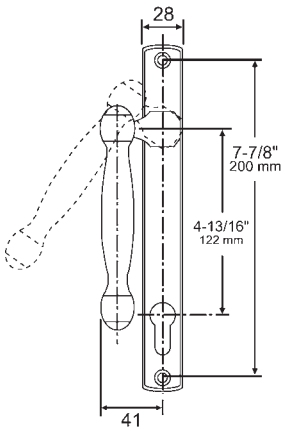
Contact: _____ Phone Number _____

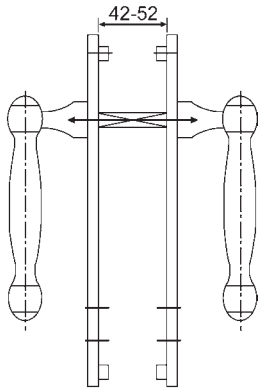
1. **BACKSET:** What is the distance from the edge of the door back to the center of the keyway or thumbturn?
   ❑ 1-1/8" (28mm) ❑ 1-3/8" (35mm)
2. **HANDLE HEIGHT FROM CENTER OF HANDLE SHAFT TO BOTTOM EDGE OF DOOR:** (36" Standard)_____
3. **FACE PLATE WIDTH (runs down edge of door):** ❑ 5/8" (16mm - Flat Rail System) ❑ 1-1/64" (26mm - U-Rail System)
4. **DOOR PANEL HEIGHT:** _____
5. **IS YOUR DOOR MANUAL OR AUTOMATIC:** ❑ Manual ❑ Automatic

Based on the above information, please review the following :_____

Sliding Door Handle Sets Fit FUHR Gear System for 1-3/4" Door Thickness.

392 Back Plate with 574 Handle
Right Hand Shown



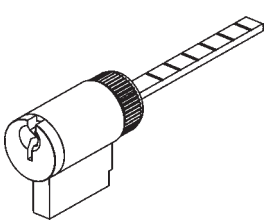


***374 Back Plate with 574 Handle**
Right Hand Shown

Active with Cylinder			
	F71 Polished Brass	**F41 Brushed Chrome**	**F79 Oil Rub Brass**
392/574	**850-8763255**	**850-8763287**	**850-8763303**
Inactive with Thumb-turn			
392/574	**850-8763259**	**850-8763291**	**850-8763299**
Dummy Sets			
392/574	**850-8764451**	**850-8773199**	**850-8764483**

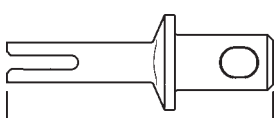
NEW STYLE HOPPE HLS9000 SLIDING DOOR HARDWARE

NOTE: The New Style Hoppe Sliding Door Handle Sets take an American Pizette with a key cylinder and tailpiece.

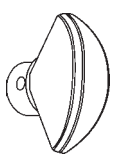


Part Number	Finish
850-2045860	Chrome Plated

Key Cylinder



850-2061421
Thumbturn Shaft Coupling



Crescent Knob

850-8779431
Cylinder Knob Set Screw

Part Number	Finish
850-2739116	F77-R Resista Brass
850-8780983	F73 Antique Brass
850-8780963	F41-R Brushed Chrome
850-2739183	F49-R Polished Chrome
850-8780991	F9010 White
850-2739108	F9714 Matte Black
850-2739175	F44-R Antique Nickel
850-8780951	F01 Silver
850-2739204	F8709 Rustic Umber

Individual cylinder knobs do not come with cylinder set screw.

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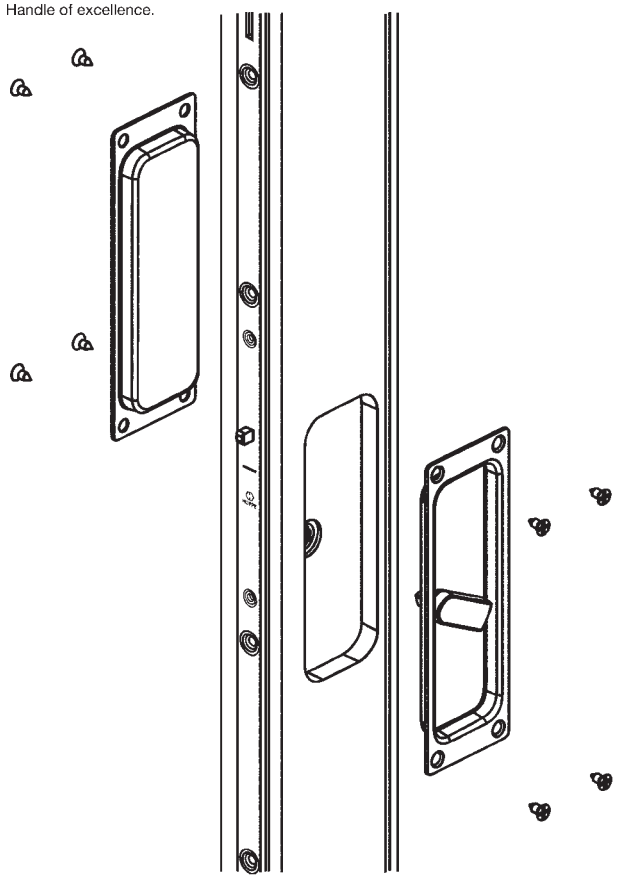
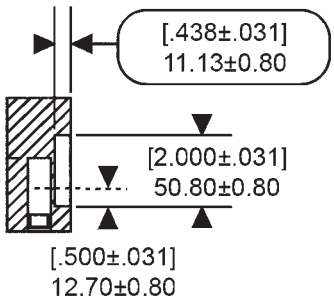
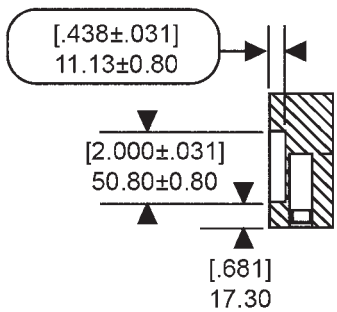
FLUSH SLIDING DOOR TRIM

HOPPE®
Handle of excellence.

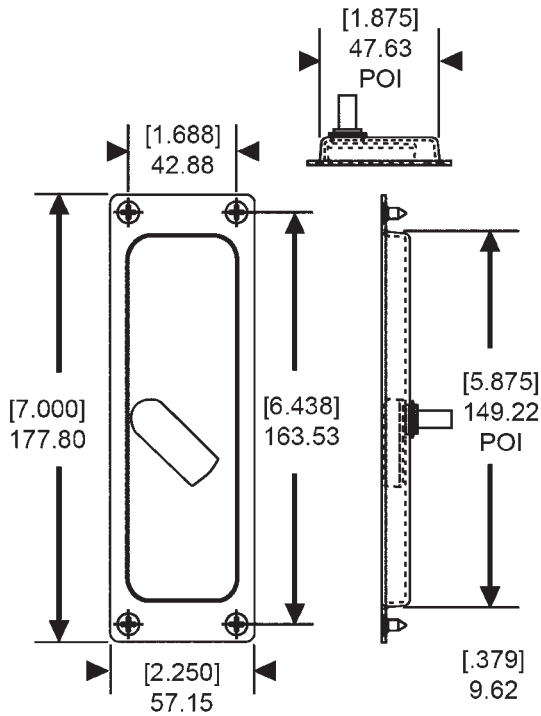




Interior



Exterior



Features and Benefits

- Flush design is ideal for exterior multi-panel bypassing sliding doors and pocketing doors
- High quality bronze base material
- Ergonomic design
- Available in ORB Lacquer and Satin Nickel finishes
- Available as full or half sets
- Designed for HLS9000 Multipoint Sliding Door Lock
- For 1-3/4" doors and 2-1/4" doors

Description	ORB Lacquer	Satin Nickel
Full Trim for 1 3/4" thick door	**850-3971769**	**850-3971806**
Full Trim for 2 1/4" thick door	**850-3971777**	**850-3971814**
Interior Half Trim for 1 3/4" thick door	**850-3971785**	**850-3971822**
Interior Half Trim for 2 1/4" thick door	**850-3971793**	**850-3971831**
Exterior Half Trim	**850-3972825**	**850-3972817**

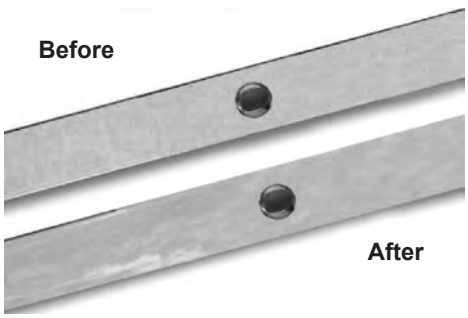
HOPPE®

Handle of excellence.

Unlocked

Locked

3,000 hours Salt Spray Test
Stainless Steel



HLS 9000 Features & Benefits

- Stainless Steel is highly corrosion resistant.
- Retractable hooks create a clean look on the door and jamb when open.
- Two point locking system allows for optimum locking point contact with the jamb to assure passing the most stringent forced entry testing.
- Mishandling device prevents retractable hooks from accidentally firing and potentially damaging the hardware, door or frame.
- Manual lock operation eliminates inadvertent locking of the door.
- Limited Lifetime Mechanical Warranty.
- Available in 30 mm & 35 mm backset.
- Full-length faceplate available to cover continuous.
- Faceplate with radius at top and bottom available for simplified door edge preparation on tall doors.
- Easily adjustable strikes help solve the problem of door panel movement or settling of the house.
- Exceeds the current 100,000 operational cycle testing requirements.

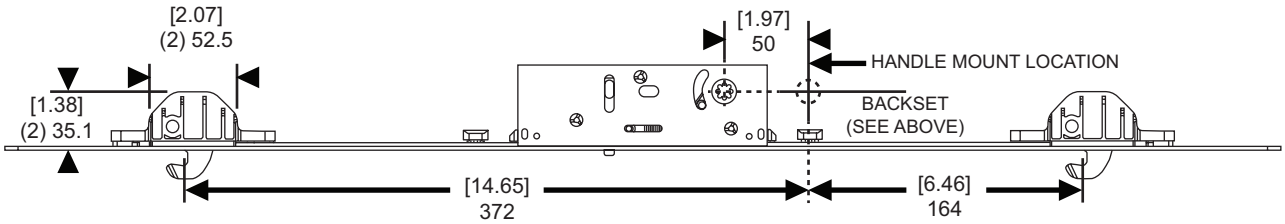
Sliding Door Trim Features & Benefits

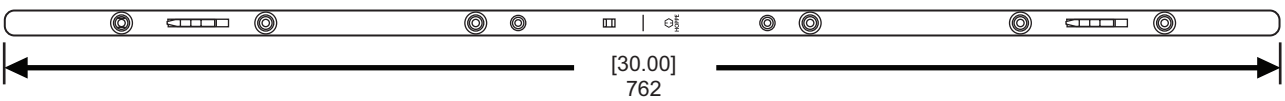
- Solid brass forged handles and backplates.
- Single design theme means corresponding finishes and styles for both sliding and hinged doors.
- Spring assist for easy locking of the system.
- Locked or unlocked status of the door can be easily seen from a distance due to 90 degree cylinder operation.
- Matching dummy trim available for passive panel door.
- Resista® finishes have a Limited Lifetime Finish Warranty.

SLIDING DOOR HARDWARE

Gear

HOPPE® Handle of excellence.





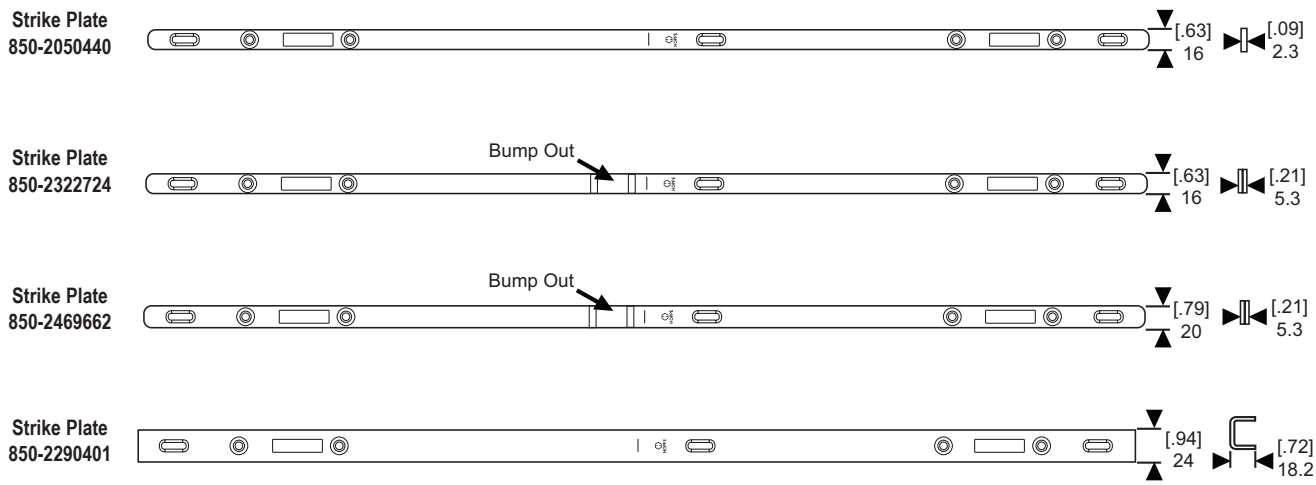
16mm Faceplate Gear

Description	Part Number
30mm backset gear	**850-2082775**
35mm backset gear	**850-2082783**

20mm Faceplate Gear

Description	Part Number
30mm backset gear	**850-2184018**
35mm backset gear	**850-2184000**

Strike



16mm Strike

Description	Part Number
Strike 16mm	**850-2050440**
Strike 16mm	**850-2322724**

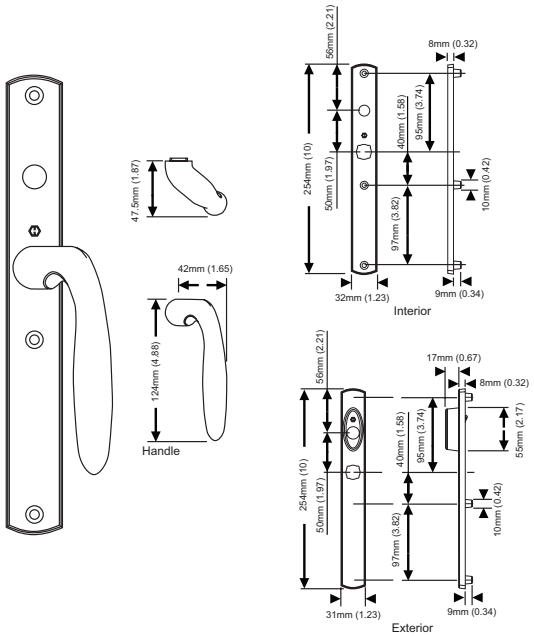
20mm Strike

Description	Part Number
Strike 20mm	**850-2469662**
U-Rail Strike	**850-2290401**

SLIDING DOOR HANDLES

HOPPE®
Handle of excellence.

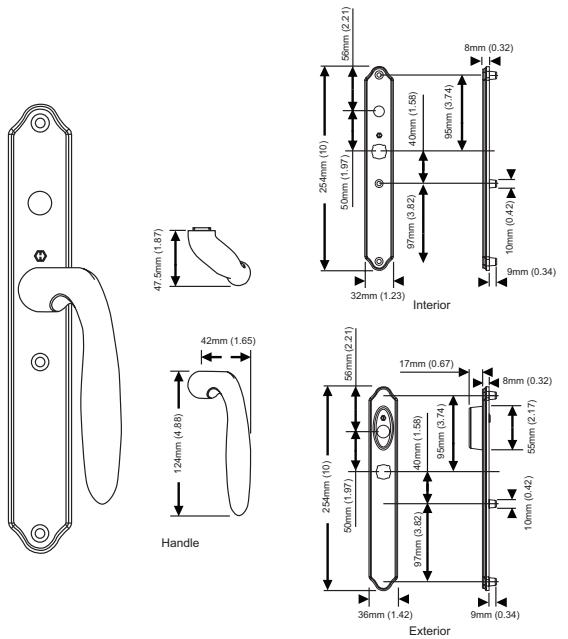
M151VK/2165N



M151VK/M2165N	Resista Brass	Antique Brass	Brushed Chrome	Polished Chrome	White	Matte Black	Satin Nickel	Antique Nickel	Oil Rubbed Brass	Rustic Umber
Active with Cylinder	850-2081959	850-2081967	850-2081975	850-2081983	850-2081991	850-2082003	850-2082011	850-2082020	850-2082038	850-2083743
Active without Cylinder	850-2082492	850-2082505	850-2082513	850-2082521	850-2082530	850-2082548	850-2082556	850-2082564	850-2082572	850-2083807
Dummy Pair	850-2082927	850-2082935	850-2082943	850-2082951	850-2082960	850-2082978	850-2082986	850-2082994	850-2083006	850-2165757

HOPPE®
Handle of excellence.

M151VK/M2170



M151VK/M2170N	Resista Brass	Antique Brass	Brushed Chrome	Polished Chrome	White	Matte Black	Satin Nickel	Antique Nickel	Oil Rubbed Brass	Rustic Umber
Active with Cylinder	850-2081684	850-2081692	850-2081705	850-2081713	850-2081721	850-2081730	850-2081748	850-2081756	850-2081764	850-2083735
Active without Cylinder	850-2082222	850-2082231	850-2082249	850-2082257	850-2082265	850-2082273	850-2082281	850-2082290	850-2082302	850-2083794
Dummy Pair	850-2082839	850-2082847	850-2082855	850-2082863	850-2082871	850-2082880	850-2082898	850-2082901	850-2082919	850-2165749

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SLIDING DOOR HANDLES

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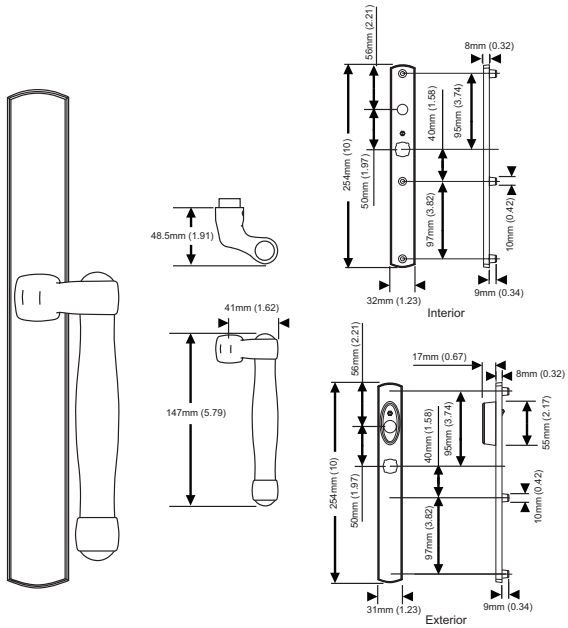
Handle of excellence.

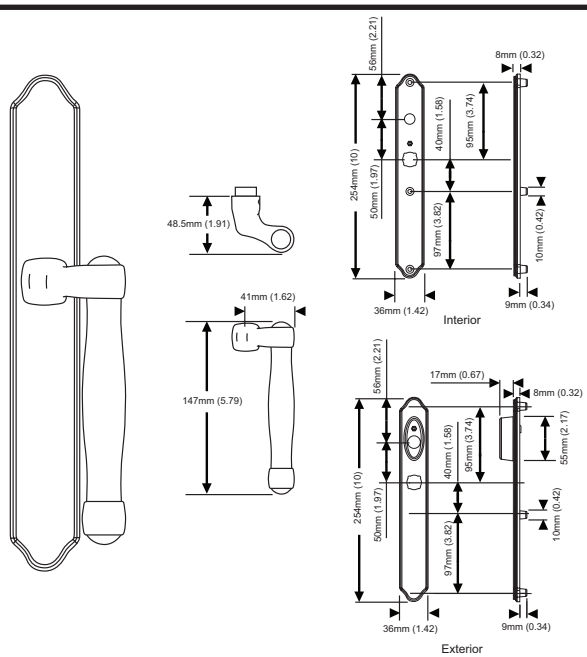
M574/2165N



M574/M2165N	Resista Brass	Antique Brass	Brushed Chrome	Polished Chrome	White	Matte Black	Satin Nickel	Antique Nickel	Oil Rubbed Brass	Rustic Umber
Active with Cylinder	850-2082134	850-2082142	850-2082151	850-2082169	850-2082177	850-2082185	850-2082193	850-2082206	850-2082214	850-2083786
Active without Cylinder	850-2082679	850-2082687	850-2082695	850-2082708	850-2082716	850-2082724	850-2082732	850-2082741	850-2082759	850-2165731
Dummy Pair	850-2083284	850-2083292	850-2083305	850-2083313	850-2083321	850-2083330	850-2083348	850-2083356	850-2083364	850-2165790

HOPPE®
Handle of excellence.

M574/M2170



M574/M2165N	Resista Brass	Antique Brass	Brushed Chrome	Polished Chrome	White	Matte Black	Satin Nickel	Antique Nickel	Oil Rubbed Brass	Rustic Umber
Active with Cylinder	850-2081861	850-2081879	850-2081887	850-2081895	850-2081908	850-2081916	850-2081924	850-2081932	850-2081941	850-2083778
Active without Cylinder	850-2082409	850-2082417	850-2082425	850-2082433	850-2082441	850-2082450	850-2082468	850-2082476	850-2082484	850-2083831
Dummy Pair	850-2083196	850-2083209	850-2083217	850-2083225	850-2083233	850-2083241	850-2083250	850-2083268	850-2083276	850-2165781

SLIDING DOOR HANDLES

HOPPE®
Handle of excellence.

DALLAS SERIES SLIDING DOOR HANDLE

FOR USE WITH HLS9000 MULTIPOINT LOCKING SYSTEM

Our new multipoint Dallas Series Sliding Door Handle features straight, modern lines providing the contemporary aesthetic you have been looking for.

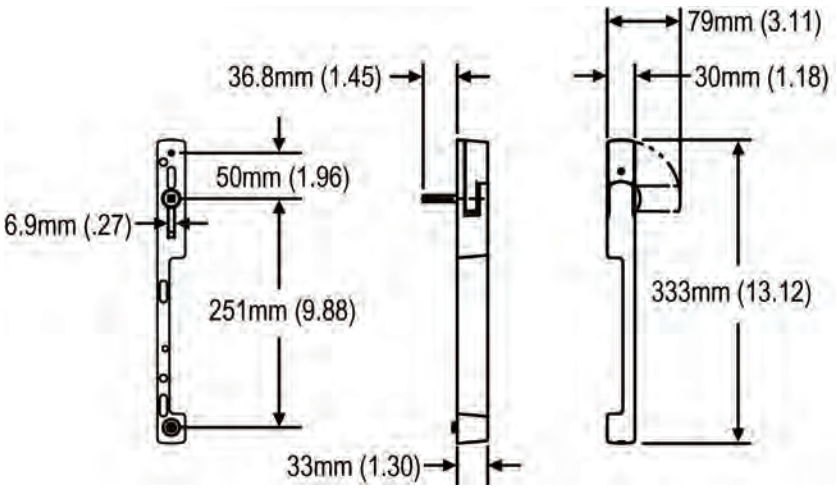
Available in:

Rustic Umber

Alpine Frost

Matte Black

Alpine Frost Finish Shown



Door handing is determined when viewing from the exterior.
LH/XO = sliding panel (X) left, fixed panel (O) right
RH/OX = sliding panel (X) right, fixed panel (O) left

Handle Sets for 1-3/4" thick doors*	Alpine Frost	Rustic Umber	Matte Black
Non-Keyed LH/XO	850-11591754	850-11591766	850-11591778
Non-Keyed RH/OX	850-11591729	850-11591730	850-11591742
Keyed LH/XO	850-11591699	850-11591705	850-11591717
Keyed RH/OX	850-11591663	850-11591675	850-11591687
Dummy LH/XO	850-11591815	850-11591821	850-11591833
Dummy RH/OX	850-11591785	850-11591791	850-11591808

***Please contact your sales representative if your panels are thicker than 1-3/4"**

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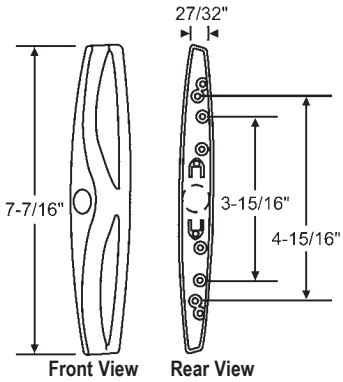
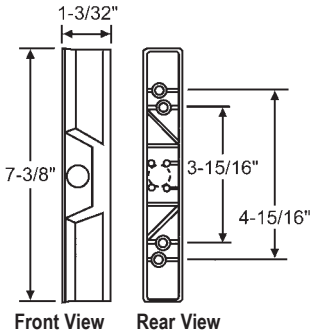
OUTSIDE HANDLE PULLS FOR PATIO DOORS



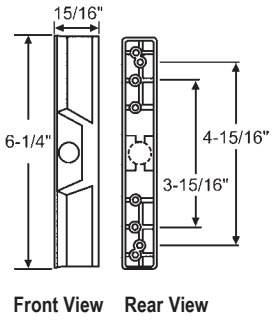
Part #	Finish
13-427B	Black
13-427W	White

Die Cast. No Cylinder Hole

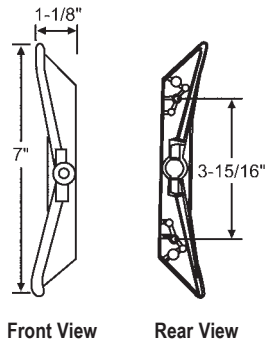


Part #	Description
900-8281	Black Plastic
900-8281M	Black Metal
900-8281MW	White Metal

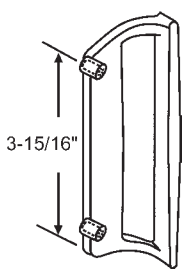
Without Cylinder hole



900-17370
Black
Without Cylinder Hole

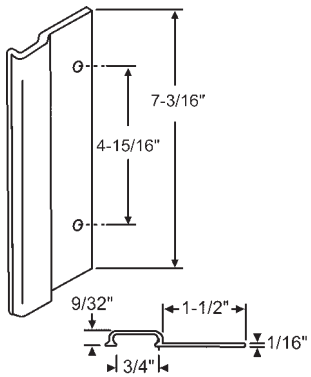


900-48
Aluminum
Die Cast



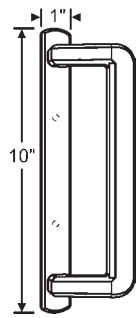
Part #	Finish
13-147	Aluminum
13-147W	White

Flush Mount Pull



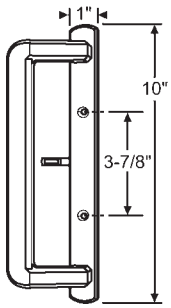
Part #	Finish
16-198	Aluminum

Outside Pull



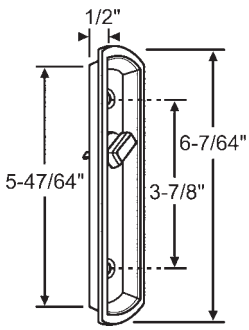
Part #	Finish
13-530B-E	Black
13-530W-E	White

Exterior Handle.
PGT



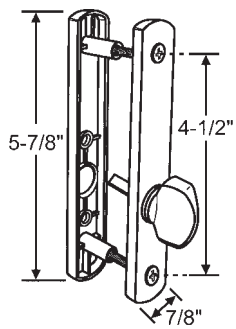
Part #	Finish
13-530B-I	Black
13-530W-I	White

Dummy Interior Handle.
Includes Actuator.
PGT



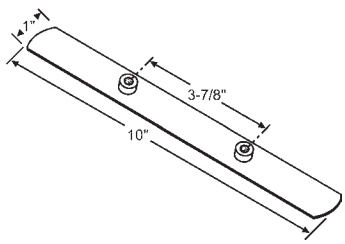
Part #	Finish
16-712BZ	Bronze
16-712SN	Satin Nickel
16-712W	White

Interior Recessed Handle with Thumbturn.
PGT



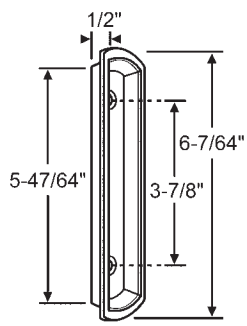
Part #	Finish
16-618BZ	Bronze
16-618SV	Silver
16-618W	White

Latch Assembly
PGT



Part #	Finish
16-714BZ	Bronze
16-714B	Black
16-714W	White

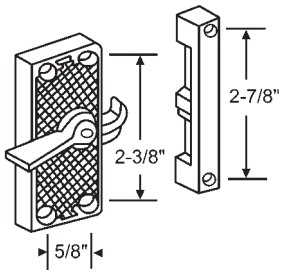
Exterior Flush Plate Handle.
PGT



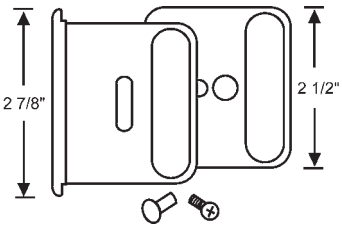
Part #	Finish
16-713BZ	Bronze
16-713SN	Satin Nickel
16-713W	White

Interior Recessed Handle Dummy.
PGT

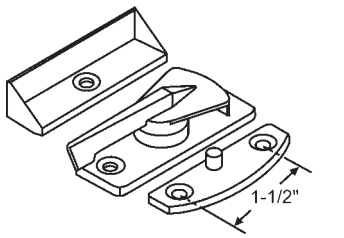
HANDLES FOR PATIO SCREEN DOORS



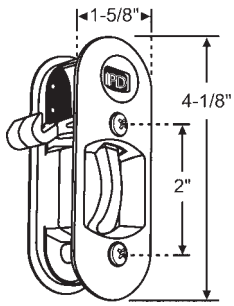
14-60



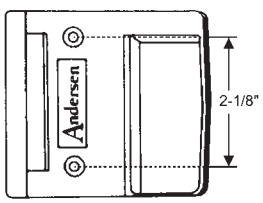
14-134
Black
PAN AM



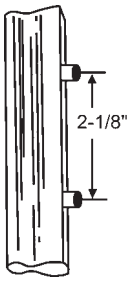
14-97
HOWARD



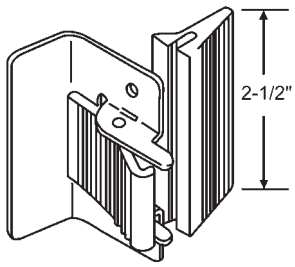
14-116
Almond
PEACHTREE



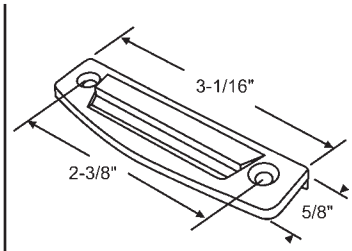
Part #	Finish
750-1997194	Stone
750-1997306	White



Part #	Finish
750-1997195	Stone
750-1997307	White

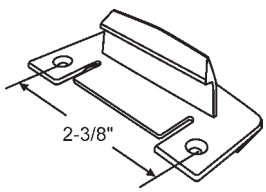


14-72



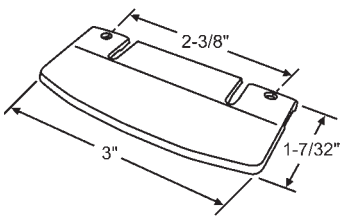
Part #	Finish
16-485B	Black
16-485W	White

Nylon Keeper



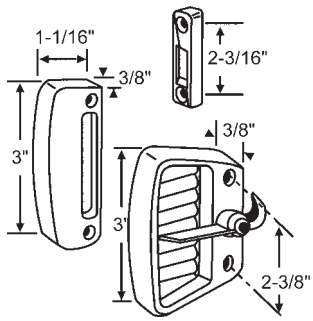
Part #	Finish
16-484B	Black
16-484W	White

Nylon Outside Handle

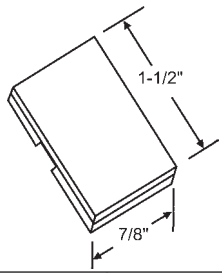


Part #	Finish
16-486B	Black
16-486W	White

Nylon Inside Handle

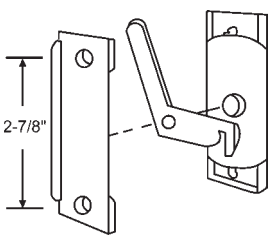


14-75B
Handle Assembly (3 pieces) Black
TRACO

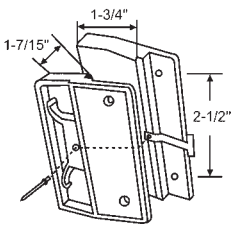


Part #	Finish
16-145	Clear
16-145B	Black

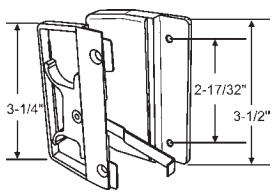
Nylon Latch Handles



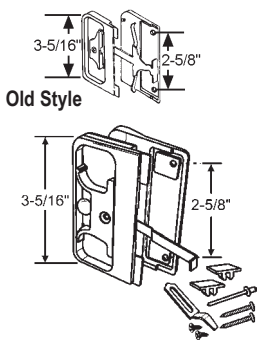
14-61
Handle Assembly with Latch
WALTERS



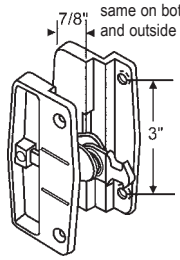
900-17710
Spring Loaded Black Plastic
RITE SCREEN/METAL INDUSTRIES



14-52
Black With Keeper and Screws
RITE SCREEN



14-64
Black
METAL INDUSTRIES



14-95
Handle Assembly
COLUMBIA

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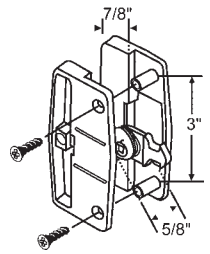
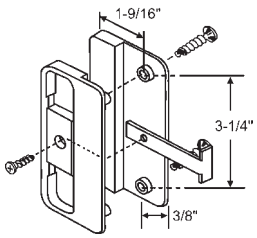
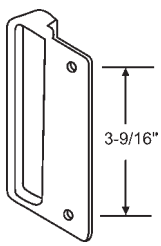
HANDLES FOR PATIO SCREEN DOORS



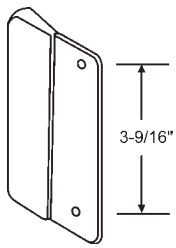
14-94
Black Nylon



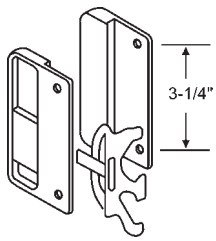
14-96
Handle Set. Black
JIM WALTERS



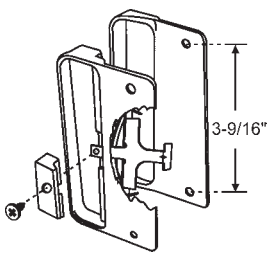
16-148
Black Plastic. Inside



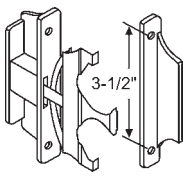
16-149
Black Plastic. Outside



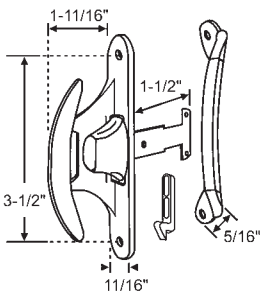
14-63
Handle Assembly
JIM WALTERS



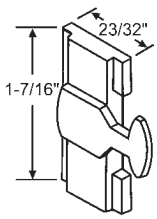
14-62
ACORN



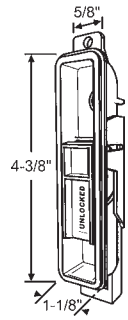
14-103
Black



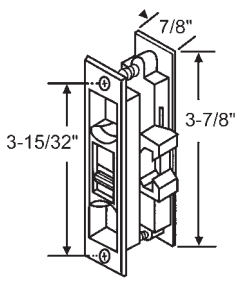
14-155A
Includes Keeper
BAYFORM



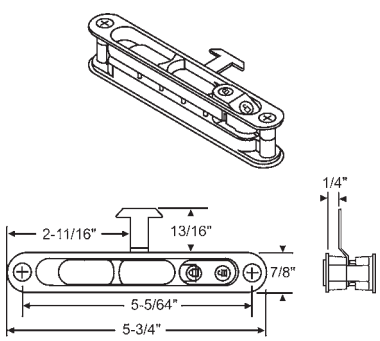
900-10783
Black
CROSSLY



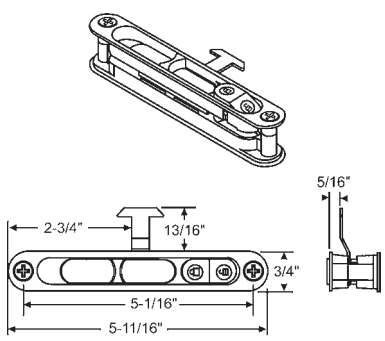
14-127
Plastic Flip Bolt Lever. Beige
PEACHTREE



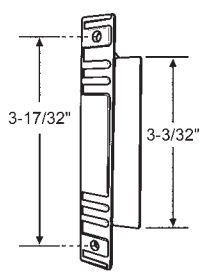
900-11214
Patio Screen Latch Assembly
Includes 12-308 Keeper
PEACHTREE



14-138
Screen Door Lock. Black
RITE SCREEN



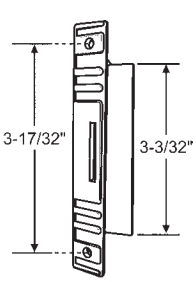
14-170B
Recessed Patio Door Screen Handle. Black
FLORIDA SCREEN REGAL SERIES



Part #	Finish
14-147W	White
14-147DT	Desert Tan

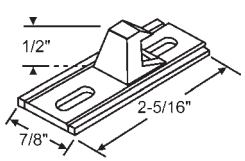
Inside Screen Pull Handle

LATCH ASSEMBLY

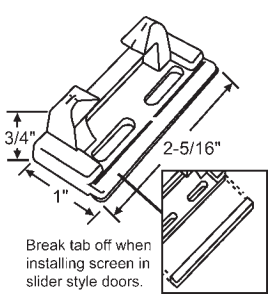


Part #	Finish
14-151BR	Brown
14-151B	Black

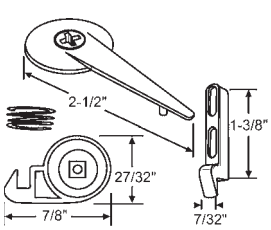
Inside Screen Pull Handle. Brown



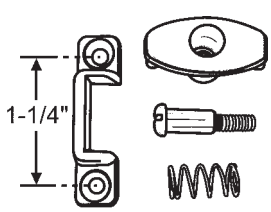
12-308
Black Plastic
PEACHTREE



900-21646
Beige
PEACHTREE

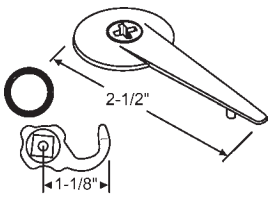


Part #	Description
14-54S	Latch Assembly w/ Spring & 12-256 Keeper
14-54	Latch Assembly Only



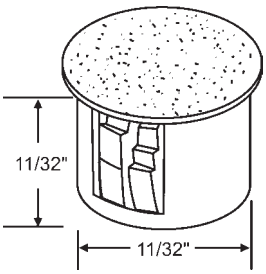
14-51
Latch Assembly
ACORN

LATCH ASSEMBLY

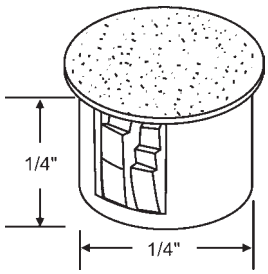


14-55
Latch Assembly

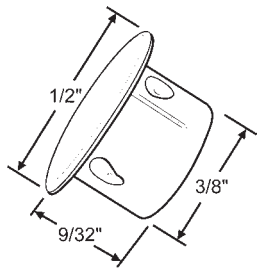
PATIO DOOR SCREW HOLE COVERS



16-335
Large Cover
Black

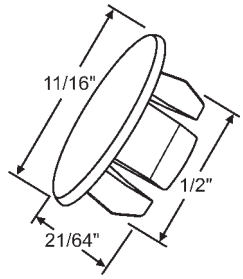


16-336
Small Cover
Black



Part #	Finish
16-826BZ	Bronze
16-826W	White

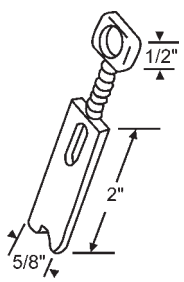
PGT



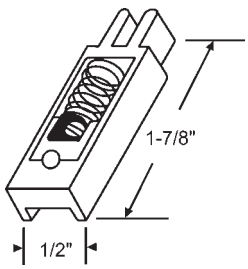
Part #	Finish
16-825BZ	Bronze
16-825W	White
16-825TN	Tan

PGT

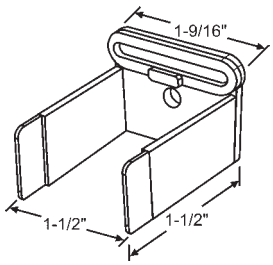
SCREEN DOOR GUIDES



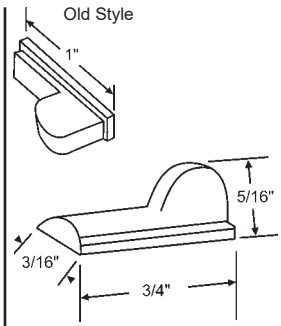
15-50
TUCKER



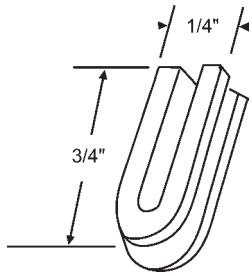
15-58
Nylon
DARYL



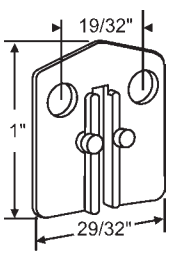
16-61
Black
ANDERSON



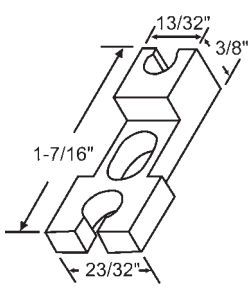
900-6902
CROSSLY/LUMIDOR



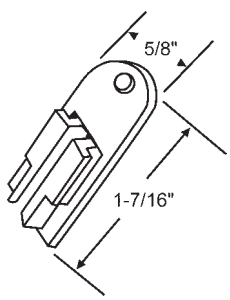
15-94
DARYL



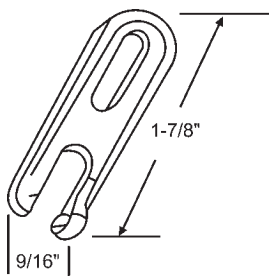
900-10073
Nylon
LAWSON/CROWN



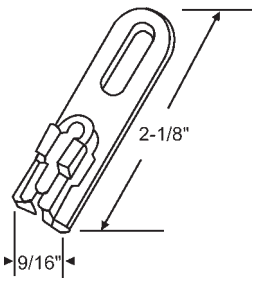
15-62
MILLER



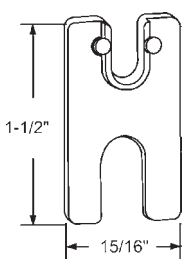
15-63



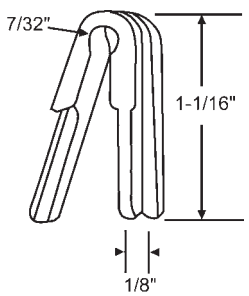
15-55
Screen Guide
CROSSLY



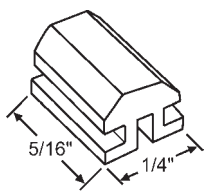
15-54



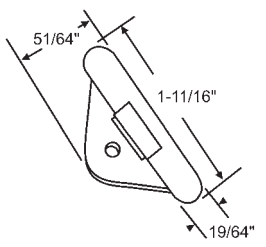
900-10074
Nylon
LAWSON/CROWN



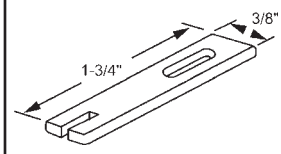
900-71
MILLER



52-846
White
PAN AM/BINNINGS



15-66
Nylon
ALCAN



15-65
Nylon
BELLVIEW

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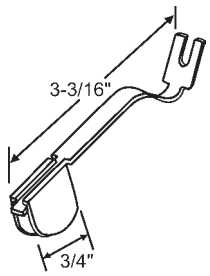
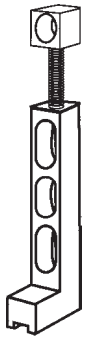
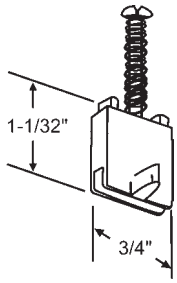
SCREEN DOOR GUIDES



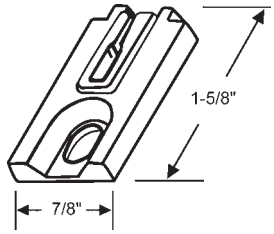
15-57
Nylon
ACORN



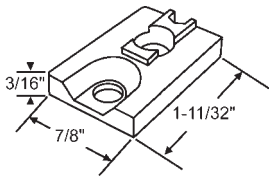
900-15649
TM PRODUCTS



900-84
Bottom Guide
TUCKER

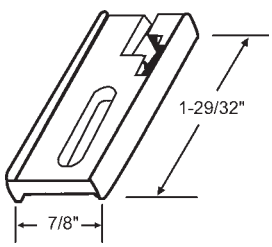


15-52
Top Guide
DARYL

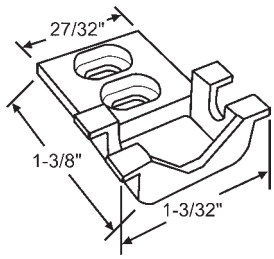


900-78
Bottom Guide
TUCKER

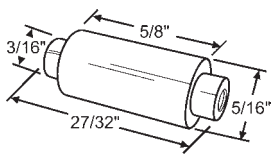
ROLLER ASSEMBLY



15-51
Bottom Guide
CROSSLY

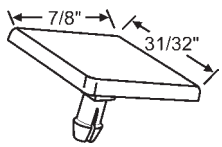


900-5987
Nylon Sliding Roller Housing. Used with 900-10015 Roller



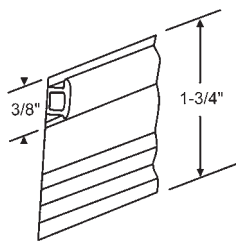
900-10015
Nylon Roller. Used with 900-5987 Housing

HEAD SPACER



900-7236
Screen Head Spacer. Nylon

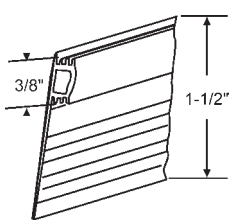
BUG FLAPS



Part #	Length
16-243	50 ft.
16-243M	250 ft.

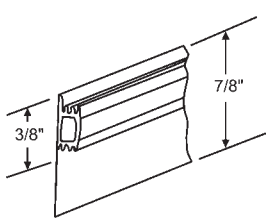
Can Be Torn Away in 3/16" Increments. Black

FIXED PANEL BRACKET



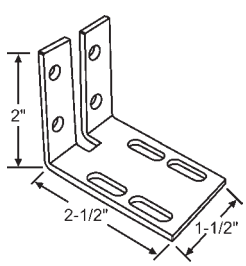
Part #	Length
16-244	50 ft.
16-244M	250 ft.

Can Be Torn Away in 1/8" Increments



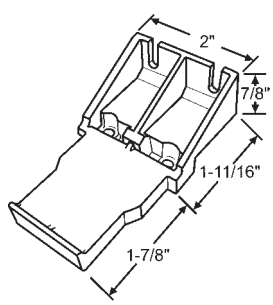
Part #	Length
16-245	50 ft.

FIXED PATIO DOOR CLIP

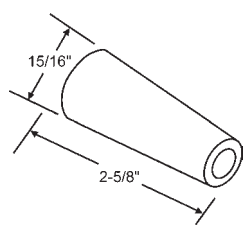


16-621
PGT

PATIO DOOR BUMPER



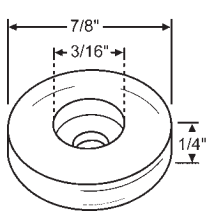
16-594LW
White Nylon Long Type
SILVER LINE



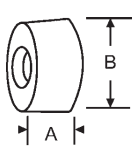
Part #	Finish
16-227B	Black
16-227W	White

Rubber

PATIO DOOR BUMPER

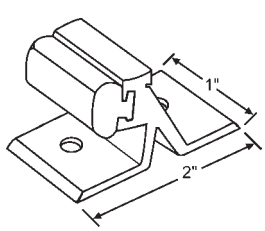


900-19153
Clear Plastic

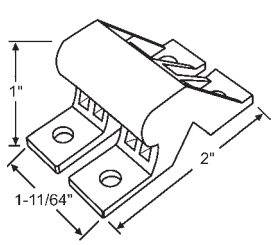


Part #	A	B	Finish
16-105	3/8"	15/16"	Gray
16-107	7/32"	3/4"	White

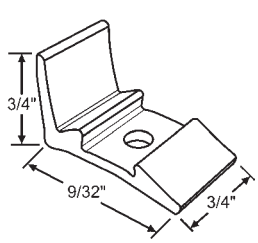
Rubber



16-579
Aluminum
MILLER

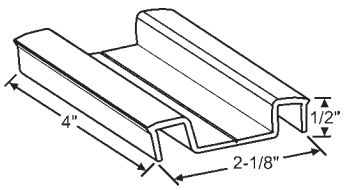


16-620W
White
PGT



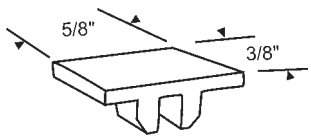
16-372B
Pocket Wedge Bumper. Black Vinyl

ANTI-LIFT



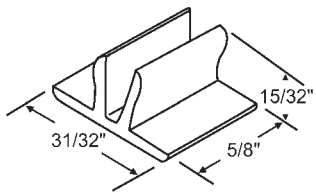
16-715TN
Tan
PGT

ANTI-RATTLE GUIDES

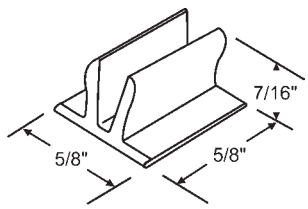


Part #	Finish	Description
15-88	Black	for Steel Doors
15-89	White	for Aluminum Doors

Anti-Rattle Guides

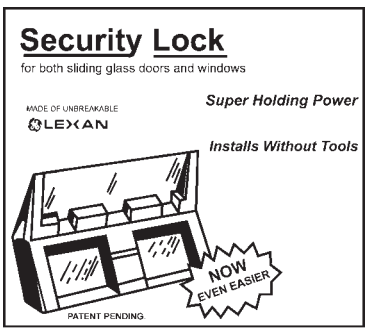


900-7228
Nylon



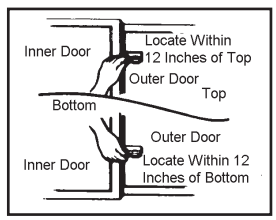
900-7225
Nylon

SECURITY LOCK

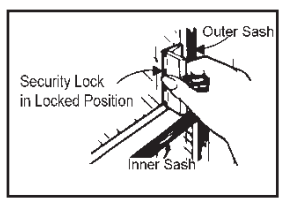


- Installs quickly without special tools.
- 3-M special adhesive bonds to glass like a weld
- Provides positive locking protection.
- Secures both sections firmly.
- Unbreakable GE Lexan.
- Crystal-clear transparency.

16-192
Sold in Pairs

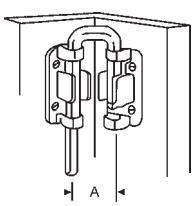


Glass Door Installation:
Position both Security Locks within 12 inches of top and bottom on outer door flush against inner frame.



Sash Window Installation:
Position one Security Lock flush in lower corner of top window.

SECURITY LATCH



NARROW FOR EXTRA TIGHT CORNERS
Where moldings and jams are narrow and mounting space is limited; 3/4" shackle width.

Part #	Finish	"A"
16-185	Nickel	1-1/8"
16-185B	Black	1-1/8"
16-185BR	Brass	1-1/8"
16-185W	White	1-1/8"

STANDARD FOR MOST CORNER APPLICATIONS
Where ample mounting space is provided; 1-1/4" shackle width.

Part #	Finish	"A"
16-186	Nickel	1-7/16"
16-186B	Black	1-7/16"
16-186BR	Brass	1-7/16"
16-186W	White	1-7/16"

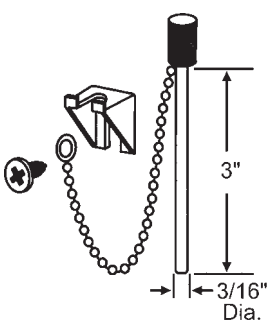
WIDE FOR OFFSET MOUNTING
Where reaches require wider shackle to bridge wide gaps between jams and moldings to wall; 2" shackle width.

Part #	Finish	"A"
16-187	Nickel	2-1/8"
16-187B	Black	2-1/8"
16-187BR	Brass	2-1/8"
16-187W	White	2-1/8"

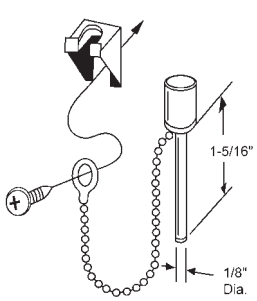
"A" Dimension equals exact center to center measurement

- Simple to install
- Very easy to use
- Attractive finishes
- Prevents accidental locking
- Can be used on windows too
- Assures snug closure of door
- All mounting hardware included
- Reversible (Works left to right or right to left)
- Latch serves as convenient handle for door
- Makes handy latch for all regular swinging doors
- Mounts anywhere along frame for easy accessibility
- Presently being used by the hospitality industry nationwide
- Sturdily constructed (Handle made from 9/32" steel rod stock)

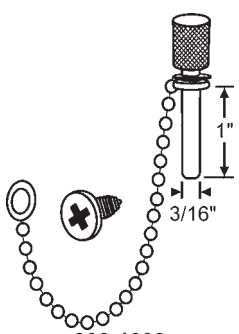
SECURITY HARDWARE & PATIO DOOR LOCKS



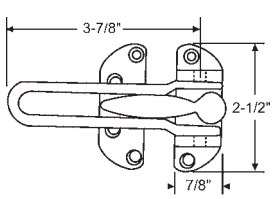
16-104
Burglar Pin/Nite Lock



16-431
Burglar Pin/Nite Lock
Aluminum Finish

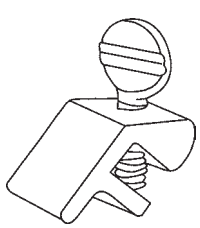


900-1099
Travel Lock



Part #	Finish
16-225C	Chrome
16-225PB	Brass

Door Guard



50-682

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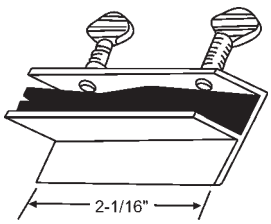
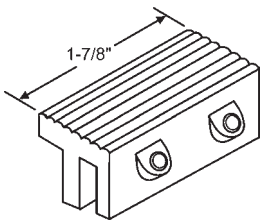
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

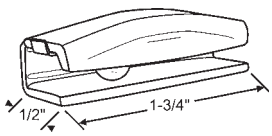
SECURITY HARDWARE & PATIO DOOR LOCKS



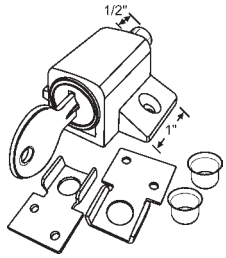
50-636



Part #	Finish
900-17508	Black
900-17508A	Aluminum

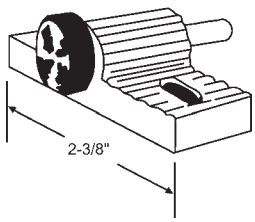


900-10574
Snap-on Vent Lock

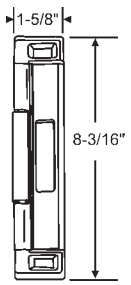


Part #	Finish
900-9718W	White
900-9718	Black

Heavy Duty Die Cast.
1-1/4" Hole Center. Includes
2 Keeper, 2 Ferrules and
Installation Screws



Part #	Finish
16-177	Aluminum
16-177B	Black



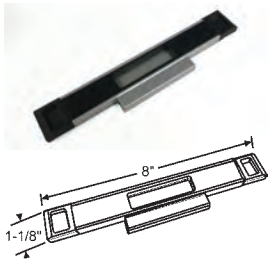
Part #	Finish
16-747	White
16-747B	Black

Double Bolt Security Lock

The CAL Double-Bolt Lock works by securing the door to the frame at 2 security points and preventing any movement of the door. With its double locking action the CAL Double-Bolt Lock makes it virtually impossible to remove the door by lifting it off its track.

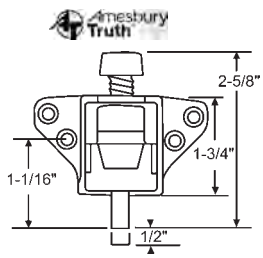
The CAL double bolt lock can be used as a secondary or primary locking system on glass sliding doors. The lock can be mounted above the OEM lock to be out of children's reach or below the OEM lock to be with in children's reach. The lock can also replace the OEM lock with the addition of the OEM Replacement cavity.

CAL SECURITY ENTERPRISES



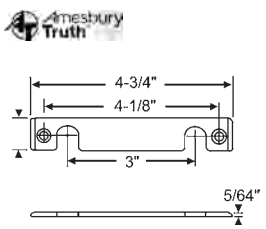
Part Number	Finish
16-753	White
16-753B	Black
16-753SV	Silver

Interlocking Latch
CAL SECURITY ENTERPRISES

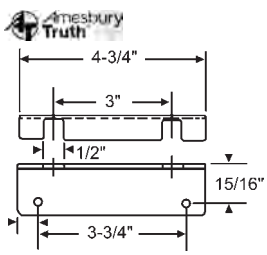


Part #	Finish
16-209-1	Bronze
16-209-3	White

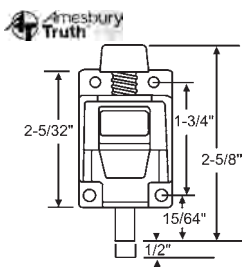
Secondary Patio Lock
Screws Sold Separately



Part #	Finish
12-264-1	Bronze
12-264-3	White

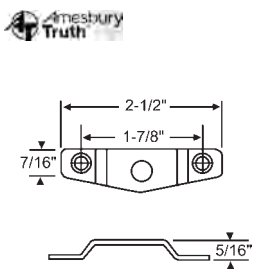


Part #	Finish
12-266-1	Bronze
12-266-3	White
12-266-9	Beige

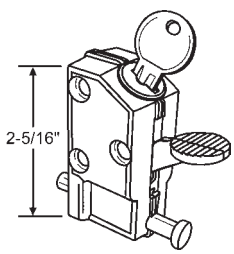


Part #	Finish
16-211-1	Bronze
16-211-3	White

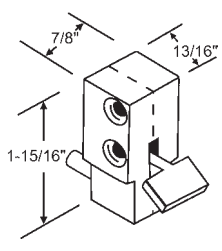
Wingless Patio Lock
Screws Sold Separately



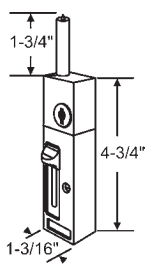
Part #	Finish
12-265-1	Bronze
12-265-3	White



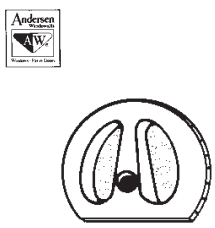
16-682
Mill Finish w/2 Keys
Pin Length 3/4"



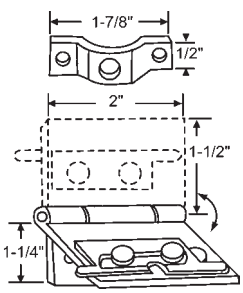
Part #	Finish
900-8734B	Black
900-8734	Aluminum



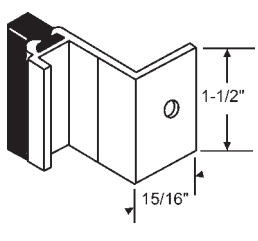
16-687
Security Lock. Aluminum



750-1997192
Two Panel Screen Door Lock
Stone

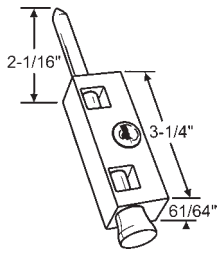


16-406
Aluminum Flip Lock



16-183
Fixed Panel Clip

PATIO DOOR BOLT



Part #	Finish
16-695W	White
16-695B	Black

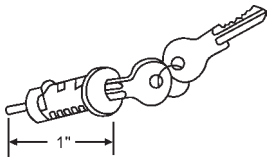
Patio Door Bolts with Key

Part #	Finish
16-696W	White
16-696B	Black

Patio Door Bolts No Key

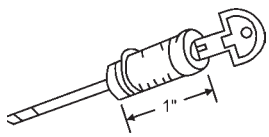
TRACO/EMTEK

KEY CYLINDERS

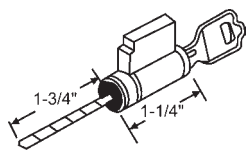


Part #	Description
16-100	for 1" Door
900-21366	for 1-1/4" Door

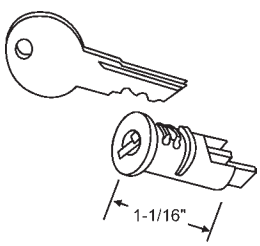
Key Cylinder Lock



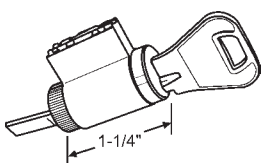
16-126
Key Cylinder



16-133
Key Cylinder Lock

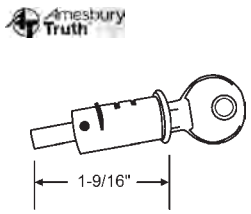


16-103
Key Cylinder for 1-1/8" Door

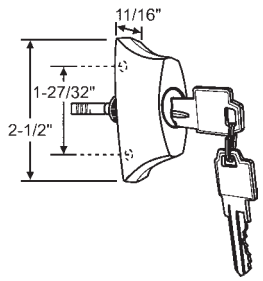


900-11179
Key Cam

PEACHTREE



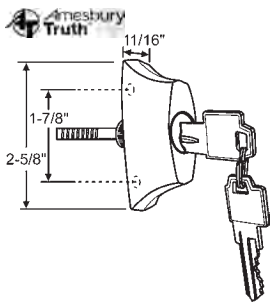
16-324



Part #	Finish
16-617SV	Silver
16-617BZ	Bronze

Lock Housing and Key

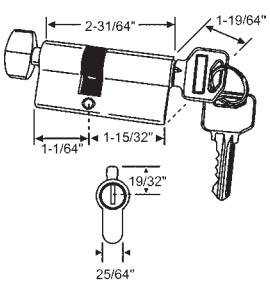
PGT



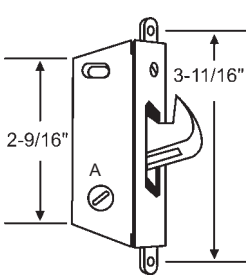
Part #	Finish
16-323	Aluminum
16-323BL	Black
16-323BP	Brass Plated
16-323BR	Brown
16-323W	White

Lock Housing and Key

MORTISE LOCKS

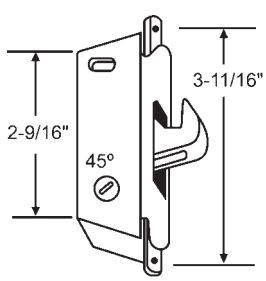


16-499PB
Polished Brass Schlage Keyway



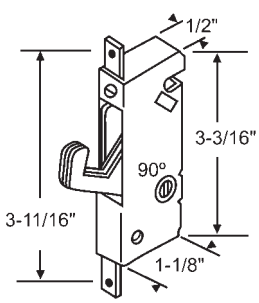
Part #	A
16-170	45°
16-170-90	90°

Square Face

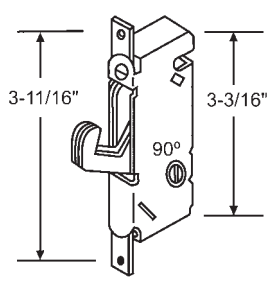


Part #	Description
16-171	Steel
16-171SS	Stainless Steel

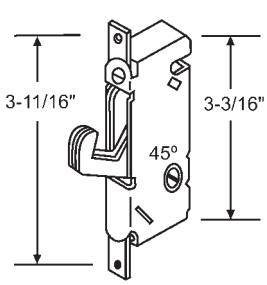
Round Face



16-173
Square Face

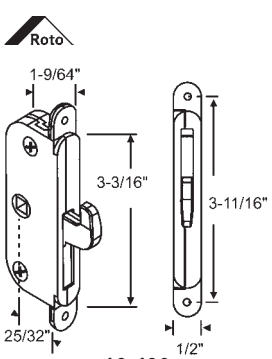


16-174
Round Face

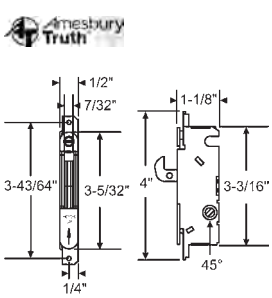


Part #	Description
16-175	Steel
16-175SS	Stainless Steel

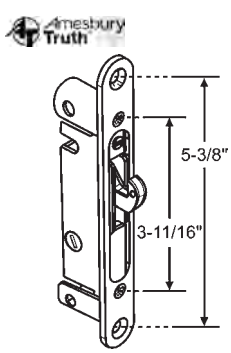
Round Face



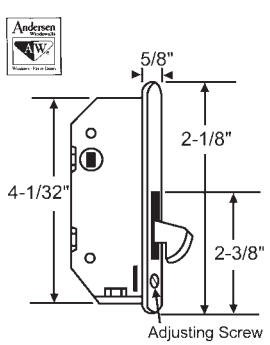
16-490
Single Point Slider Lock



Part #	Description
16-397SS	Stainless Steel
16-397	Clear Chromate



16-404A
Bracket Trim Plate and Lock. 45°



750-1997156

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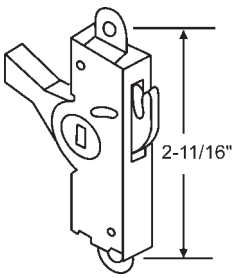
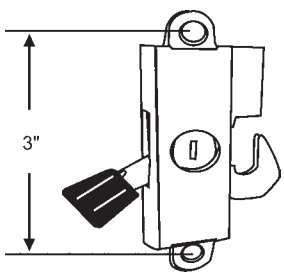
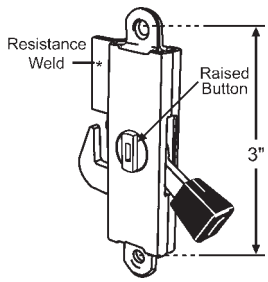
MORTISE LOCKS



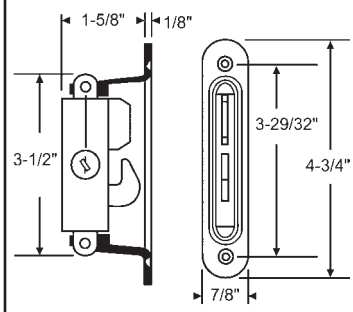
16-142
Used for Surface Mounted Patio Door Handle



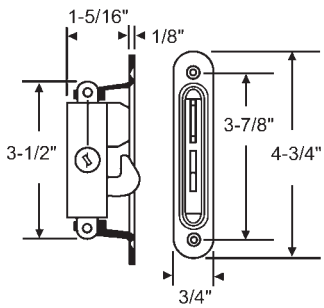
900-7305
Flush Button. Front Surface Mounted Steel Hook
PEACHTREE



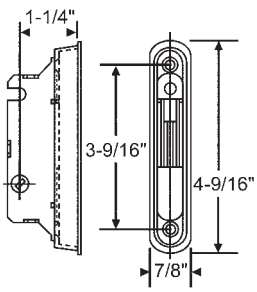
16-673
Raised Button. Front Surface Mounted Steel Hook
PEACHTREE



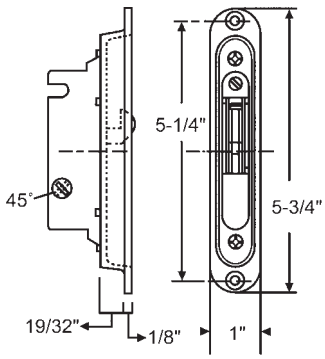
900-18867
Diagonal Hub. Aluminum Finish
Use: 900-14560 for Keeper
TRACO



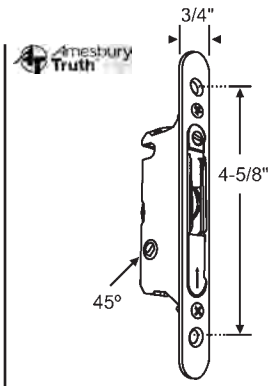
900-9169A
Includes Keeper
PENNCO



16-443
Mortise Lock and Plate

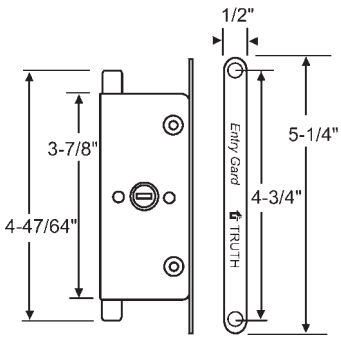


16-441-45
Pocket Trim Plate with 16-175. Brass Plated

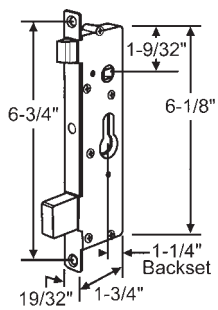


Part #	Finish
16-363-45	Brass Plated
16-363-45SS	Stainless Steel

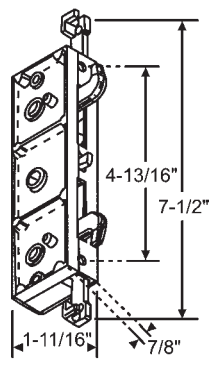
With Faceplate and 16-175



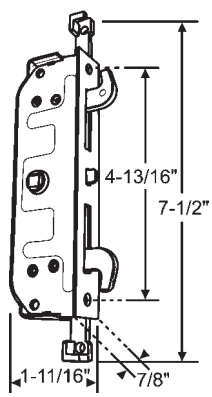
16-685
Multi Point



16-395
Heavy Duty Die Cast
Non- Handed, Reversible For Left or Right Hand Application

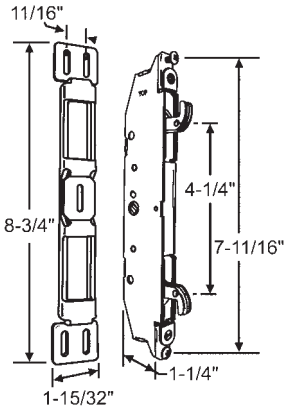


16-542
No Longer Available.
Use 16-542NS

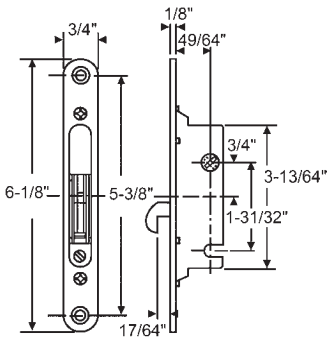


16-542NS
Two Point Mortise Lock
Milgard Classic Series

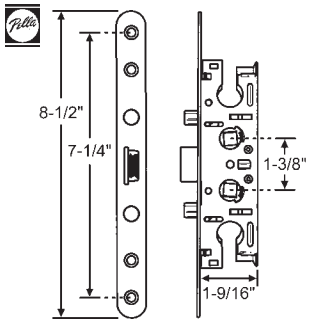
MORTISE LOCKS



16-544W
Two Point Mortise Lock & Strike. White
VANGUARD

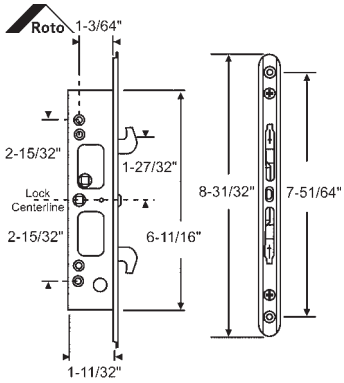


16-333
PEACHTREE



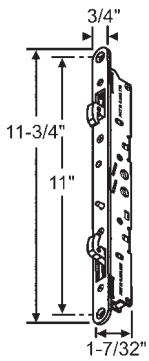
Part #	Finish
19-504B	Black
19-504G	Green
19-504PY	Putty
19-504TN	Tan
19-504W	White

Storm Door Mortise Lock



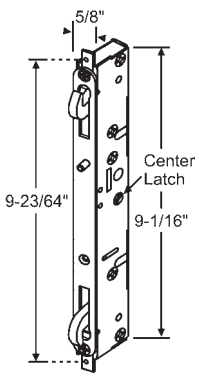
Part #	Finish
16-460	Steel Hooks
16-460SS	Stainless Steel Hooks

Two Point Patio Door Lock



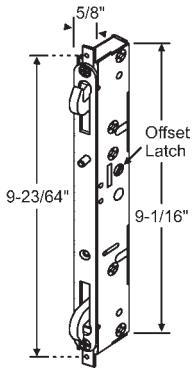
Part #	Finish
16-452	Steel
16-452SS	Stainless Steel

Two Point Lock with Faceplate
GEMINI/ PGT



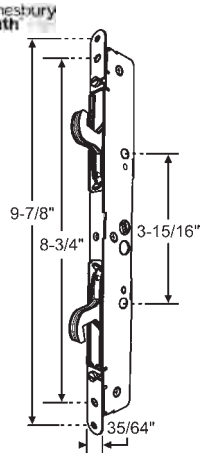
Part #	Finish
16-453	Steel
16-453SS	Stainless Steel

Two Point Mortise Lock w/ Short Face Plate. Center Latch Thumbturn



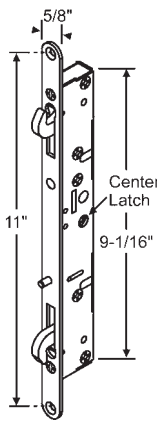
Part #	Finish
16-455	Steel
16-455SS	Stainless Steel

Offset Latch Thumbturn



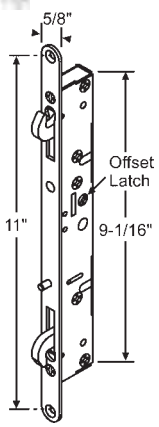
Part #	Finish
16-574	Steel
16-574SS	Stainless Steel

Dual Hook Mortise Lock



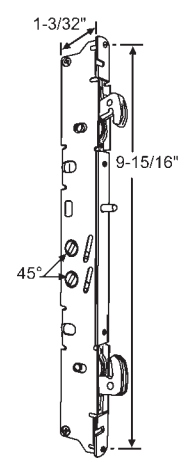
Part #	Finish
16-454	Steel
16-454SS	Stainless Steel

Center Latch Thumbturn



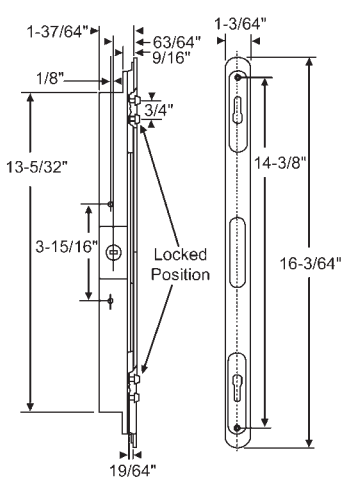
Part #	Finish
16-456	Steel
16-456SS	Stainless Steel

Offset Latch Thumbturn



Part #	Finish
16-680	Steel
16-680SS	Stainless Steel

No Trimplate
GEMINI I & II



16-440W
With Trimplate

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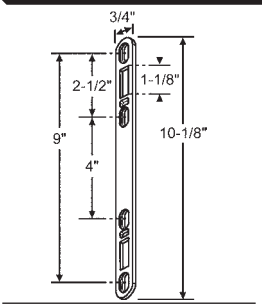
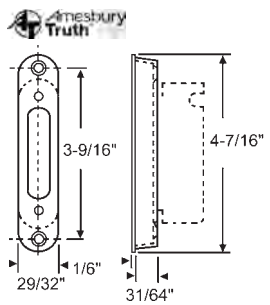
KEEPERS

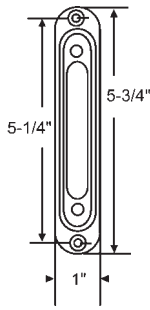


Part #	Finish
16-680FK	Steel
16-680FKSS	Stainless Steel

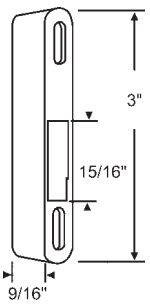
Flat Keeper
GEMINI I & II



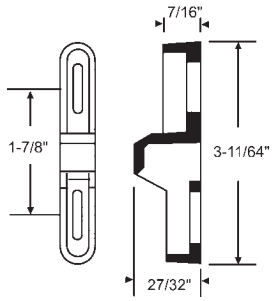
16-444
Trimplate



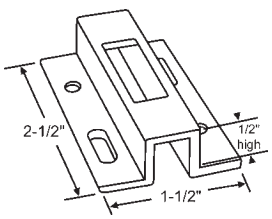
900-17354P
Pocket Trimplate. Zinc Dichromate



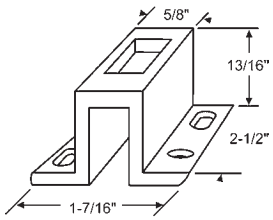
900-8856
Die Cast Keeper for 900-9169



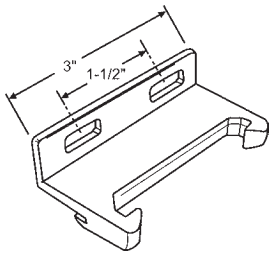
900-14560
TRACO



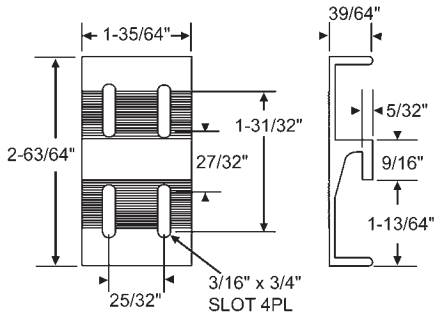
12-299W
White



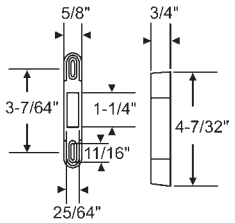
Part #	Finish
12-290W	White
12-290AD	Almond



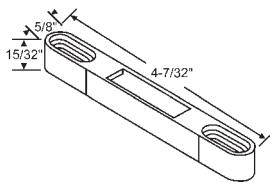
900-69
Die Cast
YALE OGRON



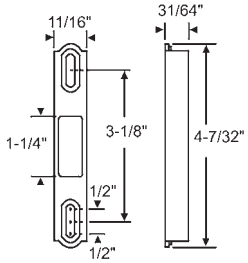
12-286W
White, Four Slot



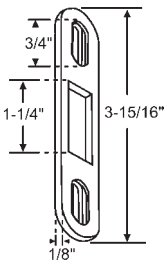
12-294
Yellow Chromate Plated



900-17355
Die Cast
PEACHTREE

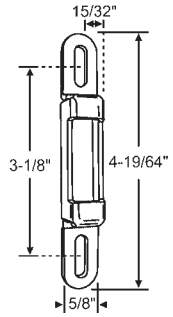


12-271



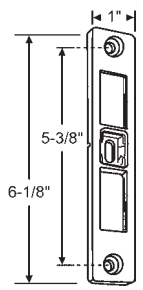
Part #	Finish
12-272	Steel
12-272SS	Stainless Steel

Flat. For 13-247 & 13-248 Patio Door Handles



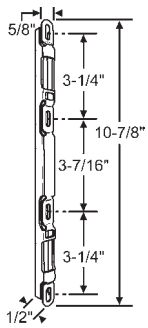
Part #	Finish
12-319	Dichromate
12-319SS	Stainless

13/64" x 11/16" Elongated Holes

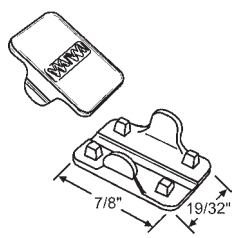


Part #	Finish
12-329STW	Satin White
12-329TN	Tan

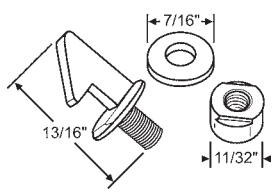
Strike Plate. Used with 16-542
MILGARD



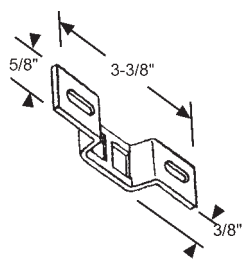
900-22553SS
Surface Keeper. Stainless Steel



12-330
Strike Plate Screen Cover. Plated. Used with 16-542
MILGARD

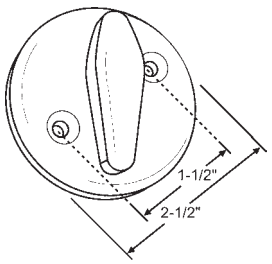


900-61
w/ Nut & Nylon Washer Patio Door Keeper
DARYL



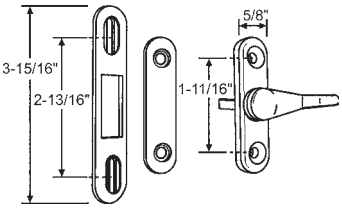
900-10458K
ACORN

LATCHES



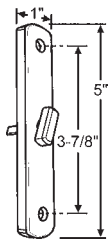
Part #	Finish
16-619BR	Bronze
16-619W	White

Door Turn for French Doors.
PGT

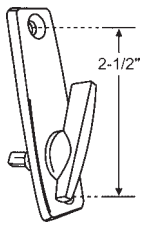


Part #	Finish
16-702B	Black
16-702BZ	Bronze
16-702SV	Silver
16-702W	White

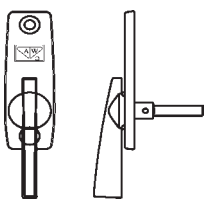
Thumbturn Kit
PGT



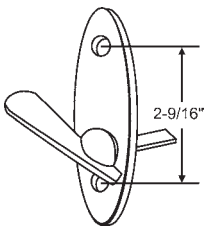
16-623BZ
Secondary Thumb Latch. Bronze
PGT



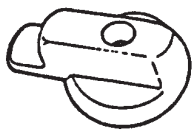
750-1278303
Stone



No Longer Available.
Use: 750-2573611

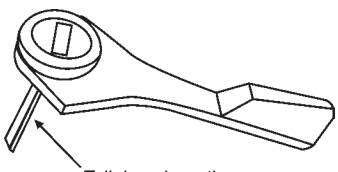


Part #	Finish
750-2573611	Stone
750-2573609	White



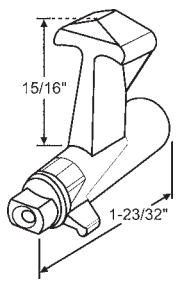
Part #	Finish
750-0924602	Stone
750-2579551	White

750-1997305
Stone



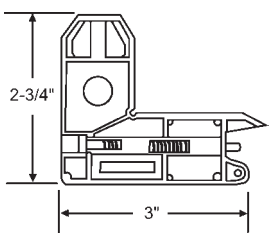
Part #	Finish	Tailpiece Length
900-11040	Black	.810
900-11040W	White	.810
900-11040-8	Chestnut Bronze	.810
900-11040SV	Silver	.810
900-11040A	Black	.530
900-11040WA	White	.530
900-11040B	Black	.660
900-11040WB	White	.660
900-11040C	Black	.960
900-11040WC	White	.960
900-11040D	Black	1.02
900-11040WD	White	1.02

Turn Lever with Tailpiece

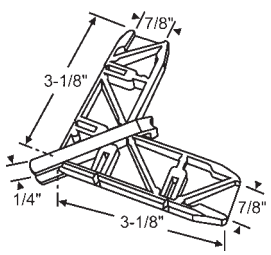


16-373
Patio Door Latch. Die Cast
ACORN

CORNER BRACKETS



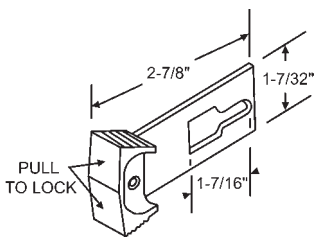
16-116-2
Screen Corner Bracket Assembly with Screw. 2 per Pack



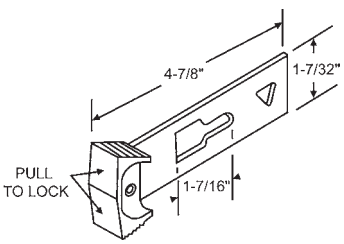
Part #	Finish
16-361PW	White
16-361PBZ	Bronze

Nylon Miter Corner
Use on Door 991M-999

LOCK BARS



16-188
Lock Bar Without Key
CAPITOL



16-230
4-7/8" Lock Bar
CAPITOL

AZA SALES
TOLL FREE: 1-888-926-9200
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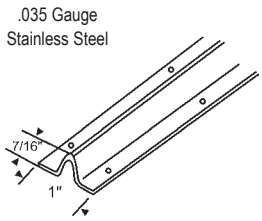
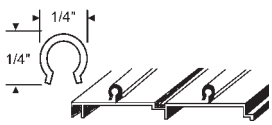
REPAIR TRACKS



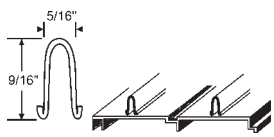
16-251

Replacement Track Cover. 8' Lengths. Sold in multiples of 5 only. Heavy duty. Recommended for tracks that are too corroded to use 16-115. Repairman's "first choice" in door replacement track.



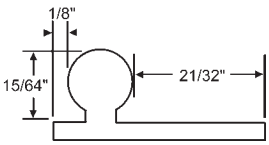
Part #	Length	Minimum Order
16-115	8ft.	(10 8ft. Lengths)
16-115-6	6ft.	(10 6ft. Lengths)
16-115-12*	12ft.	Any Quantity

Replace bent or broken door tracks with stainless steel replacement tracks. Easy to use. Snaps into place over old broken track. *Only Available for Pickup & Company Truck Delivery in our Florida Warehouse.



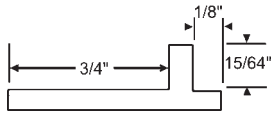
Part #	Length	Minimum Order
16-115BS	8ft.	(5 8ft. Lengths)

Replace bent or broken door tracks with stainless steel replacement tracks. Easy to use. Snaps into place over old broken track.



Part #	Length	Finish
16-217-6	6ft.	Anodized
16-217-8	8ft.	Anodized

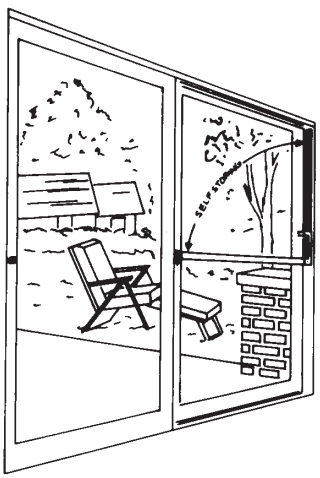
Glass Door Track Extrusions 1/16" Thick x 15/16" Wide



Part #	Length	Finish
16-219-6	6ft.	Anodized
16-219-8	8ft.	Anodized

Screen Door Track Extrusions 1/16" Thick x 15/16" Wide.

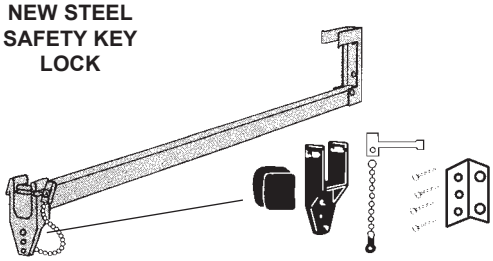
CHARLEY-BAR SLIDING GLASS DOOR LOCK



Charley-BAR
Safety Lock

STOP BURGLARS

NEW STEEL SAFETY KEY LOCK



16-108H

Charley Bar Hardware Pack includes plastic saddle, rubber cap, four #8 1/2" sheet metal screws and metal angle bracket

- **Key hangs neatly out of your way when not in use**
- **Comes with all necessary hardware and instructions**
- **Available in three finishes**
- **Anodized Aluminum construction allows it to be cut to fit any size door**
- **New security feature: Improved black plastic saddle now takes a key so that the bar cannot be raised from the outside by wires or other devices**
- **New saddle keeps small children from opening the door from the inside**

Mailing TUBE - 50 per carton sold in carton qty only

Part #	Size	Finish
16-108T	48"	Mill
16-108TB	48"	Bronze
16-108TW	48"	White

Carded - 10 per carton sold in carton qty only

Part #	Size	Finish
16-108C	48"	Mill
16-108CB	48"	Bronze
16-108CW	48"	White

Poly Bagged - 50 per Box

Part #	Size	Finish
16-108P	48"	Mill

BULK - 25 per carton

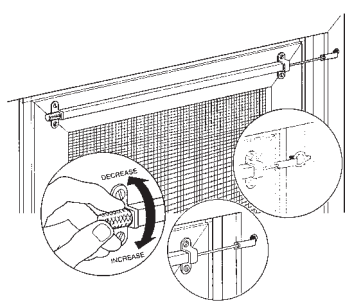
Part #	Size	Finish
16-108	48"	Mill
16-108B	48"	Bronze
16-108W	48"	White
16-108-60	60"	Mill

CHARLEY BAR SPINNING DISPLAY RACK

500-334

This **NEW** Charley Bar Safety Lock Display, part number #500-334, contains 30 assorted Charley Bar Safety Locks in Mill, White and Bronze finishes on a spinning floor rack display with a merchandising sign. The display comes complete with peg hooks and there is minor assembly required. The display can be placed in a hardware aisle, near registers, and/or in the patio door aisle for cross selling. They can be cut to fit any patio door 48" or less. The retail package includes easy installation instructions on the back.

AUTOMATIC SCREEN DOOR CLOSER



16-303

Screen Door Closer with Screws. Black. Fits Patio Screen Doors 36" and Larger. Simple Installation Takes Only Minutes. Block And Tackle Design Provides Smooth Operation.

We are the largest National Stocking Distributor for HOPPE® North America. We have over 500 SKU's available for immediate shipment. HOPPE® North America is one of the leading manufacturers of door hardware.

These pages are designed to give you a sampling of the various products and finishes HOPPE® has to offer. HOPPE's® Single Design Theme is unique to the door industry and has changed and upgraded the look of American households across the country.

We are dedicated to assisting and servicing you on acquiring the quality products from HOPPE® North America.

Do you want the hardware on your entry door, interior doors, patio door and windows to match? Who wouldn't? HOPPE® North America, Inc. carries the full range of products so you can continue the single design theme throughout your entire home, for all your residential doors and windows.

The HOPPE® North America, Inc. hardware program also includes a wide range of products such as multipoint locks and handle sets with cylinders, plus adjustable hinges for doors and turn & tilt hardware for windows. Why hasn't anyone thought of this before? Bet you are glad we did.

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PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

Styles and Finishes

Contact your Account Manager for part numbers and prices.

Athinai Series in Polished Chrome with Brushed Stainless Steel

Reminiscent of a strong heritage, the classic sleek curves of the Athinai Series will accent the dřcor of any room.

München Series in Polished Chrome

Curves and flair distinguish the Mżnchen Series handles. Reminiscent of hearty European design, your traditional handles will stand the test of time throughout your home.

Verona Series in Polished Brass

Soft, sleek lines add to the contemporary design of your home. Available in interior and entry functions, Verona Series handles will compliment every room in your home.

Rúdos Series in Satin Nickel

Majestic and regal, Rúdos Series handles represent the ultimate in decorative, European styling and decoration throughout your home.

New Orleans Series in Matte Black

Time honored traditional design will complement the style of your home. With slim, lustrous form, New Orleans series handles are the right fit for every member of the family.

Toronto Series in Antique Brass

With a touch of provincial and a touch of cosmopolitan, Toronto Series handles complement a wide range of interior designs.

Rúdos Series shown with Antique Nickel Finish

New Orleans Series with Brushed Chrome Finish

Toronto Series shown with Oil Rubbed Brass Finish

Polished Brass (F77-R)

White (F9010)

Brushed Chrome (F41-R)

Antique Nickel (F44-R)

Polished Chrome (F49-R)

Brown (F05)

Alpine Frost

Antique Brass (F73)

Matte Black (F9714)

Oil Rubbed Brass (F79)

Nickel (F01)

Satin Nickel (F42-R)

Rustic Umber (F8709)

Finishes

Polished Brass

Antique Brass

White

Matte Black

Polished Chrome

Brushed Chrome

Oil-Rubbed Brass

Satin Nickel

Antique Nickel

Rustic Umber

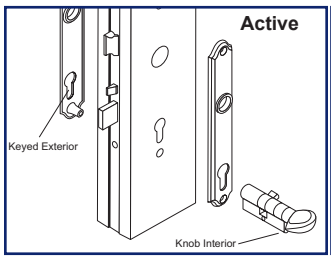
Silver

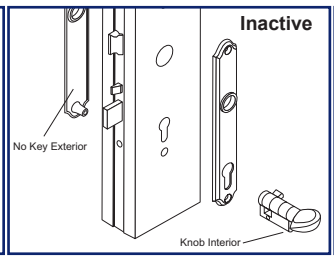
Dark Bronze

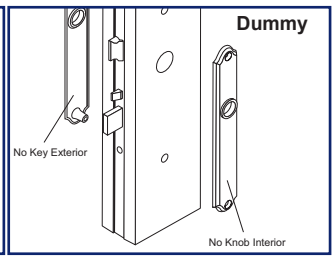
Pure White

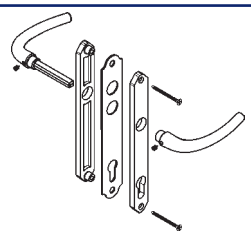
Stainless Steel

Back Plates, Handles, Cylinders, etc. are available separately.
All HOPPE® Swing Door Handles are available in Active, Inactive and Dummy sets.
Multipoint/Single Point Locking Systems sold separately. Contact your Account Manager for pricing.





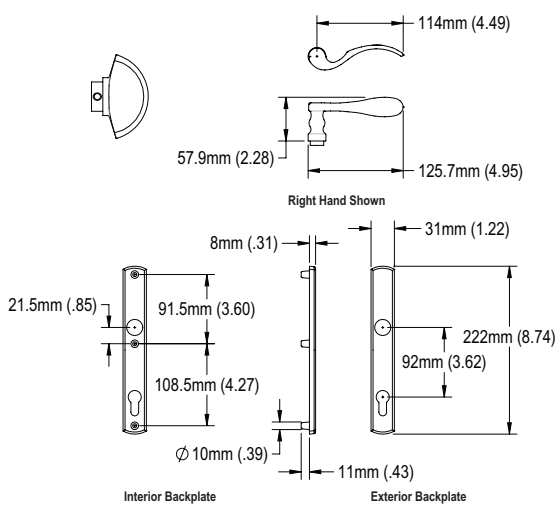




Part #	Description
850-2604801	Handle Set No Key
850-2605353	Handle Set with Construction Key

Temporary Construction Handle Set.
Black Plastic Body with Metal Die Cast Handle

München Series M112PL/216N



Type	Material	Brass Resista®	Antique Brass	Brushed Chrome Resista®	Oil Rubbed Brass	Matte Black	Satin Nickel	Rustic Umber
Active Door Set - 90° Cylinder	Solid Brass	850-2131135	850-2131143	850-2131160	850-2131581	850-2131178	850-2106263	850-2205739
Active Door Set - Cylinder Not Included	Solid Brass	850-2106474	850-8762947	850-8765471	850-8765603	850-8771091	850-2105113	850-2205704
Inactive Door Set - 90° Thumb Turn Insert	Solid Brass	850-2131590	850-2131602	850-2131629	850-2131670	850-2131637	850-2106301	850-2205747
Inactive Door Set - Thumb Turn Insert Not Included	Solid Brass	850-2106491	850-8765347	850-8765475	850-8765607	850-8771095	850-2105156	850-2205721
Pair Fixed Dummy	Solid Brass	850-2119187	850-8787963	850-8787975	850-8788031	850-8788019	850-2087891	850-2199519

All handle sets are for 1-3/4" thick doors.
Fixed dummy sets do not operate.

TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
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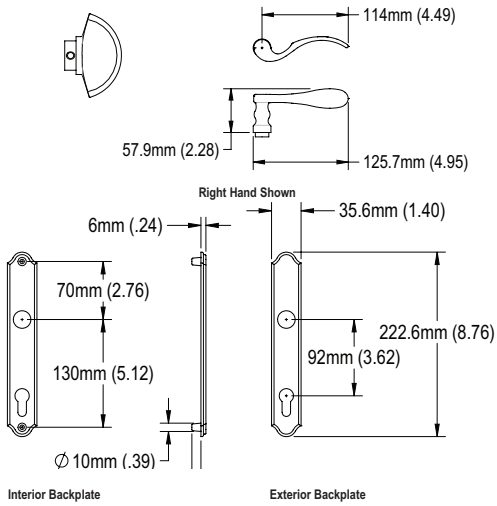
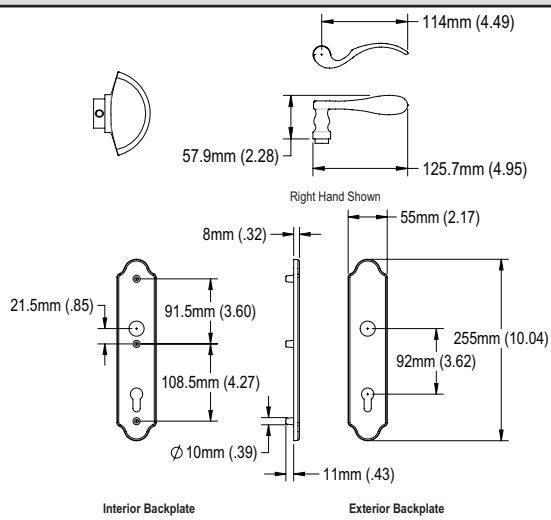
München Series M112PL/374N



Type	Material	Brass Resista®	Antique Brass	Brushed Chrome Resista®	Polished Chrome Resista®	Oil Rubbed Brass	Pure White	Matte Black	Satin Nickel	Rustic Umber	Dark Bronze Metallic
Active Door Set - 90° Cylinder	Solid Brass	850-2116331	850-8763123	850-8763167	850-8763135	850-8773267	850-8763187	850-8773711	850-2094813	850-2214651	850-3366366
Active Door Set - Cylinder Not Included	Solid Brass	850-2106765	850-8764955	850-8764979	850-8765007	850-8765035	850-8765059	850-8771139	850-2105666	850-2214571	850-3880648
Inactive Door Set - 90° Thumb Turn Insert	Solid Brass	850-2133579	850-8763127	850-8766019	850-8763147	850-8766015	850-8763191	850-8773715	850-2106280	850-2214660	850-3366374
Inactive Door Set - Thumb Turn Insert Not Included	Solid Brass	850-2106781	850-8764963	850-8764983	850-8765001	850-8765039	850-8765063	850-8771143	850-2105703	850-2214598	850-3880656
Pair Fixed Dummy	Solid Brass	850-2076682	850-8788051	850-8788059	850-8788067	850-8788091	850-8788075	850-8788083	850-2088149	850-2214601	850-3366382

All handle sets are for 1-3/4" thick doors. Fixed dummy sets do not operate.

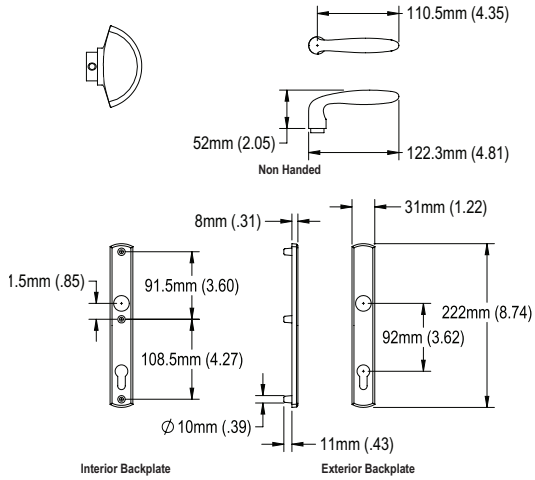
München Series M112PL/3965N



Type	Material	Brass Resista®	Antique Brass	Brushed Chrome Resista®	Matte Black	Satin Nickel	Rustic Umber
Active Door Set - 90° Cylinder	Solid Brass	850-2422063	850-2421976	850-2421992	850-2422039	850-2422047	850-2422071
Active Door Set - Cylinder Not Included	Solid Brass	850-2422194	850-2422098	850-2422119	850-2422160	850-2422178	850-2422207
Inactive Door Set - 90° Thumb Turn Insert	Solid Brass	850-2422338	850-2422215	850-2422223	850-2422282	850-2422303	850-2422354
Inactive Door Set - Thumb Turn Insert Not Included	Solid Brass	850-2422477	850-2422371	850-2422389	850-2422426	850-2422434	850-2422485
Pair Fixed Dummy	Solid Brass	850-2422725	850-2422645	850-2422653	850-2422696	850-2422709	850-2422733

All handle sets are for 1-3/4" thick doors. Fixed dummy sets do not operate.

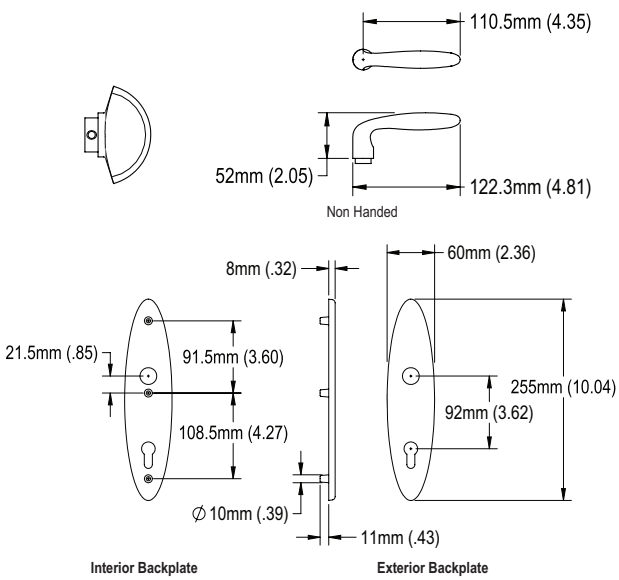
Verona Series M151/216N



Type	Material	Brass Resista®	Antique Brass	Brushed Chrome Resista®	Polished Chrome Resista®	Oil Rubbed Brass	Pure White	Matte Black	Satin Nickel	Rustic Umber	Dark Bronze Metallic
Active Door Set - 90° Cylinder	Solid Brass	850-2131021	850-2131039	850-2131055	850-2131047	850-2131080	850-2131071	850-2131063	850-2094805	850-2207558	850-3873376
Active Door Set - Cylinder Not Included	Solid Brass	850-2093482	850-8773331	850-8773339	850-8773335	850-8773351	850-8773347	850-8773343	850-2087074	850-2207531	850-3880701
Inactive Door Set - 90° Thumb Turn Insert	Solid Brass	850-2131098	850-2131101	850-2039726	850-2131119	850-2203477	850-2131127	850-2039742	850-2095752	850-2207566	850-3873384
Inactive Door Set - Thumb Turn Insert Not Included	Solid Brass	850-2093503	850-8773359	850-8773367	850-873363	850-8773379	850-8773375	850-8773371	850-2087111	850-2209254	850-3880710
Pair Fixed Dummy	Solid Brass	850-2093511	850-8787971	850-8787983	850-8787999	850-8788039	850-8788015	850-8788027	850-2087138	850-2153211	850-3845720

All handle sets are for 1-3/4" thick doors. Fixed dummy sets do not operate.

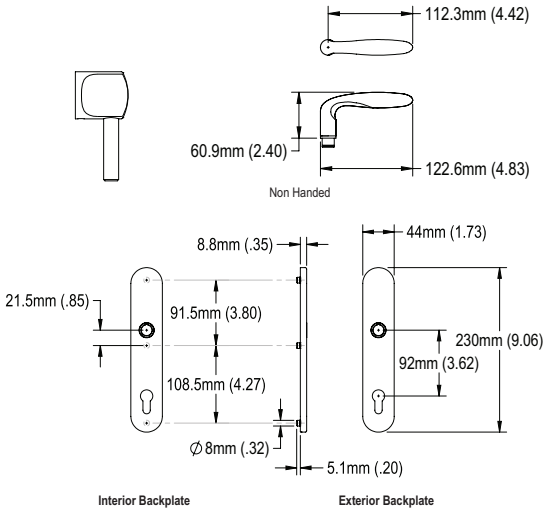
Verona Series M151/3955N



Type	Material	Brushed Chrome Resista®	Rustic Umber
Active Door Set - 90° Cylinder	Solid Brass	850-2414418	850-2414493
Active Door Set - Cylinder Not Included	Solid Brass	850-2414514	850-2414590
Inactive Door Set - 90° Thumb Turn Insert	Solid Brass	850-2414611	850-2414696
Inactive Door Set - Thumb Turn Insert Not Included	Solid Brass	850-2414717	850-2414792
Pair Fixed Dummy	Solid Brass	850-2414813	850-2414899

All handle sets are for 1-3/4" thick doors. Fixed dummy sets do not operate.

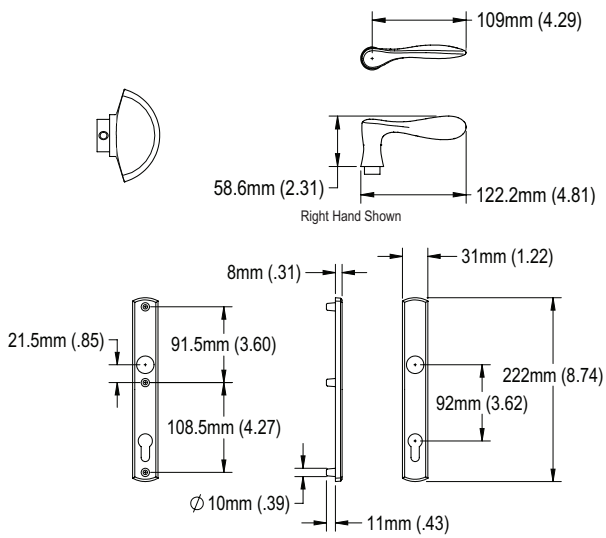
Verona Series E1800/353



Type	Material	Brushed Stainless Steel
Active Door Set - 90° Cylinder	Solid Brass	**850-3953835**
Active Door Set - Cylinder Not Included	Solid Brass	**850-8773459**
Inactive Door Set - 90° Thumb Turn Insert	Solid Brass	**850-3954301**
Inactive Door Set - Thumb Turn Insert Not Included	Solid Brass	**850-8773455**

All handle sets are for 1-3/4" thick doors.

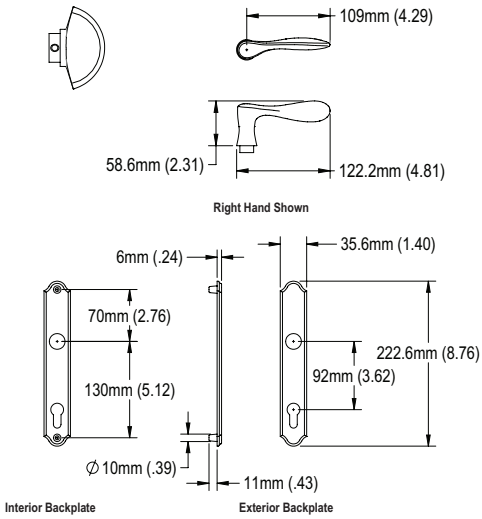
New Orleans Series M1610/216N



Type	Material	Brushed Chrome Resista®	Oil Rubbed Brass	Matte Black	Satin Nickel	Rustic Umber
Active Door Set - 90° Cylinder	Solid Brass	**850-2131952**	**850-2132007**	**850-2131987**	**850-2131961**	**850-2207507**
Active Door Set - Cylinder Not Included	Solid Brass	**850-2110748**	**850-2110781**	**850-2110801**	**850-2110756**	**850-2207478**
Inactive Door Set - 90° Thumb Turn Insert	Solid Brass	**850-2132373**	**850-2132429**	**850-2132402**	**850-2132381**	**850-2207515**
Inactive Door Set - Thumb Turn Insert Not Included	Solid Brass	**850-2111345**	**850-2111388**	**850-2111409**	**850-2111353**	**850-2207494**
Pair Fixed Dummy	Solid Brass	**850-2098742**	**850-2109122**	**850-2098793**	**850-2098751**	**850-2201885**

All handle sets are for 1-3/4" thick doors. Fixed dummy sets do not operate.

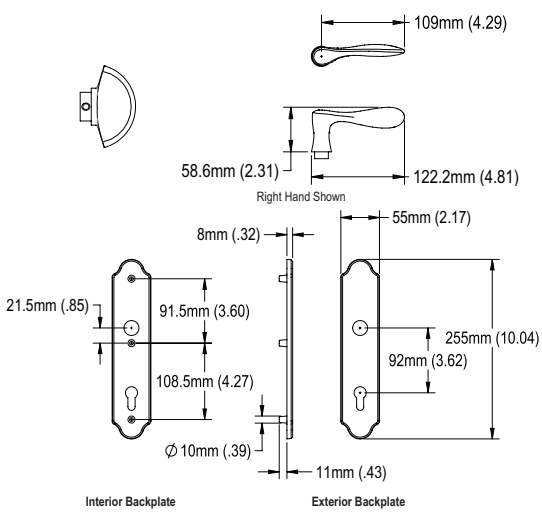
New Orleans Series M1610/374N



Type	Material	Brass Resista®	Brushed Chrome Resista®	Matte Black	Satin Nickel	Rustic Umber
Active Door Set - 90° Cylinder	Solid Brass	**850-2338232**	**850-2338267**	**850-2338275**	**850-2338304**	**850-2217342**
Active Door Set - Cylinder Not Included	Solid Brass	**850-2112461**	**850-2112487**	**850-2112874**	**850-2112495**	**850-2217262**
Inactive Door Set - 90° Thumb Turn Insert	Solid Brass	**850-2338321**	**850-2338355**	**850-2338363**	**850-2338793**	**850-2217351**
Inactive Door Set - Thumb Turn Insert Not Included	Solid Brass	**850-2113068**	**850-2113092**	**850-2113156**	**850-2113105**	**850-2217289**
Pair Fixed Dummy	Solid Brass	**850-2113869**	**850-2103661**	**850-2103716**	**850-2103679**	**850-2217297**

All handle sets are for 1-3/4" thick doors. Fixed dummy sets do not operate.

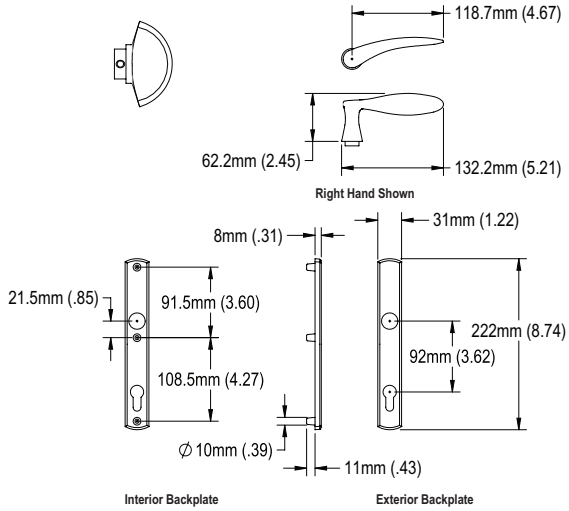
New Orleans Series M1610/3965N



Type	Material	Oil Rubbed Brass	Matte Black	Satin Nickel	Rustic Umber
Active Door Set - 90° Cylinder	Solid Brass	**850-2431736**	**850-2431752**	**850-2431779**	**850-2431795**
Active Door Set - Cylinder Not Included	Solid Brass	**850-2431832**	**850-2431859**	**850-2431875**	**850-2431891**
Inactive Door Set - 90° Thumb Turn Insert	Solid Brass	**850-2431939**	**850-2431955**	**850-2431971**	**850-2432000**
Inactive Door Set - Thumb Turn Insert Not Included	Solid Brass	**850-2432042**	**850-2432069**	**850-2432085**	**850-2432106**
Pair Fixed Dummy	Solid Brass	**850-2432149**	**850-2432165**	**850-2432181**	**850-2432202**

All handle sets are for 1-3/4" thick doors. Fixed dummy sets do not operate.

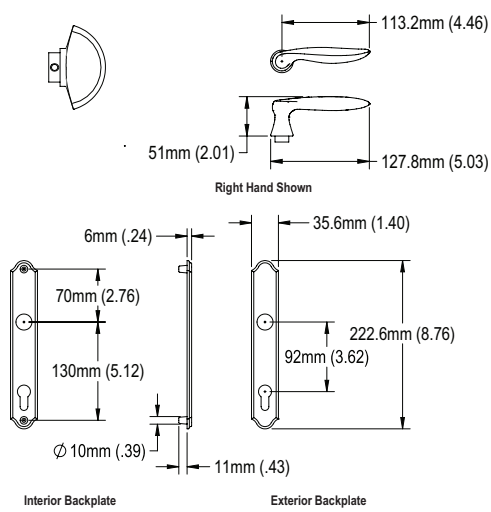
Ròdos Series M1603/216N



Type	Material	Antique Brass	Brushed Chrome Resista®	Oil Rubbed Brass	Pure White	Matte Black	Satin Nickel	Rustic Umber
Active Door Set - 90° Cylinder	Solid Brass	850-2131725	850-2111118	850-2131813	850-2131792	850-2111126	850-2131750	850-2207443
Active Door Set - Cylinder Not Included	Solid Brass	850-2115750	850-2115768	850-2116015	850-2115805	850-2115813	850-2115776	850-2207419
Inactive Door Set - 90° Thumb Turn Insert	Solid Brass	850-2131848	850-2111185	850-2131910	850-2131901	850-2111193	850-2131872	850-2207451
Inactive Door Set - Thumb Turn Insert Not Included	Solid Brass	850-2116251	850-2116269	850-2116306	850-2116314	850-2116322	850-2116277	850-2207435
Pair Fixed Dummy	Solid Brass	850-2117181	850-2117190	850-2117237	850-2117245	850-2117253	850-2117202	850-2201834

All handle sets are for 1-3/4" thick doors. Fixed dummy sets do not operate.

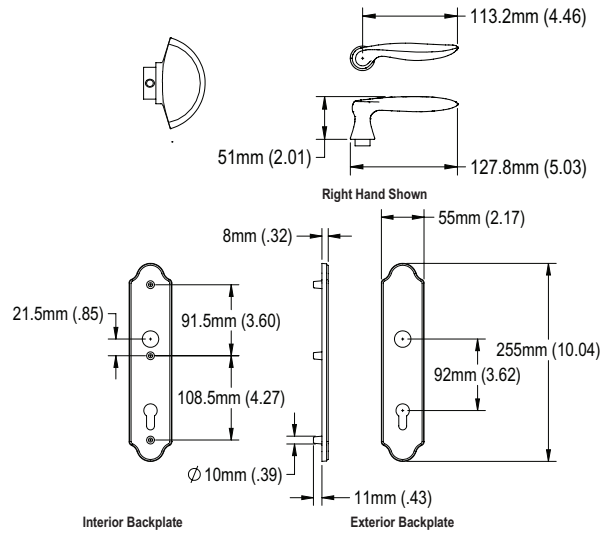
Toronto Series M1020/374N



Type	Material	Brass Resista®	Brushed Chrome Resista®	Oil Rubbed Brass	Matte Black	Satin Nickel	Antique Nickel	Rustic Umber	Dark Bronze Metallic
Active Door Set - 90° Cylinder	Solid Brass	850-2133641	850-2134192	850-2134301	850-2134328	850-2134205	850-2134213	850-2214504	850-3873341
Active Door Set - Cylinder Not Included	Solid Brass	850-8789339	850-8788447	850-8788463	850-8788479	850-2074290	850-2074556	850-2214416	850-3880664
Inactive Door Set - 90° Thumb Turn Insert	Solid Brass	850-2134336	850-2134352	850-2134395	850-2134416	850-2134361	850-2134379	850-2214555	850-3873350
Inactive Door Set - Thumb Turn Insert Not Included	Solid Brass	850-8789347	850-8788495	850-8788511	850-8788527	850-2074329	850-2074732	850-2214432	850-3880672
Pair Fixed Dummy	Solid Brass	850-2081545	850-2081561	850-2088739	850-2081617	850-2081570	850-2081588	850-2214441	850-3722113

All handle sets are for 1-3/4" thick doors. Fixed dummy sets do not operate.

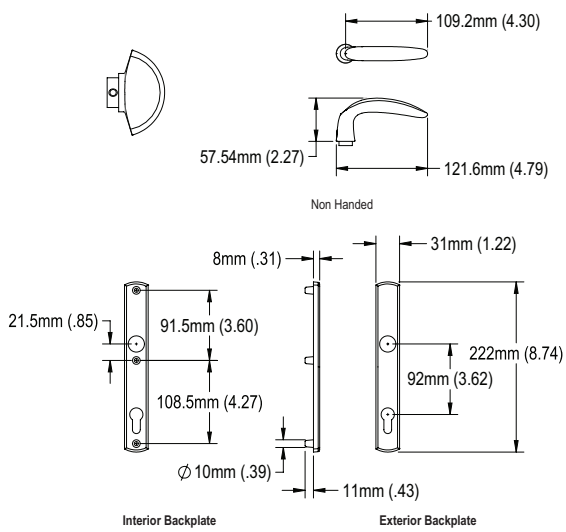
Toronto Series M1020/3965N



Type	Material	Brushed Chrome Resista®	Rustic Umber
Active Door Set - 90° Cylinder	Solid Brass	**850-2427235**	**850-2427340**
Active Door Set - Cylinder Not Included	Solid Brass	**850-2427382**	**850-2427489**
Inactive Door Set - 90° Thumb Turn Insert	Solid Brass	**850-2427500**	**850-2427585**
Inactive Door Set - Thumb Turn Insert Not Included	Solid Brass	**850-2427614**	**850-2427729**
Pair Fixed Dummy	Solid Brass	**850-2427745**	**850-2427825**

All handle sets are for 1-3/4" thick doors. Fixed dummy sets do not operate.

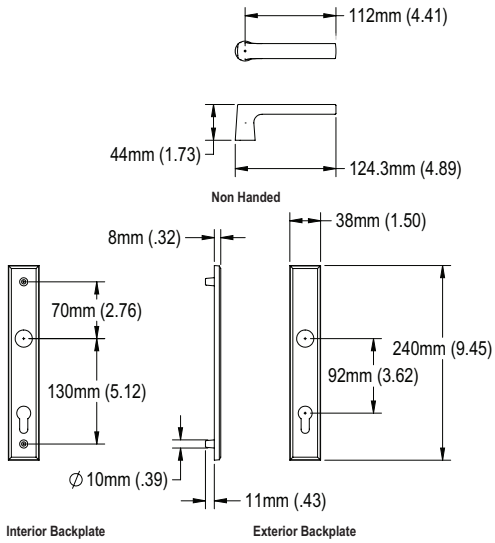
Atlanta Series M1530/216N



Type	Material	Brass Resista®	Brushed Chrome Resista®	Matte Black	Satin Nickel	Dark Bronze Metallic
Active Door Set - 90° Cylinder	Solid Brass					**850-3873448**
Active Door Set - Cylinder Not Included	Solid Brass	**850-3144131**	**850-3560388**	**850-3983381**	**850-3144149**	**850-3144157**
Inactive Door Set - 90° Thumb Turn Insert	Solid Brass					**850-3873456**
Inactive Door Set - Thumb Turn Insert Not Included	Solid Brass	**850-3144190**	**850-3560396**	**850-3983399**	**850-3144202**	**850-3144211**

All handle sets are for 1-3/4" thick doors.

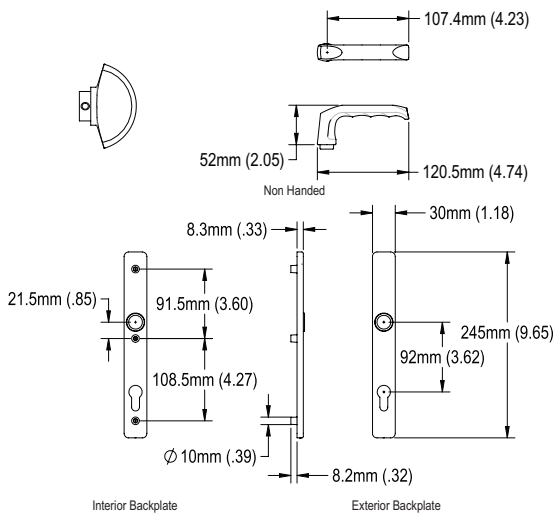
Dallas Series M1643/2161N



Type	Material	Brass Resista®	Matte Black	Satin Nickel	Rustic Umber	Dark Bronze Metallic
Active Door Set - 90° Cylinder	Solid Brass	**850-3870415**	**850-3870407**	**850-3870394**	**850-11503208**	**850-3870386**
Inactive Door Set - 90° Thumb Turn Insert	Solid Brass	**850-3870378**	**850-3870360**	**850-3870351**	**850-11503215**	**850-3870343**
Pair Fixed Dummy	Solid Brass	**850-3755661**	**850-3764866**	**850-3745163**	**850-11501996**	**850-3745155**

All handle sets are for 1-3/4" thick doors. Fixed dummy sets do not operate.

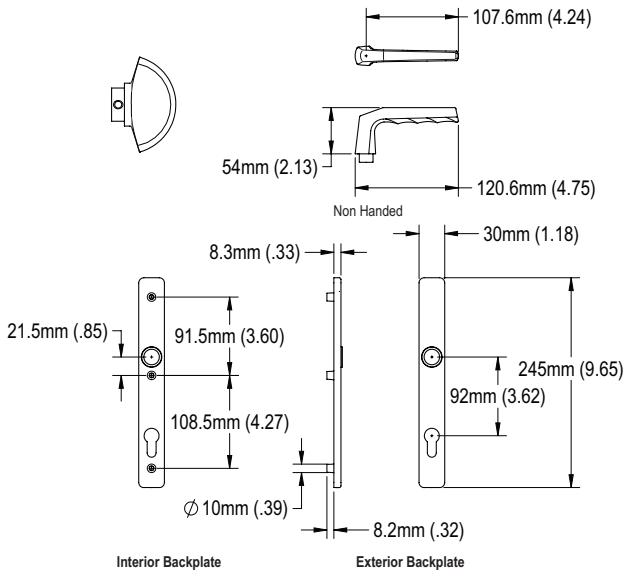
London Series 113L/2246



Type	Material	Silver
Active Door Set - 90° Cylinder	Aluminum	**850-2445839**
Inactive Door Set - 90° Thumb Turn Insert	Aluminum	**850-2445847**
Pair Fixed Dummy	Aluminum	**850-3908313**

All handle sets are for 1-3/4" thick doors. Fixed dummy sets do not operate.

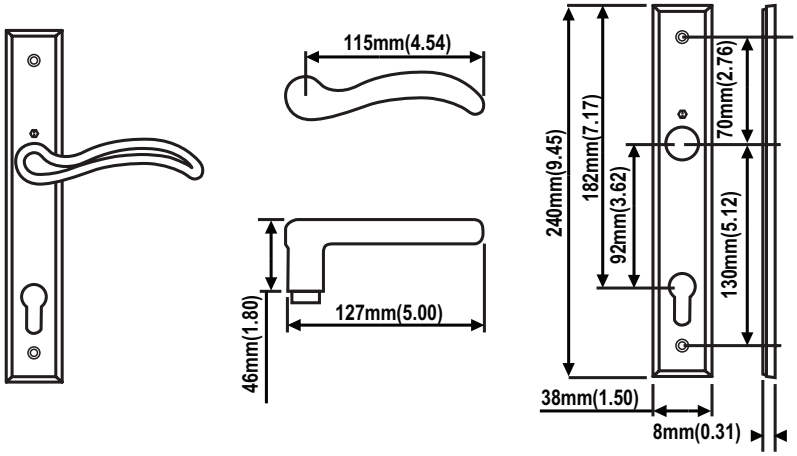
Frankfurt Series 117L/2246



Type	Material	Silver	Chestnut	Pure White
Active Door Set - 90° Cylinder	Aluminum	850-2439164	850-2437652	850-2437791
Inactive Door Set - 90° Thumb Turn Insert	Aluminum	850-2439199	850-2437767	850-2437839
Pair Fixed Dummy	Aluminum	850-3671361	850-3743571	850-3646181

All handle sets are for 1-3/4" thick doors. Fixed dummy sets do not operate.

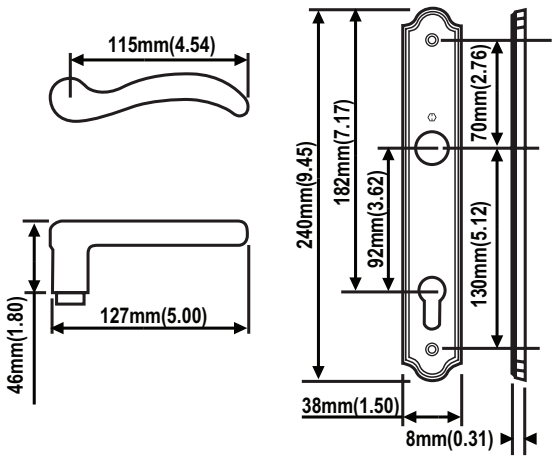
Missoula Series B1023/B2161



Type	Door Thickness	Material	Antique Bronze	Dark Bronze
Active Door Set - 90° Cylinder	1-3/4"	Solid Bronze	850-2923298	850-2923301
	2-1/4"	Solid Bronze	850-2923378	850-2923394
Inactive Door Set - 90° Thumb Turn Insert	1-3/4"	Solid Bronze	850-2923319	850-29233327
	2-1/4"	Solid Bronze	850-2923407	850-2923415
Pair Fixed Dummy	1-3/4"	Solid Bronze	850-2923466	850-2923474
	2-1/4"	Solid Bronze	850-2939521	850-2939548

Inactive Door Sets have only the thumbturn on the interior plate. Pair Fixed Dummy Sets do not operate.

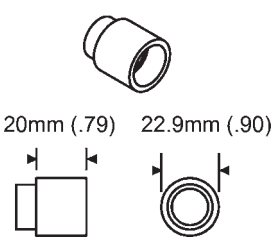
Missoula Series B1023/B3741



Type	Door Thickness	Material	Antique Bronze	Dark Bronze
Active Door Set - 90° Cylinder	1-3/4"	Solid Bronze	850-2923132	850-2923141
	2-1/4"	Solid Bronze	850-2923212	850-2923221
Inactive Door Set - 90° Thumb Turn Insert	1-3/4"	Solid Bronze	850-2923159	850-2923167
	2-1/4"	Solid Bronze	850-2923239	850-2923247
Pair Fixed Dummy	1-3/4"	Solid Bronze	850-2923271	850-2923280
	2-1/4"	Solid Bronze	850-2939505	850-2939513

Inactive Door Sets have only the thumbturn on the interior plate. Pair Fixed Dummy Sets do not operate.

Handle Extension for Active and Inactive Sets



Part #	Finish
850-2076412	Brass Resista®
850-550593	Antique Brass
850-1704528	Brushed Chrome Resista®
850-606344	Polished Chrome Resista®
850-8777939	Oil Rubbed Brass
850-638185	Pure White
850-1704536	Matte Black
850-2903991	Satin Nickel Resista®
850-2904071	Antique Nickel Resista®
850-2190258	Rustic Umber
850-3885561	Dark Bronze Metallic

Handle Set Screw

850-2294874
Stainless Steel

Cylinder Screw

Description	Size	Part #
35mm & 45mm Backset	M5 x 50	850-7500282
60mm & 70mm Backset	M5 x 75	850-2406936

Stainless Steel

Screw Packs for Backplates

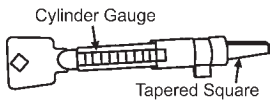
Size	Brass	Antique Brass	Brushed Chrome	Polished Chrome	Oil Rubbed Brass	Pure White	Matte Black	Satin Nickel	Antique Nickel	Rustic Umber	Dark Bronze Metallic
M5 x 50mm	850-2204867	850-8751919	850-2109827	850-8751907	850-8751927	850-8751903	850-8752183	850-2109827	850-2109691	850-8751927	850-2109691
M5 x 55mm	850-2231443	850-8751943	850-2231460	850-8751931	850-8751959	850-8751947	850-8752187	850-2231460	850-2231451	850-8751959	850-2231451
M5 x 60mm	850-2303208	850-8752167	850-2109763	850-8752171	850-8752175	850-8752179	850-8752191	850-2109763	850-2445919	850-8752175	850-2445919
M5 x 65mm	850-2253511	850-8751967	850-2253503		850-8751983	850-8751971	850-2253600	850-2253503	850-2260640	850-8751983	850-2260640
M5 x 70mm	850-2445871		850-2445898	850-8751999	850-8752007	850-8751995	850-8752003	850-2445898	850-2445927	850-8752007	850-2445927
M5 x 75mm	850-3377786	850-3377794	850-3377807	850-3377815	850-3377840	850-3377823	850-3377831	850-3377807	850-3648603	850-3377840	850-3648603
M5 x 80mm		850-8752563	850-8752567	850-2445901	850-8752579	850-8752575	850-8752571	850-8752567		850-8752579	

3 Screws per Pack

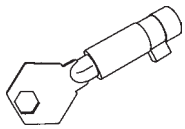
Profile Cylinder Accessories Rekeying Instructions

- Rekeying should be done by a qualified locksmith.
- Cylinder designs vary. HOPPE supplies CES brand cylinders and non-logo cylinders.
- Cylinders feature Schlage® SC1 keyways and may be rekeyed using Schlage® rekey kits.
- Cylinders should be rekeyed to an existing Schlage® key whenever possible.
- The HOPPE key gauge measures key cuts 1 through 9 the same as a Schlage® key gauge.
- When rekeying a CES cylinder using CES pins, use the CES pin number that corresponds with the measured key cut.
- When rekeying a CES cylinder using Schlage® pins, use the Schlage® pin number that is one less than the measured key cut. A key cut measuring 4 uses a #3 Schlage® pin.
- When rekeying a non-logo cylinder using CES pins, use the CES pin number that is one higher than the measured key cut. A key cut measuring 4 uses a #5 CES pin.
- When rekeying a non-logo cylinder using Schlage® pins, use the Schlage® pin number that corresponds with the measured key cut.

850-8785231
Key Blanks - Schlage® 5-Pin



850-8750635
Construction Key with Cylinder Gauge.
Long Version (Blue)

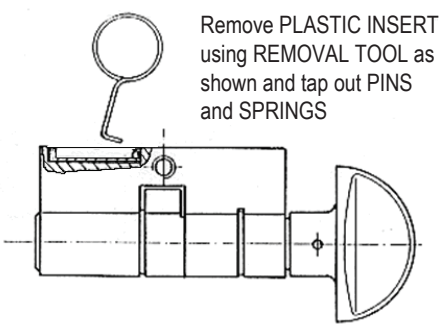


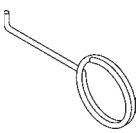
850-2667482
Construction Key
Short Version (Black)

850-2426890
8mm Square Construction Key

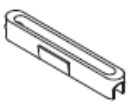
Steps to Rekey CES Cylinder with Plastic Insert

1. Remove PLASTIC INSERT using REMOVAL TOOL as shown and tap out PINS and SPRINGS





850-2000899
Removal Tool



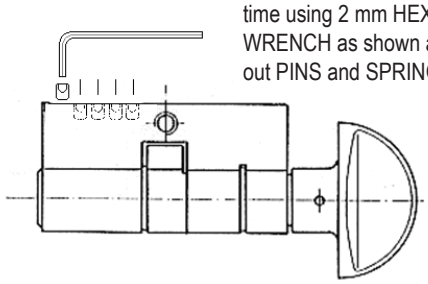
850-8771719
Plastic Insert

Part #	Description
850-8785239	Standard - 100 cylinder capacity
850-8785243	Mini-Kit - 10 cylinder capacity

Contains CES Pins

Steps to Rekey HOPPE Cylinder with Set Screws

1. Remove one SET SCREW at a time using 2 mm HEX WRENCH as shown and tap out PINS and SPRINGS

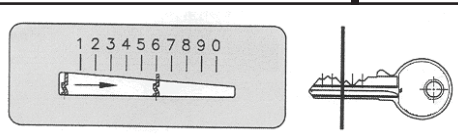


850-3475773
Set Screw

850-8762427
2mm Hex Wrench

850-3459001
30 cylinder capacity Key Kit
Contains Schlage® Pins

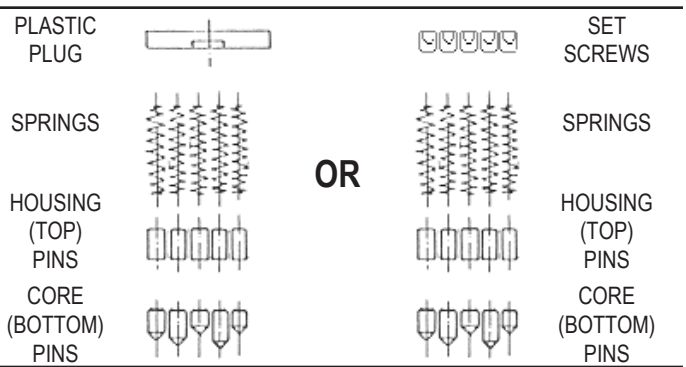
2.



Determine CORE PIN size with KEYING GAUGE

3.

1. Insert desired CORE PIN into the appropriate cylinder pin hole.
   Note: For cylinder designs featuring six pin holes, the innermost hole (furthest from the key face) is left blank.
2. Insert HOUSING PIN
3. Insert SPRING
4. Repeat until all PINS have been replaced and install PLASTIC INSERT OR install SET SCREW and repeat until all PINS have been replaced.



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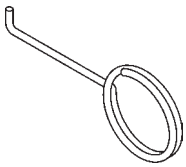
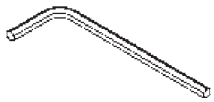
PROFILE CYLINDERS

Profile Cylinder 90° to 360° Conversion Instructions*

Recommended Tools and Accessories



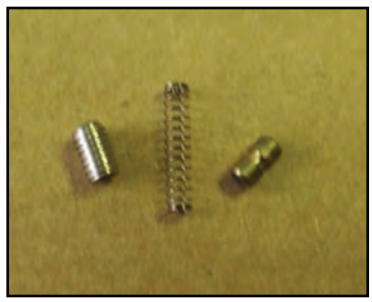
90° Release Tool
(provided)



2 mm or 1/4" Hex Wrench
(provided)

1. Remove the set screw as shown using the hex wrench

2. Dump out the spring and pin after removing the set screw



3. Use the 90 degree release tool if the pin does not fall freely from the cylinder body in step 2 as shown.

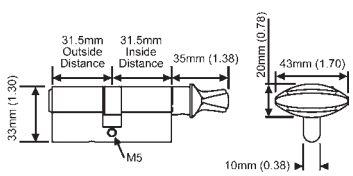
4. Recycle the set screw, spring, pin and 90 degree release tool.

* For the new non-logo cylinders.
Does not work on CES cylinders.

All HOPPE® Cylinders are available in Full and Thumbturn Insert Sizes. For instructions on converting cylinders from 90° to 360° contact your account manager.

90° Full Cylinder with Crescent Knob

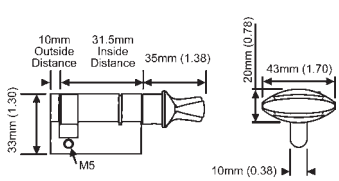
For 1-3/4" Doors



Part #	Finish
850-3142637	Resista® Polished Brass
850-3141933	Antique Brass
850-3141925	Resista® Polished Chrome
850-3141909	Resista® Brushed Chrome
850-3141984	Matte Black
850-3141941	Oil Rubbed Brass
850-3141917	Resista® Satin Nickel
850-3142629	Resista® Antique Nickel
850-3141968	Rustic Umber
850-3141976	White

90° Thumbturn Insert Cylinder w/Crescent Knob

For 1-3/4" Doors



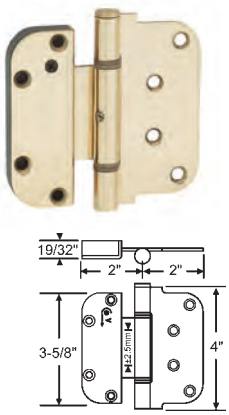
Part #	Finish
850-3142611	Resista® Polished Brass
850-3141853	Antique Brass
850-3141845	Resista® Polished Chrome
850-3141829	Resista® Brushed Chrome
850-3141861	Oil Rubbed Brass
850-3141837	Resista® Satin Nickel
850-3141870	Rustic Umber

HTL ULTIMATE 2-D HINGE

Steel Reinforcements - Makes this new hinge the "Ultimate" with door systems.

- Corrosion Resistant - Specially coated components for improved durability and strength.
- Easy Adjustment - Set hinge has a vertical adjustment feature (+/- 2.5mm) Guide hinge has a horizontal adjustment feature (+/- 2mm).
- Maintenance Free Bearings - No oiling required.
- Security - Non-removable pin (NRP) available for increased security.
- Simple Door Preparation - Quick and easy one pass routing.
- Variety of Finishes - Available in finishes to match your HOPPE® handle sets.
- Designed to carry up to 165 lbs. per door.
- Not to be used in commercial applications, especially not in conjunction with a door closer.

Set Hinge



Steel Set Hinges with Non-Removable Pin

Part #	Finish
850-8762439	Polished Brass
850-8762455	Polished Chrome
850-8762703	Brushed Chrome
850-8762439	KTL Brass Alternative
850-2307831	Rustic Umber
850-8762535	Matte Black

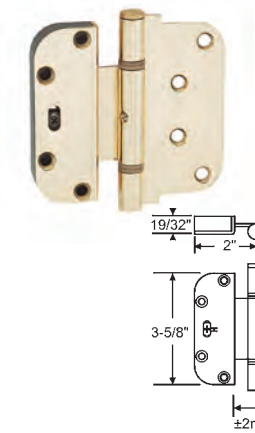
Brass Set Hinges with Non-Removable Pin

Part #	Finish
850-8762655	Polished Brass
850-8762671	Antique Brass

Stainless Steel Set Hinges with Non-Removable Pin

Part #
850-8762567

Guide Hinge



Steel Guide Hinges with Removable Pin

Part #	Finish
850-8762435	Polished Brass
850-8762451	Polished Chrome
850-8762699	Brushed Chrome
850-8762435	KTL Brass Alternative
850-2307823	Rustic Umber
850-8762531	Matte Black

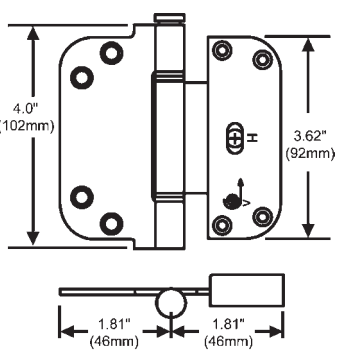
Brass Guide Hinges with Removable Pin

Part #	Finish
850-8762651	Polished Brass
850-8762667	Antique Brass

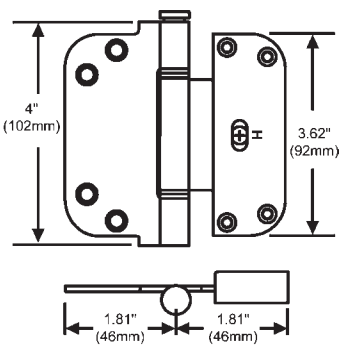
Stainless Steel Guide Hinges with Removable Pin

Part #
850-8762563

COLUMBUS 2-D HINGE FOR WOOD AND VINYL PRODUCTS



850-8755047
Set Hinge
No Longer Available.
Use 56-224PB. See Page 432



850-8755099
Guide Hinge
No Longer Available.
Use 56-223PB. See Page 432

For Additional Finishes, See Part Numbers 56-224 and 56-223 on Page 432.

Settling of walls and floors can make door panels hard to open and close. The 2-D Adjustable Hinge allows easy adjustment of the door both horizontally (+/-2 mm) and vertically (+/-3 mm) with just the turn of a screw. Each hinge is reversible and has maintenance free bearings.

There are two types of adjustable hinges for each door panel.
A. Set Hinge: One per panel. This has vertical adjustment (± 3mm).
B. Guide Hinge: Minimum of two per panel. These hinges only have the horizontal adjustment (± 2mm.)

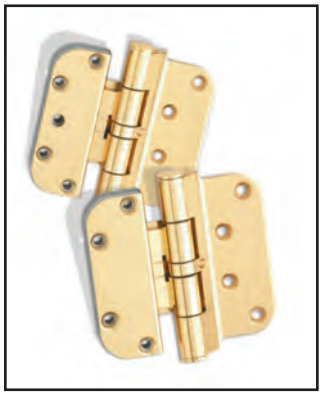
The guide hinges float up and down with the adjustment of the set hinge to prevent hinge binding.

Normal hinge replacement has the set hinge. Using a Phillips screwdriver, first adjust the panel up or down by turning the screw marked "V" on the set hinge. When turning the screw in the direction of the arrow (counter clockwise) the other leaf will be pushed in the direction of the arrow. Automatic screwdrivers are not recommended. The speed of the gun may strip the heads if the screws are over adjusted.

When the vertical adjustment is turned clockwise, the non-adjustable leaf will move in the direction of the arrow. The vertical adjustment has 32 turns from its extremes, and the horizontal has 7 turns.

Adjust the horizontal by turning clockwise to increase the margins. Turn counter clockwise to decrease the margins.

HOPPE ADJUSTABLE HINGE

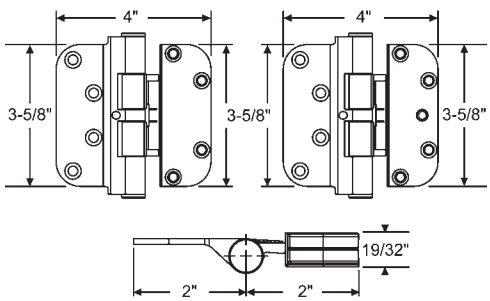


Designed for a Greater Advantage

- Adjusts both vertically (Set Hinge) and horizontally (Guide Hinge) by 1/8" for a perfect swing.
- Brass hinges feature finial caps as shown
- Aluminum hinges feature flush caps.
- Large 3/16" hex head screws make adjustments effortless. Remove the finial in the set hinge to access the hex screw.
- Single pass routing for quick and easy installation.
- All Set and Guide Hinges are equipped with non-removable pins for security, making HOPPE Adjustable Hinges the ideal solution for both inswing and outswing doors.
- Especially designed for larger doors, with a panel weight capacity of up to 330 lbs.
- Tested to a Higher Standard
- Brass hinges are tested beyond an impressive 2.5 million cycles, in accordance with ANSI A156.1 Grade 1 - Commercial test procedures.
- Backed by HOPPE's Limited Lifetime Mechanical Warranty.

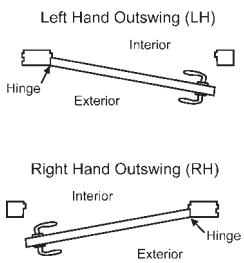
Finished with Superior Quality

HOPPE's Brass and Aluminum Hinges are outstanding corrosion resistant materials HOPPE uses their Resista® Limited Lifetime Finish Warranty on four of their select premium finishes. The Aluminum Hinges have a high quality powder coating finish.



850-3814721
Color Chip Samples

Handing of Door



Brass Guide Hinges

F41-R Brushed Chrome Resista®	F42-R Satin Nickel Resista®	F49-R Polished Chrome Resista®	F77-R Polished Brass Resista®	F73 Antique Brass	F79 Oil Rubbed Brass
850-2664581	850-2664572	850-2664556	850-2664601	850-2659562	850-2664599

Brass LH Set Hinges

F41-R Brushed Chrome Resista®	F42-R Satin Nickel Resista®	F49-R Polished Chrome Resista®	F77-R Polished Brass Resista®	F73 Antique Brass	F79 Oil Rubbed Brass
850-2972364	850-2972410	850-2972372	850-3113431	850-2972399	850-2972401

Brass RH Set Hinges

F41-R Brushed Chrome Resista®	F42-R Satin Nickel Resista®	F49-R Polished Chrome Resista®	F77-R Polished Brass Resista®	F73 Antique Brass	F79 Oil Rubbed Brass
850-2972655	850-2972743	850-2972680	850-3113529	850-2972701	850-2972719

Aluminum Guide Hinges

F1713 Gold	F8709 Rustic Umber	F 9010 Pure White	F7914 Matte Black
850-3033852	850-3052105	850-3033861	850-3033879

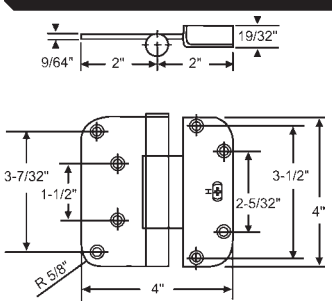
Aluminum LH Set Hinges

F1713 Gold	F8709 Rustic Umber	F 9010 Pure White	F7914 Matte Black
850-3033924	850-3052201	850-3033941	850-3033967

Aluminum RH Set Hinges

F1713 Gold	F8709 Rustic Umber	F 9010 Pure White	F7914 Matte Black
850-3033916	850-3052156	850-3033932	850-3033959

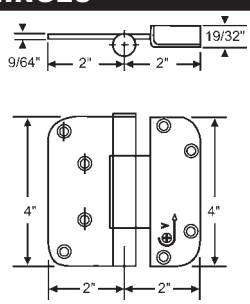
MILLENNIUM HINGES



2-D Guide Hinge with Removable Pin

Part #	Finish
850-8754731	Brushed Chrome
850-2388854	Antique Brass
850-8754727	Brass Alternative (KTL Finish)
850-8754743	Stainless Steel

WEATHERSHIELD/PEACHTREE



2-D Set Hinge with Non-Removable Pin

Part #	Finish
850-2388803	Antique Brass
850-8754803	Brass Alternative (KTL Finish)
850-8754819	Stainless Steel
850-8754815	Oil Rubbed Bronze

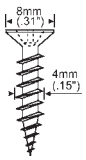
WEATHERSHIELD/PEACHTREE

HLS 9000 MULTIPOINT HARDWARE SWING DOOR QUESTIONNAIRE

This form is for a HOPPE or FUHR **Swing** Door Multipoint System with the key cylinder **below** the lever handle.

The **HLS9000 Stainless Steel Multipoint Locking System** provides more than safety and security. It prevents the unwelcome intrusion of rust and corrosion. It can also keep your reputation from being tarnished by eliminating expensive service calls and any resulting loss of revenue.

Corrosion occurs for a variety of reasons. With other materials or finishes, such as yellow zinc dichromate, it can result from pollution in the air, a scratched surface or from the presence of moisture or salt -particularly in coastal regions. **Stainless Steel provides excellent corrosion resistance from these in natural atmospheric conditions.** It also provides an extra measure of protection from pitting and staining in more demanding locations such as industrial sites, areas of urban pollution and coastal regions. To protect the quality of your product as well as your image, insist upon HLS9000.



Screws for Wood Profiles

Part #	Length
850-8785687	25/32"
850-8785691	1-5/32"
850-8785695	1-3/8"
850-8785699	1-3/4"
850-8785703	2-3/8"

Screws for Vinyl Profiles

Part #	Length
850-8785667	19mm
850-8785671	22mm
850-8785675	25mm

All Screws are Stainless Steel. 25 per Bag

SWING HOOK

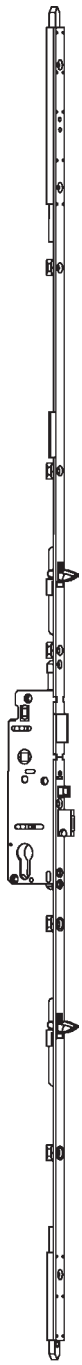
SHOOTBOLT VERSION

ROLLER VERSION

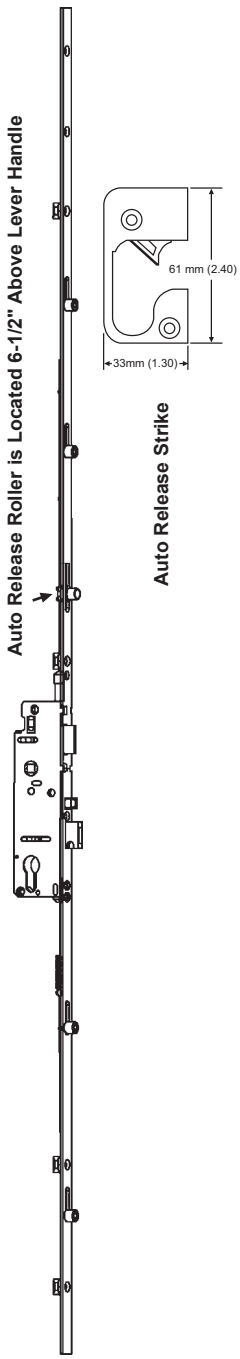
TONGUE VERSION

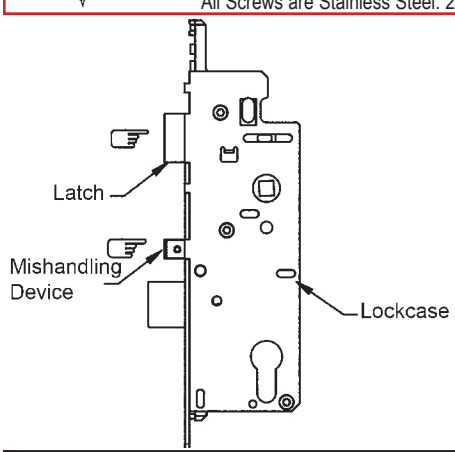
ROUNDBOLT VERSION

Manual Tongue/ Shootbolt Version



Automatic Four Roller Version





Reversing Latch and Mishandling Device

1. Pull and rotate Latch 180º with hand and release back into lockcase.
2. Pull and rotate Mishandling device 180º with handle and release back into lockcase.

1. The HOPPE® Multipoint Locking Systems are **in most cases** a direct replacement for **FUHR** Multipoint Systems.
2. There are various sizes and combinations of these Multipoint locking systems. Please fill out the questionnaire and fax it to our sales office to obtain part numbers, pricing and availability.

General Information

A) If you have a HOPPE or FUHR **Sliding** Door Multipoint System, fill out the **Old FUHR Sliding Door Multipoint Questionnaire (see page 368)**.
B) If you have a HOPPE **Swing** Door Multipoint System with the key cylinder **above** the lever handle, fill out form for the **HLS 7 Series (see page 407)**.
C) If you have a HOPPE or FUHR **Swing** Door Multipoint System with the key cylinder **below** the lever handle, fill out the form for the **HLS 9000 Series (see page 405)**.

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HLS 9000 MULTIPOINT HARDWARE SWING DOOR QUESTIONNAIRE

This form is for a HOPPE or FUHR **Swing** Door Multipoint System with the key cylinder **below** the lever handle.

Customer Name: _____ **Account Number** _____

Contact: _____ **Phone Number** _____

1. Which do you see stamped on the thin edge of the metal face plate running up the entire door edge: "FUHR" or "HOPPE®"? (This can be found in between the door latch and deadbolt area) _____
2. What is the **finish** of the faceplate? ❑ Brass looking ❑ Stainless Steel
3. Do you know who manufactured the door? How about the windows in your home? If so, please list the company:

   _____
4. Is this for a single door or a pair of doors (french doors)? _____
5. What is the door thickness: ❑ 1-3/4" (45mm) ❑ 2-1/4" (57.15mm) ❑ Other: _____
6. Is this a "**manual**" or "**automatic**" system? Manual: Pull up on handle to engage the multipoint locks. Automatic: Where the multi point locks engage on their own when you close the door. ❑ **Manual** ❑ **Automatic***

   ***NOTE: Automatic version will have a small roller-like piece located 6-1/2" above the latch. See pictures on page 404.**

   6A. If you have a FUHR Automatic System what finish is your auto-release strike _____
7. Based on the accompanying pictures, please put an "x" by the multipoint system you have:

   ❑ Automatic Tongue* (3-Point System)
   ❑ Manual Tongue (3-Point System)
   ❑ Automatic Roller* (3-Point System)
   ❑ Manual Roller (3-Point System)
   ❑ Automatic 4-Roller (5-Point System)
   ❑ Manual 4-Roller (5-Point System)
   ❑ Manual Tongue with Shootbolt (5-Point System)
   ❑ Manual Roller with Shootbolt (5-Point System)
   ❑ Manual Roundbolt (3-Point System)
   ❑ Manual Roundbolt with Shootbolt (5-Point System)
   ❑ Manual Swing Hook (3-Point System)
   ❑ Manual Swing Hook (4-Point System)
   ❑ Manual Swing Hook with Shootbolt (5-Point System)
   ❑ Manual Shootbolt (3-Point System for Active Door)
   ❑ Manual Shootbolt (2-Point System for Inactive Door)
   ❑ Other _____

***NOTE: When replacing old FUHR automatic systems, the Hoppe automatic release roller will be in a different location. Please contact your account manager for re-routing instructions.**

8. **FACE PLATE WIDTH:** The metal plate that runs the length of the door: ❑ 5/8" (16mm) ❑ 25/32" (20mm)
9. What is the total height of the door? : _____
10. If you have a tongue, roundbolt or roller version, what is the distance from the center of the handle to the **top** position of tongue, roundbolt or roller? (Note: All measurements shown are taken when system is in the locked position)

    Tongue: ❑ 23-5/8" (600mm) ❑ 29-1/4" (743mm) ❑ 37-13/64" (945mm) ❑ 41-11/32" (1050mm) ❑ 46-31/32" (1193mm) ❑ 62-3/4" (1594mm) ❑ Other _____

    Roundbolt: ❑ 23-5/8" (600mm) ❑ 32-1/8" (816mm) ❑ 40" (1016mm) ❑ 41-11/32" (1050mm) ❑ 47-7/8" (1216mm) ❑ 59-1/16" (1500mm) ❑ 63" (1600mm) ❑ Other _____

    Two Roller: ❑ 13" (330mm) ❑ 23-5/8" (600mm) ❑ 25-5/8" (651mm) ❑ 28-3/4" (730mm) ❑ 32-5/8" (829mm) ❑ 36-5/8" (930mm) ❑ 41-11/32" (1050mm) ❑ 44-11/16" (1135mm) ❑ 50-19/32" (1285mm) ❑ 59" (1500mm) ❑ 63" (1600mm) ❑ Other _____

    Four Roller - Position #1: ❑ 15-3/4" (400mm) ❑ 23-5/8" (600mm) ❑ 31-1/2" (800mm) ❑ 39-3/8" (1000mm) ❑ Other _____

    Four Roller - Position #2: ❑ 31-1/2" (800mm) ❑ 45-1/4" (1150mm) ❑ 59" (1500mm) ❑ 72-53/64" (1850mm) ❑ Other _____

    Swing Hook - Position #1: ❑ 19-11/16" (500mm) ❑ 23-5/8" (620mm) ❑ 35-7/16" (900mm) ❑ Other _____
11. **SHOOTBOLT THROW:** Full extension of shootbolt: ❑ 25/32" (20mm - Standard) ❑ 1" (25mm - Available on inactive systems only)
12. **HANDLE HEIGHT:** The distance from the center of the door handle down to the bottom horizontal edge of the door (36" Standard)? _____
13. What is the distance from the center of the handle to the center of the thumbturn piece? ❑ 2-7/32" (56mm) ❑ 2-53/64" (72mm) ❑ 3-5/8" (92mm - Standard) ❑ Other: _____
14. **BACKSET:** What is the distance from the center of the handle to the door edge (edge with the latch and deadbolt on it)? ❑ 1-3/8" (35mm) ❑ 1-3/4" (45mm) ❑ 2-3/8" (60mm) ❑ 2-3/4" (70mm)
15. **DEADBOLT THROW:** With the door ajar, measure how far out the deadbolt extends from the edge of the door: ❑ 1/2" ❑ 1"
16. If you have a tongue, roundbolt or roller version, what is the distance from the center of the handle down to the **bottom** position of tongue, roundbolt or roller? (Note: All measurements shown are taken when system is in the locked position)

    Tongue: ❑ 24-13/32" (620mm) ❑ 26-27/64" (671mm) ❑ 29-21/32" (753mm) ❑ Other: _____
    Roundbolt: ❑ 24-13/32" (620mm) ❑ 26-19/64" (668mm) ❑ Other: _____
    Two Roller: ❑ 24-13/32" (620mm) ❑ 29-1/2" (750mm) ❑ Other _____
    Four Roller - Position #1: ❑ 15-3/4" ❑ Other _____
    Four Roller - Position #2: ❑ 29-1/2" (750mm) ❑ Other _____
    Swing Hook: ❑ 29-21/32" (753mm) ❑ Other _____

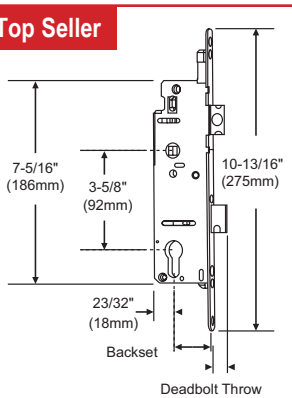
#8 Mounting Screws 2 Per Pack

3/4" Long	1-1/2" Long	Finish
850-2100785	850-2104381	Polished Brass/ Brushed Brass
850-2100793	850-2104399	Antique Brass
850-2100831	850-2104436	Brushed Chrome/ Satin Nickel

3/4" Long	1-1/2" Long	Finish
850-2100814	850-2104410	Polished Chrome/ Brushed Stainless Steel
850-2100822	850-2104428	Oil Rubbed Brass/ Matte Black
850-2100849	850-2104444	Antique Nickel

HLS 9000 Single Point Locks

Top Seller

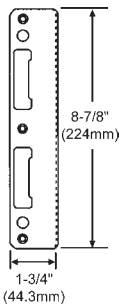


Part #	Backset	Deadbolt Throw
850-11517463	1-3/8"	1/2"
850-11517487	1-3/4"	1/2"
850-11517475	1-3/8"	1"
850-11517499	1-3/4"	1"
850-11517505	2-3/8"	1"
850-11517517	2-3/4"	1"

With Lockout Feature Stainless Steel

Latch & Deadbolt Strike

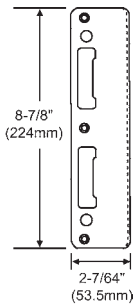
For 1-3/4" Door



Part #	Finish
850-8787715	Polished Brass
850-8787719	Antique Brass
850-8787735	Matte Black
850-8787723	Polished Chrome
850-8787727	Brushed Chrome
850-8787731	Oil Rubbed Brass
850-8787739	White Powder Coat
850-8787747	Stainless Steel
850-2127443	Satin Nickel
850-2127427	Antique Nickel

Curved Lip with Cylinder Hole and Non-Handed
Other Configurations Available

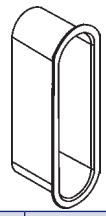
For 2-1/4" Door



Part #	Finish
850-2014019	Polished Brass
850-2014027	Stainless Brass
850-2014334	Oil Rubbed Brass
850-2014799	White Powder Coat
850-2014801	Matte Black Powder Coat
850-3772612	Rustic Umber

Curved Lip with Cylinder Hole and Non-Handed
Other Configurations Available

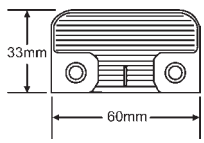
Dust Cap



Part #	Finish
850-8786547	Black

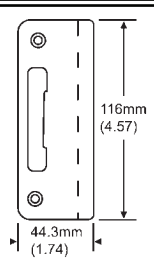
For Latch and Deadbolt Strike and Tongue Strike

Roller Strike Plate



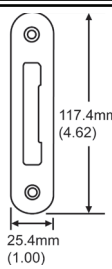
Part #	Finish
850-8785003	Brass
850-8784999	Chrome
850-8784991	Oil Rubbed Brass
850-8784995	Raw, Unplated

Tongue Strikes



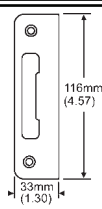
Part #	Finish
850-8784675	Brass
850-1964522	Stainless Steel
850-2121244	Oil Rubbed Brass

Curved Lip



Part #	Finish
850-2025181	Brass
850-2025199	Stainless Steel
850-2025842	Oil Rubbed Brass

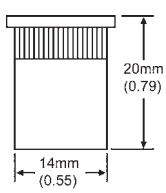
Radius Lip



Part #	Finish
850-8784699	Brass
850-8784707	Stainless Steel
850-8786551	Antique Brass
850-8786559	Brushed Chrome
850-8784703	Oil Rubbed Brass
850-8786575	Matte Black
850-2127486	Satin Nickel

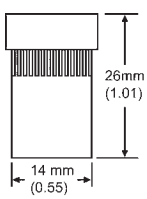
Flat

Socket Strikes



Part #	Finish
850-8784663	Brass
850-8784667	Oil Rubbed Brass

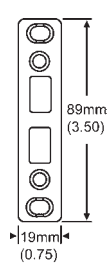
3/4" Throw



Part #	Finish
850-2024962	Brass

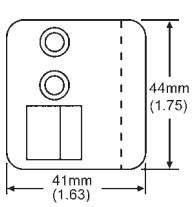
1" Throw

Shootbolt Strikes



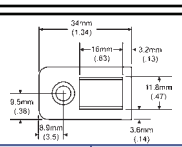
Part #	Finish
850-2135241	Brass
850-2098945	Stainless Steel

Double Door

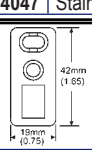


Part #	Hand	Finish
850-8784091	LH	Stainless Steel
850-2117325	LH	Oil Rubbed Brass
850-8784067	RH	Brass
850-8783923	RH	Stainless Steel
850-2117261	RH	Oil Rubbed Brass

Curved Lip Single Door



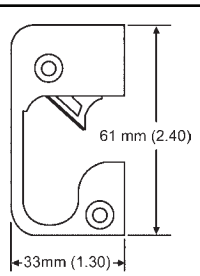
Part #	Finish
850-8784047	Stainless Steel

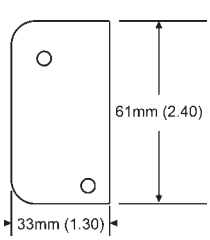


Part #	Finish
850-2135259	Brass
850-2098911	Stainless Steel

Single Door

Auto-Release Strike & Plates for Automatic Systems





Strike Part #	Underplate Part #	Finish
850-8783867	850-8784775	Brass
850-8783871	850-8784783	Stainless
850-8783875	850-8784779	Oil Rub

TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

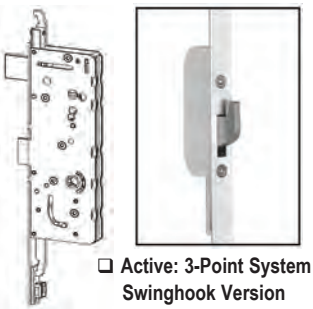
HLS 7 SERIES MULTIPOINT HARDWARE SWING DOOR QUESTIONNAIRE

This form is for a HOPPE **Swing** Door Multipoint System with the key cylinder **above** the lever handle.

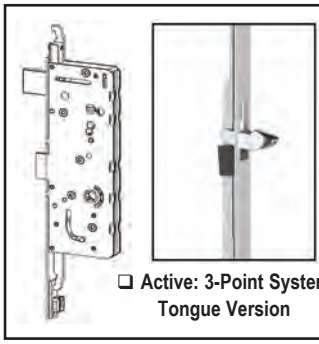
Customer Name: _____ Account Number _____

Contact: _____ Phone Number _____

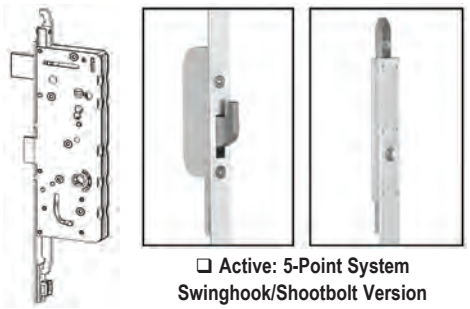
1. HOPPE will be stamped below the latch on the thin metal faceplate that runs along the edge of the door
2. Do you know who manufactured the door? How about the windows in your home? If so, please list the company: _____
3. Is this for a single door or a pair of doors (french doors)? _____
   If pair of doors, what is the thickness of the astragal on the inactive door? ❑ Flush ❑ 19/32" to 3/4" ❑ 3/4" to 29/32" ❑ 29/32" to 1" ❑ 1" to 1-9/64"
4. What is the door thickness: ❑ 1-3/4" (45mm) ❑ 2-1/4" (57.15mm) ❑ Other: _____
5. Based on the pictures shown below, please put and "X" by your HLS7 Manual Multipoint System



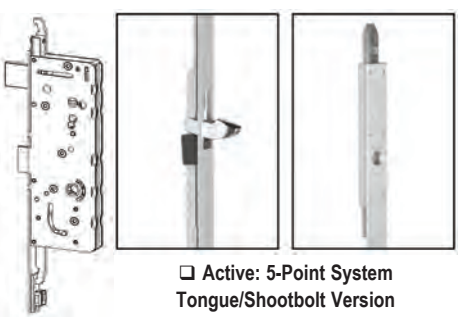
❑ **Active: 3-Point System Swinghook Version**



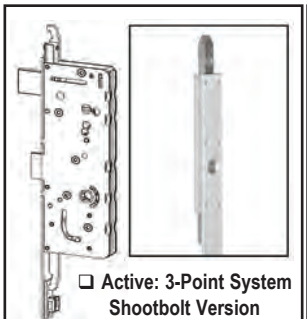
❑ **Active: 3-Point System Tongue Version**



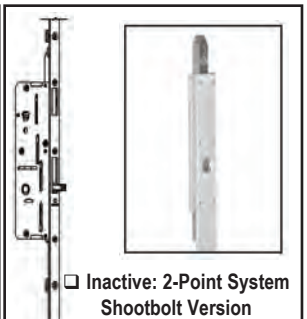
❑ **Active: 5-Point System Swinghook/Shootbolt Version**



❑ **Active: 5-Point System Tongue/Shootbolt Version**



❑ **Active: 3-Point System Shootbolt Version**



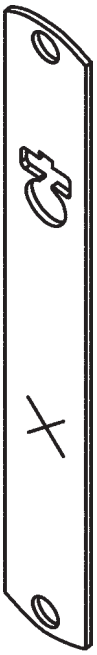
❑ **Inactive: 2-Point System Shootbolt Version**

❑ **Inactive: 2-Point System Threaded Rod Lock Version**

6. The metal face plate for all HLS 7 Systems is 5/8" (16mm) wide and is made of stainless steel.
7. The shootbolt throw for all HLS 7 Systems is 1" (25mm).
8. What is the total height of the door panel?: _____
9. Is your door right hand or left hand? ❑ RH ❑ LH
   NOTE: Door handing is determined from the exterior. When hinges are on the left, the door is LH. When hinges are on the right, the door is RH. (Inswing or Outswing does not determine handing)
10. If you have a tongue or swinghook version, what is the distance from the center of the handle up to the top tongue or swinghook position?
    ❑ 15-3/4" (400mm) ❑ 23-5/8" (600mm) ❑ 29-1/4" (743mm) ❑ 37-13/64" (945mm) ❑ 40-7/16" (1026.8mm) ❑ 46-31/32" (1193mm) ❑ 59" (1500mm)
11. The handle height for all HLS 7 Systems is 36".
12. The distance from the center of the handle to the center of the thumbturn piece for all HOPPE systems is 3-5/8" (92mm).
13. Backset for all HLS 7 Systems is 1-3/4" (45mm).
14. The deadbolt throw for all HLS 7 Systems is 1" (25mm).
15. If you have a tongue or swinghook version, what is the distance from the center of the handle down to the bottom tongue or swinghook position?
    ❑ 24-13/32" (620mm) ❑ 29-21/32" (753mm)

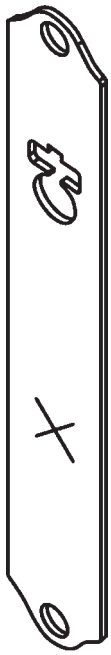
HLS7 SERIES REPLACEMENT PARTS

BACKPLATE GASKETS



Part #
850-2737559

For M2167N Backplate



Part #
850-2737567

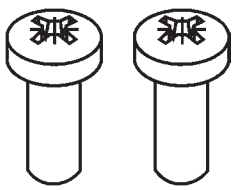
For M2172N Backplate

QUICK-FIT CONNECTION™ HANDLE TOOL

Part #
850-7190528

For Removal of Handle

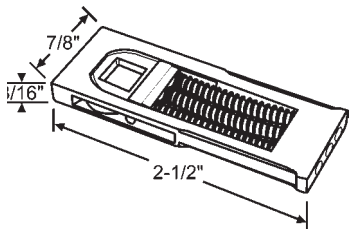
CYLINDER SCREWS



Part #
850-2753946

2 Per Cylinder

SPRING CARTRIDGE



Part #
850-2702170

1 Per Backplate

BACKPLATE BUSHINGS

Resista® Brass	Antique Brass	Brushed Chrome	Polished Chrome	Oil-Rubbed Brass	Pure White	Matte Black	Satin Nickel	Antique Nickel	Rustic Umber
850-387340	850-387340	850-1975598	850-1975598	850-1975619	850-387340	850-1975619	850-1975580	850-1975619	850-387340

PARTS PACK FOR ACTIVE HANDLE SET

Part #
850-2753954

2 Each: C-Washers, Spring Cartridges, Cylinder Screws & Handle Spindles
1 Each: Handle Release Tool and Black Plastic Insert

PARTS PACK FOR INACTIVE HANDLE SET

Part #
850-2753920

2 Each: C-Washers, Spring Cartridges, Cylinder Screws & Handle Spindles
1 Each: Handle Release Tool, Black Plastic Insert and 76mm Tailpiece to Insert in Plastic Insert

PARTS PACK FOR HANDLE SET - 2 BACKPLATE SCREWS

Resista® Brass	Antique Brass	Brushed Chrome	Polished Chrome	Oil-Rubbed Brass	Pure White	Matte Black	Satin Nickel	Antique Nickel	Rustic Umber
850-2699880	850-2781744	850-2725291	850-2781761	850-2781779	850-2781787	850-2781795	850-2725291	850-2781808	850-2781779

SWING DOOR HANDLES

Solid Brass Trim Sets

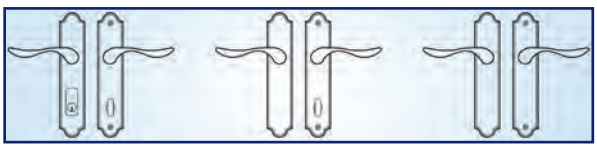
Allegro

Capri

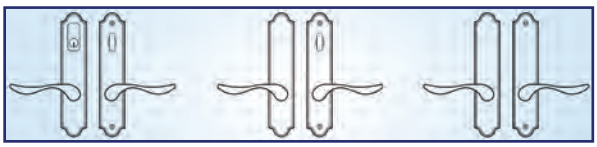
Torino

Venice

Handle Above Style


Active (Keyed) | Semi-Active (Non-Keyed) | Fixed (Dummy)

Handle Below Style


Active (Keyed) | Semi-Active (Non-Keyed) | Fixed (Dummy)

- Solid brass trim sets
- Stainless Steel set screw on levers to secure spindle
- US cylinder with standard Schlage "C" keyway
- 90° locking with thumb-turn
- Unassembled kit for 1 3/4" and 2 1/4" thick doors
- Self-centering spindle
- Use with mortise lock, SECURY S2, SH2 and SECURY Automatic door gears
- Patented handle clipping system

Satin Chrome | Polished Brass | Antique Brass | Oil Rubbed Bronze | Satin Nickel | Dark Bronze | Pewter | Black Powder Coat

SOLID BRASS TRIM SETS (PART NUMBERS)											
Style	Plate Size	Handle Position	Function	Satin Chrome	Polished Brass	Antique Brass	Oil Rubbed Bronze	Satin Nickel	Dark Bronze	Pewter	Black Powder Coat
Allegro	30mm	Above Cylinder	Active	854-15704	854-15854	854-15855	854-15856	854-15857	854-15858	854-15859	
Allegro	30mm	Below Cylinder	Active	854-15860	854-15861	854-15862	854-15863	854-15864	854-15865	854-15866	
Allegro	30mm	Above or Below	Semi-Active	854-15741	854-15849	854-15850	854-15851	854-15833	854-15852	854-15853	
Allegro	30mm	Above or Below	Fixed	854-15705	854-15844	854-15845	854-15846	854-15592	854-15847	854-15848	
Torino	30mm	Above Cylinder	Active	854-15878	854-15879	854-15880		854-15881	854-15882	854-15883	
Torino	30mm	Below Cylinder	Active	854-15884	854-15885	854-15886		854-15887	854-15888	854-15889	
Torino	30mm	Above or Below	Semi-Active	854-15873	854-15874	854-15875		854-15678	854-15876	854-15877	
Torino	30mm	Above or Below	Fixed	854-15867	854-15868	854-15869		854-15870	854-15871	854-15872	
Venice	30mm	Above Cylinder	Active	854-15901	854-15902	854-15903	854-16153	854-15809	854-15597	854-15904	
Venice	30mm	Below Cylinder	Active	854-15905	854-15814	854-15906		854-15907	854-15908	854-15909	
Venice	30mm	Above or Below	Semi-Active	854-15896	854-15897	854-15898		854-15899	854-15598	854-15900	
Venice	30mm	Above or Below	Fixed	854-15890	854-15891	854-15892		854-15893	854-15894	854-15895	
Torino	45mm	Above Cylinder	Active	854-16035	854-16036	854-16037	854-16038	854-16039	854-16040	854-16041	854-16042
Torino	45mm	Below Cylinder	Active	854-16043	854-16044	854-16045	854-16046	854-16047	854-16048	854-16049	
Torino	45mm	Above or Below	Semi-Active	854-16028	854-16029	854-16030	854-16031	854-15706	854-16032	854-16033	854-16034
Torino	45mm	Above or Below	Fixed	854-16020	854-16021	854-16022	854-16023	854-16024	854-16025	854-16026	854-16027
Venice	45mm	Above Cylinder	Active	854-16067	854-15535	854-16068	854-16069	854-16070	854-15594	854-16071	854-16073
Venice	45mm	Below Cylinder	Active	854-16074	854-16076	854-16077	854-16078	854-16079	854-16080	854-16081	
Venice	45mm	Above or Below	Semi-Active	854-16059	854-15536	854-16061	854-16062	854-15677	854-16063	854-16064	854-16066
Venice	45mm	Above or Below	Fixed	854-15827	854-16051	854-16052	854-16053	854-16054	854-16055	854-16056	854-16058
Capri	45mm	Above Cylinder	Active	854-15763	854-15554	854-16011	854-15596	854-15764	854-15737	854-16012	854-15734
Capri	45mm	Below Cylinder	Active	854-16014	854-15708	854-16015	854-15788	854-16016	854-16017	854-16018	
Capri	45mm	Above or Below	Semi-Active	854-16005	854-15556	854-16007	854-15580	854-15826	854-15606	854-16008	854-15843
Capri	45mm	Above or Below	Fixed	854-15998	854-16000	854-16001	854-16002	854-15825	854-15815	854-16003	854-15735

SWING DOOR HANDLES

Zamac Trim Sets

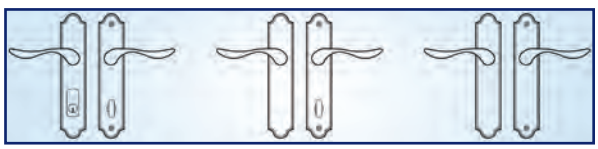
Allegro

Capri

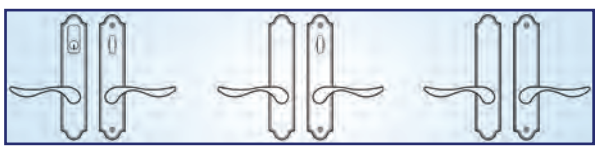
Torino

Venice

Handle Above Style


Active (Keyed) | Semi-Active (Non-Keyed) | Fixed (Dummy)

Handle Below Style


Active (Keyed) | Semi-Active (Non-Keyed) | Fixed (Dummy)

- Zamac trim sets
- Stainless Steel set screw on levers to secure spindle
- US cylinder with standard Schlage "C" keyway
- 90° locking with thumb-turn
- Unassembled kit for 1 3/4" and 2 1/4" thick doors
- Self-centering spindle
- Use with mortise lock, SECURY S2, SH2 and SECURY Automatic door gears
- Patented handle clipping system

Satin Chrome | Polished Brass | Antique Brass | Dark Bronze Powder Coat | Black Powder Coat | Pewter | White Powder Coat | Dark Bronze

ZAMAC TRIM SETS (PART NUMBERS)											
Style	Plate Size	Handle Position	Function	Satin Chrome	Polished Brass	Antique Brass	Dark Bronze Powder Coat	Black Powder Coat	Pewter	White Powder Coat	Dark Bronze
Allegro	30mm	Above Cylinder	Active	854-15924		854-15925	854-15927	854-15928	854-15926	854-15929	
Allegro	30mm	Below Cylinder	Active	854-15930	854-15748	854-15932	854-15934	854-15935	854-15933	854-15936	
Allegro	30mm	Above or Below	Semi-Active	854-15917	854-15918	854-15919	854-15921	854-15922	854-15920	854-15923	
Allegro	30mm	Above or Below	Fixed	854-15910	854-15911	854-15912	854-15914	854-15915	854-15913	854-15916	
Torino	30mm	Above Cylinder	Active	854-15954	854-15955	854-15956	854-15958	854-15959	854-15957	854-15960	
Torino	30mm	Below Cylinder	Active	854-15961	854-15962	854-15963	854-15965	854-15966	854-15964	854-15967	
Torino	30mm	Above or Below	Semi-Active	854-15947	854-15948	854-15949	854-15951	854-15952	854-15950	854-15953	
Torino	30mm	Above or Below	Fixed	854-15940	854-15941	854-15942	854-15944	854-15945	854-15943	854-15946	
Venice	30mm	Above Cylinder	Active	854-15982	854-15983	854-15984	854-15987	854-15988	854-15986	854-15989	
Venice	30mm	Below Cylinder	Active	854-15990	854-15991	854-15992	854-15994	854-15995	854-15993	854-15996	
Venice	30mm	Above or Below	Semi-Active	854-15975	854-15976	854-15977	854-15979	854-15980	854-15978	854-15981	
Venice	30mm	Above or Below	Fixed	854-15968	854-15969	854-15970	854-15972	854-15973	854-15971	854-15974	
Torino	45mm	Above Cylinder	Active	854-15758			854-16107	854-16108	854-16106	854-16109	
Torino	45mm	Below Cylinder	Active	854-16110	854-15747	854-16111	854-16113	854-16114	854-16112	854-16115	
Torino	45mm	Above or Below	Semi-Active	854-16099	854-16100	854-16101	854-16103	854-16104	854-16102	854-16105	
Torino	45mm	Above or Below	Fixed	854-15759	854-16093	854-16094	854-16096	854-16097	854-16095	854-16098	
Venice	45mm	Above Cylinder	Active		854-15757		854-15721	854-16131	854-16130	854-16132	854-15571
Venice	45mm	Below Cylinder	Active	854-16133	854-15755	854-16134	854-16136	854-16137	854-16135	854-16138	
Venice	45mm	Above or Below	Semi-Active	854-16123	854-16124	854-16125	854-16127	854-16128	854-16126	854-16129	
Venice	45mm	Above or Below	Fixed	854-16116	854-16117	854-16118	854-16120	854-16121	854-16119	854-16122	
Capri	45mm	Above Cylinder	Active				854-15824	854-16089		854-15586	
Capri	45mm	Below Cylinder	Active				854-16090	854-16091		854-16092	
Capri	45mm	Above or Below	Semi-Active				854-16086	854-16087		854-16088	
Capri	45mm	Above or Below	Fixed				854-16083	854-16084		854-16085	

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MULTIPOINT HARDWARE SWING DOOR QUESTIONNAIRE

Acct. #: _____ Date: _____

Customer Name: _____ Phone: _____

Address: _____ Fax: _____

_____ E-mail: _____

1. Is the faceplate stamped with **G-U** or **Ferco**? ❑ G-U ❑ Ferco ❑ Other: _____
2. Is this for a single door, or a pair of doors (french doors)? _____
3. What is the door thickness? ❑ 1-3/4" (45mm) ❑ 2-1/4" (57mm) ❑ Other: _____
4. Do you know who manufactured your door? Do you know the age of your door? _____
5. What is the finish/color of your Multipoint system?
   ❑ Silver ❑ Stainless Steel ❑ Yellow Dichromate (Brass looking) ❑ Black Matte ❑ White
6. What is the distance from the **center** of the handle to the **center** of the key cylinder?
   ❑ 2-7/32" (56mm) ❑ 2-53/64" (72mm) ❑ 3-5/8" (92mm - Standard) ❑ Other: _____
7. Is this a "**Manual**" (locks are engaged by lifting lever upwards) or "**Automatic**" (locks engage automatically when you close the door) system? ❑ Manual ❑ Automatic
8. What is the width across of this metal face plate? ❑ 5/8" (16mm) ❑ 25/32" (20mm)
9. Is the key cylinder located **above** (American Version) or **below** (European Version) the handle? _____
10. Based on the locking options on page 412, please put an "X" by the name of your G-U Multipoint System:

American Version (Key Above Handle)

❑ **Wolverine:** Manual 3-point locking system (Active Door).
Top & Bottom Shootbolt and Deadbolt.

❑ **Wolverine:** Manual 2-point locking system (Inactive Door).
Top & Bottom Shootbolt.

❑ **Eagle:** Automatic 3-point locking system.
2 Additional Latches and Deadbolt.

❑ **Hawk:** Semi-Automatic 3-point locking system.
2 Additional Latches and Deadbolt.

❑ Other: _____

European Version (Key Below Handle)

❑ **Cremona:** Manual 3-point locking system (Active Door).
Top & Bottom Shootbolt with Latch and Deadbolt.

❑ **Cremona/Europa:** Manual 2-point locking system (Inactive Door).
Top & Bottom Shootbolt without Latch and Deadbolt.

❑ **Rhino:** Manual 3-point locking system.
2 Horn Type Bolts and Deadbolt.

❑ **Rhino:** Manual 5-point locking system.
2 Horn Type Bolts, Top & Bottom Shootbolt and Deadbolt.

❑ **Tripact:** Manual 3-point locking system.
2 Hook/Tongue bolts and Deadbolt.

❑ **Tripact/Cremona:** Manual 5-point locking system.
2 Hook/Tongue Bolts, Top & Bottom Shootbolt and Deadbolt.

❑ **Europa R2:** Manual 5-point locking system.
2 Rollers, Top & Bottom Shootbolt and Deadbolt.

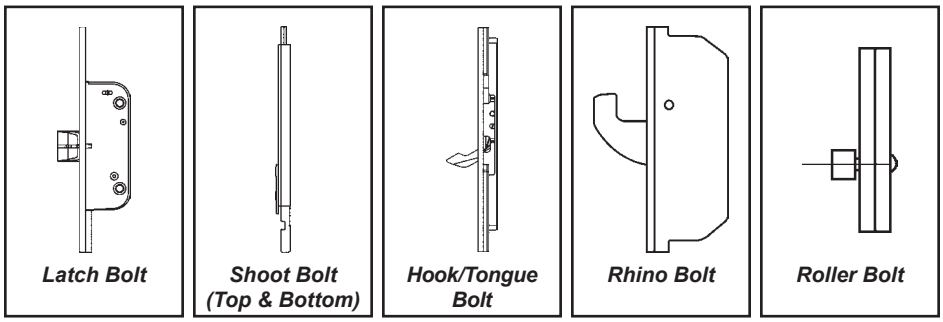
❑ Other: _____

Refer to measuring guidelines on page 412 to answer questions below

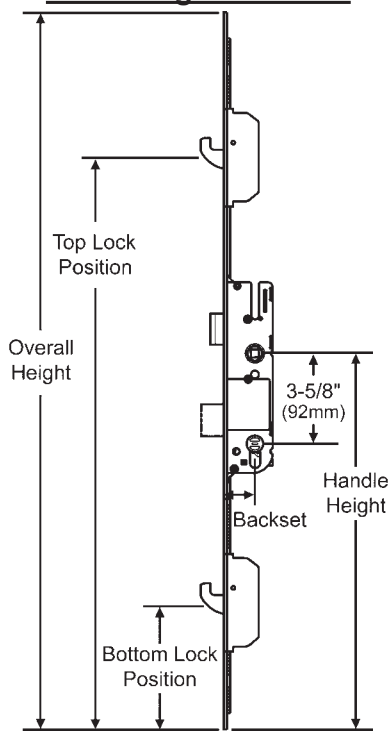
11. **BACKSET:** What is the distance from the **center** of the handle to the door **edge** (edge with the latch and deadbolt on it)?
    ❑ 1-3/16" (30mm) ❑ 1-3/8" (35mm) ❑ 1-9/16" (40mm) ❑ 1-3/4" (45mm) ❑ 2" (50mm) ❑ 2-3/16" (55mm) ❑ 2-3/8" (60mm)
12. Does the teardrop on your mortise gear box take a full cylinder or is there an insert in the round part of the teardrop that accepts a tailpiece to engage the deadbolt? ❑ Full Cylinder ❑ Insert that accepts a tailpiece (See picture of single point locks on page 412)
13. **DEADBOLT THROW:** The throw on the deadbolt is 1" (25mm)
14. **HANDLE HEIGHT:** The distance from the **center** of the door handle down to the **bottom edge** of the door (35" Standard)? _____
15. **BOTTOM LOCK POSITION:** What is the distance of the **bottom lock** to the **bottom edge** of the door? _____
16. What is door panel height (The door panel is the part that opens and closes)? _____
17. **TOP LOCK POSITION:** What is the distance of the **top lock** to the **Lever Handle**? _____

LOCKING OPTIONS FOR MULTIPOINT QUESTIONNAIRE

Locking Options

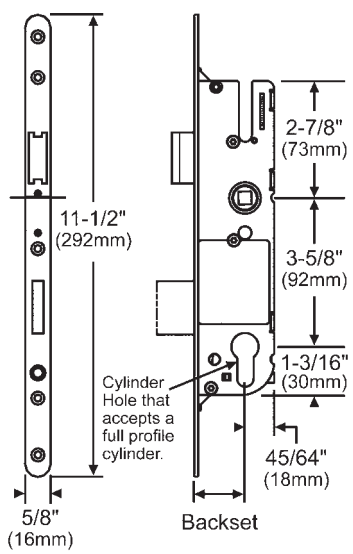


Measuring Guidelines



SINGLE POINT MORTISE LOCKS

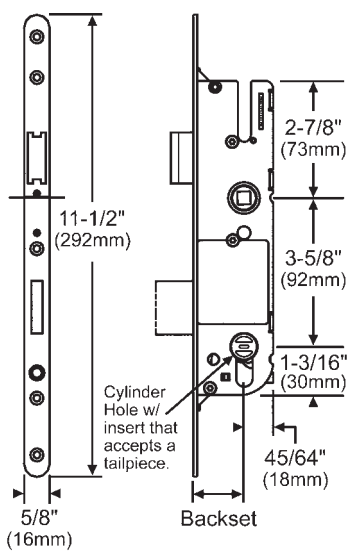
Key Cylinder Below Handle



Part Number	Backset
854-15559	30mm
854-15492	35mm
854-15560	40mm
854-15561	45mm
854-15488	50mm
854-15552	55mm

Stainless Steel

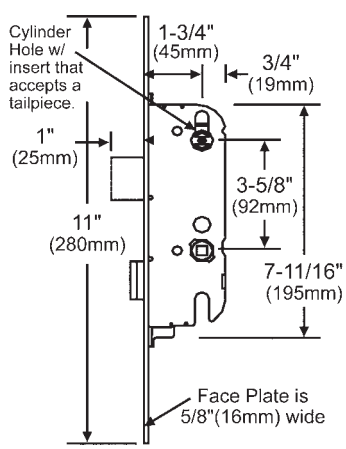
Key Cylinder Below Handle



Part Number	Backset
854-15562	30mm
854-11113	35mm
854-15284	40mm
854-15563	45mm
854-15489	50mm
854-15551	55mm

Stainless Steel

Key Cylinder Above Handle



Part Number	Backset
854-10549	45mm

Stainless Steel

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SWING DOOR ACCESSORIES

Plastic Cup

Part Number	Color
854-15515	Black

Plastic Cup. Use for Latch and 2 Automatic Latches (Optional).

Part Number	Color
854-15595	Black

Plastic Cup. Use for Latch and 2 Automatic Latches (Optional).

Screws

Part Number	Color
854-15711	Polished Brass
854-15712	Antique Brass
854-15579	Dark Bronze PC
854-15716	Black
854-15713	Stainless Steel
854-15714	Pewter

Bag of 6 Screws for Keepers 8 x 5/8" Flat Head, Philips.

Keepers

Part Number	Color
854-15787	Antique Brass
854-15709	Stainless Steel

Top and Bottom Keeper. Reversible. 2 #8 x 5/8" Flat Head, Philips Screws Included.

Part Number	Color
854-15725	Antique Brass
854-15599	Dark Bronze PC
854-16173	Polished Brass

Top and Bottom Keeper for 45 mm (1-3/4") Thick Doors. Non Handed. Clear Protective Film. Available in Handle Matching Finishes. 2 #8 x 5/8" Flat Head, Philips Screws Included.

Part Number	Color
854-15745	Dark Bronze PC

Top and Bottom Keeper for 57 mm (2-1/4") Thick Doors. Non Handed. Clear Protective Film. Available in Handle Matching Finishes. 2 #8 x 5/8" Flat Head, Philips Screws Included.

Part Number	Color
854-15524	Polished Brass
854-15841	Dark Bronze PC
854-15549	Stainless Steel

Middle Keeper for 45 mm (1-3/4") Thick Doors. Non Handed. Clear Protective Film. #8 x 5/8" Flat Head, Philips Screws Included.

Part Number	Color
854-15771	Polished Brass
854-15585	Dark Bronze PC
854-15553	Black PC
854-15544	Stainless Steel

Middle Keeper for 57 mm (2-1/4") Thick Doors. Non Handed. Clear Protective Film. #8 x 5/8" Flat Head, Philips Screws Included.

Part Number	Color
854-15694	Polished Brass
854-15695	Antique Brass
854-15578	Dark Bronze PC
854-15696	Black PC
854-15697	Stainless Steel
854-15798	Pewter

For 45 mm (1-3/4") Thick Doors. For Use with SECURY S2 and SH2 Door Lock. Bag of 1 Middle Keeper, 2 Top & Bottom Keepers & 6 Screws. Non Handed with Clear Protective Film

Part Number	Color
854-15699	Polished Brass
854-15700	Antique Brass
854-15701	Dark Bronze PC
854-15702	Black PC
854-15538	Stainless Steel
854-15703	Pewter

For 57 mm (2-1/4") Thick Doors. For Use with SECURY S2 and SH2 Door Lock. Bag of 1 Middle Keeper, 2 Top & Bottom Keepers & 6 Screws. Non Handed with Clear Protective Film

Part Number	Color
854-15683	Polished Brass
854-15684	Antique Brass
854-15532	Dark Bronze PC
854-15685	Black PC
854-15686	Stainless Steel
854-15687	Pewter

For 45 mm (1-3/4") Thick Doors. For Use with SECURY Automatic Door Lock. Bag of 1 Middle Keeper, 2 Top & Bottom Keepers & 6 Screws. Non Handed with Clear Protective Film

Part Number	Color
854-15689	Polished Brass
854-15690	Antique Brass
854-15688	Dark Bronze PC
854-15691	Black PC
854-15692	Stainless Steel
854-15693	Pewter

For 57 mm (2-1/4") Thick Doors. For Use with SECURY Automatic Door Lock. Bag of 1 Middle Keeper, 2 Top & Bottom Keepers & 6 Screws. Non Handed with Clear Protective Film

SWING DOOR ACCESSORIES

Construction Handle

Part Number	Color
854-15531	Black

- Reinforced nylon temporary door trim sets
- 8 x 8 x 90mm square spindle included
- 4, 2 x 50mm screws included
- For 1 3/4" thick doors
- Locking/Unlocking from inside only

Construction Key

Part Number	Color
854-13109	Black

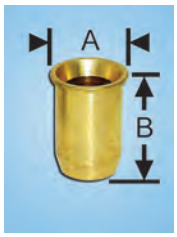
The construction key is available for those who prefer to install the decorative hardware trim and lever sets on doors after the construction has been completed. Installing the escutcheon plates and levers in the final stage of construction prevents the decorative trim from becoming scratched or damaged. The construction key has been designed to accommodate multipoint door hardware (8mm square), tilt-turn hardware (7mm square) and lift-slide hardware (10mm square).

Handle Extenders

Part Number	Color
854-15736	Polished Brass
854-15817	Satin Nickel
854-16140	Oil Rubbed Bronze

- Made of solid brass
- Use with our solid brass handle sets

Shoot Bolt Sleeve



Part Number	Color	A	B
854-12933	Brass	11/16"	7/8"
854-12798	Brass	5/8"	7/8"

Strikers

Part Number	Color
854-16175	Black

Plastic striker

Part Number	Color
854-16176	Black

Short striker cup. 22.6 mm for shoot bolts

Part Number	Color
854-16177	Black

Long striker cup. 30 mm for shoot bolts

Screws for Lever Handle Sets

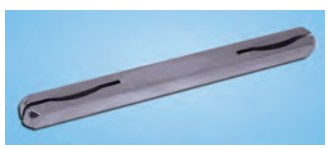
M5 X 55mm		M5 X 65mm		M5 X 70mm		M5 X 80mm	
Part Number	Finish	Part Number	Finish	Part Number	Finish	Part Number	Finish
854-13710	Satin Chrome	854-13726	Satin Chrome	854-13739	Satin Chrome	854-13750	Satin Chrome
854-13711	Polished Brass	854-13728	Polished Brass	854-13741	Polished Brass	854-13752	Polished Brass
854-13713	Antique Brass	854-13729	Antique Brass	854-13742	Antique Brass	854-13753	Antique Brass
854-13714	Oil Rubbed Bronze	854-13730	Oil Rubbed Bronze	854-13743	Oil Rubbed Bronze	854-13754	Oil Rubbed Bronze
854-13721	Dark Bronze	854-13735	Dark Bronze	854-13747	Dark Bronze	854-13758	Dark Bronze
854-13722	Pewter	854-13736	Pewter	854-13748	Pewter	854-13759	Pewter

Set Screw

Part Number	Color
854-14048	Zinc

M5 x 6 Set Screw

Spindle



Part Number	Color
854-14112	Zinc

8 x 8 x 1300 mm Spindle

Cylinders

Part Number	Color
854-15765	Zinc
854-15766	Brass
854-15767	Dark Bronze

Cylinder with 52 mm tail

Part Number	Color
854-15768	Zinc
854-15769	Brass
854-15770	Dark Bronze

Cylinder with 64 mm tail

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AMESBURY MULTIPOINT HARDWARE SWING DOOR QUESTIONNAIRE

Acct. #: _____ Date: _____

Customer Name: _____ Phone: _____

Address: _____ Fax: _____

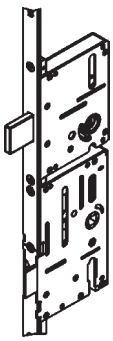
_____ E-mail: _____

1. Door Type: ❑ Wood ❑ PVC ❑ Fiberglass ❑ Aluminum
2. Door Style: ❑ Single ❑ Double/ French* (Fill out separate form for each door)

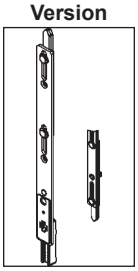
   *If door has Astragal, what is the thickness? _____
3. Door Thickness: _____
4. Hole spacing between handle and key cylinder: ❑ 3-5/8" (92mm) Standard ❑ Other
5. The mortise gear box has an insert to accept a tailpiece.
6. **HANDLE HEIGHT:** What is the distance from the center of the handle down to the horizontal edge of the door (36" Standard)? _____
7. **BACKSET:** What is the distance from the **center** of the handle to the door **edge** (edge with the latch and deadbolt on it)?

   ❑ 1-3/8" (35mm) ❑ 1-3/4" (45mm) ❑ 2-3/8" (60mm)
8. Faceplate Width: ❑ 5/8" (16mm) ❑ 25/32" (20mm)
9. Door Panel Height: _____
10. Based on the pictures shown below, please put an "X" by your Amesbury Multipoint System:

❑ **Premier 3000 (Key Above Handle)**



❑ **Active: 3-point Shootbolt Version**

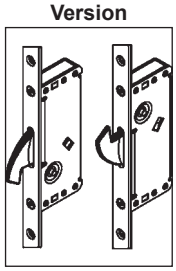


(1) Deadbolt (1" Throw)
(2) Shootbolts (20mm Throw)

❑ **Active: 3-point Tongue Version**

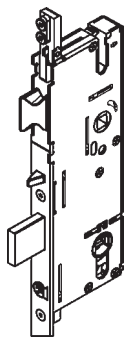
(1) Deadbolt (1" Throw)
(2) Tongues

❑ **Active: 3-point Rhino Version**

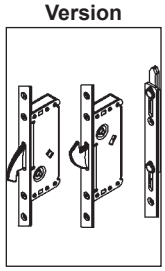


(1) Deadbolt (1" Throw)
(2) Rhino Hooks

❑ **Premier 2000 (Key Below Handle)**

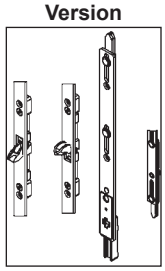


❑ **Active: 4-point Rhino/ Shootbolt Version**



(1) Deadbolt (1" Throw)
(1) Shootbolts (20mm Throw)
(2) Rhino Hooks

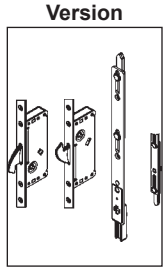
❑ **Active: 5-point Tongue /Shootbolt Version**



(1) Deadbolt (1" Throw)
(2) Shootbolts (20mm Throw)
(2) Tongues

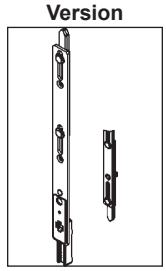
❑ **Premier 1000 (Key Below Handle)**

❑ **Active: 5-point Rhino/ Shootbolt Version**



(1) Deadbolt (1" Throw)
(2) Shootbolts (20mm Throw)
(2) Rhino Hooks

❑ **Inactive: 2-point Shootbolt Version**



(2) Shootbolts (20mm Throw)

11. Top Tongue Position (measured from the center of the handle to the center of the top tongue):

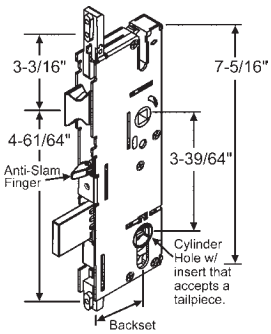
    ❑ 18-59/64" (480.5mm) ❑ 26-25/64" (670.4mm) ❑ 32-57/64" (835.55mm)
12. Bottom Tongue Position (measured from the center of the handle to the center of the bottom tongue):

    ❑ 26-27/64" (671mm)
13. Top Rhino Hook Position (measured from the center of the handle to the center of the top hook):

    ❑ 14-15/32" (367.5mm) ❑ 27-15/32" (697.7mm) ❑ 40-15/32" (1028mm)
14. Bottom Rhino Hook Position (measured from the center of the handle to the center of the bottom hook):

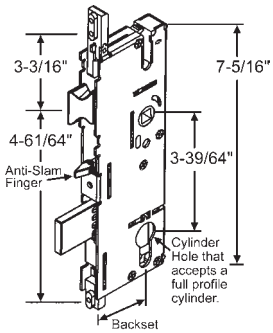
    ❑ 24-7/8" (631.7mm)

SINGLE POINT MORTISE GEAR BOX AND ACCESSORIES



Part Number	Backset
56-243	35mm
56-207	45mm

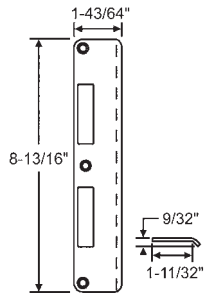
5/8" Case Width &
1" Deadbolt Throw



Part Number	Backset
56-244	35mm
56-245	45mm

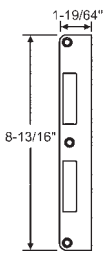
5/8" Case Width &
1" Deadbolt Throw

Latch & Deadbolt Strikes

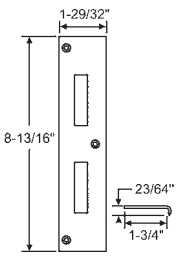


56-232SS
Brushed Stainless Steel

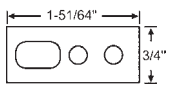
Shootbolt Strikes



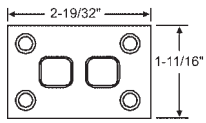
56-233SS
Brushed Stainless Steel



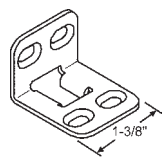
56-234SS
Brushed Stainless Steel



56-235SS
Single Shootbolt. Stainless Steel

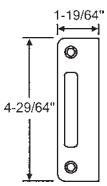


56-236SS
Double Shootbolt. Stainless Steel



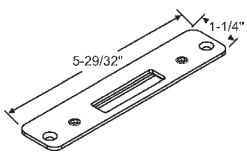
56-237SS
Corner Shootbolt. Brushed Stainless Steel

Tongue Strike

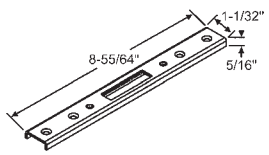


56-238SS
Brushed Stainless Steel

Adjustable Strikes

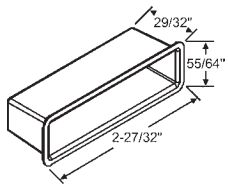


56-241SS
Flat Style. Stainless Steel



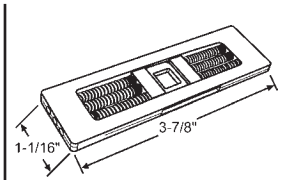
56-242SS
Formed Style. Stainless Steel

Dust Cap



56-240

Spring Cassette

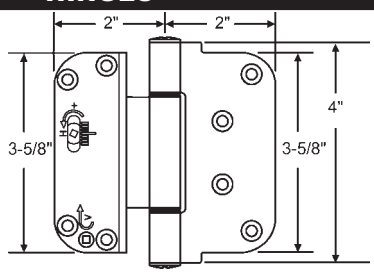


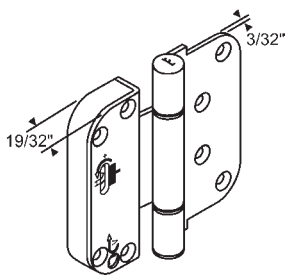
56-221
Stainless Steel

HINGES

FEATURES AND BENEFITS

- Non-Handed Design Reduces Inventory
- Both Vertically and Horizontally Adjustable
  Horizontal Adjustment ± .156
  Vertical Adjustment ± .200
- Vertical Adjustment in Each Hinge Allows for Heavier Panels
- Adjusts with a Standard #2 Square Drive.
- Square Drive Prevents Stripping Over Phillips or Slotted
- Secure Out-Swing Non-Removable Pin Hinges Available
- Fits Common Fabrication within the Industry
- Screws Sold Separately (#20-801-Color)





Part Number	Finish	Material	Pin
56-155B	Black	Steel	Removable
56-155CRBZ	Craftsman Bronze	Steel	Removable
56-155DOBZ	Dark Oil Rubbed Bronze	Steel	Removable
56-155SNK	Satin Nickel PVD	Steel	Removable
56-440SNK	Satin Nickel PVD	Brass	Removable
56-440PB	Solid Brass PVD	Brass	Removable
56-156B	Black	Steel	Non-Removable
56-156CRBZ	Craftsman Bronze	Steel	Non-Removable
56-156DOBZ	Dark Oil Rubbed Bronze	Steel	Non-Removable
56-440SNK-NRP	Satin Nickel PVD	Brass	Non-Removable
56-440PB-NRP	Solid Brass PVD	Brass	Non-Removable

Screws Only

Screw Size	Finish	Part Number
#8-32 x 3/4"	Antique Brass	20-801-75AB
#8-32 x 3/4"	Stainless Steel	20-801-75SS
#8-32 x 3/4"	Wet White	20-801-75WW
#8-32 x 3/4"	Black	20-801-75BLK
#8-32 x 3/4"	Vision Tan	20-801-75VT
#8-32 x 3/4"	Satin White	20-801-75SW
#8-32 x 3/4"	Craftsman Bronze	20-801-75ORB
#8-32 x 2"	Wet White	20-801-200WW
#8-32 x 2"	Black	20-801-200BLK
#8-32 x 2"	Craftsman Bronze	20-801-200ORB
#8-32 x 2"	Antique Brass	20-801-200AB
#8-32 x 3"	Solid Brass PVD	20-801-300PB
#8-32 x 3"	Antique Brass	20-801-300AB
#8-32 x 3"	Stainless Steel	20-801-300SS
#8-32 x 3"	Wet White	20-801-300WW
#8-32 x 3"	Black	20-801-300BLK

Philips Flat Head

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AmesburyTruth

MULTIPOINT LOCK

TRU-LOCK Multipoint LOCK SOLUTION FOR ENTRY DOORS

Convert Your Single Point Dead Bolt into a Multipoint Locking System

56-161

Multipoint Lock Conversion Kit
Includes 2 Stainless Steel Strikes, Screws & Instructions

- Excellent Retro Fit for Schlage, Kwikset, Wiser
- Increased Home Security - Capable of Grade 40 per ASTM F476
- Compatible with top brand handle hardware allowing consumer wide selection of decorative handle choices
- Very intuitive function for homeowner - operates the same as standard deadbolts today
- Constructed from stainless steel and composite materials
- Works on steel, fiberglass, aluminum and wood doors
- Works with both standard 2-3/8" and 2-3/4" double bore backsets
- Easy installation, instructions included

Kit Plate Cover

Kit Plate Cover Comes with 2 Strikes, Multipoint Plate and all necessary Screws

Part #	Finish
56-162	Brass
56-163	Oil Rubbed Bronze

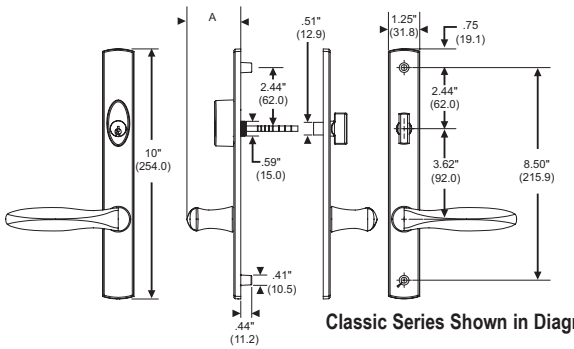
TRU - LOCK FABRICATION TEMPLATE

56-153

Tools provided in Amesbury installation kit:

(A) *Door router fixture #56-153-1,* **(B)** *Door frame router fixture #56-153-2,* **(C)** *1/2" Router bit with top guide bearing,* **(D)** *1/4" Router bit,* **(E)** *Centering clamp,* **(F)** *1/4" X 2-1/2" Flathead bolt and 1/4" Wing Nut,* **(G)** *Assorted deadbolt strike plugs,* **(H)** *Door stops,* **(I)** *# 6 x 1-1/4" Flathead screws,* **(J)** *# 8 x 1-5/8" Sheetrock screws* **(K)** *Wood cover plates*

TRUTH'S SENTRY™ MULTIPOINT HANDLE SETS FOR 1-3/4" THICK DOORS



Classic Series Shown in Diagram

Handle Type	A
Transitional	2.26"
Traditional	2.45"
Contemporary	2.05"
Modern	2.33"
Classic	2.16"

Finishes

Antique Brass

PVD Brushed Chrome

PVD Chrome

PVD Brass

PVD Bronze

PVD Nickel

White

Beige

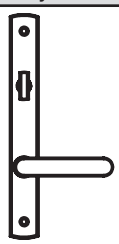
Faux Bronze

Black

Handle Styles

Transitional

Traditional


Contemporary

Modern

Classic

Style	Function	Antique Brass	PVD Brushed Chrome	PVD Chrome	PVD Brass	PVD Bronze	PVD Nickel	Faux Bronze	Black	White	Beige
Transitional	Active	857-10183	857-10213	857-10207	857-10204	857-10210	857-10192	857-10201	857-10198	857-10189	857-10186
	Inactive	857-10182	857-10212	857-10206	857-10203	857-10209	857-10191	857-10200	857-10197	857-10188	857-10185
	Dummy	857-10184	857-10214	857-10208	857-10205	857-10211	857-10193	857-10202	857-10199	857-10190	857-10187
Traditional	Active	857-10216	857-10249	857-10243	857-10240	857-10246	857-10225	857-10235	857-10231	857-10222	857-10219
	Inactive	857-10215	857-10248	857-10242	857-10239	857-10245	857-10224	857-10233	857-10230	857-10221	857-10218
	Dummy	857-10217	857-10250	857-10244	857-10241	857-10247	857-10226	857-10237	857-10232	857-10223	857-10220
Contemporary	Active	857-10252	857-10279	857-10273	857-10270	857-10276	857-10259	857-10016	857-10265	857-10018	857-10255
	Inactive	857-10251	857-10278	857-10272	857-10269	857-10275	857-10258	857-10015	857-10264	857-10017	857-10254
	Dummy	857-10253	857-10280	857-10274	857-10271	857-10277	857-10260	857-10268	857-10266	857-10257	857-10256
Classic	Active	857-10282	857-10314	857-10308	857-10305	857-10311	857-10291	857-10298	857-10020	857-10288	857-10285
	Inactive	857-10281	857-10313	857-10307	857-10304	857-10310	857-10290	857-10296	857-10021	857-10287	857-10284
	Dummy	857-10283	857-10315	857-10309	857-10306	857-10312	857-10292	857-10301	857-10019	857-10289	857-10286
Modern	Active	857-10317	857-10350	857-10344	857-10341	857-10347	857-10326	857-10336	857-10332	857-10323	857-10320
	Inactive	857-10316	857-10349	857-10343	857-10340	857-10346	857-10325	857-10334	857-10331	857-10322	857-10319
	Dummy	857-10318	857-10351	857-10345	857-10342	857-10348	857-10327	857-10339	857-10333	857-10324	857-10321

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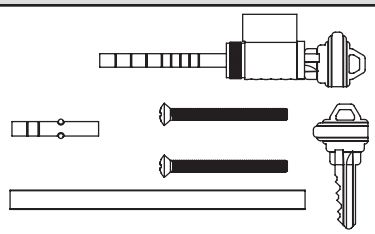
TRUTH'S SENTRY™ MULTIPOINT HANDLE SETS ACCESSORIES

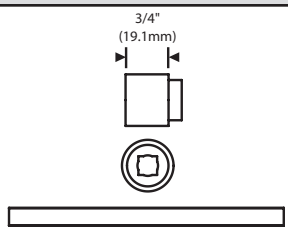
Conversion Kit



Part Number	Finish
857-10145	Antique Brass
857-10146	Beige
857-10147	White
857-10148	PVD Nickel
857-10150	Black
857-10151	Faux Bronze
857-10152	PVD Brass
857-10153	PVD Chrome
857-10154	PVD Bronze
857-10155	PVD Brushed Chrome

2-1/4" Door Conversion Kit

Door Handle Extension Kit



For 1-3/4" Door Thickness

Part Number	Finish
857-10123	Antique Brass
857-10124	Beige
857-10125	White
857-10126	PVD Nickel
857-10128	Black
857-10129	Faux Bronze
857-10130	PVD Brass
857-10131	PVD Chrome
857-10132	PVD Bronze
857-10133	PVD Brushed Chrome

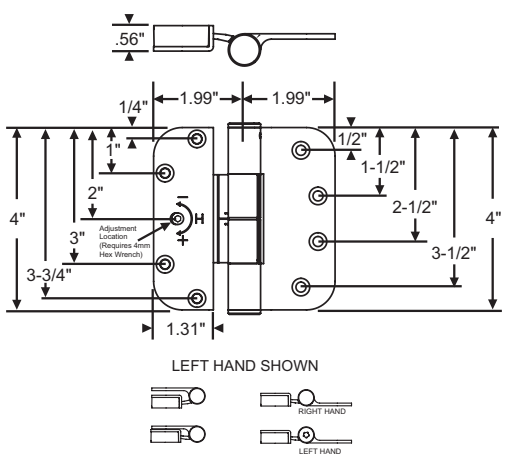
For 2-1/4" Door Thickness

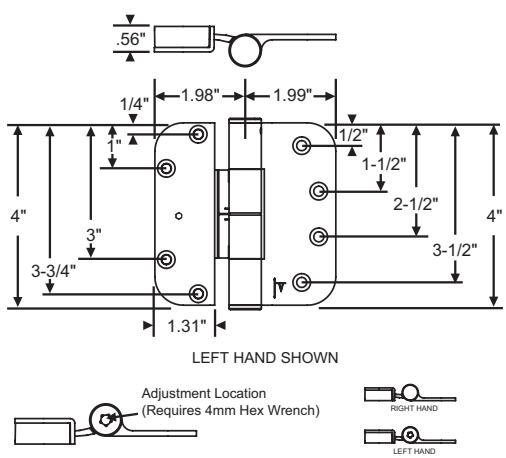
Part Number	Finish
857-10134	Antique Brass
857-10135	Beige
857-10136	White
857-10137	PVD Nickel
857-10139	Black
857-10140	Faux Bronze
857-10141	PVD Brass
857-10142	PVD Chrome
857-10143	PVD Bronze
857-10144	PVD Brushed Chrome

TRUTH'S SENTRY™ ADJUSTABLE HINGES

Engineered for maximum strength and security, Sentry Hinges exceed ANSI grade 3 requirements for doors weighing up to 220 lbs. Sentry Hinges exceed ANSI grade 1 impact specifications. Sentry Hinges are made of extruded brass and extruded aluminum that provides superior strength and corrosion resistance. Sentry Hinges provided with non-removable pins for maximum security.

- Robust, Reliable and Attractive
- Industry standard 4" x 4" with 5/8" radius corner
- Both Guide and Set Hinges take a 5/32" hex wrench
- Guide Hinge has a 11/64" adjustment and Set Hinge has a 1/4" adjustment
- Extruded brass hinges are provided in decorative finishes including PVD
- Extruded aluminum hinges are available in powder coated painted finishes
- Composite bushings provide noise-free operation





Extruded Brass Guide Hinges - Plated

Hand	Antique Brass	PVD Brushed Chrome	PVD Chrome	PVD Brass	PVD Bronze	PVD Nickel
LH	857-10352	857-10390	857-10382	857-10378	857-10386	857-10364
RH	857-10353	857-10391	857-10384	857-10379	857-10387	857-10365

Extruded Brass Set Hinges - Plated

Hand	Antique Brass	PVD Brushed Chrome	PVD Chrome	PVD Brass	PVD Bronze	PVD Nickel
LH	857-10394	857-10432	857-10424	857-10420	857-10428	857-10406
RH	857-10395	857-10433	857-10425	857-10421	857-10429	857-10407

Extruded Aluminum Guide Hinges - Painted

Hand	White	Snow White	Beige	Faux Bronze	Black
LH	857-10360	857-10368	857-10356	857-10002	857-10372
RH	857-10361	857-10369	857-10357	857-10001	857-10373

Extruded Aluminum Set Hinges - Painted

Hand	White	Snow White	Beige	Faux Bronze	Black
LH	857-10402	857-10410	857-10398	857-10004	857-10414
RH	857-10403	857-10411	857-10399	857-10003	857-10415

TRUTH'S SENTRY™ MULTIPOINT SWING DOOR SYSTEM QUESTIONNAIRE

Acct. #: _____ Date: _____

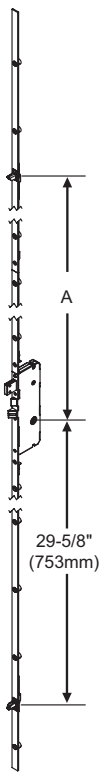
Customer Name: _____ Phone: _____

Address: _____ Fax: _____

Contact: _____ E-mail: _____

1. Choose Between 5 Active and 2 Inactive Multipoint Systems

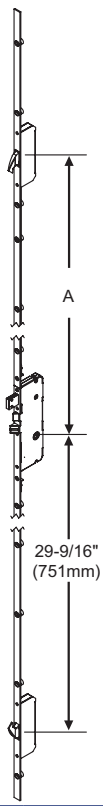
❑ 3 Point Tongue



Door	A
71"-81"	29-7/32" (742mm)
81"-89"	39-7/32" (996mm)
89"-97"	47-7/32" (1199mm)
97"-105"	53-7/32" (1352mm)
105"-113"	63-7/32" (1606mm)
113"-121"	71-7/32" (1809mm)

A= Top Tongue Position

❑ 3 Point Hook

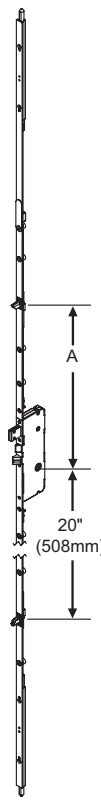


Door	A
71"-81"	29-5/32" (740mm)
81"-89"	39-5/32" (994mm)
89"-97"	47-5/32" (1198mm)
97"-105"	53-5/32" (1350mm)
105"-113"	63-5/32" (1604mm)
113"-121"	71" (1807mm)

A= Upper Hook Position

❑ 3 Point Shootbolt

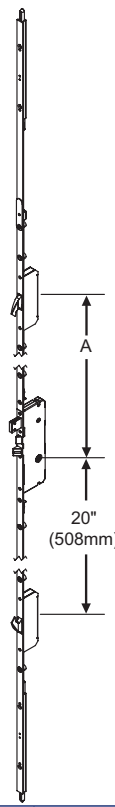
❑ 5 Point Tongue/ Shootbolt



Door	A
71"-81"	16-1/2" (343mm)
81"-97"	24-1/2" (546mm)
97"-113"	40-1/4" (1022mm)
113"-121"	48-1/4" (1225mm)

A= Top Tongue Position

❑ 5 Point Hook/ Shootbolt



Door	A
71"-81"	16-5/32" (410mm)
81"-97"	24-5/32" (614mm)
97"-113"	40-5/32" (1020mm)
113"-121"	48-5/32" (1223mm)

A= Top Hook Position

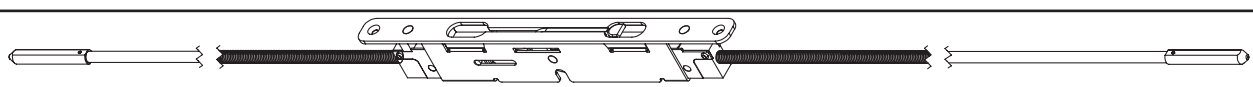
❑ 2 Point Shootbolt

All of the above locking systems have the following features:

- 36" Handle Height
- 92mm Spacing
- Latch bolts are reversible by pulling out and rotating 180°
- 1" Deadbolt & Shootbolt throw
- Thumbturn above the lever - North American design
- Independent dead bolt - secure door without engaging other locking points
- Anti slam device preventing damage to door
- Available with 16mm or 20mm face plate
- Multipoint systems are made of 300 series stainless steel

2. **FACE PLATE WIDTH:** The metal plate that runs the length of the door: ❑ 5/8" (16mm) ❑ 25/32" (20mm)
3. **BACKSET:** ❑ 1-3/8" (35mm) ❑ 1-3/4" (45mm) ❑ 2-3/8" (60mm)
4. **DOOR PANEL HEIGHT:** (Do not include sweeps): _____
5. **DOOR THICKNESS:** _____

❑ **2 Point Lever Activated Flush bolt**



Choose Backset: ❑ 24mm ❑ 26mm ❑ 30mm **Finish:** ❑ Stainless Steel ❑ Faux Bronze

Handle Height (50" is standard): _____ **Overall Door Height:** _____

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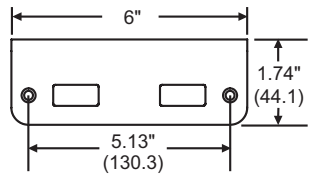
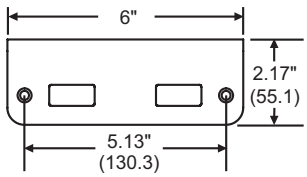
TRUTH'S SENTRY™ MULTIPOINT STRIKES

Latch/Deadbolt Strikes



Part #	Material	Finish
857-10116	Stainless Steel	Brushed
857-10173	Stainless Steel	Black
857-10175	Stainless Steel	Faux Bronze
857-10171	Stainless Steel	Beige
857-10172	Stainless Steel	White
857-10117	Solid Brass	Antique Brass
857-10177	Solid Brass	PVD Brass
857-10179	Solid Brass	PVD Bronze

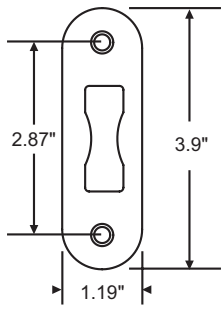
For 1-3/4" Doors



Part #	Material	Finish
857-10107	Stainless Steel	Brushed
857-10156	Solid Brass	Antique Brass
857-10158	Solid Brass	PVD Brass

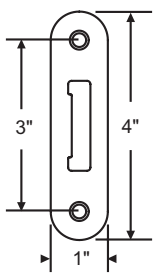
For 2-1/4" Doors

Tongue Strikes



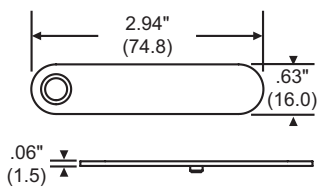
Part #	Material	Finish
857-10111	Stainless Steel	Brushed
857-10165	Stainless Steel	Black
857-10167	Stainless Steel	Faux Bronze
857-10113	Stainless Steel	Beige
857-10114	Stainless Steel	White
857-10112	Solid Brass	Antique Brass
857-10169	Solid Brass	PVD Brass
857-10170	Solid Brass	PVD Bronze

Hookbolt Strikes



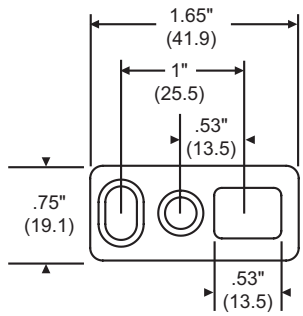
Part #	Material	Finish
857-10118	Stainless Steel	Brushed
857-10119	Solid Brass	Antique Brass
857-10180	Solid Brass	PVD Brass
857-10181	Solid Brass	PVD Bronze

Shootbolt Cover Plate



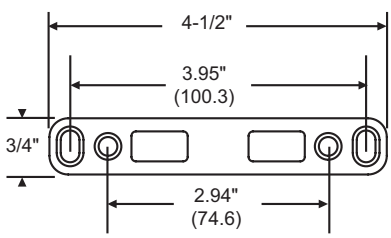
Part #	Material	Finish
857-10005	Stainless Steel	Brushed

Shootbolt Strikes

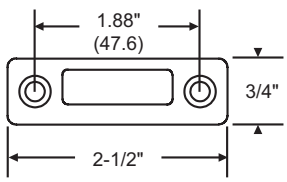


Part #	Material	Finish
857-10110	Stainless Steel	Brushed
857-10163	Stainless Steel	Faux Bronze

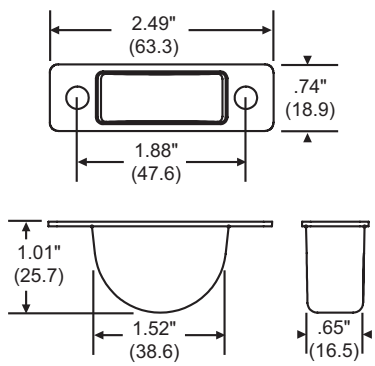
Shootbolt Strikes



Part #	Material	Finish
857-10000	Stainless Steel	Brushed
857-10161	Stainless Steel	Faux Bronze



Part #	Material	Finish
857-10109	Stainless Steel	Brushed
857-10159	Stainless Steel	Faux Bronze



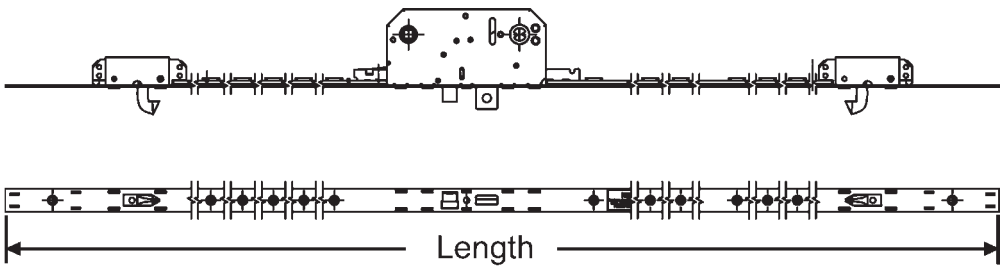
Part #	Material	Finish
857-10115	Stainless Steel	Brushed

FRENCHWOOD HINGED DOORS (1988 TO PRESENT) - 2 PANEL, 3 PANEL AND STATIONARY

Multipoint Locking Mechanisms / Current

Note: Lock mechanisms for custom sized doors are made to order. Product ID label is located on top edge of operating panel. To order, state: Description of part (Lock Mechanism, Active or Passive), Quantity and Product ID

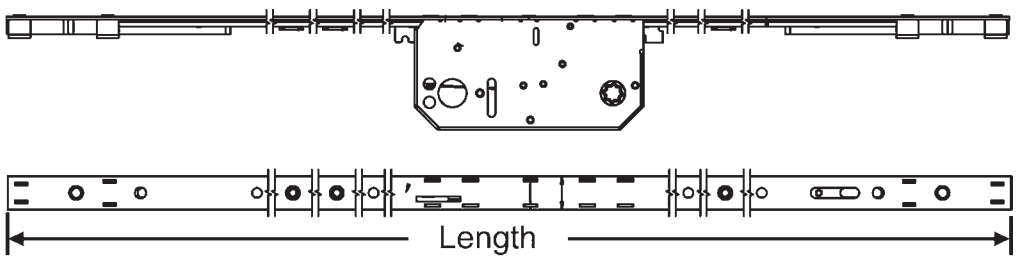
Hook Bolt Lock Mechanism - 3-Point / Stainless Steel / Active (March 2003 to Present)



Note: Stainless steel active lock mechanism replaces all previous vintage active lock mechanisms.

Part Number	Length	Door Size
56-351	76-13/32"	6' 8"
56-352	79-9/32"	6' 11"
56-363	86-13/32"	7' 6"
56-353	92-13/32"	8'

Flush Bolt Locking Mechanism - 2-Point / Stainless Steel / Passive (March 2003 to Present)



Note: Replace a stainless steel passive lock with a stainless steel passive replacement lock. This replaces all previous vintage stainless steel passive locks. Zinc dichromate lock no longer available; use stainless steel lock kit as replacement (see below).

Part Number	Length	Door Size
56-354	76-7/16"	6' 8"
56-355	79-11/32"	6' 11"
56-364	86-7/16"	7' 6"
56-356	92-7/16"	8'

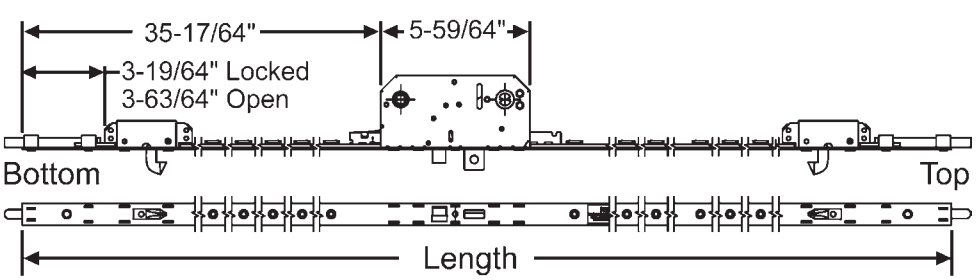
Replacement Stainless Steel Lock Kit for Passive/Zinc Dichromate Lock Mechanism (1993 to March 2003)

Note: The zinc dichromate (gold finish appearance) passive lock is no longer available. Replace with stainless steel lock kit.

Kit Includes: (1) Instruction Guide, (1) Stainless Steel Passive Lock Mechanism, (2) Hook Bolt Receivers, (2) Flush Bolt Receivers, (1) Latch Receiver Blocker

Part Number	Length	Door Size
56-360	76-7/16"	6' 8"
56-361	79-11/32"	6' 11"
56-362	86-7/16"	8'

Lock Mechanism - 5-Point / Stainless Steel (Impact Resistant) / Active



The 5-point active lock mechanism is used on double active Stormwatch™ (AP/PA) units.

Part Number	Length
56-491	76-27/64"
56-492	79-19/64"
56-493	92-27/64"

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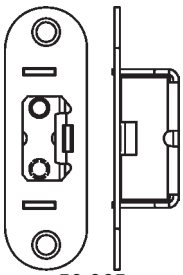
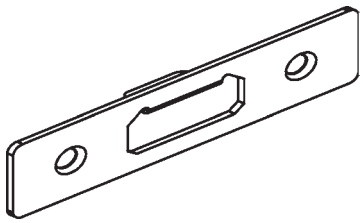
HOOK BOLT PARTS

Hook Bolt Receiver with Screws

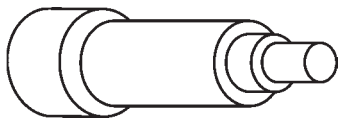


56-365
March 2003 to Present
Single SA/AS. 3-Panel

Hook Bolt Blocker



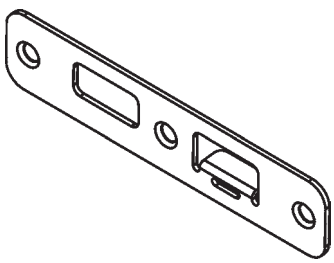
56-366
March 2003 to Present
AP/PA



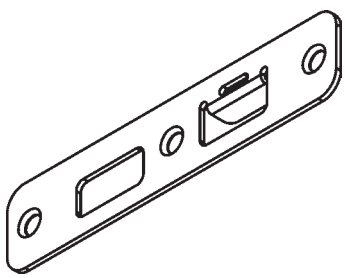
56-367
March 2003 to Present
Use with Stainless Steel Lock Mechanism

FLUSH BOLT PARTS

Flush Bolt Receiver



56-368
March 2003 to Present. Use with Stainless Steel Lock Mechanism. Head PA/Sill AP



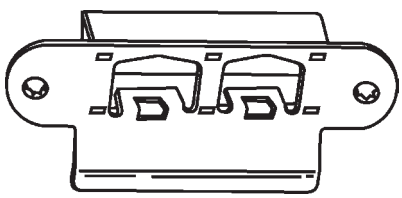
56-369
March 2003 to Present. Use with Stainless Steel Lock Mechanism. Head AP/Sill PA

Flush Bolt Screw

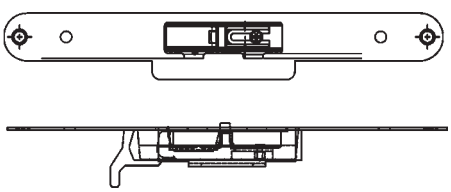
56-370
March 2003 to Present. Use with Stainless Steel Lock Mechanism. #10-12 x 3" Type 17

LATCH BOLT PARTS

Latch Bolt Receiver

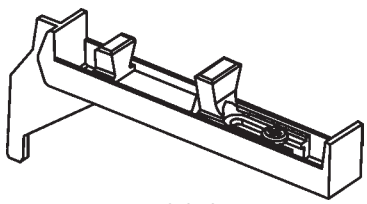


56-371
March 1990 to Present. Replaces All Previous Vintage Latch Receivers. Used on Patio Doors without a Passive Panel: AL, AR, SAR, SAL, SASL, SASR



56-372
March 2003 to Present. Replaces All Previous Vintage AP/PA Latch Receivers. Use 2003 to Present on Patio Doors with a Passive Panel: PALR, APLR.

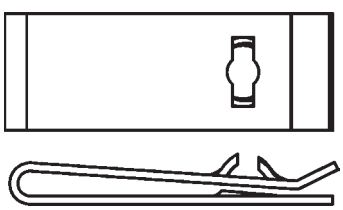
Latch Bolt Blocker



56-373
March 2003 to Present. Replaces All Previous Vintage AP/PA Latch Receivers. Use 2003 to Present on Patio Doors with Stainless Steel Lock Mechanism. Used on AP/PA Latch Bolt Receiver.

LATCH BOLT PARTS

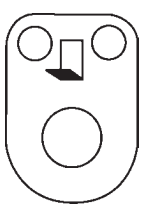
U Clip



56-374
March 2003 to Present. Use with Stainless Steel Lock Mechanism. Used on AP/PA Latch Bolt Receiver.

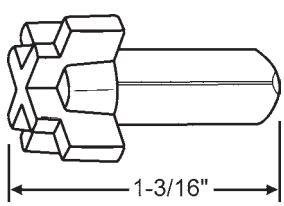
HARDWARE

Lock Limiting Plate with Tab



56-358

Lock Actuator



56-359

Lock Mechanism Screw

56-375
8-18 x 2" Type AB. Stainless Steel

COLOR SUFFIX GUIDE

Oil Rubbed Bronze	ORBZ	Antique Brass	AB
Polished Chrome	PC	Polished Brass	PB
Bright Chrome	BCH	PVD Brass	BRS
Pewter	P	PVD Satin Nickel	SNK
Dark Bronze	DBZ	Distressed Satin Nickel	DSNK
Black	B	Distressed ORB	DORBZ
White	W	Antique Nickel	AN

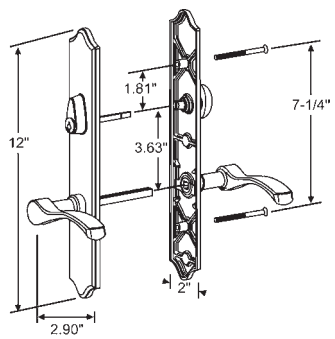
FUNCTION GUIDE

Keyed: Door sets have a cylinder on the outside backplate and a thumbturn on the interior backplate.
Non-Keyed: Door sets have only the thumbturn on the interior plate.
Passive: Door sets do not operate.

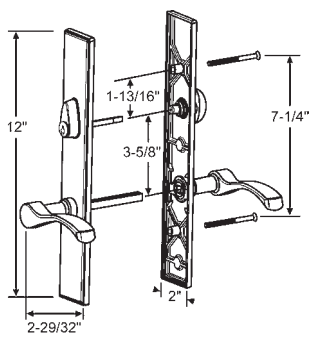
ORDERING INSTRUCTIONS: Select the proper part number from the charts below. Use the chart to the left to select your desired finish. Add the suffix at the end of the part number.
EXAMPLE: Part number 55-185 in a polished chrome finish, use part number 55-185PC

EXPRESSIONS SERIES

Expressions series trim sets are available in Oil Rubbed Bronze, Polished Chrome, Black, Antique Brass, PVD Brass, PVD Satin Nickel



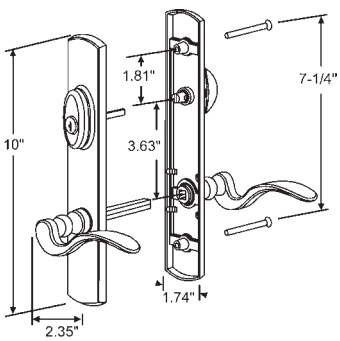
Part #	Function	Trim Set Series	Plate Size & Style	Door Size
55-185	Keyed	Expressions	12" Arch	1-3/4" - 2/14"
55-186	Passive	Expressions	12" Arch	1-3/4" - 2/14"



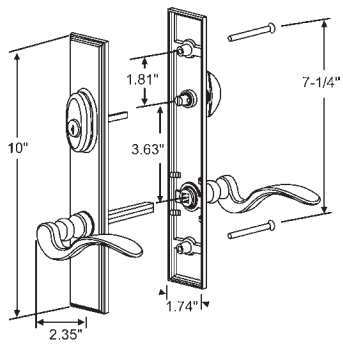
Part #	Function	Trim Set Series	Plate Size & Style	Door Size
55-147	Keyed	Expressions	12" Square	1-3/4" - 2/14"
55-142	Passive	Expressions	12" Square	1-3/4" - 2/14"

TRUE ELEGANCE SERIES

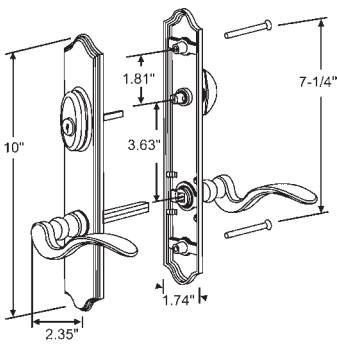
True Elegance series trim sets are available in Oil Rubbed Bronze, Polished Chrome, Bright Chrome, Pewter, Dark Bronze, Black, White, Antique Brass, Polished Brass, PVD Brass, PVD Satin Nickel, Antique Nickel



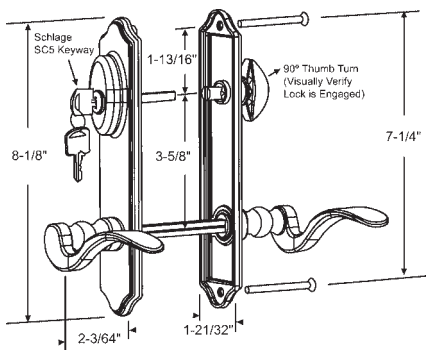
Part #	Function	Trim Set Series	Plate Size & Style	Door Size
55-203	Keyed	True Elegance	10" Half Round	1-3/4"
55-204	Passive	True Elegance	10" Half Round	1-3/4"



Part #	Function	Trim Set Series	Plate Size & Style	Door Size
55-149	Keyed	True Elegance	10" Square	1-3/4"
55-150	Passive	True Elegance	10" Square	1-3/4"



Part #	Function	Trim Set Series	Plate Size & Style	Door Size
55-211	Keyed	True Elegance	10" Arch	1-3/4"
55-212	Passive	True Elegance	10" Arch	1-3/4"
55-213	Non-Keyed	True Elegance	10" Arch	2"



Part #	Function	Trim Set Series	Plate Size & Style	Door Size
55-101	Keyed	True Elegance	8" Arch	1-3/4"
55-160	Non-Keyed	True Elegance	8" Arch	1-3/4"
55-102	Passive	True Elegance	8" Arch	1-3/4"
55-159	Keyed	True Elegance	8" Arch	2"
55-197	Passive	True Elegance	8" Arch	2"

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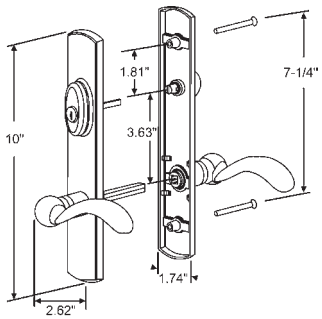
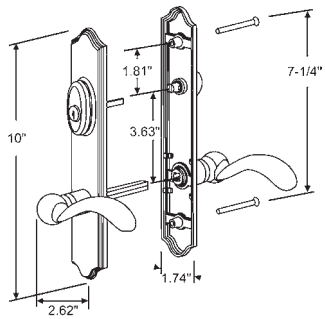
SWING DOOR HANDLE SETS

FORGINGS SERIES

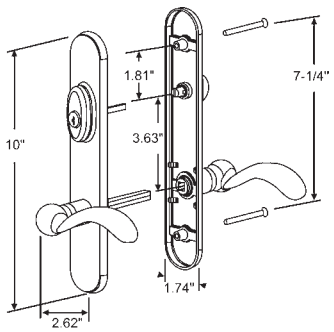


Forgings series trim sets are available in Oil Rubbed Bronze, Distressed Satin Nickel, Distressed Oil Rubbed Bronze, Antique Nickel

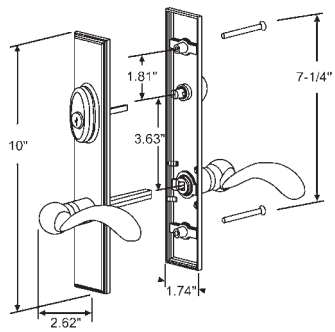


Part #	Function	Trim Set Series	Plate Size & Style	Door Size
55-201	Keyed	Forgings	10" Half Round	1-3/4"
55-202	Passive	Forgings	10" Half Round	1-3/4"

Part #	Function	Trim Set Series	Plate Size & Style	Door Size
55-209	Keyed	Forgings	10" Arch	1-3/4"
55-210	Passive	Forgings	10" Arch	1-3/4"

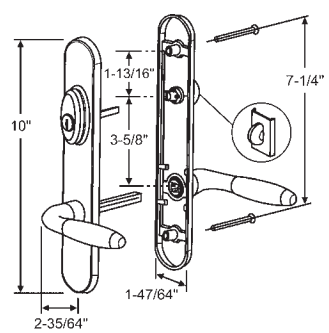


Part #	Function	Trim Set Series	Plate Size & Style	Door Size
55-207	Keyed	Forgings	10" Round	2"
55-208	Passive	Forgings	10" Round	2"
55-205	Keyed	Forgings	10" Round	1-3/4"
55-206	Non-Keyed	Forgings	10" Round	1-3/4"
55-187	Passive	Forgings	10" Round	1-3/4"

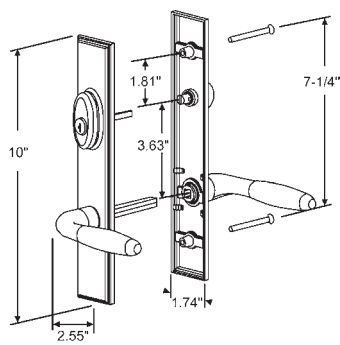


Part #	Function	Trim Set Series	Plate Size & Style	Door Size
55-214	Keyed	Forgings	10" Square	2"
55-215	Passive	Forgings	10" Square	2"
55-216	Keyed	Forgings	10" Square	1-3/4"
55-217	Passive	Forgings	10" Square	1-3/4"

EVOLUTIONS SERIES

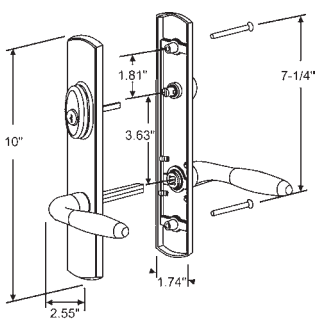


Evolutions series trim sets are available in Polished Chrome, Bright Chrome, Pewter, Black, White



Part #	Function	Trim Set Series	Plate Size & Style	Door Size
55-189	Keyed	Evolutions	10" Round	1-3/4"
55-190	Passive	Evolutions	10" Round	1-3/4"

Part #	Function	Trim Set Series	Plate Size & Style	Door Size
55-154	Keyed	Evolutions	10" Square	1-3/4"
55-155	Passive	Evolutions	10" Square	1-3/4"



Part #	Function	Trim Set Series	Plate Size & Style	Door Size
55-198	Keyed	Evolutions	10" Half Round	2"
55-199	Passive	Evolutions	10" Half Round	2"
55-122	Keyed	Evolutions	10" Half Round	1-3/4"
55-200	Non-Keyed	Evolutions	10" Half Round	1-3/4"
55-123	Passive	Evolutions	10" Half Round	1-3/4"

PIVOT TRUE V200 TWO WAY ADJUSTABLE DOOR HINGES

RH Shown

KEY FEATURES

- All hinges adjust both horizontally and vertically
- A solid brass extruded jamb wing allows for higher hinge carry capacity
- Hex head adjustment screws, not Phillips or Slotted, to provide secure tool engagement and prevent stripping during adjustment
- Stainless steel adjustment screws provide superior corrosion resistance
- An integrated hinge pin to provide security for outswing and inswing doors, and will not lift up during normal door operation

PERFORMANCE AND OPERATION

- Horizontally adjusts 1/16" further than most hinges on the market. Hinge system adjusts 1/4" vertically and horizontally
- Extremely low adjustment force by vertically adjusting the door from below, not laterally like other hinge designs
- Provides an easy-to-see indicator line for accurate vertical adjustment
- A "maintenance and noise-free" operation, even after a million cycles, by incorporating an internal polymer bushing to eliminate any metal to metal contact
- Exceeds BHMA-Grade 3 standards for wood, vinyl, aluminum and steel doors

Part Number	Hand	Finish
56-114LH	LH	Gold Powder Painted
56-114RH	RH	Gold Powder Painted
56-114LORB	LH	Oil Rubbed Bronze
56-114RORB	RH	Oil Rubbed Bronze
56-114LPB	LH	Polished Brass
56-114RPB	RH	Polished Brass
56-114LSCH	LH	Satin Chrome
56-114RSCH	RH	Satin Chrome
56-114LAB	LH	Antique Brass
56-114RAB	RH	Antique Brass
56-114LFORB	LH	Faux Oil Rubbed Bronze
56-114RFORB	RH	Faux Oil Rubbed Bronze
56-114LSNK	LH	Satin Nickel
56-114RSNK	RH	Satin Nickel

PIVOT TRUE V400 4" ADJUSTABLE DOOR HINGES

Set Hinge

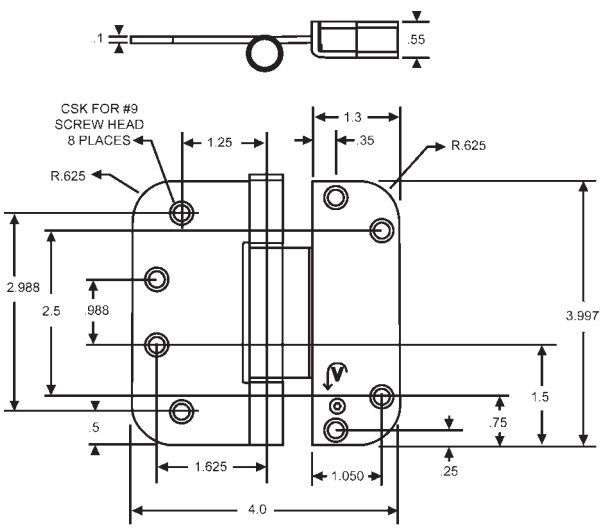
KEY FEATURES

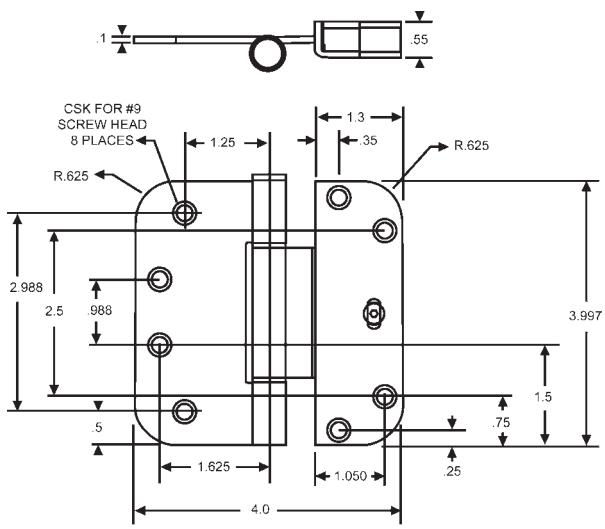
- Seamlessly retrofits a 4" X 4" one-step pocket route with 5/8" corner radius
- Hex head adjustment screws, not Phillips or Slotted, to provide secure tool engagement and prevent stripping during adjustment
- Screw hole locations optimized away from panel edge to prevent accidental wood splitting
- Panel leaf incorporates a unique shield to keep out debris and provide a premium appearance in the closed position
- Incorporates Teflon filled bushings for increased wear resistance
- Non-removable pin (NRP) option available for secure out-swing applications

PERFORMANCE AND OPERATION

- Adjusts 1/4" vertically and 3/16" horizontally
- Easily reversible for either left or right-hand hinge applications
- Innovative, patent-pending adjustment mechanism achieves extremely low adjustment torque with a standard 3/32" hex wrench
- Exceeds BHMA - grade 3 standards for wood, vinyl, aluminum and steel doors.

Guide Hinge





Part Number	Hinge Type	Material	Finish
56-125PB	Guide (Horizontal)	Brass	Bright Brass
56-125P	Guide (Horizontal)	Brass	Pewter
56-125ORBZ	Guide (Horizontal)	Brass	Oil Rubbed Bronze
56-125SCH	Guide (Horizontal)	Brass	Brushed Chrome
56-126PB	Set (Vertical)	Brass	Bright Brass
56-126P	Set (Vertical)	Brass	Pewter
56-126ORBZ	Set (Vertical)	Brass	Oil Rubbed Bronze
56-126SCH	Set (Vertical)	Brass	Brushed Chrome
56-125SS	Guide (Horizontal)	Stainless Steel	Stainless Steel
56-126SS	Set (Vertical)	Stainless Steel	Stainless Steel

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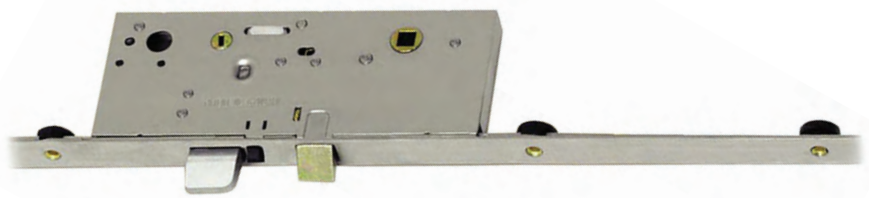
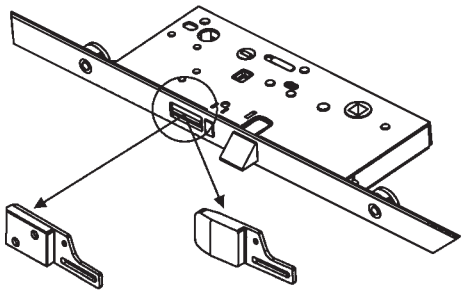
SENTINEL MULTIPOINT SWING DOOR LOCK SYSTEM

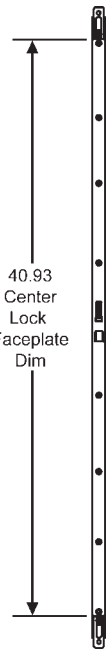
Facemount Active Lock Versions





56-100
Welded Steel
Deadbolt

56-185
Powdered Metal
Deadbolt

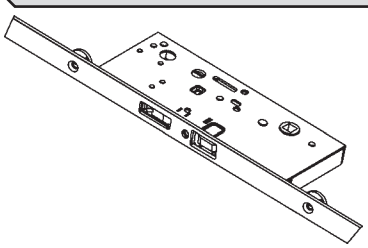


KEY FEATURES
- Made from the finest 300 series stainless steel for superior corrosion resistance
- Incorporates the "Baby-Sitter Effect" that allows the consumer to operate the dead bolt and extension bolts independently of each other, eliminating the necessity for the consumer to lift the lever handle and engage the shoot bolts before activating the dead bolt
- Incorporates an "Anti-Slam" device that prevents the lock bolts from extending until the door is in the closed position, eliminating the potential for door frame damage by the consumer
- The shoot and dead bolts extend a full one-inch to meet the highest levels of structural testing, and meets most local building codes

PERFORMANCE AND SECURITY
- Mechanism has anti-backdrive provisions on the deadbolt and shoot bolts to help prevent tampering
- The extension bolt incorporates the necessary lead-in to provide significant pull-in of the door (Concealed Lock has .290" of pull-in/Face mounted has .136" of pull-in)
- More consumer friendly to lock the shoot bolts and open the door, requiring only 35° of handle rotation
- Robust and durable handle return spring design to prevent handle sag over time
- The handle is locked out when multipoint is in its locked position
- Withstands abusive torques of over 500 lbs
- Lab tested to over 50,000 cycles

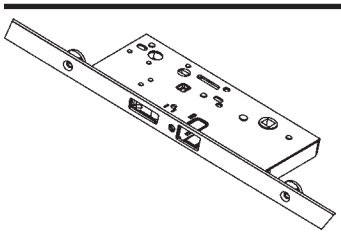
MANUFACTURING FLEXIBILITY AND EASE
- The lock unit is one of the easiest and quickest to reverse the direction of the latch
- The very modular design gives flexibility to accommodate a variety of door sizes and options
- Lock has 2 3/8" backset
- Spacer standoffs are utilized to prevent the lock system from binding when mounting screws are accidentally over tightened
- A simple one step route profile for easier fabrication
- Easy peg-hole connection for quick installation

Facemount Passive Locks



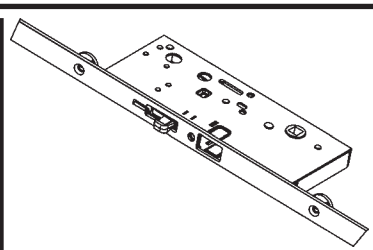
56-100P

- Mortise type (no astragal)
- Has deadbolt communication with the active panel lock
  When shoot bolts are extended and the active deadbolt is fully extended, the passive lock shoot bolts cannot be retracted. This prevents the homeowner from opening the passive panel with active deadbolt extended, which might damage the panel. Prevents active lock deadbolt from extending unless the passive shoot bolts are extended. Tells the homeowner to lock the passive panel first.
- Has latch communication with the active panel lock
  If the active deadbolt has not been engaged, when passive lock shoot bolts are extended and the active lock latch is fully extended, the passive lock shoot bolts cannot be retracted. This prevents the homeowner from opening the passive panel first, which might damage the panel.
  Blocks active lock latch from full engagement into passive lock unless the passive shoot bolts are extended. Prevents damage to panels should passive panel be opened first and tells the homeowner to lock the passive panel first.



56-480

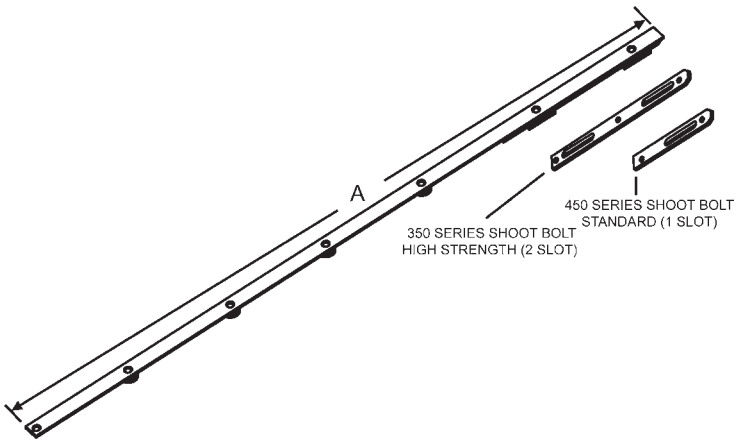
- After shoot bolt extension, it has a thumb turn mechanism to manually lock the passive shoot bolts in the extended position.
- Requires a passive trimset that has a thumb turn.
- Has deadbolt communication like above if the astragal is thin enough to allow the deadbolt to engage the blocker. However, this is typically used for thicker astragal applications with no communication with the active lock.



56-481

- Communication with active lock deadbolt through a 5/8" thick astragal.
- No latch communication.

SENTINEL MULTIPOINT SWING DOOR LOCK SYSTEM



Item Number	Series	Description	A
56-103-2	350/450	Lower Extension for Handle at 36"	17.595"
56-485-2B	350	Upper Extension	18.393"
56-485-2D	350	Upper Extension	18.674"
56-485-2F	350	Upper Extension	19.786"
56-485-2G	350	Upper Extension	20.454"
56-485-2K	350	Upper Extension	24.767"
56-485-2O	350	Upper Extension	34.392"
56-485-2R	350	Upper Extension	36.767"
56-485-2C	350	Upper Extension	18.455"
56-485-2I	350	Upper Extension	21.455"
56-485-2P	350	Upper Extension	34.454"
56-485-2A	350	Upper Extension	17.768"
56-485-2N	350	Upper Extension	33.768"
56-485-2H	350	Upper Extension	21.390"
56-485-2L	350	Upper Extension	25.390"
56-485-2S	350	Upper Extension	37.390"
56-485-2	350	Upper Extension	17.039"
56-485-2E	350	Upper Extension	19.039"
56-485-2J	350	Upper Extension	23.038"
56-485-2M	350	Upper Extension	33.042"
56-485-2Q	350	Upper Extension	35.041"
56-485-1B	450	Upper Extension	18.393"
56-485-1D	450	Upper Extension	18.674"
56-485-1F	450	Upper Extension	19.786"
56-485-1G	450	Upper Extension	20.454"
56-485-1K	450	Upper Extension	24.767"
56-485-1O	450	Upper Extension	34.392"
56-485-1R	450	Upper Extension	36.767"
56-485-1C	450	Upper Extension	18.455"
56-485-1I	450	Upper Extension	21.455"
56-485-1P	450	Upper Extension	34.454"
56-485-1A	450	Upper Extension	17.768"
56-485-1N	450	Upper Extension	33.768"
56-485-1H	450	Upper Extension	21.390"
56-485-1L	450	Upper Extension	25.39"
56-485-1S	450	Upper Extension	37.39"
56-485-1	450	Upper Extension	17.039"
56-485-1E	450	Upper Extension	19.039"
56-485-1J	450	Upper Extension	23.038"
56-485-1M	450	Upper Extension	33.042"
56-485-1Q	450	Upper Extension	35.041"

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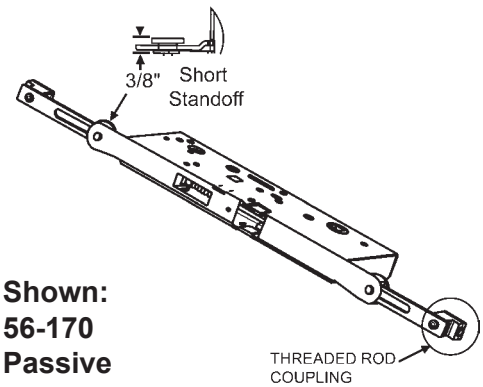
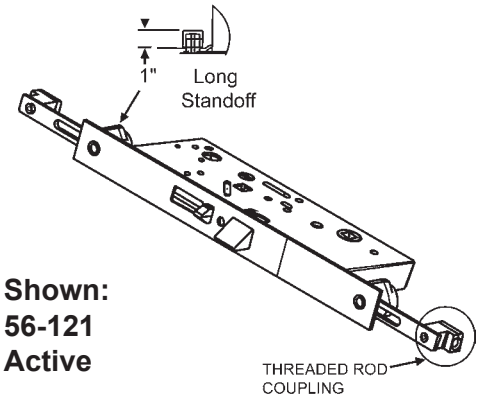
60MM CONCEALED MULTIPOINT SWING DOOR LOCK SYSTEM



Shown:
56-170
Passive

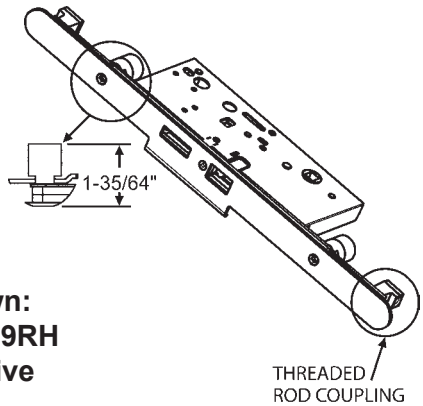


Shown:
56-121
Active

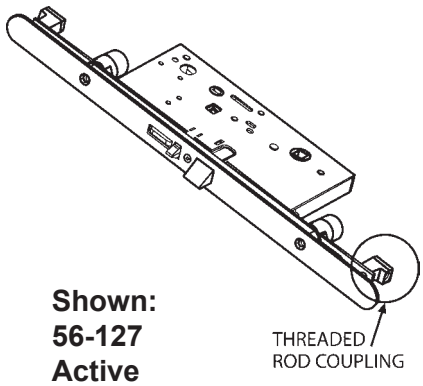
Part #	Version	Backset	Coupling Thread	Standoff	Faceplate Attached
56-121	Active	60mm	1/4-20	Long	Yes
56-151	Active	60mm	1/4-20	Short	No
56-175*	Active	60mm	5/16-18	Short	No
56-170	Passive	60mm	1/4-20	Short	No
56-122	Passive	60mm	1/4-20	Long	Yes

*** Used Exclusively by PGT**

70MM CONCEALED MULTIPOINT SWING DOOR LOCK SYSTEM WITH FACEPLATE



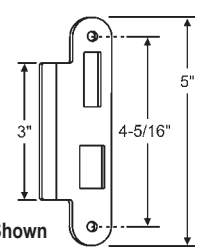
Shown:
56-479RH
Passive



Shown:
56-127
Active

Part Number	Version	Backset	Coupling Thread	Faceplate Attached
56-127	Active	70mm	1/4-20	Yes
56-479RH	Passive, RH	70mm	1/4-20	Yes
56-479LH	Passive, LH	70mm	1/4-20	Yes

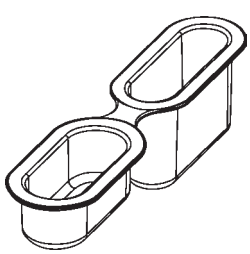
LOCK OPTIONS FOR FACE MOUNT AND CONCEALED MULTIPOINT LOCKS



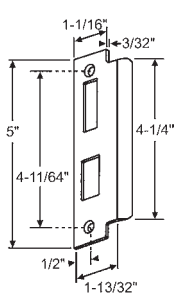
LH Shown

Part #	Finish	Hand
56-116	Stainless Steel	LH
56-117	Stainless Steel	RH
56-116PB	Polished Brass	LH
56-117PB	Polished Brass	RH
56-116ORB	Oil Rubbed Bronze	LH

Strike

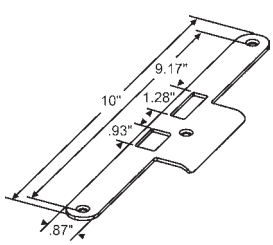


56-138
Jamb Basket



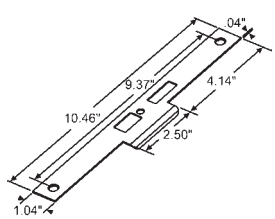
Part #	Hand
56-192RH	RH (shown)
56-192LH	LH

Strike



Part #	Hand
56-450SS-RH	RH (shown)
56-450SS-LH	LH

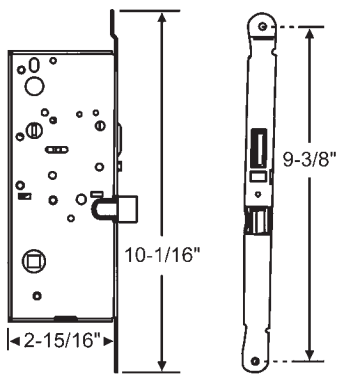
Strike



Part #	Hand
56-450SS-RH	RH (shown)
56-450SS-LH	LH

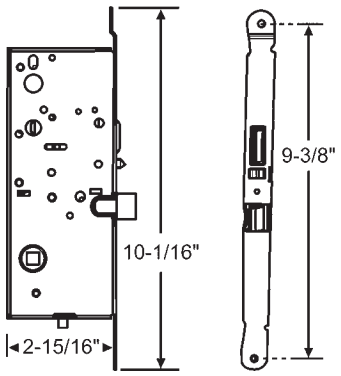
Strike

SINGLE & MULTIPOINT MORTISE LOCKS



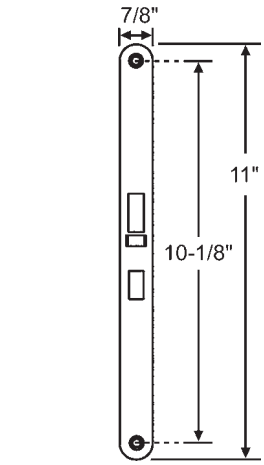
Part #	Description
56-109	For Single Point - No Rod Coupling (Shown)

Mortise Locks for 59-110 Face Plate



Part #	Description
56-377	For Multipoint with Rod Coupling

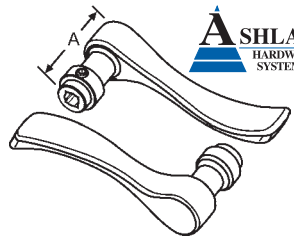
Mortise Locks for 59-110 Face Plate



56-110

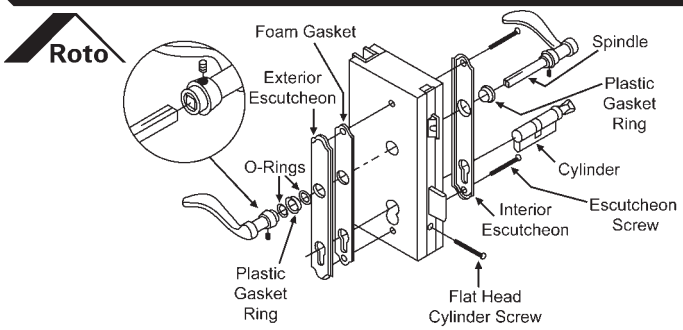
Face Plate for 56-109 & 56-377 Mortise Locks

SWING DOOR HANDLE



Part #	Description	"A" Dim
56-197S-ORBZ	Short ORB	1-63/64"
56-197S-CH	Short Chrome	1-63/64"
56-197S-B	Short Black	1-63/64"
56-197S-AB	Short Antique	1-63/64"
56-197S-BRS	Short PVD Brass	1-63/64"
56-197S-SNK	Short PVD Satin Nickel	1-63/64"
56-197T-ORBZ	Tall ORB	2-33/64"
56-197T-CH	Tall Chrome	2-33/64"
56-197T-B	Tall Black	2-33/64"
56-197T-AB	Tall Antique	2-33/64"
56-197T-SNK	Tall PVD Satin Nickel	2-33/64"

SWING DOOR HANDLE SETS



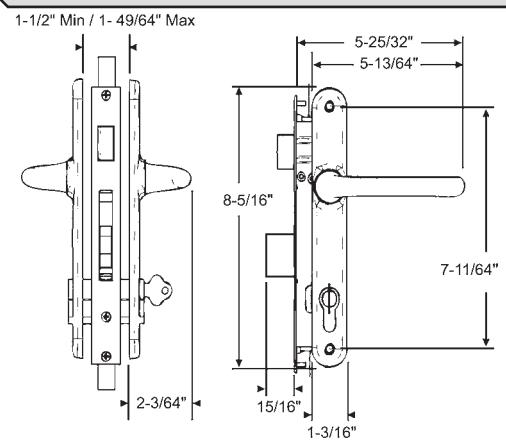
Active Lever Handle Set (Shown) Thumb Turn w/Key

Part #	Finish
55-111BC	Brushed Chrome
55-111CP	Chrome Plated
55-111W	White

Dummy Lever Handle Set No Thumb Turn, No Key

Part #	Finish
55-157AB	Antique Brass
55-157BC	Brushed Chrome
55-157CP	Chrome Plated
55-157W	White

MILLTON 2-POINT LOCKSETS



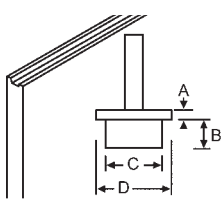
Through innovative design, combined with rigorous testing, comes the comprehensive range of Interlock Millton narrow stile, mortise lever locks. Attractive, durable, easy to install and operate, Millton fits a wide range of applications, and is the perfect complement to today's architecture.

Features:

- Standard 2-Point
- Complete lockset without striker, and 30mm backset
- Stylish Verona handle
- C4 keyway (standard 5-pin)
- Concealed fixing on external escutcheon plate.
- Latch is deadlocked by key

Part #	Description
55-100W	White (Inside & Out)
55-100SCH	Satin Chrome (Inside & Out)
55-100WSCH	White (Inside) & Satin Chrome (Outside)

EUROGROOVE STEPPED ROUTER BITS



SBI #	MFG.	A	B	C	D
59-69S	Schlegel	1/8"	1/4"	3/4"	1"
59-69T	Truth	1/8"	13/32"	9/16"	51/64"
59-69GU	GU	3/32"	3/8"	31/64"	21/32"
59-69R	Roto-Frank	3/32"	23/64"	31/64"	5/8"
59-69	Hoppe (16mm)	1/8"	23/64"	1/2"	5/8"
59-69W	Winkhaus/Hoppe (20mm)	3/32"	23/64"	31/64"	25/32"
59-69W-1	Winkhaus	3/32"	23/64"	31/64"	41/64"

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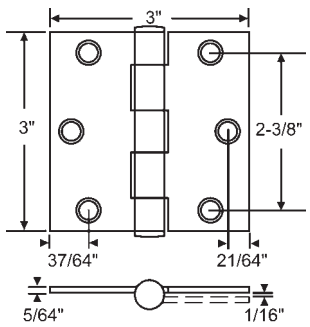
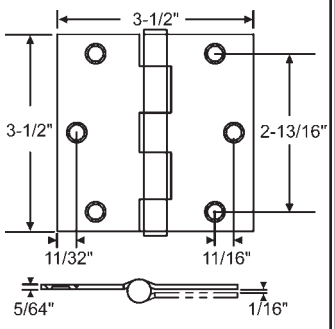
STEEL PLAIN BEARING BUTT HINGES WITH NON-RISING REMOVABLE PIN

Steel Plain Bearing Butt Hinges with Removable Pin (Non-Rising). These hinges are packed and **sold by the pairs**. All hinges supplied with flat head phillips screws.



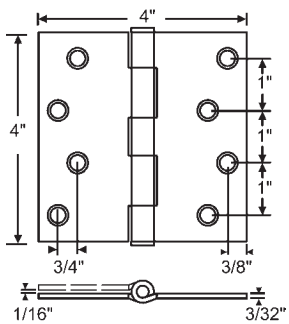
Part Number	Finish	Thickness
56-260SBRS	Satin Brass	2.0 mm

Square Corner. 3" x 3"



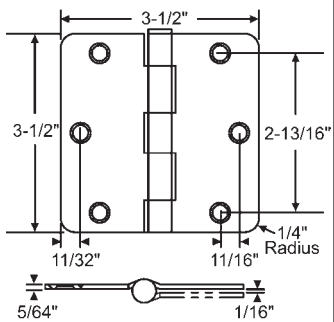
Part Number	Finish	Thickness
56-263SBRS	Satin Brass	2.2 mm
56-263SNK	Satin Nickel	2.2 mm

Square Corner. 3-1/2" x 3-1/2"



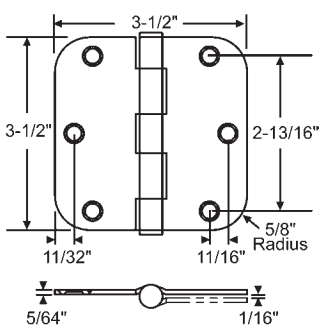
Part Number	Finish	Thickness
56-264SBRS	Satin Brass	2.5 mm
56-264SNK	Satin Nickel	2.5 mm

Square Corner. 4" x 4"



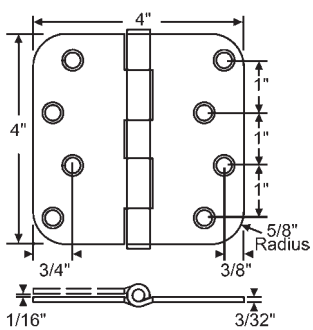
Part Number	Finish	Thickness
56-261SBRS	Satin Brass	2.2 mm

1/4" Radius. 3-1/2" x 3-1/2"



Part Number	Finish	Thickness
56-262SBRS	Satin Brass	2.2 mm
56-262SNK	Satin Nickel	2.2 mm
56-262SCH	Satin Chrome	2.2 mm

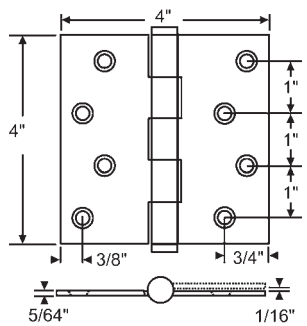
5/8" Radius. 3-1/2" x 3-1/2"



Part Number	Finish	Thickness
56-179SBRS	Satin Brass	2.5 mm
56-179SNK	Satin Nickel	2.5 mm
56-179SCH	Satin Chrome	2.5 mm

5/8" Radius. 4" x 4"

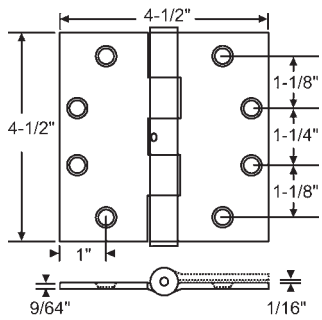
Steel Plain Bearing Butt Hinges with Non-Removable Pin (Riveted) This hinge is packed and **sold by the pairs**. All hinges are supplied with flat head phillips wood screws.



Part Number	Finish	Thickness
56-441	Zinc Plated US2	2.2 mm

Square Corner. 4" x 4"

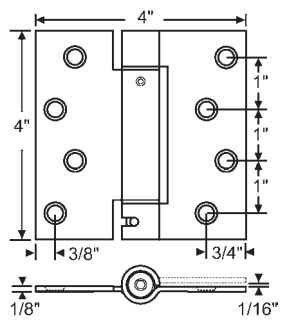
Steel Plain Bearing Butt Hinges with Non-Removable Pin These hinges are packed and **sold in sets of three**. All hinges are supplied with flat head phillips wood screws.



Part Number	Finish	Thickness
56-402SCH	Satin Chrome	3.4 mm
56-402USP	Gray Prime Coat	3.4 mm

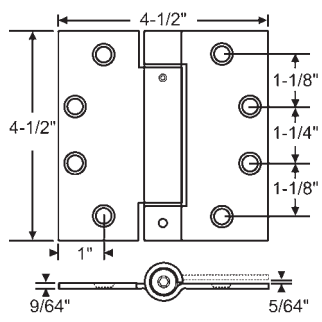
Square Corner. 4-1/2" x 4-1/2"

Steel Spring Hinges Single Action, UL Listed
These spring hinges are packed and **sold individually**. All spring hinges supplied with flat head phillips wood and machine screws, hex wrench and instructions.



Part Number	Finish	Thickness
56-403SNK	Satin Nickel	3.3 mm

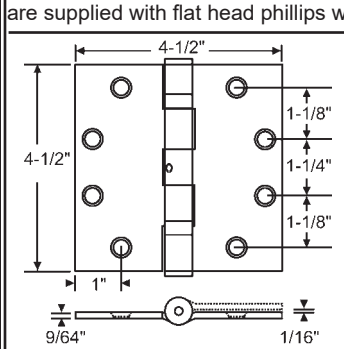
Square Corner. 4" x 4"



Part Number	Finish	Thickness
56-316SBRS	Satin Brass	3.4 mm
56-316SCH	Satin Chrome	3.4 mm
56-316USP	Gray Prime Coat	3.4 mm

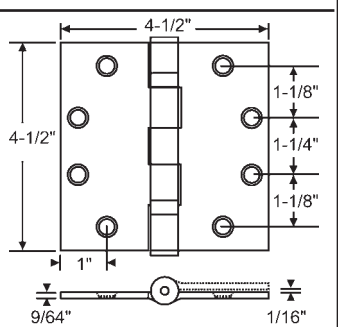
Square Corner. 4-1/2" x 4-1/2"

Steel 2 Ball Bearing Butt Hinges
These ball bearing hinges are packed and **sold in sets of three**. All hinges are supplied with flat head phillips wood and machine screws.



Part Number	Finish	Thickness
56-321SCH	Satin Chrome	3.4 mm

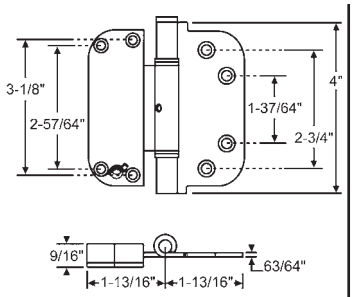
Square Corner. 4-1/2" x 4-1/2"
Non-Removable Pin



Part Number	Finish	Thickness
56-413SCH	Satin Chrome	3.4 mm

Square Corner. 4-1/2" x 4-1/2"
Removable Pin (Non-Rising)

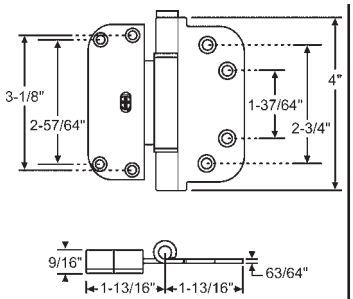
HINGES



Adjustable Set Hinge
With Non-Removable Pin

Part #	Finish
56-224AB	Antique Brass
56-224BC	Brushed Chrome
56-224ORBZ	Oil Rubbed Bronze
56-224PB	Polished Brass
56-224PC	Polished Chrome
56-224TN	Tan
56-224W	White

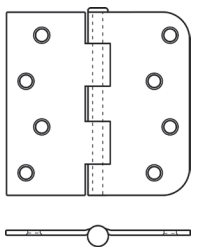
Steel. Includes Screws
WINDSOR/ SUPERIOR



Adjustable Guide Hinge

Part #	Finish
56-223AB	Antique Brass
56-223BC	Brushed Chrome
56-223ORBZ	Oil Rubbed Bronze
56-223PB	Polished Brass
56-223PC	Polished Chrome
56-223TN	Tan
56-223W	White

Steel. Includes Screws
WINDSOR/ SUPERIOR

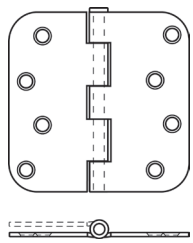


Residential Door Hinge

Part #	Description
56-272SNK	With Removable Pin
56-273SNK	With Non-Removable Pin

- Steel Base Metal
- Square corner x 5/8" radius
- Plain bearing, five knuckle
- 4.0' material gauge= .099" (2.5mm)

4" X 4" Square Corner x 5/8" Radius
Satin Nickel



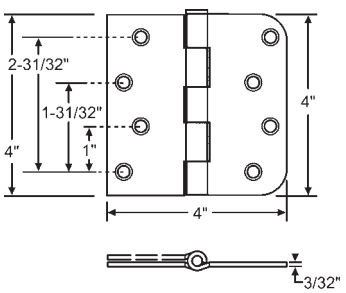
Residential Door Hinge

Part #	Description
56-270SSS	With Removable Pin
56-271SSS	With Non-Removable Pin

- Stainless Steel Base Metal
- 5/8" Radius corner on all corners
- Plain bearing, five knuckle
- 4.0' material gauge= .099" (2.5mm)

4" X 4" Square Corner x 5/8" Radius
Brushed Stainless Steel

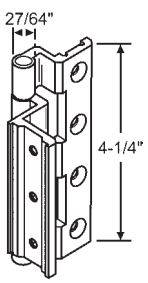
MORTISE LOCKS



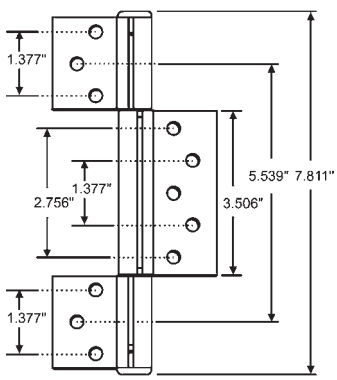
4" Square & Radius Corner Hinges

Part #	Hand
56-330RPB	RH Shown
56-330LPB	LH Opposite

Polished Brass Finish
Sold in Pairs

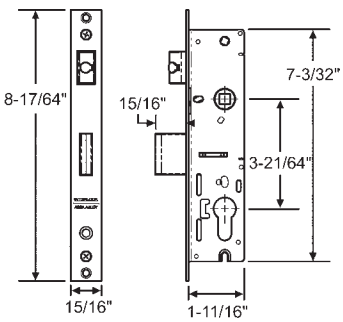


56-325
Converted Chromate
Five Knuckle Butt Hinge
Ready For Paint

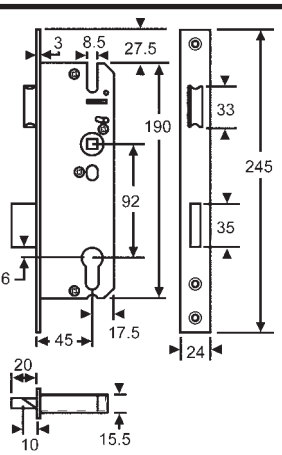


19-1042W
Storm Door Gravity Hinge. White

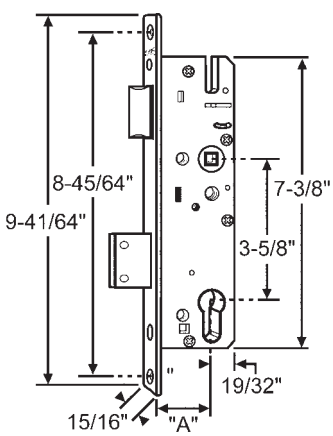
INTERLOCK
ASSA ABLOY



56-169
30mm Lock Body 2pt. Stainless Steel

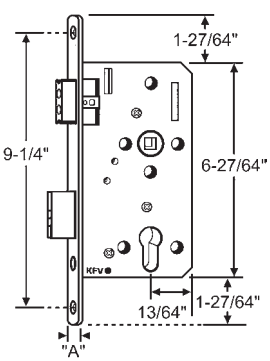


56-329SS
Stainless Steel
KFV



Part #	"A" Backset
56-180	30mm
56-276	35mm
56-277	40mm
56-278	45mm

Non-handed due to reversible latch, ball lock with lubricant, bright nickel-plated and deadbolt, deadbolt secured against sawing through inserted steel pins, deadbolt throw 25mm, zinc-plated casing.
Stainless Steel Face Plate
KFV/ INTERLOCK



Part #	"A"	Faceplate
56-254	25/32"	20mm
56-255	45/64"	18mm

Non- Handed Magnetic Mortise Lock
KFV

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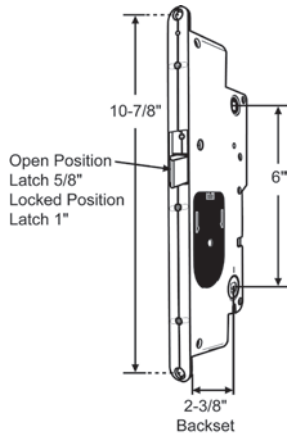
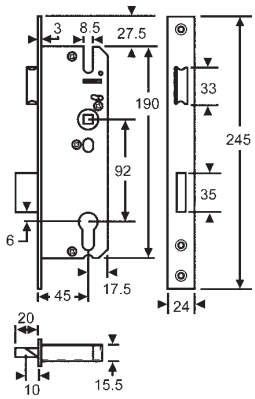
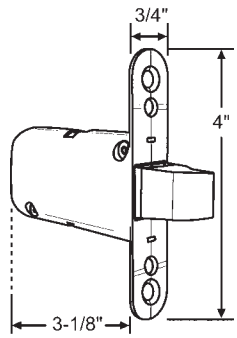
MORTISE LOCKS



56-101
Reversible
PEACHTREE IPD/CITADEL
For Installation Instructions contact your account manager.



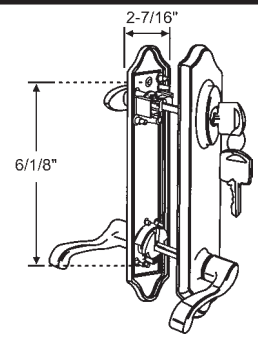
56-329SS
Stainless Steel



Part #	Finish
56-102LH	Shown

Inactive Door
PEACHTREE

MISCELLANEOUS SWING DOOR LOCKSETS

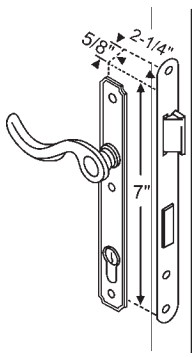


- Fits 2-1/8" Cross Bore on 6-3/32" Centers.
- Fits All Peachtree Prado Patio Doors
- Fits Right or Left Hand Doors

Part #	Finish
55-146PB	Polished Brass

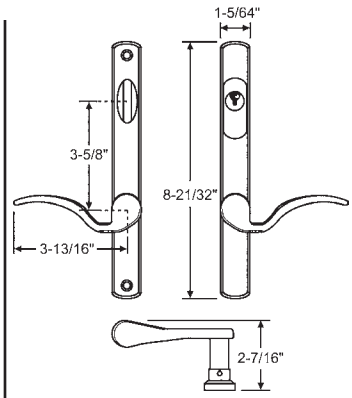
This lockset also can be used on older Prado doors with a 1-3/4" cross bore.
PEACHTREE/PRADO

MISCELLANEOUS SWING DOOR HARDWARE



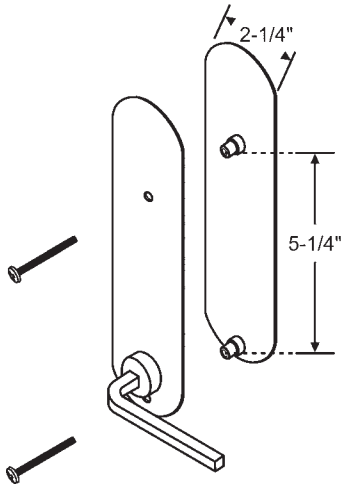
Part #	Finish
55-126PB	Polished Brass
55-126PC	Polished Chrome
55-126SNK	Satin Nickel

An Exact Replacement For Atrium Door



Part #	Description
55-196ABK	Active- With key (Shown)
55-196AB	Privacy- No key

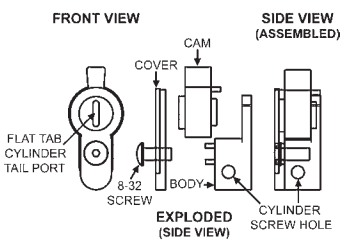
Privacy Handle Set . Antique Brass Finish
Solid Brass Handle



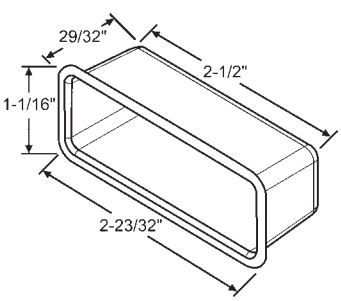
This Construction Hardware is designed specifically to be used with the W & F Trilennium™ multipoint locking system. It saves the finish handle sets from damage and acts as a paint shield during the construction phrase. Although not intended as a security device, the Construction Hardware prevents direct access to the locking mechanism from the exterior. It's sturdy all metal construction also makes it reusable for multiple phases or different job sites.

55-117
Construction Handle
W&F TRILENNIUM

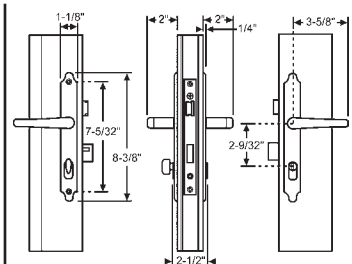
STORM DOOR HANDLE SET



56-344
Euro to American Profile Cylinder. Adapter Converts Euro Profile Cylinder Mechanisms to Accept American Type Key Cylinders Having Flat Tab Cylinder Tails



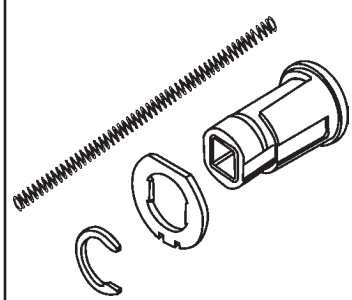
56-269
Tru-Lock Dust Cap. Black PVC
AMESBURY



Part #	Finish
19-466	Polished Brass
19-466B	Black
19-466SNK	Satin Nickel
19-466W	White

Complete Handle Set
w/ Mortise Lock, Single Deadbolt & Strike

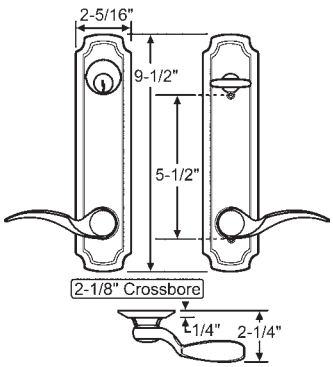
ZINC BUSHING REPLACEMENT KIT



56-115B
Black. For Eclipse, French, Single Island and Double Island Handle. See Page 434.

MISCELLANEOUS HANDLE SETS

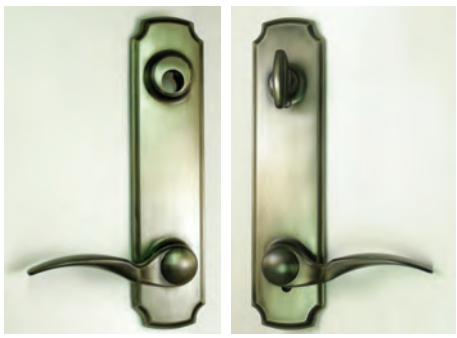
Eclipse Series Handle Set- Keyed

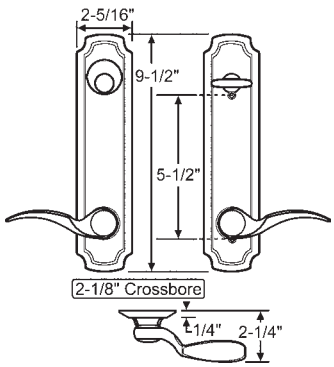


Part #	Finish
55-220BRS	Brass Plated
55-220SNK	Satin Nickel (Shown)

Includes: Key Cylinder (Weiser keyway), Latch & Deadbolt set with 2-3/8" Backset, Radius Strike Plates, Spindle 9/32" SQ X 1-1/2", Mounting Screws 10-32 TH X 2-1/8"

Eclipse Series Handle Set- Keyless

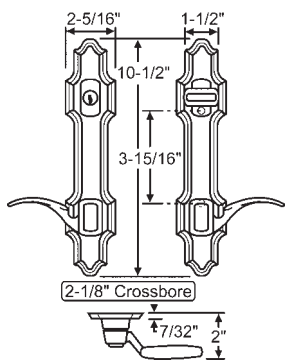




Part #	Finish
55-236ANK-X	Antique Nickel (Shown)
55-236VBZ-X	Victorian Bronze

Note: Does Not Include Anything Else (NO HARDWARE, SCREWS, NOTHING)

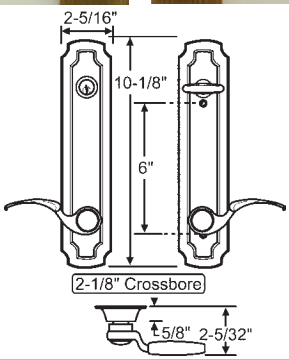
French Series Handle Set- Keyed



Part #	Finish
55-226AB	Antique Brass

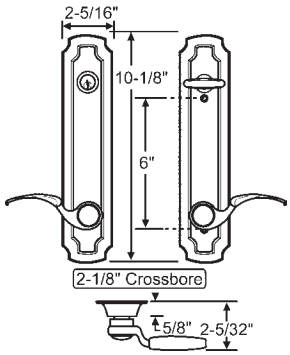
Includes: Key Cylinder (Weiser keyway), Latch & Deadbolt set with 2-3/8" Backset, Radius Strike Plates, Spindle 9/32" SQ X 2-9/16", Mounting Screws 10-32 TH X 2-7/16"

Single Island Escutcheons/ Versailles Handles (Patio Door Trimset w/ Key)



Part #	Finish
55-234PB	Polished Brass

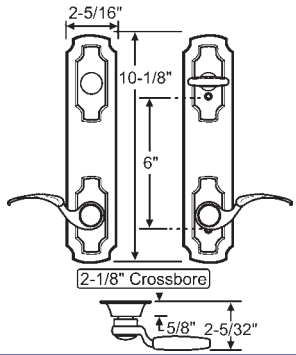
Includes: Key Cylinder (Weiser keyway), Latch & Deadbolt set with 2" Backset, Radius Strike Plates and 1/4" x 1-1/2" Spindle



Part #	Finish
55-233AB	Antique Brass

Includes: Key Cylinder (Weiser keyway), Latch & Deadbolt set with 2-3/8" Backset and Radius Strike Plates

Double Island Escutcheons/ Versailles Handles Patio Door Trimset



Part #	Description
13-283BBK-1	With Key
13-283BB-1	No Key

Bright Brass

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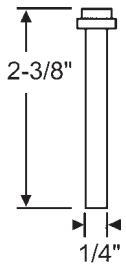
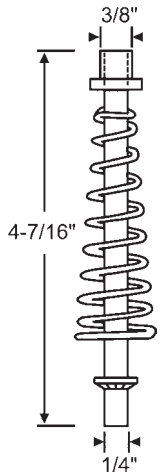
BI-FOLD CLOSET DOOR PIN ASSEMBLIES

In Order by Pin Diameter & Height

1/4" DIAMETER

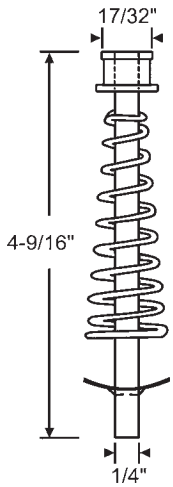


Assembly # 900-9421



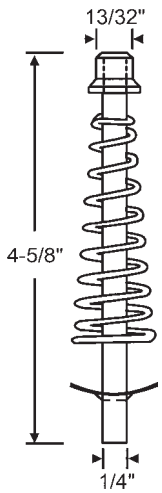
Assembly # 1-250	
Pin w/Cap	1-243
Cap	4-119
Spring	5-51
Push Nut	6-122

FENESTRA



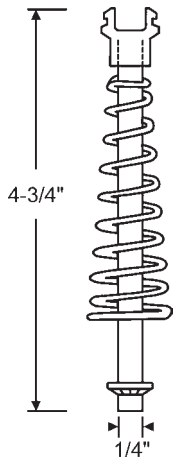
Assembly # 1-161	
Pin w/Cap	1-160
Cap	4-105
Spring	5-51
Tinnerman Clip	6-143

NATIONAL



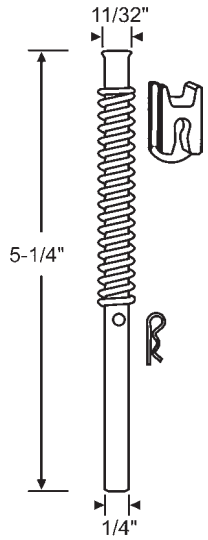
Assembly # 1-159	
Pin w/Cap	1-158
Cap	4-115
Spring	5-51
Tinnerman Clip	6-143

PEACHTREE



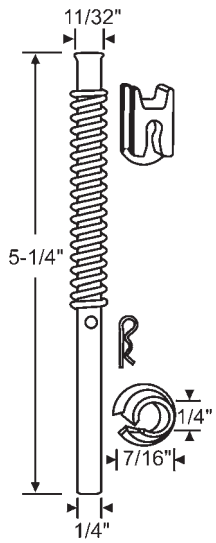
Assembly # 1-131	
Pin w/Cap	1-130
Cap	4-108
Spring	5-51
Push Nut	6-122

NATIONAL



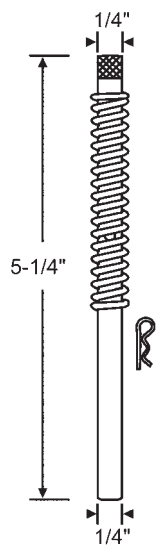
Assembly # 1-145	
Guide Cap	4-111
Spring	5-50
Hairpin Clip	6-136

LEIGH/MONARCH



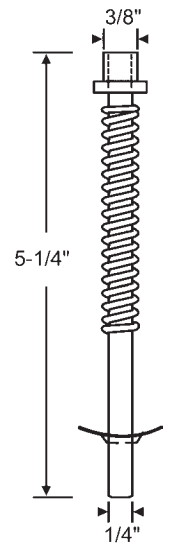
Assembly # 1-145A	
Guide Cap	4-111
Spring	5-50
Hairpin Clip	6-136
Grommet (2x)	8-259

LEIGH/MONARCH



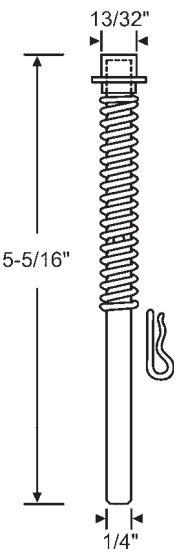
Assembly # 1-153	
Spring	5-50
Hairpin Clip	6-136

LEIGH/MONARCH



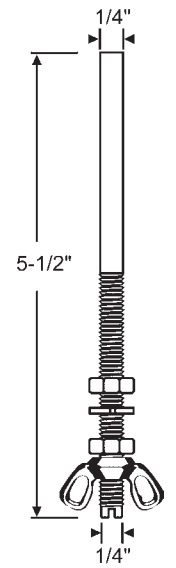
Assembly # 1-236	
Pin w/Cap	1-238
Cap	4-119
Spring	5-50
Tinnerman Clip	6-143

FENESTRA



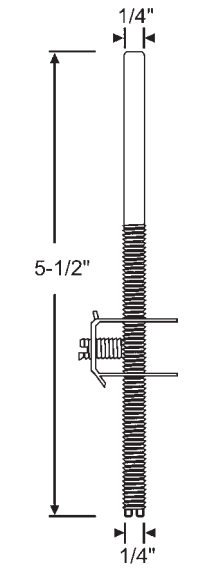
Assembly # 1-163	
Pin w/Cap	1-162
Cap	4-104
Spring	5-50
Hairpin Clip	6-136

LEIGH/MONARCH



Assembly # 1-147	
Hex nut	6-129
Lock Washer	6-123
Wing Nut	6-132

LEIGH/MONARCH

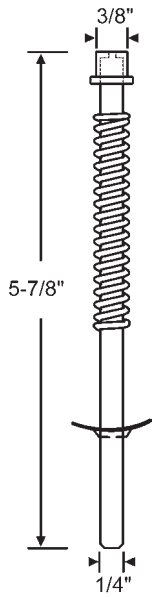


Assembly # 1-165	
Clevis w/Screw	6-134

LEIGH/MONARCH

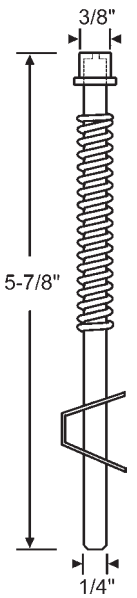
BI-FOLD CLOSET DOOR PIN ASSEMBLIES

1/4" DIAMETER



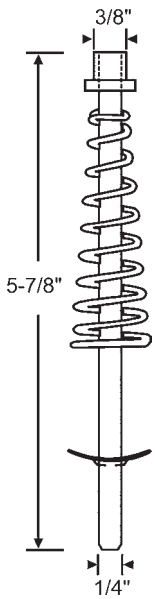
Assembly # 1-170	
Pin w/Cap	1-169
Cap	4-114
Spring	5-50
Tinnerman Clip	6-143

BENCHMARK



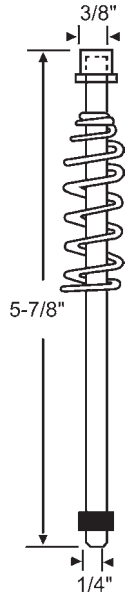
Assembly # 1-237	
Pin w/Cap	1-169
Cap	4-114
Spring	5-50
Compression Retainer	6-101

BENCHMARK

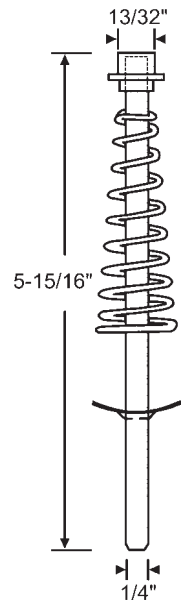


Assembly # 1-259	
Pin w/Cap	1-156K
Cap	4-119
Spring	5-51
Tinnerman Clip	6-143

FENESTRA

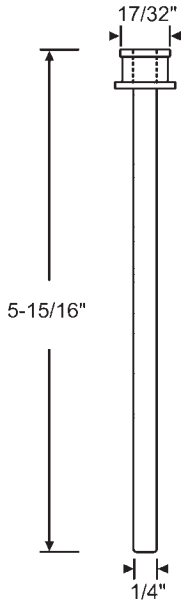


Assembly # 1-235	
Pin w/Cap	1-156
Cap	4-114
Spring	5-59
Stop Bushing	6-107



Assembly # 1-172	
Pin w/Cap	1-171
Cap	4-104
Spring	5-51
Tinnerman Clip	6-143

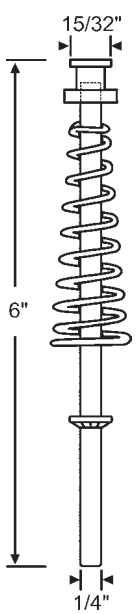
LEIGH/MONARCH



Assembly # 1-258	
Cap	4-105

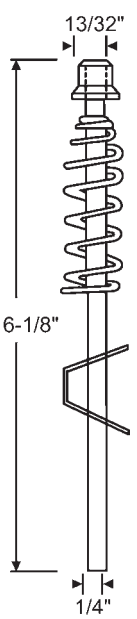
NATIONAL

5/16" DIAMETER



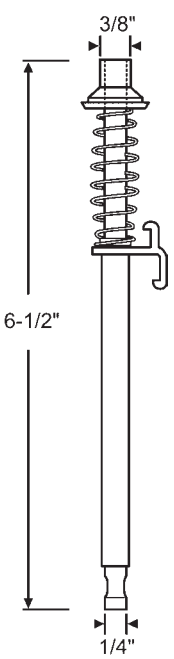
Assembly # 1-157	
Pin w/Cap	1-156
Cap	4-107
Spring	5-51
Push Nut	6-122

NATIONAL



Assembly # 1-224	
Pin w/Cap	1-223
Cap	4-115
Spring	5-59
Compression Retainer	6-143

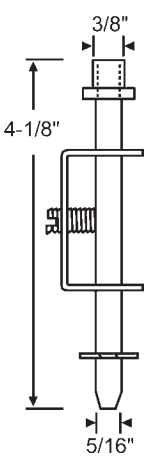
PEACHTREE



Assembly # 1-102	
Cap	4-120

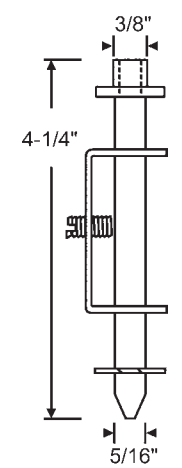
With Plastic Sleeve

SLIMFOLD



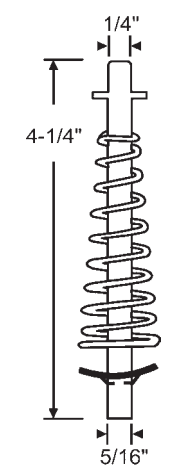
Assembly # 1-137	
Pin w/Cap	1-136
Cap	4-119
Clevis w/Screw	6-102
E-Ring	6-109

FENESTRA



Assembly # 1-241	
Pin w/Cap	1-239
Cap	4-128
Clevis w/Screw	6-105
E-Ring	6-109

FENESTRA



Assembly # 1-190	
Spring	5-51
Tinnerman Clip	6-141
E-Ring	6-109

Used with 1-186

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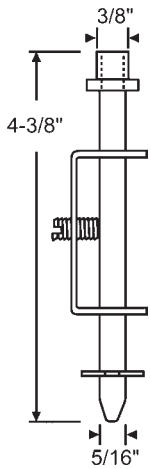
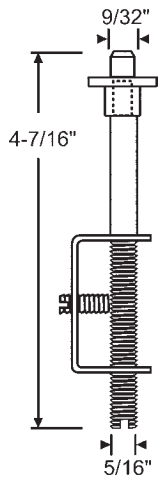
BI-FOLD CLOSET DOOR PIN ASSEMBLIES

5/16" DIAMETER



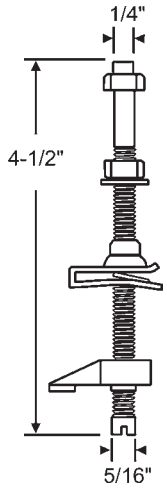
Assembly # 1-201	
Pin w/Cap	1-200
Cap	4-119
Clevis w/Screw	6-105
E-Ring	6-110

FENESTRA



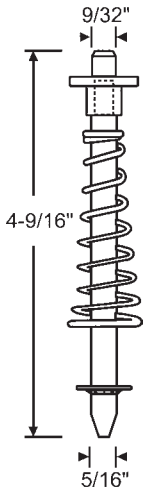
Assembly # 1-180	
Pin w/Cap	1-179
Cap	4-118
Clevis w/Screw	6-103

FENESTRA



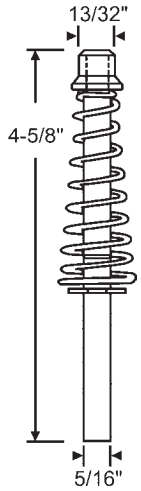
Assembly # 1-186	
Lock Washer	6-115
Hex Nut	6-128
Bushing	6-139
Nut	6-140

NATIONAL



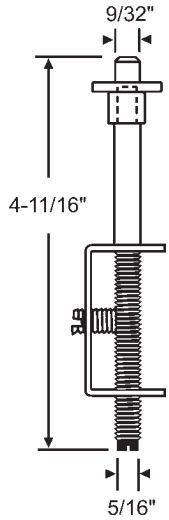
Assembly # 1-251	
Pin w/Cap	1-202
Cap	4-118
Spring	5-62
Push Nut	6-111

FENESTRA



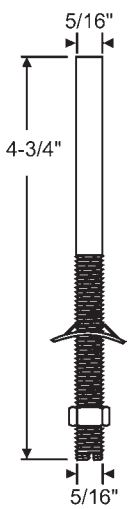
Assembly # 1-133	
Pin w/Cap	1-132
Cap	4-115
Spring	5-51
E-Ring	6-112

PEACHTREE



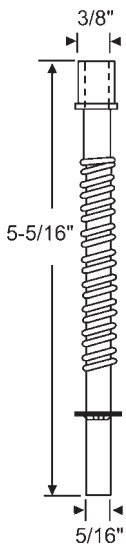
Assembly # 1-220	
Cap	4-118
Clevis	6-103

FENESTRA



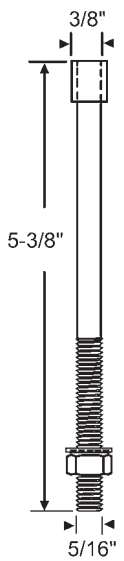
Assembly # 1-209	
Threaded Tinnerman	6-125
Hex Nut	6-128

KELLER

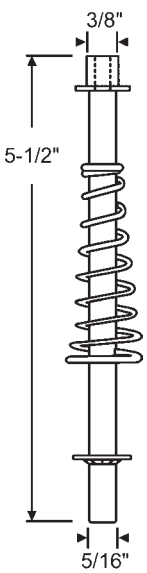


Assembly # 1-184	
Cap	4-103
Spring	5-50
Push Nut	6-111

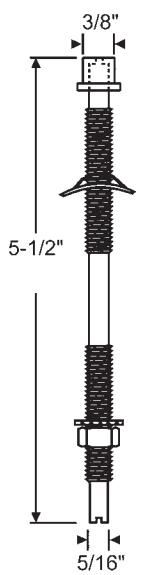
SLIMFOLD



Assembly # 1-127	
Cap	4-110
Lock Washer	6-118
Hex Nut	6-128

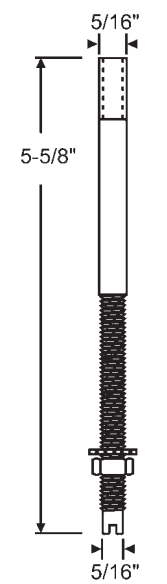


Assembly # 1-252	
Pin w/Cap	1-261
Spring	5-62
Push Nut	6-111



Assembly # 1-123	
Cap	4-114
Tooth Lock Washer	6-118
Threaded Tinnerman	6-125
Hex Nut	6-128

BENCHMARK

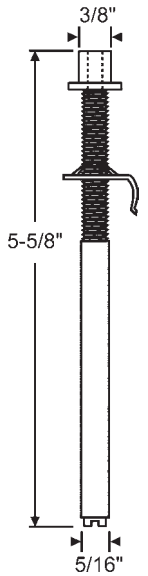


Assembly # 1-195	
Pin w/Cap	1-194
Cap	4-126
Hex Nut	6-128
Tooth Lock Washer	6-118

FLOATAWAY

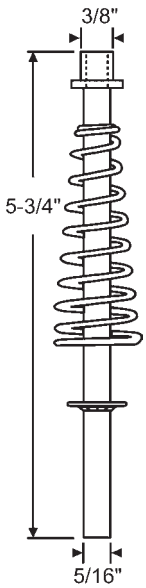
BI-FOLD CLOSET DOOR PIN ASSEMBLIES

5/16" DIAMETER



Assembly # 1-174	
Cap	4-117
Threaded Tinnerman	6-145

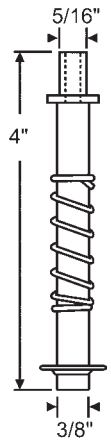
SLIMFOLD



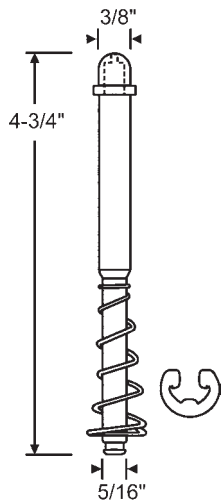
Assembly # 1-176	
Pin w/Cap	1-175
Cap	4-119
Spring	5-51
Push Nut	6-111

FENESTRA

3/8" DIAMETER

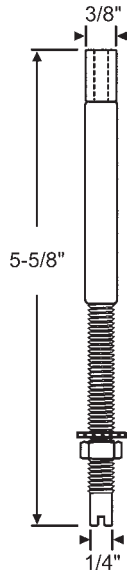


Assembly # 1-257	
Cap	4-130
Spring	5-60
Push Nut	6-100



Assembly # 1-129	
Pin w/Cap	1-128
Cap	4-116
Spring	5-58
E-Ring	6-112

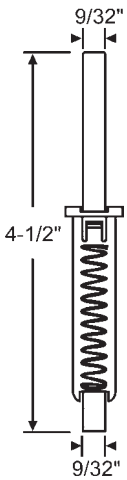
FLOATAWAY



Assembly # 1-101	
Pin w/Cap	1-100
Cap	4-101
Hex Nut	6-128
Tooth Lock Washer	6-118

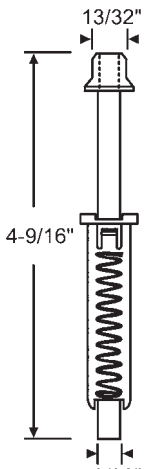
FLOATAWAY

PEACHTREE/FLOATAWAY



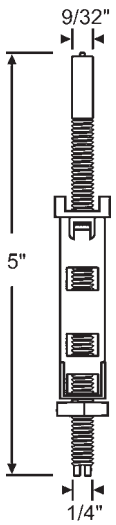
Assembly # 1-107

PEACHTREE FLOATAWAY



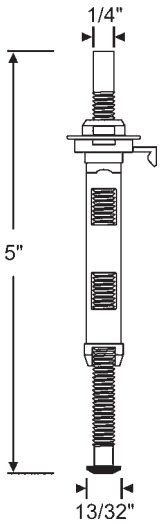
Assembly # 1-108	
Cap	4-127

PEACHTREE FLOATAWAY



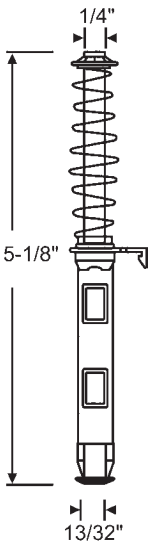
Assembly # 1-106	
Hex Nut	6-128
Pin Sleeve	8-308

PEACHTREE FLOATAWAY



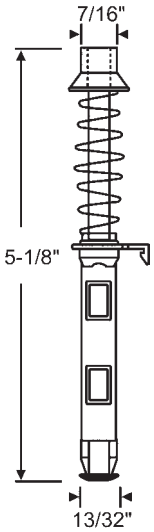
Assembly # 1-103	
Square Nut	6-157
Speed Nut	6-161
Pin Sleeve	900-6656

FLOATAWAY



Assembly # 1-104	
Spring	5-59
Push Nut	6-122

FLOATAWAY



Assembly # 1-105	
Cap	4-106
Spring	5-59

FLOATAWAY

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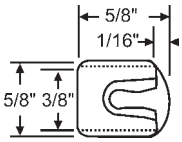
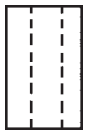
BI-FOLD CLOSET DOOR CAPS

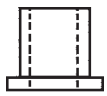
Caps Shown Actual Size



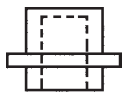
4-100
5/16" Thick
Fits Pin 1-151
LEIGH/MONARCH



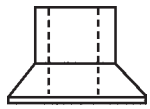
4-101
Fits Pins 1-100, 1-149, 1-101, 1-232, 1-148
FLOATAWAY



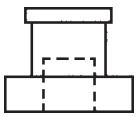
4-103
Fits Pins 1-183, 1-184
SLIMFOLD



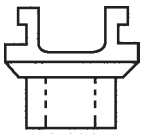
4-104
Fits Pins 1-162, 1-171, 1-163, 1-172, 1-172K
LEIGH/MONARCH



4-106
Fits Pins 1-105, 900-9422
FLOATAWAY

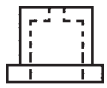


4-107
Fits Pins 1-156, 1-157
NATIONAL

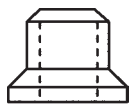


4-108
Fits Pins 1-130, 1-131
NATIONAL

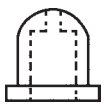
4-111
Fits Pins 1-145, 1-188, 1-226 1-144A, 1-145A
LEIGH/MONARCH



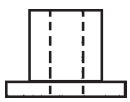
4-114
Fits Pins 1-170, 1-123, 1-235, 1-169, 1-237
BENCHMARK



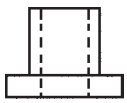
4-115
Fits Pins 1-132, 1-159, 1-133, 900-14476, 900-17552, 1-223, 1-158, 1-224, 1-262, 900-8841A
PEACHTREE



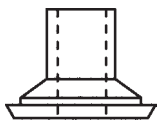
4-116
Fits Pins 1-128, 1-228, 1-129, 1-229
FLOATAWAY



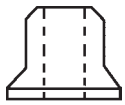
4-117
Fits Pins 1-174, 1-197, 1-232, 1-261
SLIMFOLD



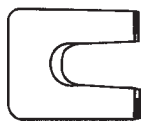
4-119
Fits Pins 1-136, 1-175, 1-204, 1-230, 1-137, 1-176, 1-205, 1-236, 1-200, 1-217, 1-238,1-143, 1-201, 1-218, 1-260, 1-269, 1-273, 1-243, 1-244, 1-250, 1-259
FENESTRA



4-120
Fits Pin 1-102
SLIMFOLD



4-127
Fits Pins 1-108
PEACHTREE

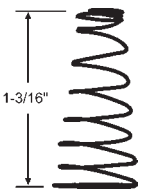


4-129
Fits Pin 1-246

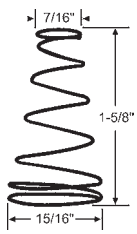
BI-FOLD CLOSET DOOR SPRINGS

In Order by Height

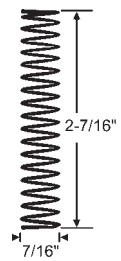
5-73
BAYFORM



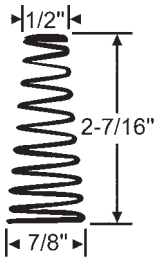
900-9421S



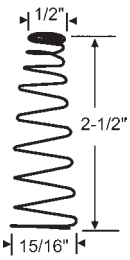
5-62
SLIMFOLD



5-50
BENCHMARK

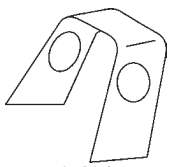


5-51



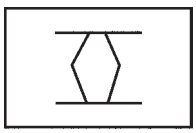
5-63

BI-FOLD CLOSET DOOR ACCESSORIES



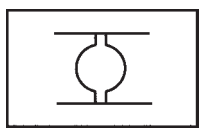
6-101
Compression Retainer for 1/4" Pins. Used with 1-224, 1-237, 1-269, 1-273
BENCHMARK

6-136
Hairpin Clip. Used with 1-144A, 1-145, 1-145A, 1-153, 1-153A, 1-163



Actual Size

6-143
1/4" Tinnerman Clip

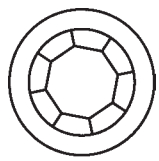


Actual Size

6-125
5/16" Threaded Tinnerman

Part #	Size
6-112	1/4"
6-110	5/16"
6-109	3/8"

E-Ring

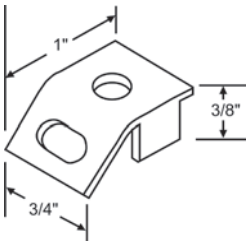


Part #	Size
6-122	1/4"
6-111	5/16"

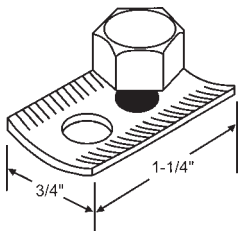
Push Nut

METAL CLOSET DOOR PIVOT BRACKETS

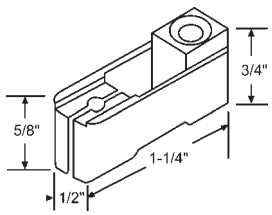
In Order by Length



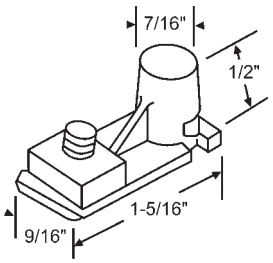
7-240
Metal
LEIGH/MONARCH



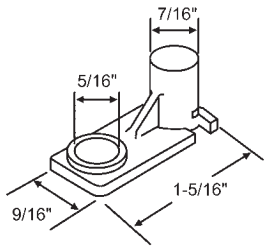
7-234
Metal
LEIGH/MONARCH



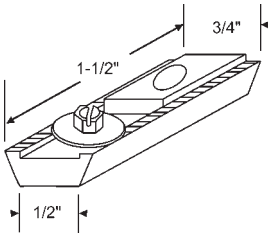
7-225
Nylon
PEACHTREE



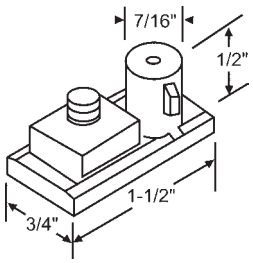
7-246
Nylon
PEACHTREE



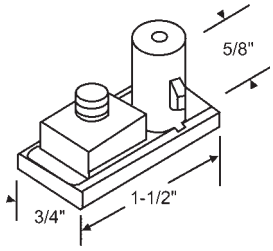
7-227
Nylon



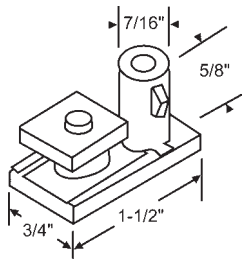
7-210A
Nylon
NATIONAL



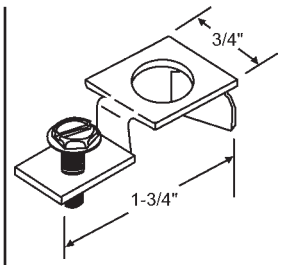
7-230
Nylon
PEACHTREE



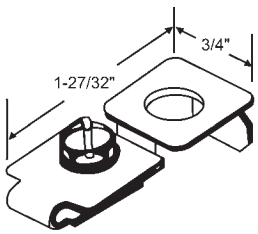
7-247
Nylon
BENCHMARK



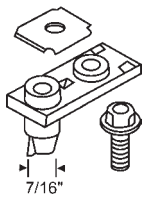
7-229
Nylon
PEACHTREE



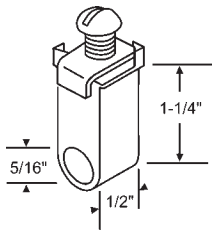
7-226
Metal
BENCHMARK



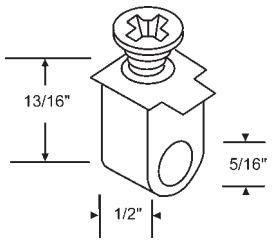
7-200
Metal
SLIMFOLD



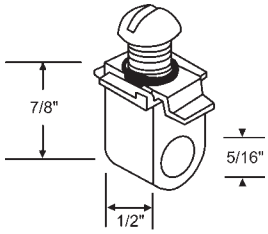
7-223
Nylon
FLOATAWAY



7-224
Nylon



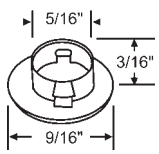
7-231
Nylon
New Style
SLIMFOLD



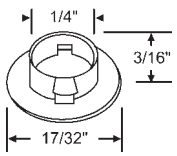
7-231OS
Nylon
Old Style
SLIMFOLD

METAL CLOSET DOOR NYLON GROMMETS/BUSHINGS/BUMPERS

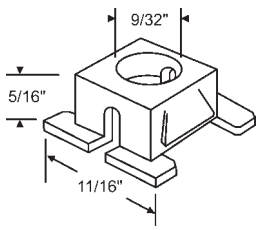
In Order by Height



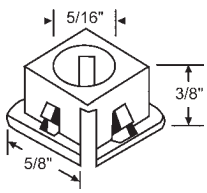
8-255
NATIONAL



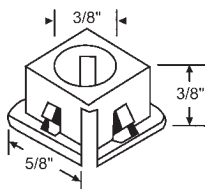
8-254
NATIONAL



8-262
PEACHTREE



8-268
PEACHTREE



8-269
PEACHTREE

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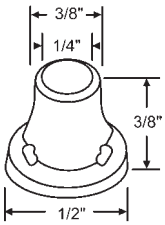
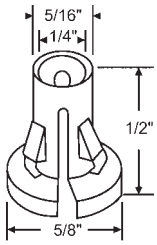
METAL CLOSET DOOR NYLON GROMMETS/BUSHINGS/BUMPERS

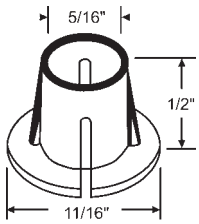
In Order by Height



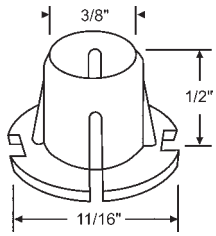
8-261
Blue
BENCHMARK



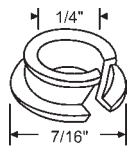
8-264
FLOATAWAY



8-267
FLOATAWAY

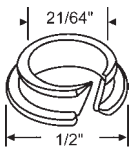


8-280
FLOATAWAY

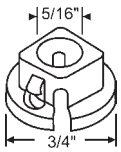


8-259
LEIGH/MONARCH

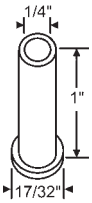
In Order by Length



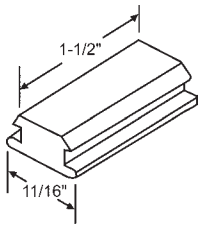
8-260
LEIGH/MONARCH



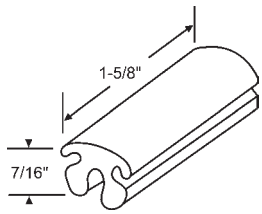
8-266
FLOATAWAY



8-359



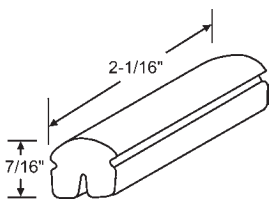
8-271
Gray
NATIONAL



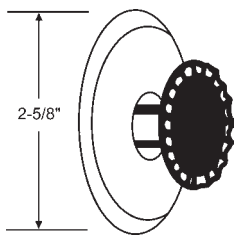
8-304
White
FLOATAWAY

METAL CLOSET DOOR PLATES & PULLS

In Order by Diameter & Height

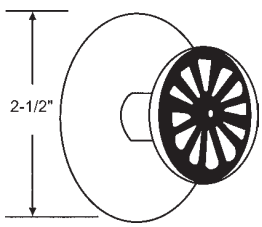


8-279
Gray Bi-fold Track Bumper

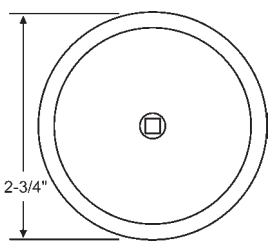


Part #	Finish
8-228B	Bronze
8-228A	Polished Aluminum

FLOATAWAY

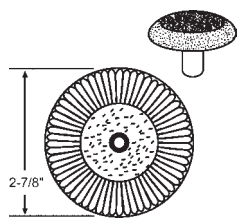


8-258
Brass with Screw
8-327 Knob, 8-321 Back Plate
SLIMFOLD



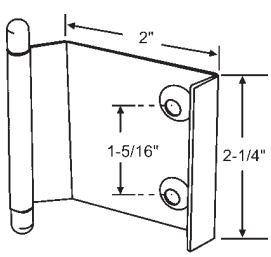
Part #	Finish
900-10221C	Chrome
900-10221	Polished Brass
900-10221SNK	Satin Nickel

Back Plate

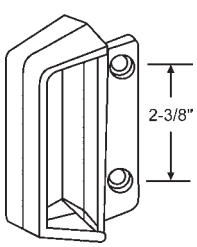


8-289
Antique Brass
Adhesive Pad Only: 900-13008
BENCHMARK

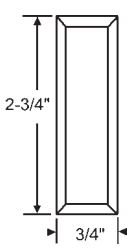
BI-FOLD DOOR HINGE



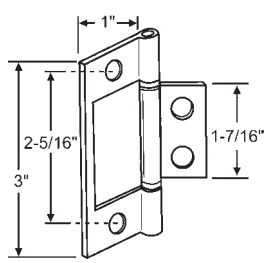
8-278
Door Pull Set
SLIMFOLD



8-305
White
PEACHTREE FLOATAWAY

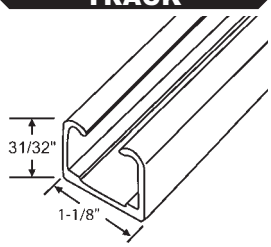


900-16101-1
Gray Mirror Pull
Self Adhesive



900-820
Brass Plated Steel

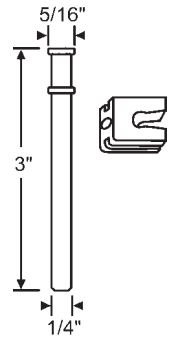
CLOSET DOOR TRACK



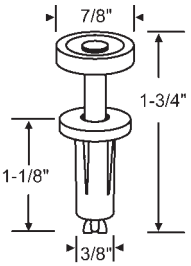
Part #	Size
8-467-3	3'
8-467-4	4'
8-467-6	6'

KENNAFRAME

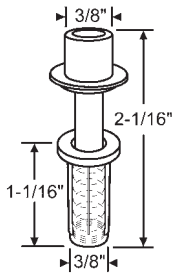
WOOD CLOSET DOOR PLUNGER PINS, BRACKETS, PLATES & CAPS



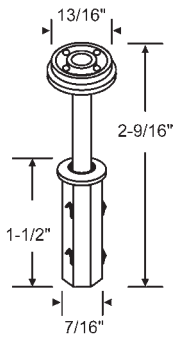
Assembly # 1-246	
Guide Cap	4-129



2-104
Top Rolling Guide
Spring Loaded
ACME

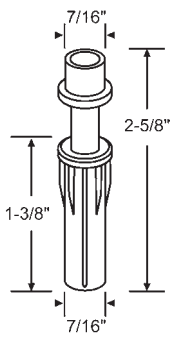


2-122

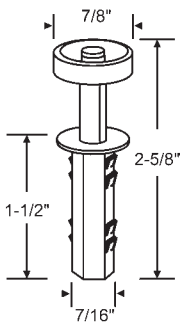


2-109

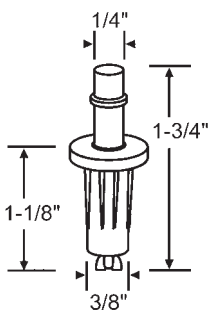
OLD STANLEY



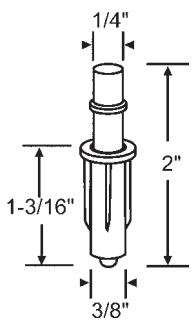
2-76
4-125 Cap Only



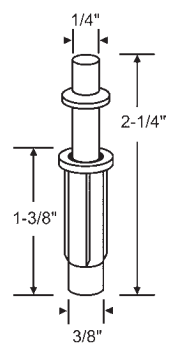
2-58
ACME



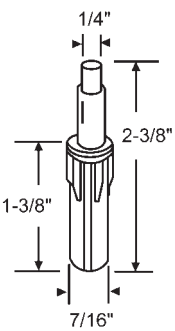
2-113
ACME



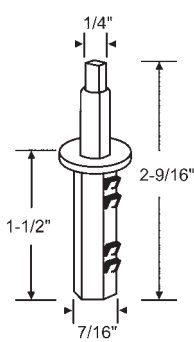
2-105



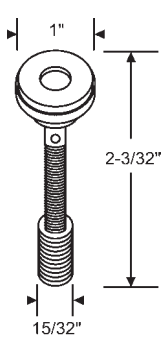
2-110
ALLIANCE



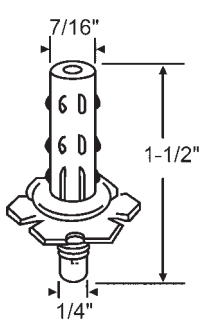
2-77



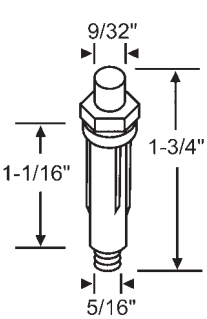
2-60
Use with 2-92
ACME



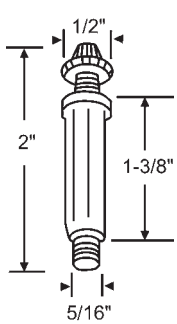
2-112
8-281 Bushing Only
2-111 Pin Only



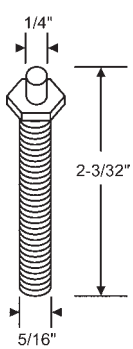
2-78



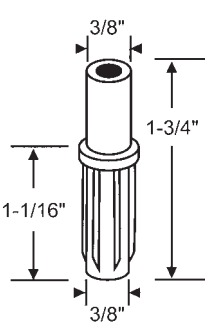
2-106



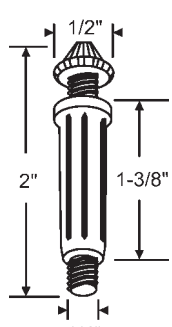
2-121



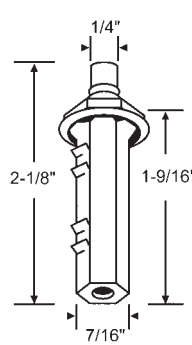
2-116



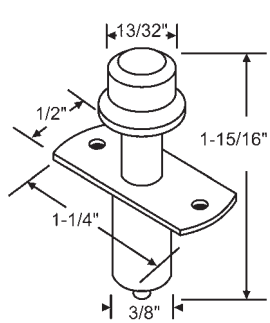
2-62
ACME



2-63
ACME



2-59
ACME



2-95
HARVEY

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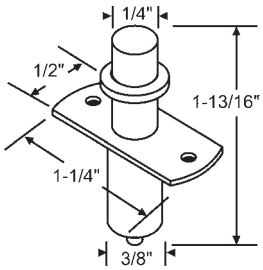
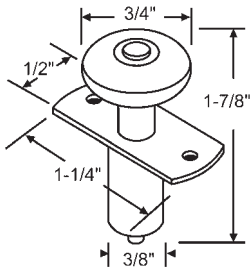
WOOD CLOSET DOOR PLUNGER PINS, BRACKETS, PLATES & CAPS



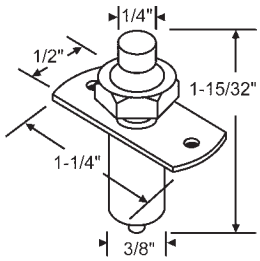
2-85

HARVEY



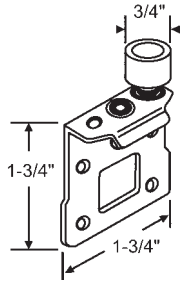
2-52

HARVEY



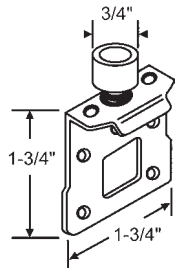
2-97

HARVEY



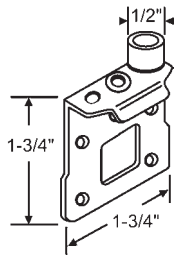
Part #	Hand
2-66	Shown
2-65	Opposite

PANIFLEX



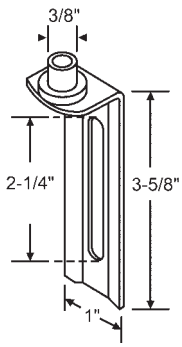
2-67

PANIFLEX



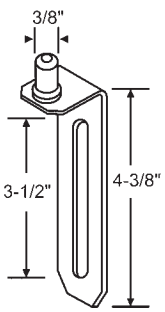
Part #	Hand
2-71	Shown
2-70	Opposite

PANIFLEX

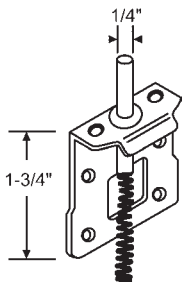


2-94

Includes Attaching Screws 1/4" - 20" x 1/2"

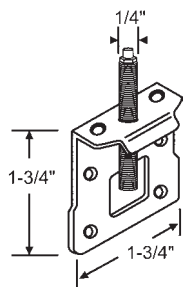


2-118



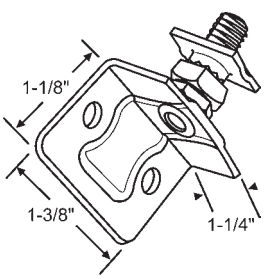
2-68

PANIFLEX

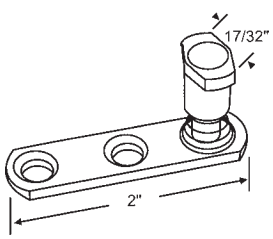


2-69

PANIFLEX

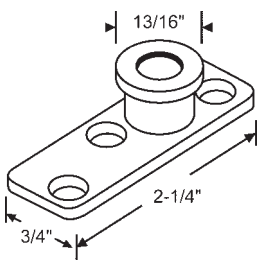


900-808-OS

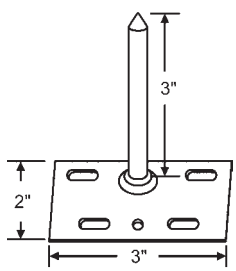


2-108

STANLEY

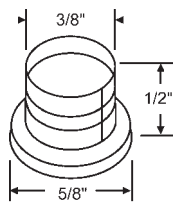


2-50

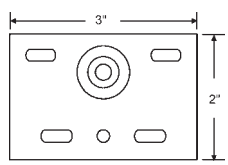


2-120

Top Plate. Use with 8-338



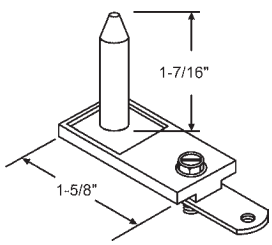
8-338



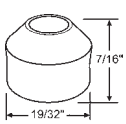
7-253

Bottom Plate

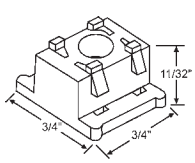
CLOSET DOOR ROLLERS



900-10518

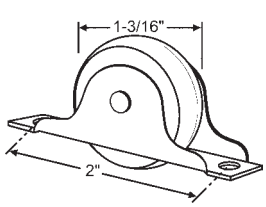


4-121



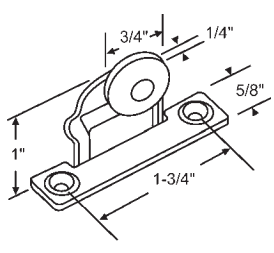
4-124

ALLIANCE



3-351

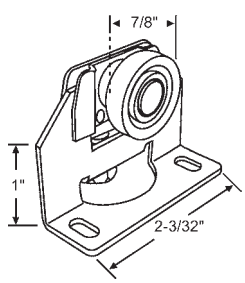
Nylon Wheel



3-219

Nylon Wheel

HARVEY

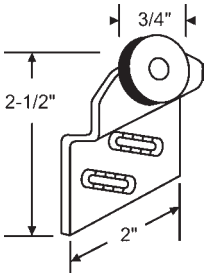


3-151

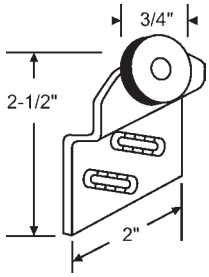
WOOD CLOSET DOOR BY-PASS HANGERS

In Order by Roller Diameter

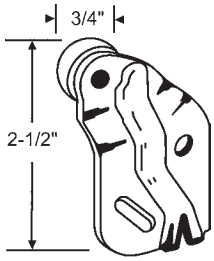
3/4" Roller



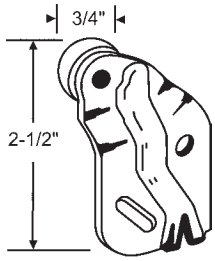
3-165
1/4" Offset
E-Z ROLL



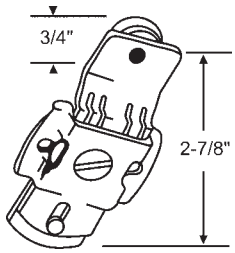
3-164
1/2" Offset
E-Z ROLL



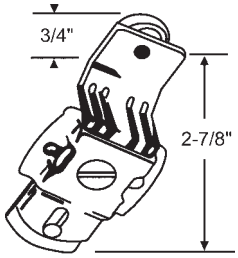
3-190
1/4" Offset
E-Z ROLL



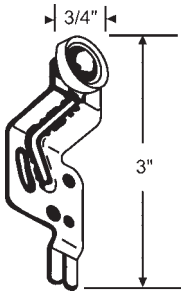
3-191
1/2" Offset
E-Z ROLL



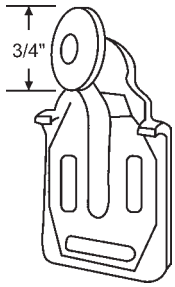
3-170
1/4" Offset



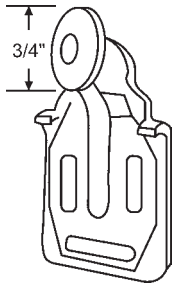
3-171
1/2" Offset



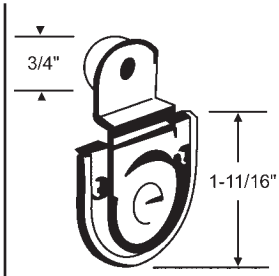
3-203
3/4" Offset
w/ Screws



900-21054
3/4" Offset
900-21054S for Hanger w/Screws

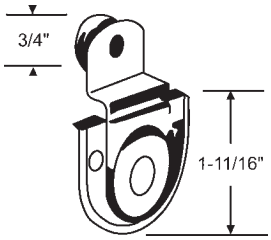


900-7798
3/8" Offset
900-7798S for Hanger w/Screws

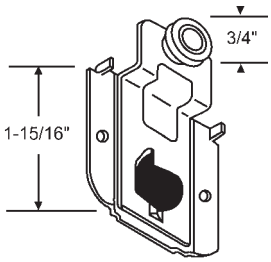


3-206
1/8" Offset
LAWRENCE

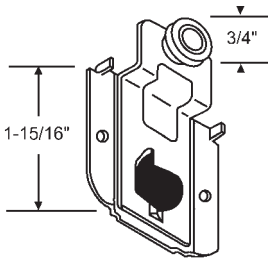
27/32" Roller



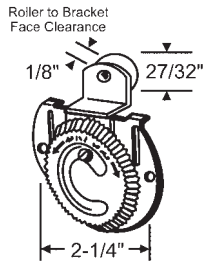
3-185
1/2" Offset
LAWRENCE



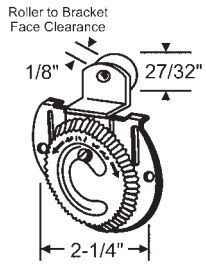
3-172
1/4" Offset
GRANT



3-173
1/2" Offset
GRANT

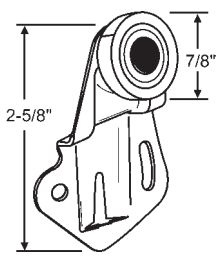


3-199
1/16" Offset
OLD STANLEY

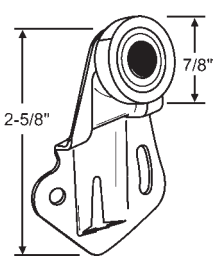


3-198
3/8" Offset
OLD STANLEY

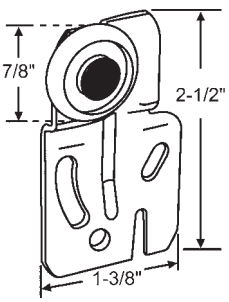
7/8" Roller



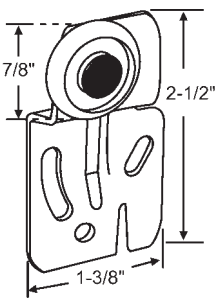
3-339
3/8" Offset Universal Hanger



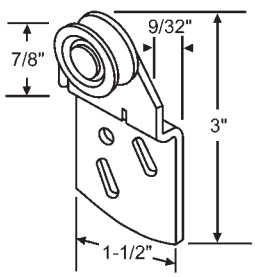
3-340
1/16" Offset Universal Hanger



3-152
1/4" Offset
ACME



3-153
1/2" Offset
ACME



3-107
9/32" Offset
3-107S for Hanger with Screws

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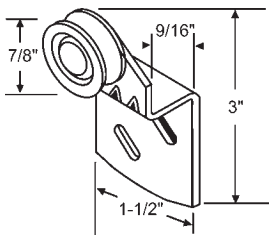
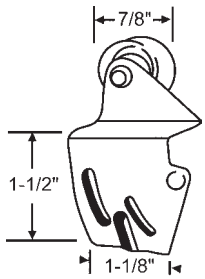
WOOD CLOSET DOOR BY-PASS HANGERS

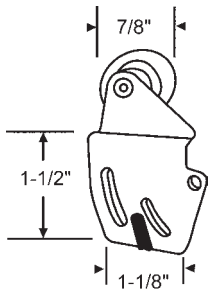
7/8" Roller



3-108
9/16" Offset
3-108S for Hanger with Screws

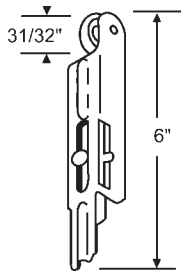


3-147
3/8" Offset



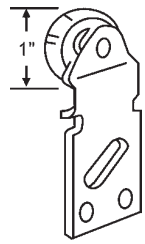
3-146
1/16" Offset

31/32" Roller

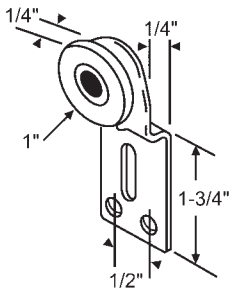


Part #	Hand
3-202	Shown
3-201	Opposite

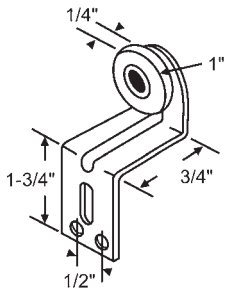
1" Roller



900-1304
Front Hanger w/Ball Bearing Wheel, 1/16" Offset
E-Z ROLL

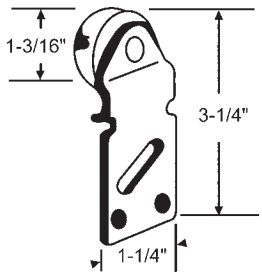


3-212
Front Hanger
COX

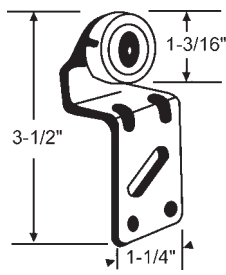


3-211
Rear Hanger
COX

1-3/16" Roller



3-193
1/16" Offset



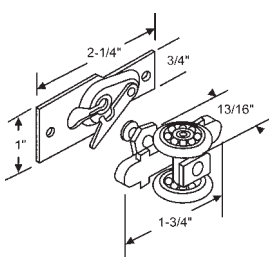
3-195
1-3/8" Offset

1-3/8" Roller

900-12272N
New Style

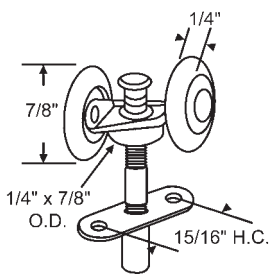
WOOD CLOSET DOOR BY-PASS HANGERS - 2-WHEEL

13/16" Rollers

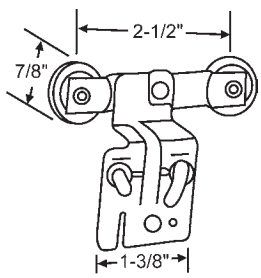


900-10534
Ball Bearing Wheels

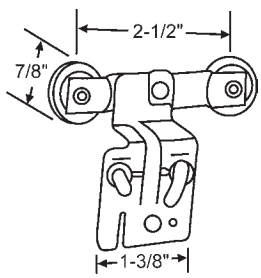
7/8" Rollers



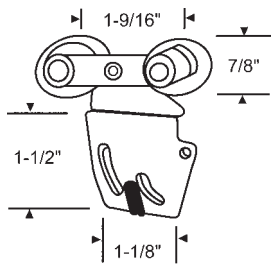
3-223



3-113
w/ Screws. 1/4" Offset
ACME



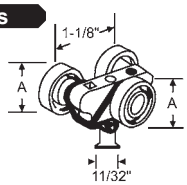
3-112
w/ Screws. 1/2" Offset
ACME

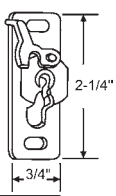


3-143
3/8" Offset

WOOD CLOSET DOOR BY-PASS HANGERS - 3-WHEEL

3/4" Rollers



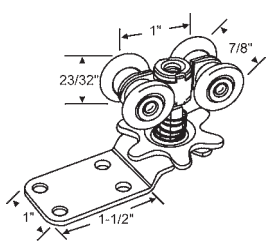


Part #	Wheel Type	A
3-141	Nylon	3/4"
3-141BB	Ball Bearing Nylon	3/4"
3-140	Nylon	1"
3-140BB	Ball Bearing Nylon	1"

Comes with 8-226 Bracket

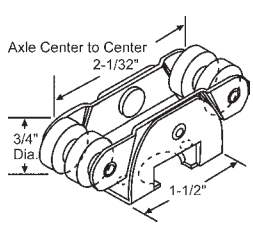
WOOD CLOSET DOOR BY-PASS HANGERS - 4-WHEEL

23/32" Rollers



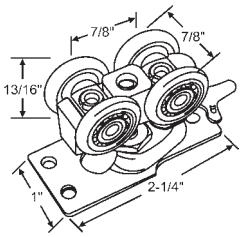
3-126

3/4" Rollers



900-569

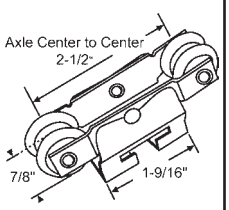
13/16" Rollers



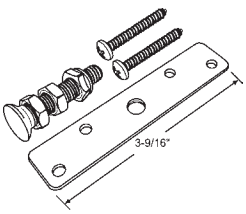
900-9746A
Includes Hardware Kit

WOOD CLOSET DOOR BY-PASS HANGERS - 4-WHEEL

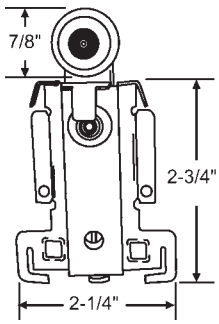
7/8" Rollers



900-803-OS

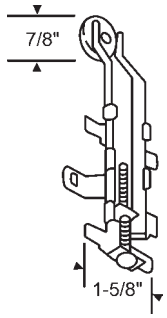


900-586

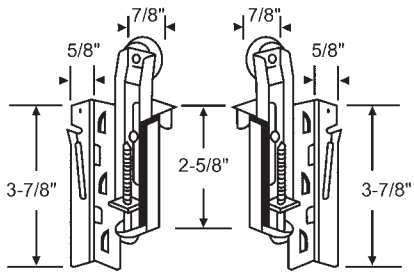


3-120

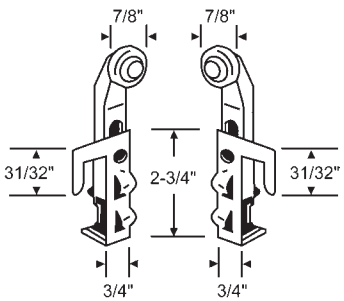
WOOD CLOSET DOOR PANEL JACKET HANGERS



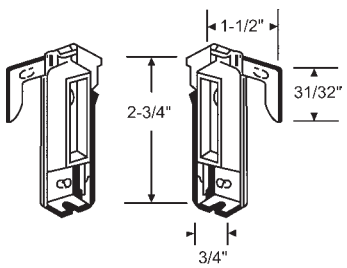
3-133



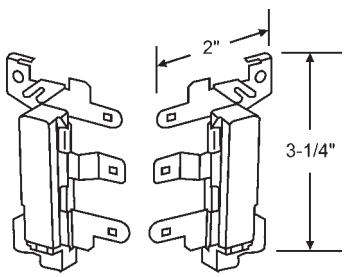
3-122A



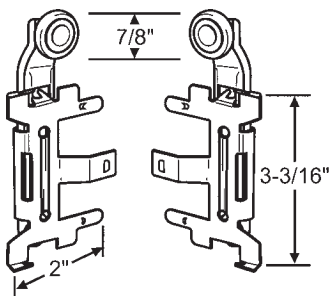
3-116A
ACME



3-118A
ACME

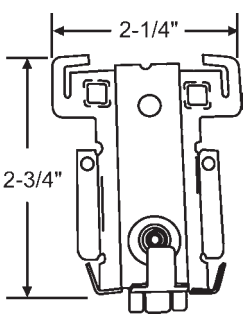


3-156A
COX

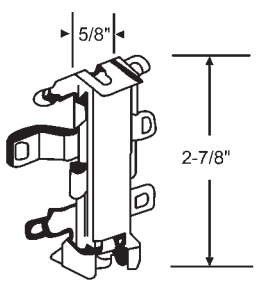


3-158A
Corner Connector Hanger Set
COX

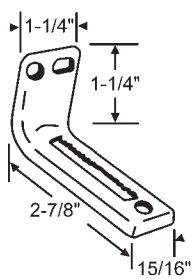
WOOD CLOSET DOOR PIVOT/JAMB BRACKETS



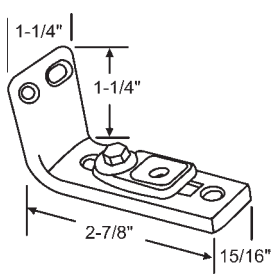
3-121



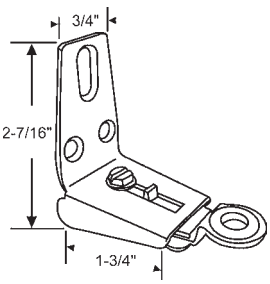
3-132



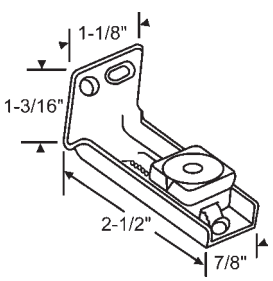
7-221
Metal
ACME



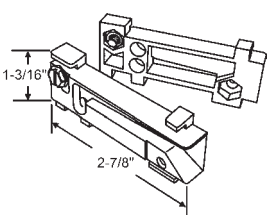
7-222
Metal with Nylon Insert
7-222-2 For 2 Brackets w/Screws
ACME



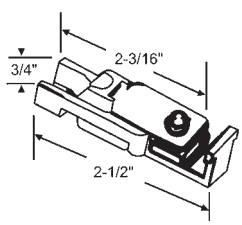
7-205
Metal



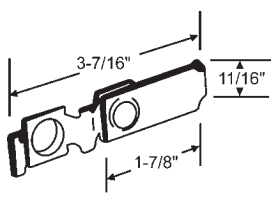
7-241
Metal with Nylon Insert



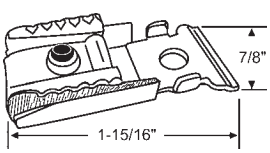
7-235A
Sold as Set (1 Left Hand,1 Right Hand). Nylon
PANIFLEX



7-215
Nylon with Metal Insert



7-216
Metal



7-237
Metal
ACME

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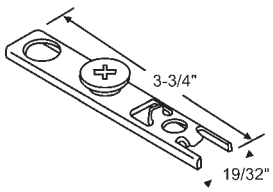
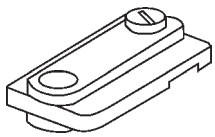
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

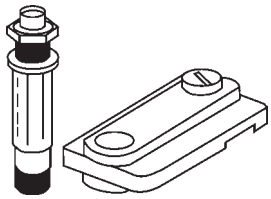
WOOD CLOSET DOOR PIVOT/JAMB BRACKETS



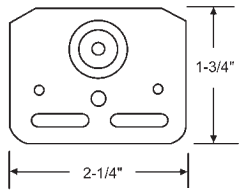
7-220N
Metal (New Style)
ACME



7-254
Bracket Only

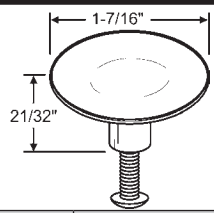


7-254A
Bracket with Plunger Pin



7-201
Metal
PANIFLEX

WOOD CLOSET DOOR PULLS & KNOBS

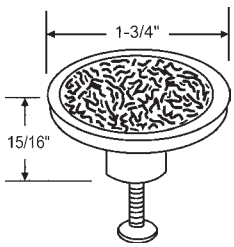


Part #	Finish
8-300	Brass Plated
8-300C	Chrome Plated
8-300SNK	Satin Nickel

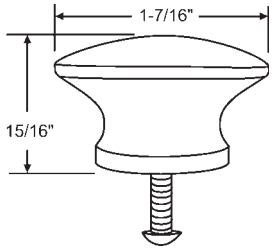
Die Cast

WOOD CLOSET DOOR PULLS & KNOBS

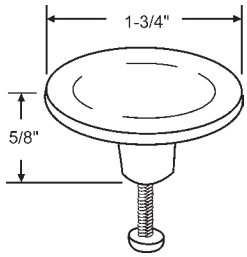
In Order by Type, then Outside Diameter



8-298
Plastic, Brown

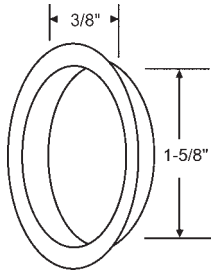


8-235
Wood, Unfinished

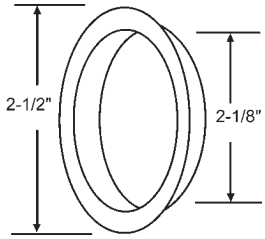


Part #	Finish
8-301	Brass Plated
8-301C	Chrome Plated
8-301SNK	Satin Nickel

Die Cast

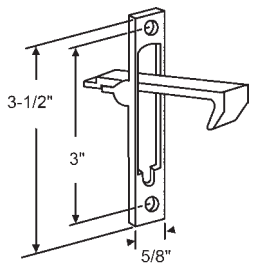


900-793
Nylon, Tan
Flush

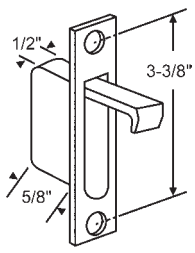


Part #	Finish
8-202	Brass Plated
8-202AB	Antique Brass Plated
8-202C	Chrome Plated

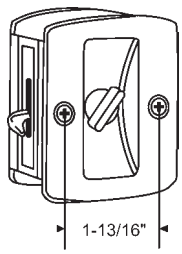
Die Cast
E-Z ROLL



900-790
Metal, Bright Brass Finish
Flush Mount Edge Pull

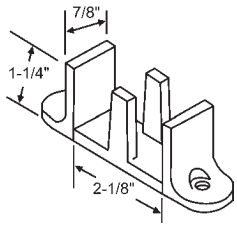


900-43
Metal, Aluminum Finish

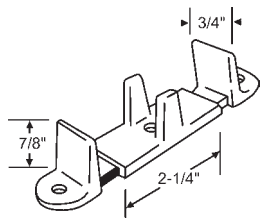


900-14604
Stamped Steel Combination Door Pull and Privacy Lock Adjusts for 1-3/8" to 1-3/4" Doors.
Polished Brass Finish
Includes Keeper.

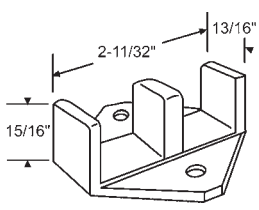
WOOD CLOSET DOOR FLOOR GUIDES/PLATES



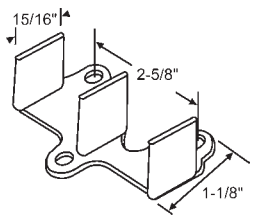
8-245
Adjusts for Doors 7/8" - 1-7/8"
Nylon



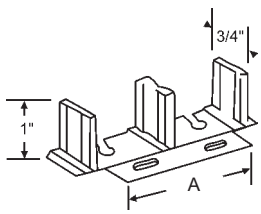
8-294
Adjusts for Doors 3/4" - 1-3/4"
Nylon, Tan - Includes Screws



8-314
Nylon, 1 Piece. Fits 3/4" Doors
E-Z ROLL

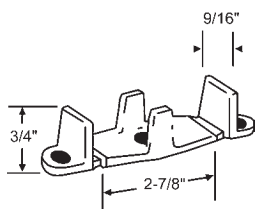


900-8114
Nylon
1 Piece. Fits 1-3/8" Doors

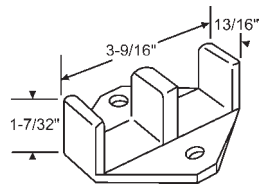


Part #	A	Adjusts for Doors
8-231	2-3/4"	3/4" - 1-3/8"
8-232	3-1/2"	1/8" - 1-3/4"

Metal w/Nylon Post. Wood Tone.

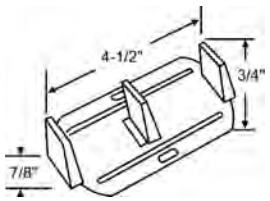


8-240
Nylon, White. Adjusts for Doors 3/4" - 1-3/4"
E-Z ROLL

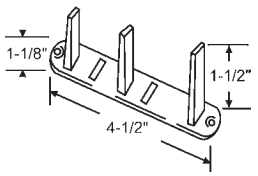


8-291
1 Piece. Floor Guide to Fit 1-3/8" Double Doors 1-1/4" High from Floor
E-Z ROLL

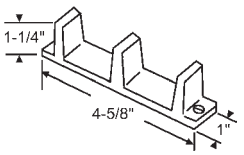
WOOD CLOSET DOOR FLOOR GUIDES/PLATES



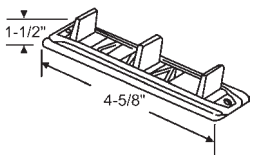
8-315
Metal with Nylon Posts
For 1-3/4" Doors



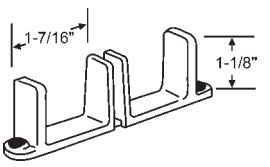
8-330
Metal with Nylon Posts
Adjusts for Doors 3/4" - 1-3/8"



8-208
One Piece Nylon with Fixed
Guides for 1-3/8"
By-Passing Doors
ACME

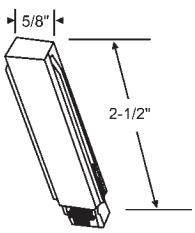


8-209-4
Metal with Nylon Posts.
Adjustable for 3/4", 1", 1-1/8" and
1-3/8" By-Passing Doors
4 per pack with Screws.
ACME

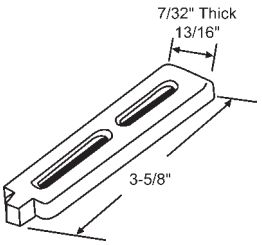


8-316
Nylon
Adjustable For 1-3/8" By-Passing
Doors 2 pieces
E-Z ROLL

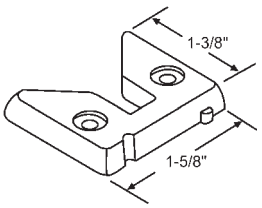
PIVOT GUIDE



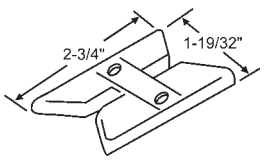
8-296
Nylon Insert Guide



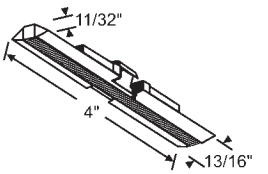
8-295
Guide Stem
PANIFLEX



900-849
Nylon. Floor Plate (Single)
PANIFLEX

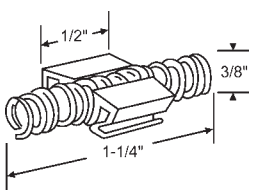


900-848
Nylon. Floor Plate (Double)
PANIFLEX

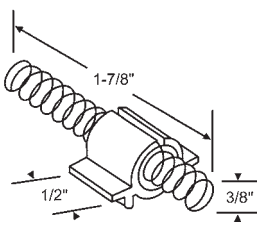


2-92
Pivot Guide
ACME

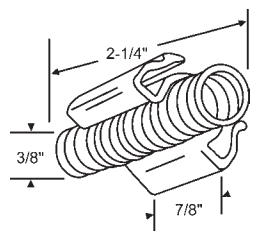
WOOD CLOSET DOOR SNUGGERS



8-213

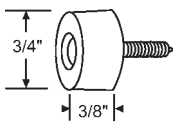


8-203

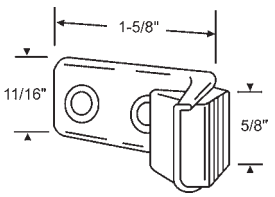


8-217

BUMPERS

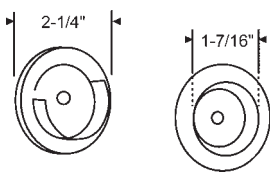


8-246
White Rubber Door Bumper
with Screw



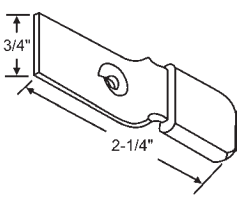
8-224
Metal Angle Stop
w/Rubber Bumper
STANLEY

CLOSET POLE SOCKET

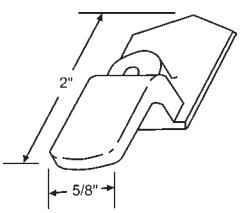


900-15321WH
White

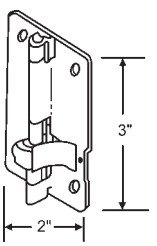
CLOSET DOOR MISCELLANEOUS ACCESSORIES



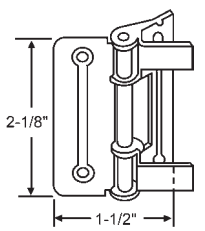
8-204
Closet Door Guide
Metal with Rubber Sleeve



8-319
White Nylon Door Guide



8-230
Door Hinge
PANIFLEX



8-236
Door Hinge

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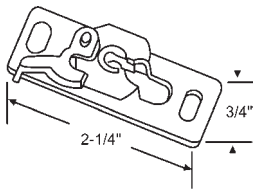
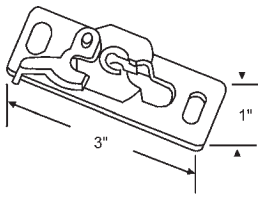
WWW.AZAHARDWARE.COM

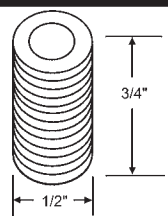
CLOSET DOOR MISCELLANEOUS ACCESSORIES



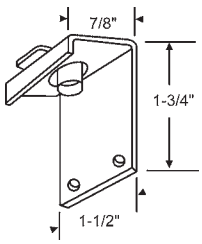
8-226
Mounting Brackets for 3-141 Rollers



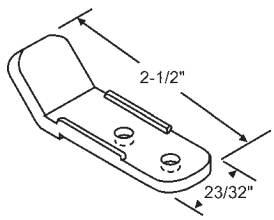
8-227
Mounting Brackets for 3-139 and 3-140 Rollers



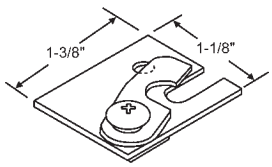
8-281
Threaded Bushing Use with 2-112 Plunger Pin



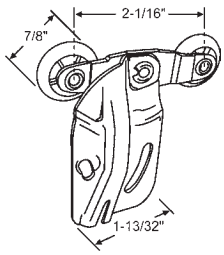
8-326
Adapter Plate



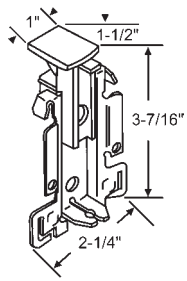
900-847
Aligner
PANIFLEX



900-8986
Cam Lock Assembly

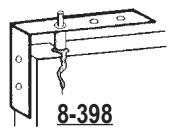


900-656
Front Dual Wheel Hanger

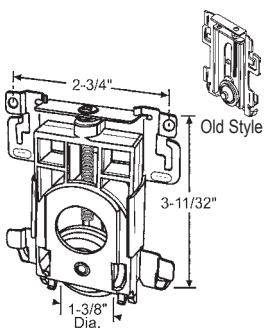


900-12459
Top Guide

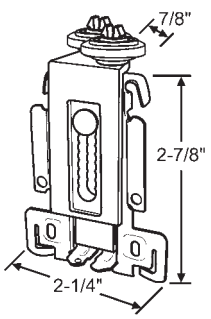
BI-FOLD DOOR REPAIR BRACKET



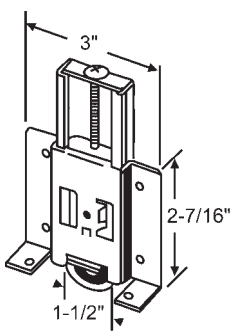
8-398
Repair split bifold door. Repair loose pivot pins. Fits all bifold doors. No drilling required attaches in minutes. Heavy metal bracket pulls a split bifold door together. Loose pivot pins welded permanently in place. Repair bracket lasts for years and years. Simply screw bracket onto the edge of split door. Not visible when installed.



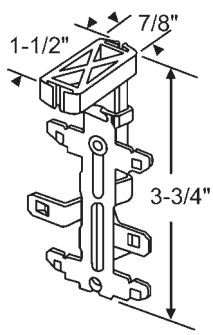
900-11827
Bottom Roller



3-386
Mirror Door Top Guide. 2 Rubber Wheels



3-227
1-1/2" All Nylon Roller

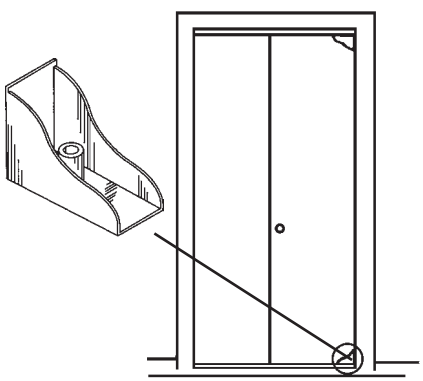


3-228
Guide Bracket

CLOSET DOOR SAVERS

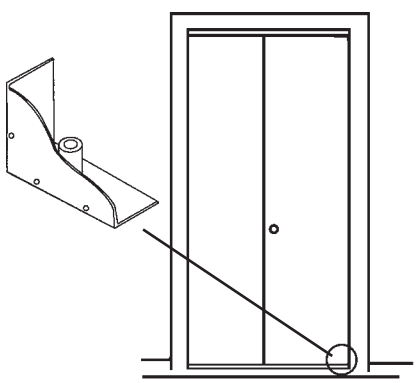
A way to repair bifold doors in minutes. Anyone who has wooden bifold doors knows the difficulty involved in repairing broken or cracked pin holes. The Closet Door Saver will quickly and economically repair a broken corner and make it sturdier than the original door. The beauty of the Closet Door Saver is the ease of installation. Simply drill a 7/8" hole over the original pin hole. Slide the Closet Door Saver over the broken corner and insert the door pin. Fasten by screws or construction adhesive. Your Door is Now Permanently required! Closet Door Savers are constructed of durable plastic.

Closet Door Saver



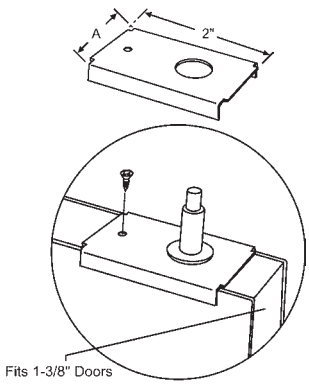
Part #	Finish
900-19405	Light Oak
900-19405D	Dark Oak
900-19405W	White

Single Sided Closet Door Saver



Part #	Finish
8-404	Light Oak
8-404D	Dark Oak
8-404W	White

Bi-Fold Door Saver Bracket



Part #	A
2-138	1-1/16"
2-139	1-1/4"
2-140	1-1/2"

Steel

BI-FOLD DOOR TRACK SETS

Includes the Following:

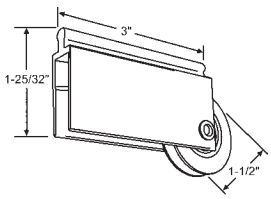
1. Roll form steel painted white top track.
2. Hardware bag includes 3/8" top and bottom pivots, top and bottom brackets, hinges, aligners, wood knobs, snugger and screws.
3. Instruction sheet.

Sold by the set in multiples of 5.

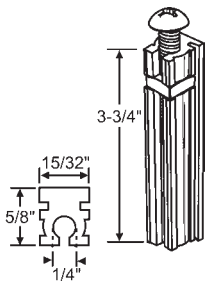
For use with 1" to 1-3/8" solid wood doors weighing up to 30lbs. each

Part Number	Length	Doors
8-562-4	4'	4
8-562-5	5'	4
8-562-6	6'	4

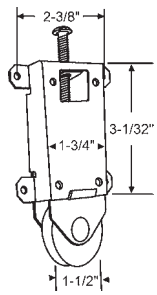
CW MIRROR BY-PASS DOOR HARDWARE



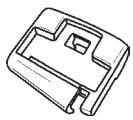
900-8319
Round-top Mirror Door Roller. Nylon Wheel
MONARCH



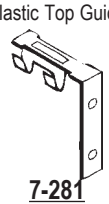
900-10252



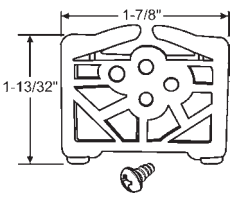
3-348
Wardrobe Door Bottom Roller with Angled Tang. Nylon Wheel



7-280
Plastic Top Guide

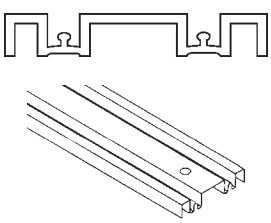


7-281
Metal Top Guide Bracket



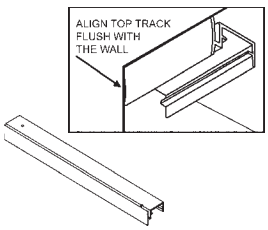
900-21382
Nylon Mirror Door Guide with Screw

CW MIRROR BI-FOLD DOOR HARDWARE



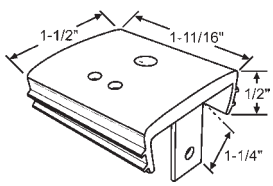
Part #	Length
8-636-5	5ft
8-636-6	6ft
8-636-8	8ft

Ultra Glide Track, 3" Wide Steel w/ Aztec Gold Finish.

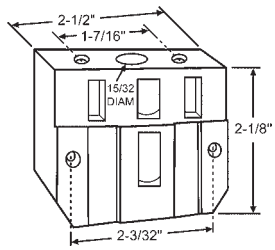


Part #	Length
8-635-5	5'
8-635-6	6'
8-635-8	8'

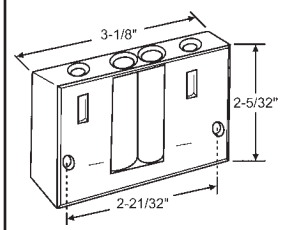
Top and Bottom Steel Track. 3" Wide



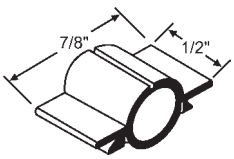
8-645
Mirror Door Guide & Bracket. Flexible Plastic Top Guide w/ Steel Mounting Bracket
MONARCH



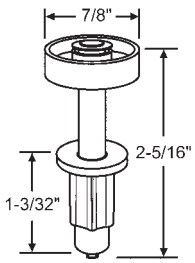
8-647
Corner Connector for Mirror Door



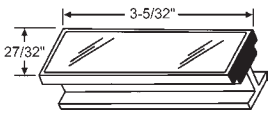
8-324
Corner Connector for Mirror Door



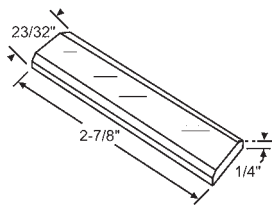
8-634
Tension Clip



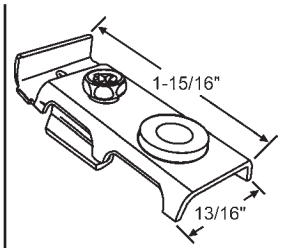
2-142
Guide Pin



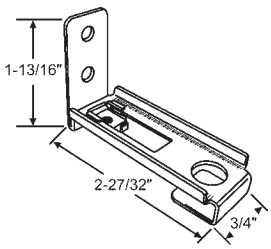
8-633
Mirror Handle



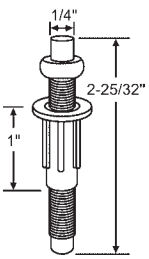
8-473
Stick on Mirror Pull.



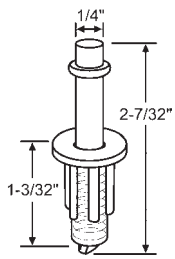
7-279
Pivot Block Clamp



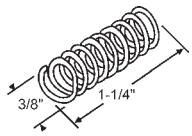
7-278
Pivot L-Bracket



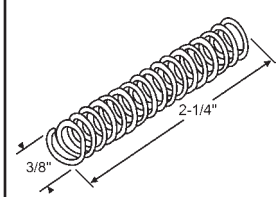
2-143
5/32" Female Hex Threaded Pivot



2-144
Top Spring Pivot Pin



5-120
Small Spring



5-121
Large Spring

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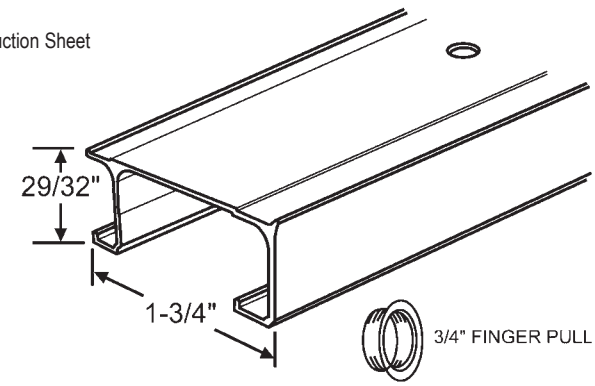
E-Z ROLL SLIDING DOOR TRACK SETS

7000 Series Sliding Door Track Set for 3/4" and 1-3/8" by-passing doors up to 50 lbs. each

- Track Made of Extruded Aluminum
- Nylon Wheels for Smoother and Quieter Operation
- Simple Adjustment with Screwdriver
- Complete with All Necessary Hardware and Instruction Sheet
- Packed 3 Sets to a Master Carton

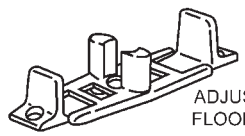
Part #	Description
7048HU	46-1/2" for 4' Opening
7060HU	58-1/2" for 5' Opening
7072HU	70-1/2" for 6' Opening

Aluminum Track Sets
Packed and Sold Three Sets per Tube.
Each Set Includes all Necessary Hardware.

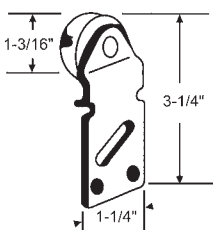


SMALL OFFSET FRONT HANGER FOR 3/4" OFFSET

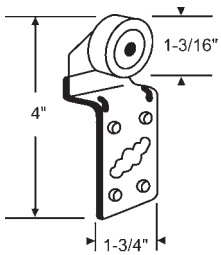
LARGE OFFSET REAR HANGER FOR 1-3/8" OFFSET


ADJUSTABLE FLOOR GUIDE

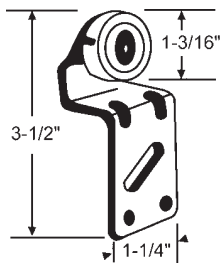
E-Z ROLL UNIVERSAL HANGERS FOR SLIDING DOOR TRACK SETS



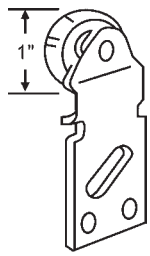
3-193
Front Hanger w/Nylon Wheel, 1/16" Offset



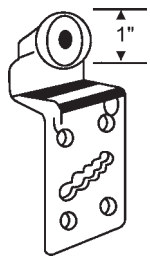
3-194
Rear Hanger w/Nylon Wheel, 5/8" Offset



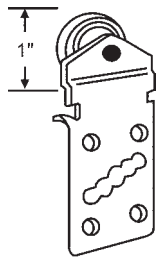
3-195
Rear Hanger w/Nylon Wheel, 1-3/8" Offset



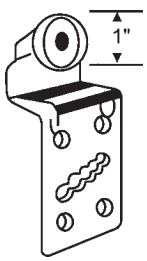
900-1304
Front Hanger w/Ball Bearing Wheel 1/16" Offset



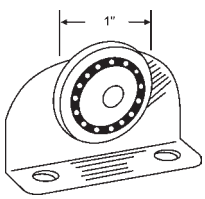
900-1305
Rear Hanger w/Ball Bearing Wheel 1-1/2" Offset



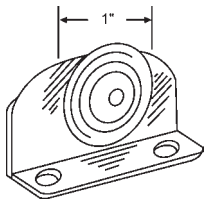
900-1308
Front Hanger w/Nylon Wheel, 1/16" Offset



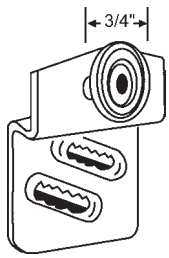
900-1305N
Rear Hanger w/Nylon Wheel, 1-1/2" Offset



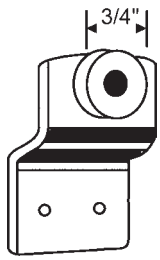
900-1306
Top Mounting Hanger for Single Pocket Door w/Ball Bearing Wheel



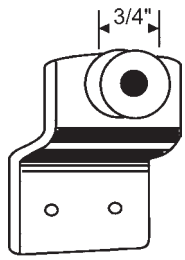
900-1307
Top Mounting Hanger for Single Pocket Door w/ Nylon Wheel



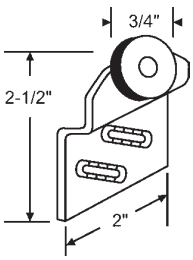
900-1314
Screen & Patio Door Hanger w/Nylon Wheel 3/8" Offset



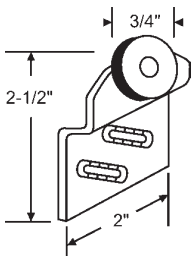
3-382
Front Hanger for Wardrobe w/Nylon Wheel, 1/8" Offset



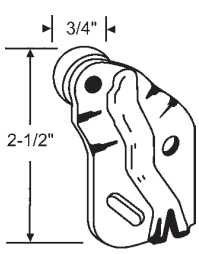
3-381
Rear Hanger for Wardrobe w/Nylon Wheel, 3/8" Offset



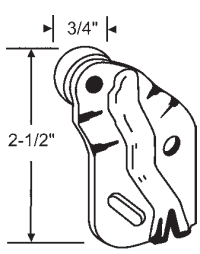
3-165
Front Hanger w/Nylon Wheel, 1/4" Offset



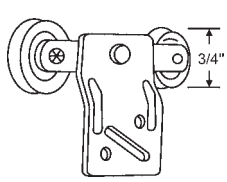
3-164
Rear Hanger w/Nylon Wheel, 1/2" Offset



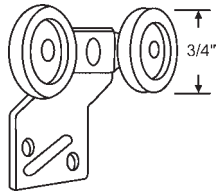
3-190
Front Hanger w/Nylon Wheel, 1/4" Offset



3-191
Rear Hanger w/Nylon Wheel, 1/2" Offset

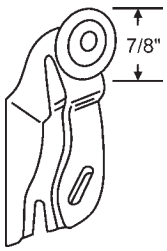


900-1301
Front Hanger Twin Wheels 1/4" Offset

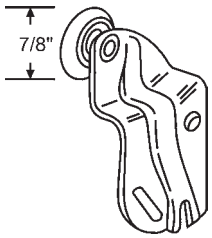


900-1300
Rear Hanger Twin Wheels 1/2" Offset

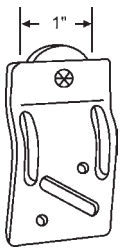
E-Z ROLL UNIVERSAL HANGERS FOR SLIDING DOOR TRACK SETS



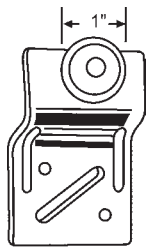
900-1318
Front Hanger w/Nylon Wheel, 3/16" Offset



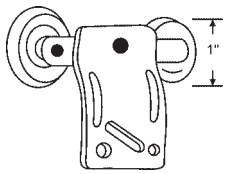
900-1317
Rear Hanger w/Nylon Wheel, 1/2" Offset



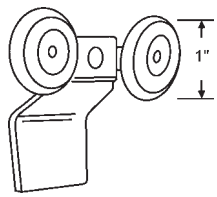
900-1312
Front Hanger 3/16" Offset



900-1313
Rear Hanger 1/2" Offset

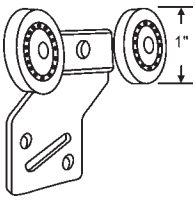


900-1298
Front Hanger Twin Wheel 3/16" Offset

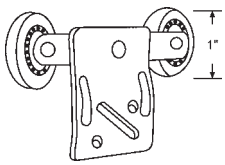


900-1299
Rear Hanger Twin Wheel 1/2" Offset

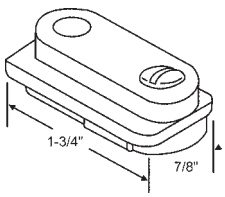
E-Z ROLL REPLACEMENT HARDWARE FOR FOLDING BI-FOLD DOORS



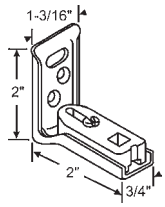
900-1302
H.D. Front Hanger Twin Wheel w/Ball Bearing Wheel, 3/16" Offset



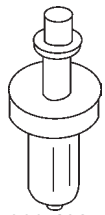
900-1303
H.D. Rear Hanger Twin Wheel w/Ball Bearing Wheel, 1/2" Offset



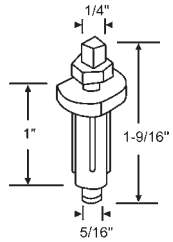
7-251
Top Bracket



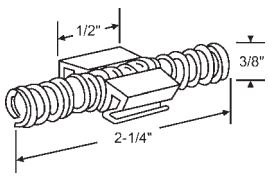
7-250
Bottom Bracket



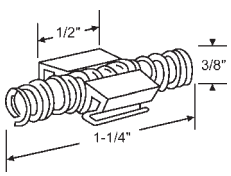
900-1325
Top Pivot Spring Loaded



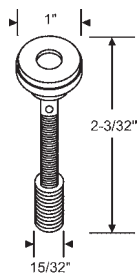
2-114
Bottom Pivot



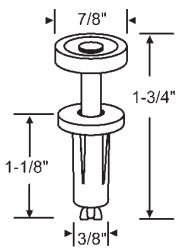
8-491
Snugger for 4 Doors



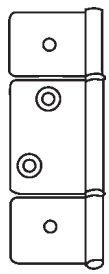
8-213
Snugger for 2 Doors



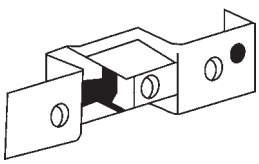
2-112
Top Rolling Guide (For replacing older hardware) 8-281 Bushing Only. 2-111 Pin Only



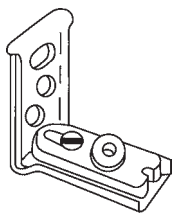
2-104
Top Rolling Guide Spring Loaded
ACME



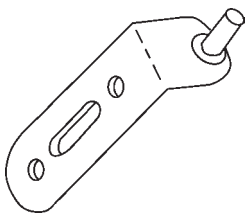
8-356
3 Wing Non Mortise Hinges



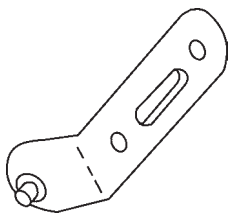
900-16386
Top Bracket



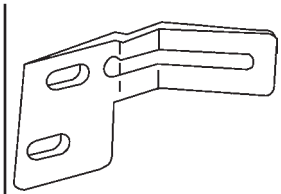
900-16387
Bottom Bracket



900-16388
Top Pivot

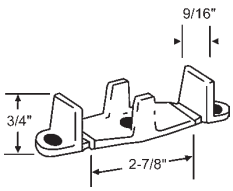


900-16389
Bottom Pivot

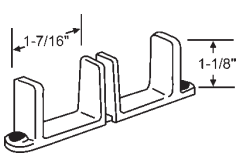


8-490
Door Aligner for 4 Doors

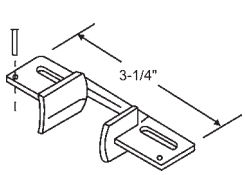
E-Z ROLL UNIVERSAL FLOOR GUIDES



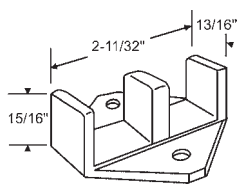
8-240
3 Piece. Floor Guide, Adjustable to Fit 3/4" or 1-3/8" Thick Doors



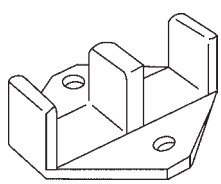
8-316
2 Piece. Floor Guide, Adjustable to Fit 1-3/8" Thick Doors, 1-1/4" High from Floor.



8-313
1 Piece. Nylon Guide for Single Pocket Door



8-314
1 Piece. Floor Guide to Fit 3/4" Doors



8-288
1 Piece. Floor Guide to Fit 1-1/8" Doors

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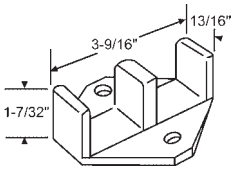
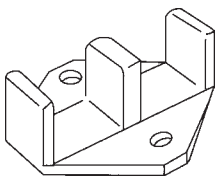
E-Z ROLL UNIVERSAL FLOOR GUIDES

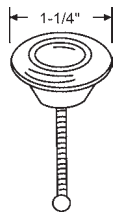


8-291
1 Piece. Floor Guide
to Fit 1-3/8" Double Doors
1-1/4" High from Floor

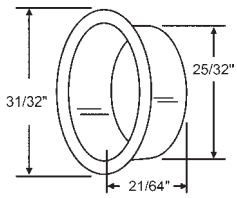


8-421
1 Piece. Floor Guide to Fit
1-3/4" Doors

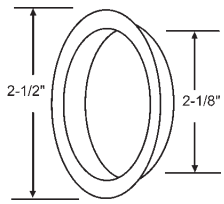
E-Z ROLL UNIVERSAL DOOR FINGER PULLS



8-489
1-1/4" Nylon Plastic Pull Knob

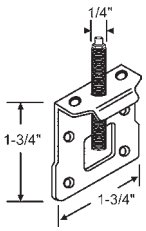


Part #	Hand
900-616	Brass Plated
900-616SN	Satin Nickel

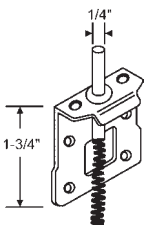


8-202
Brass Plated

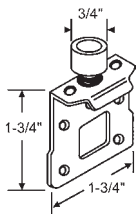
PANIFLEX CLOSET DOOR HARDWARE



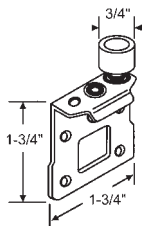
2-69
Bottom Pivot



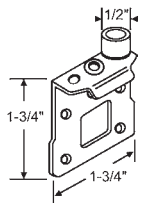
2-68
Top Pivot



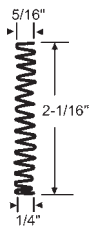
2-67
Roller Bracket



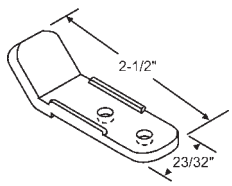
Part #	Hand
2-66	Shown
2-65	Opposite



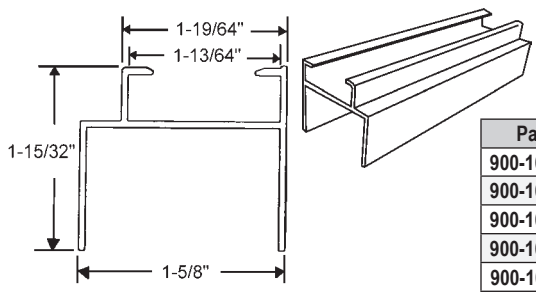
Part #	Hand
2-71	Shown
2-70	Opposite



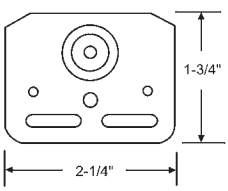
5-54
Top Pivot Spring



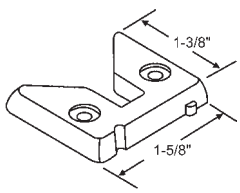
900-847
Door Aligner



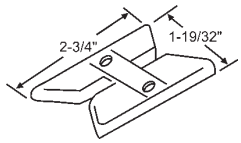
Part #	Size
900-16703-A	4 ft.
900-16703-B	6 ft.
900-16703-C	8 ft.
900-16703-D	10 ft.
900-16703-E	12 ft.



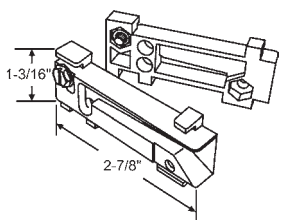
7-201
Metal Floor Plate



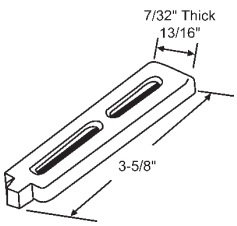
900-849
Nylon Floor Plate (Single)



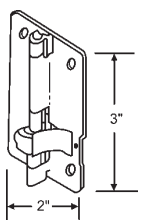
900-848
Nylon Floor Plate (Double)



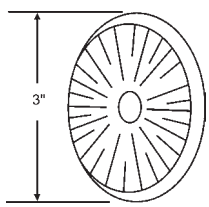
7-235A
Sold as Set (1 LH,1 RH). Nylon



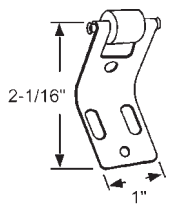
8-295
Guide System



8-230
Cam Hinge

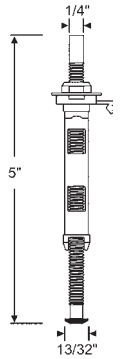


8-332
Brass Back Plate



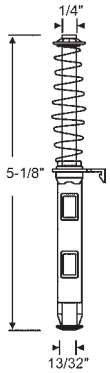
900-851
Pivot Aligner. 31/64" Dia. x 1/2" Width
Nylon Roller

FLOATAWAY CLOSET DOOR HARDWARE



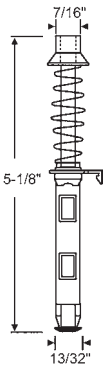
Assembly # 1-103	
Square Nut	6-157
Speed Nut	6-161
Pin Sleeve	900-6656

Pin Assembly with Plastic Sleeve



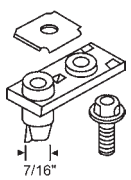
Assembly # 1-104	
Spring	5-59
Push Nut	6-122

Pin Assembly with Plastic Sleeve

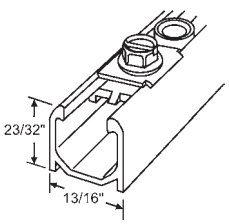


Assembly # 1-105	
Cap	4-106
Spring	5-59

Pin Assembly with Plastic Sleeve

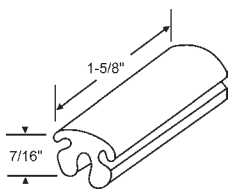


7-223
Nylon

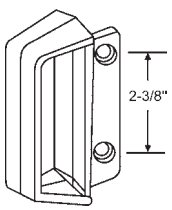


Part #	Size
8-350-3	3 ft.
8-350-4	4 ft.
8-350-6	6 ft.
8-350-8	8 ft.

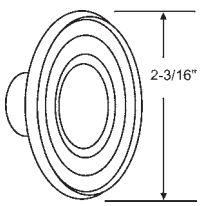
Pivot Bracket Not Included



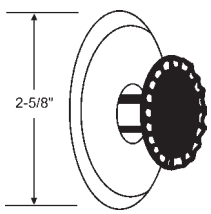
8-304
White



8-305
White

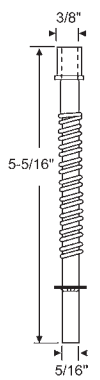


8-349
Plastic Door Knob
White



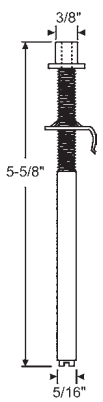
Part #	Finish
8-228B	Bronze
8-228A	Polished Aluminum

SLIMFOLD CLOSET DOOR HARDWARE



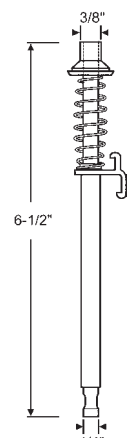
Assembly # 1-184	
Cap	4-103
Spring	5-50
Push Nut	6-111

Bi-fold Pin Assembly



Assembly # 1-174	
Cap	4-117
Threaded Tinnerman	6-145

Bi-fold Bottom Pivot Rod Assembly



Assembly # 1-102	
Cap	4-120

Bi-fold Spring Loaded Guide Rod Assembly

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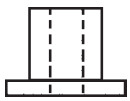
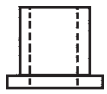
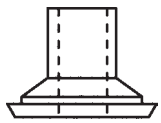
SLIMFOLD CLOSET DOOR HARDWARE



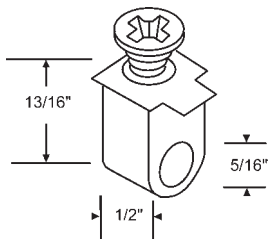
4-117
Fits Pins 1-174, 1-197, 1-232, 1-261



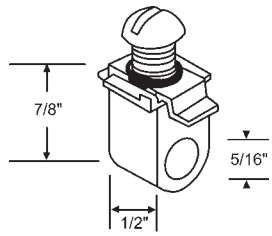
4-103
Fits Pins 1-183, 1-184



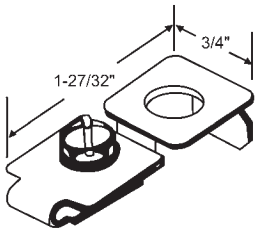
4-120
Fits Pin 1-102



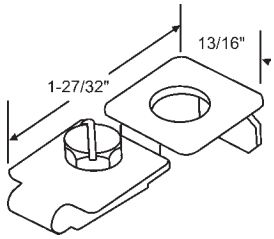
7-231
Nylon
New Style



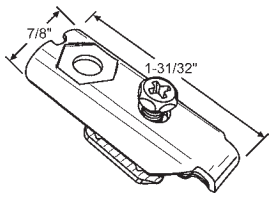
7-231OS
Nylon
Old Style



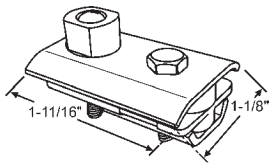
7-200
Pivot Bracket
Metal



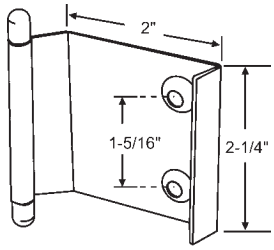
7-272
Bi-fold Track Socket with Screw
Metal



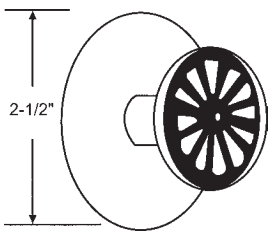
7-273
Pivot Bracket



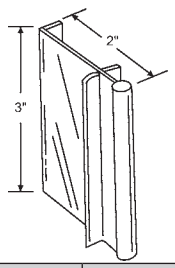
7-256
Top Pivot Retainer. Includes One #10-32 x 3/4" Hex Screw.



8-278
Door Pull Set. Chrome

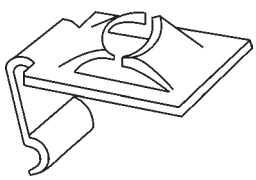


8-258
Brass
8-327 Knob, 8-321 Back Plate

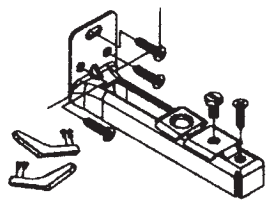


Part #	Finish
8-414	Bright Gold
8-414W	Bright White

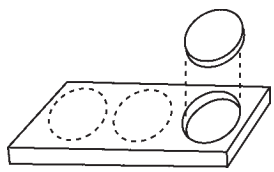
Self-Adhesive



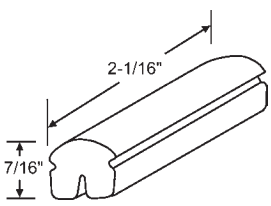
6-145
Retainer Clip
5/16" - 18 Threaded
Used with 1-138A, 1-155, 1-174,



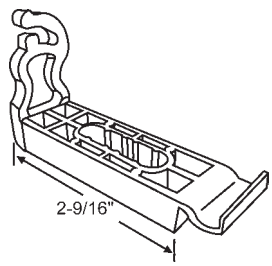
7-277
Bottomless Track Bracket



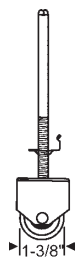
900-7429
Bi-fold Plastic Silencer
Clear - 3 Per Pad



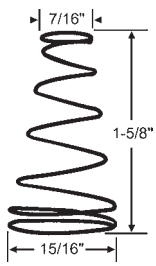
8-279
Gray Bi-fold Track Bumper



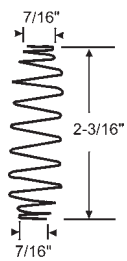
8-409
Bypass Top Guide



900-12272N
New Style



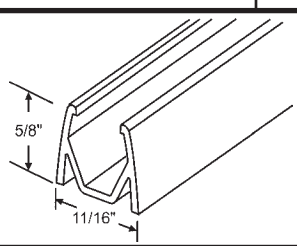
5-62
Spring



5-69
Spring

900-7431
#10 - 3/4" Pan Head Bottom Track Screws

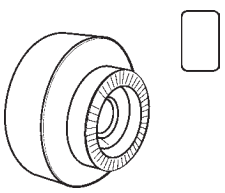
900-7430
#10 - 1-3/4" Pan Head Top Track Screws



Part #	Size
900-8395	59-1/2"
900-8395-2	23-1/2"
900-8395-3	35-1/2"
900-8395-6	71-1/2"

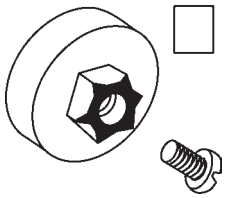
Two-Panel Aluminum Track Mill

SHOWER DOOR ROLLERS



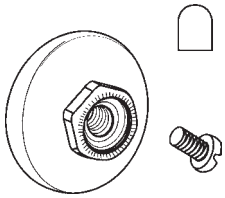
Part #	Dia.	Wide	Hub
900-18675	5/8"	1/4"	13/32"

Steel Hub, Hex End, Flat Plastic Wheel



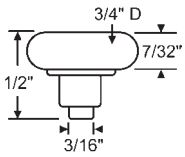
Part #	Dia.	Wide	Hub
21-50-2	3/4"	1/4"	3/8"

Nylon
Pack of two with screws

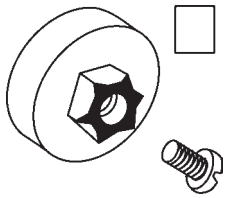


Part #	Dia.	Wide	Hub
21-51-2	3/4"	1/4"	3/8"

Nylon
Pack of two with screws

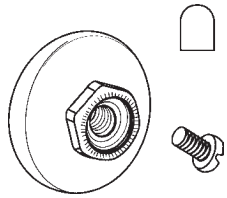


1081P



Part #	Dia.	Wide	Hub
21-66-2	7/8"	1/4"	3/8"

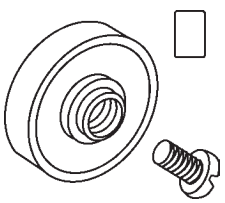
Nylon
Pack of two with screws



Part #	Dia.	Wide	Hub
21-52-2	7/8"	5/16"	3/8"

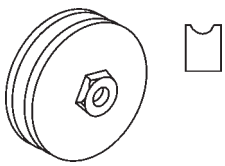
Nylon
Pack of two with screws

ROLLER ASSEMBLIES



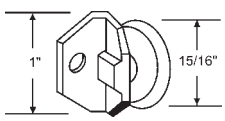
Part #	Dia.	Wide	Hub
21-53	1-1/16"	7/32"	9/32"

Nylon
21-53S for Screw Only.

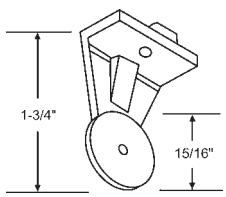


Part #	Dia.	Wide	Hub
21-69BR	1"	1/4"	3/8"

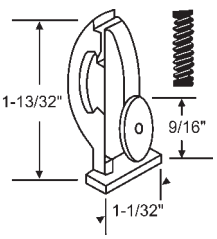
Celcon
8-32 Thread



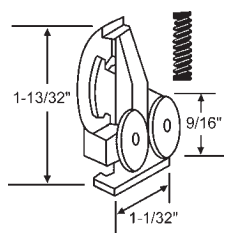
21-63
Nylon
TUBMASTER



21-64
Shower Door Roller with Bracket Nylon
TUBMASTER

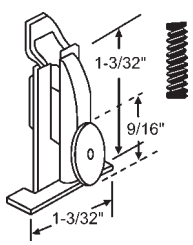


21-60
Shower Roller. 1 Wheel
Nylon

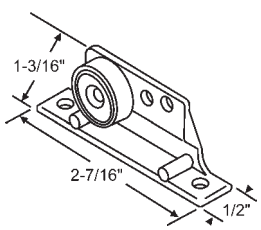


21-59
Shower Door Roller
Nylon

ADJUSTING ROLLER ASSEMBLIES

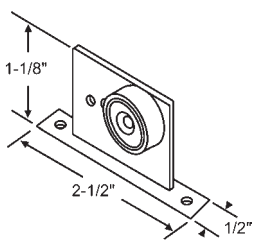


21-62
Shower Door Roller
Nylon w/Aluminum Bracket

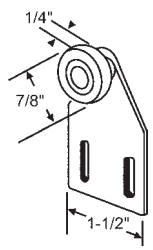


Part #	Roller	Handed
21-57	21-50	Shown

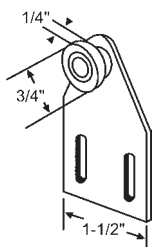
No Longer Available
Use: 21-57NS and 21-58NS



Part #	Roller
21-57NS	21-50
21-58NS	21-51

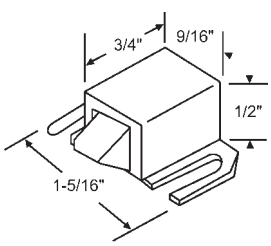


21-54
Door Roller with Bracket



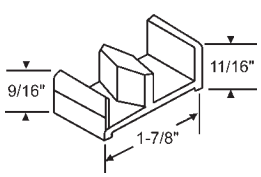
21-56
Door Roller with Bracket
Roller Only 21-50

LATCH

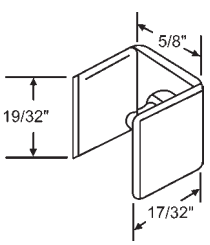


22-54
Stainless Steel Housing

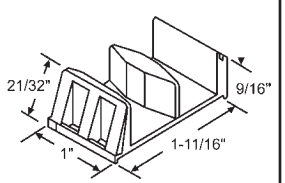
SHOWER DOOR GUIDES



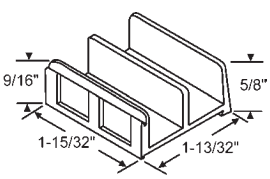
22-50
Nylon



22-51
Nylon



900-6426
Open Track Guide



900-17327

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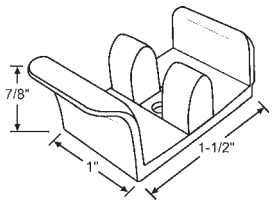
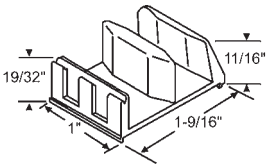
WWW.AZAHARDWARE.COM

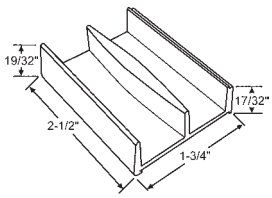
SHOWER DOOR GUIDES



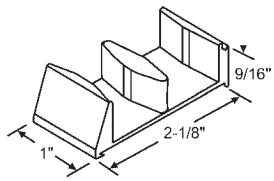
22-113
White Nylon
KELLER



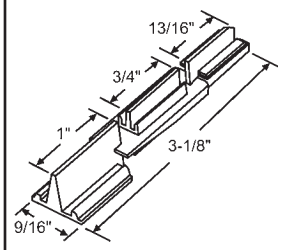
900-17497



22-141
White Nylon
PETERSON

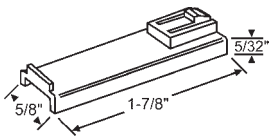


900-10563

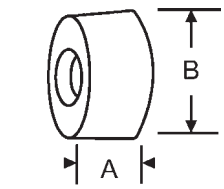


22-203
Bottom Guide
Nylon

BUMPERS

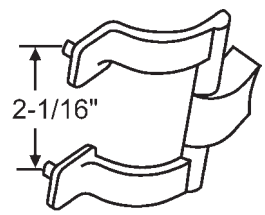


900-6779
White. Nylon

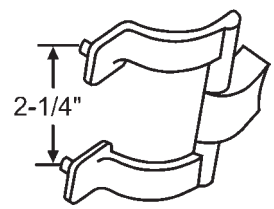


Part #	A	B	Finish
16-105	3/8"	15/16"	Gray
16-107	7/32"	3/4"	White
22-65	1/4"	3/4"	Clear

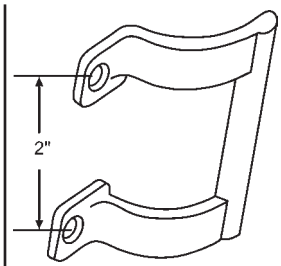
SHOWER DOOR HANDLES



22-83
Chrome Handle
with Towel Bar Insert

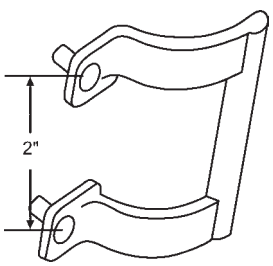


900-10709
Chrome

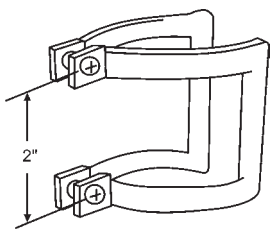


22-67
Chrome
No Longer Available.
Use: 22-67PA

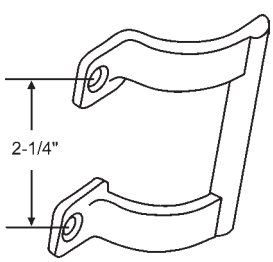
SHOWER DOOR ACCESSORIES



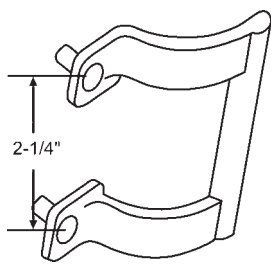
22-67P
Chrome



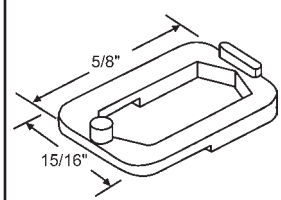
22-67PA
Shower Door Handle Set
Chrome Plated with Screws.
Complete Bracket Assembly



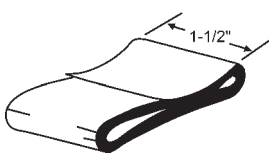
900-9079
Chrome



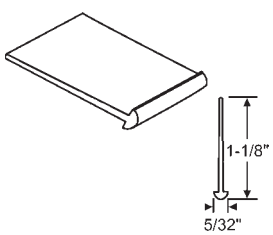
900-10496
Chrome



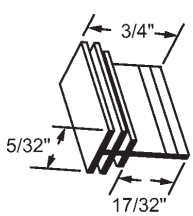
900-6060
Adjusting Bracket



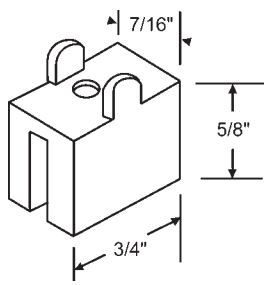
22-52
Shower Door Seal
Gray. 36" Long



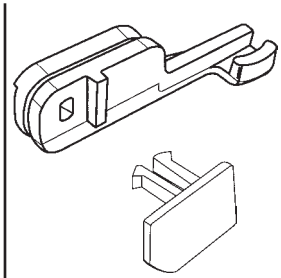
22-103
1-1/8" Shower Door Sweep



900-15993
36" Shower Door Sweep
Used on Hinged Shower Doors
Gray Vinyl

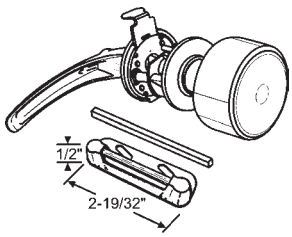


22-60
Hinge Guide



22-71A
Slide Guide with Pin

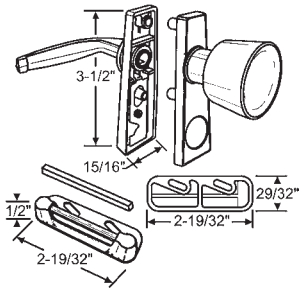
STORM DOOR KNOB/PUSH PULL LATCH SETS



Tulip Knob Latch, Single Hole

Part #	Color
17-52	Aluminum

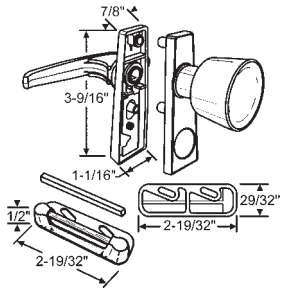
- Fits doors 1" - 1-1/4" thick
- Resilient strike
- Installs in single hole bore 1-1/4" diameter



Tulip Knob Latch

Part #	Color
17-59	Black
17-60	Aluminum

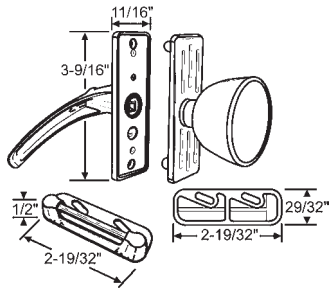
- Resilient strike
- 1-3/4" installation hole spacing
- Fits doors 1" - 1-1/4" thick



Tulip Knob Latch "No Lock Out" Feature

Part #	Color
17-61	Aluminum

- Solid strike
- 1-3/4" installation hole spacing
- "No Lock Out" feature prevents accidental lock out
- Fits doors 7/8" - 1-1/4" thick

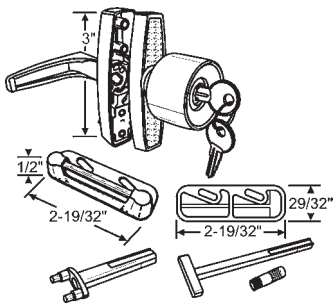


Tulip Knob Latch

Part #	Color
17-50	Aluminum
17-51	Black

- Resilient strike
- 3" installation hole spacing
- Fits doors 1" - 1-1/4" thick

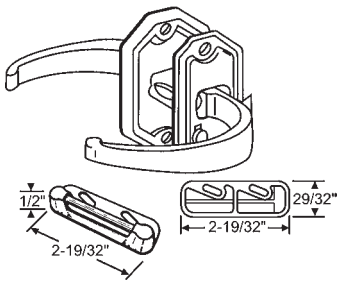
STORM DOOR PUSH BUTTON LATCH SET



Tulip Key-In-Knob Lock (3")

Part #	Color
900-7320	Aluminum

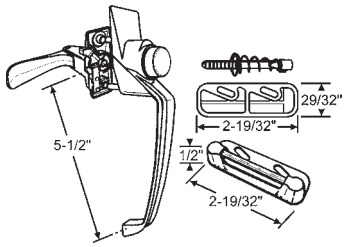
- Resilient strike
- 3" installation hole spacing
- Key lock for extra security
- Fits doors 7/8" - 1-3/8" thick



Push Pull Latch

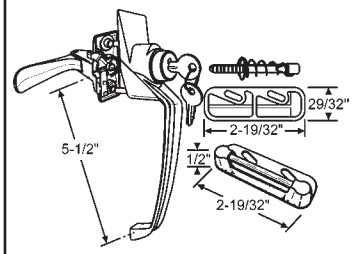
Part #	Color
17-67	Aluminum

- Popular for wood door applications.
- Resilient strike
- Installs in 1" diameter single hole bore
- Fits Doors 1" - 1-1/4" Thick



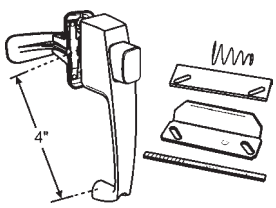
Part #	Color
17-65	Aluminum
17-66	Black

- Resilient strike
- 1-1/2" mounting hole spacing
- Fits doors 1" - 1-1/4" thick
- Tie down type
- No Key Lock



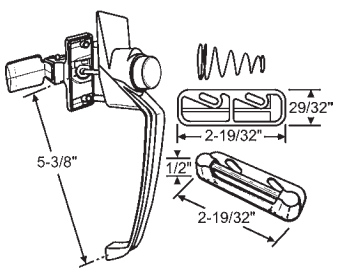
Part #	Color
17-66K	Black

- Resilient strike
- 1-1/2" mounting hole spacing
- Fits doors 1" - 1-1/4" thick
- Tie down type
- With Key Lock



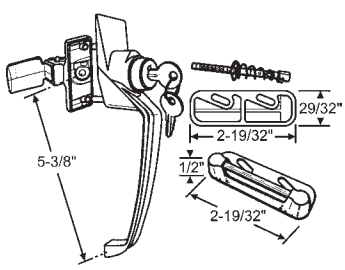
Part #	Color
17-58B	Black
17-58W	White

- Resilient strike
- 1-3/4" installation hole spacing
- Fits doors 1" - 1-1/4" thick
- Tie down type



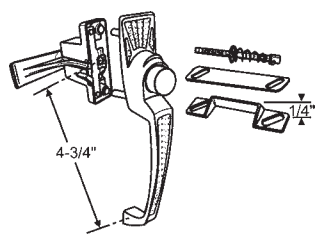
Part #	Color
17-82A	Aluminum
17-82	Black
17-82W	White

- Resilient strike
- 1-3/4" mounting hole spacing
- Fits doors 5/8" - 1-1/4" thick
- Tie down type
- No Key Lock



Part #	Color
17-82KB	Black

- Resilient strike
- 1-3/4" mounting hole spacing
- Fits doors 5/8" - 1-1/4" thick
- Tie down type
- With Key Lock



Part #	Color
17-73	Aluminum
17-72	Black

- Solid strike
- 1-3/4" installation hole spacing
- "No Lock Out" feature prevents accidental lock out
- Fits doors 5/8" - 1-1/4" thick

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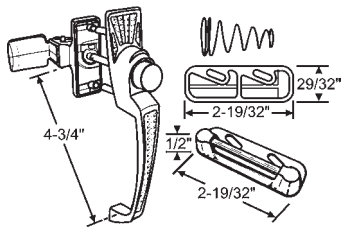
STORM DOOR PUSH BUTTON LATCH SET

Part #	Color
17-83KB	Black

- Heavy duty, solid strike with resilient inside handle
- Button pin handle
- 1-3/4" mounting hole spacing
- Fits doors 7/8" - 1-1/4" thick
- Push button unit furnished w/calibrated metal spindle & spring
- Anti-lockout feature

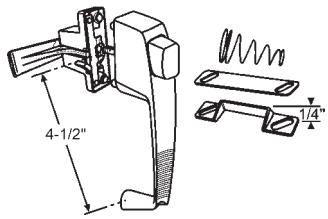
Part #	Color
17-83B	Black

- Heavy duty, solid strike with resilient inside handle
- Button pin handle
- 1-3/4" mounting hole spacing
- Fits doors 7/8" - 1-1/4" thick
- Push button unit furnished w/calibrated metal spindle & spring



Part #	Color
17-53	Aluminum
17-54	Black

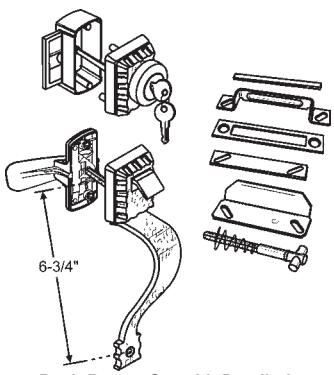
- Resilient strike
- 1-3/4" installation hole spacing
- Fits doors 1" - 1-1/4" thick



Part #	Color
900-7339	Aluminum
900-7339BL	Black
900-7339W	White

Heavy Duty Push Button Latch

- Solid strike
- 1-3/4" installation hole spacing
- "No Lock Out" feature prevents accidental lock out
- Fits doors 1" - 1-1/4" thick



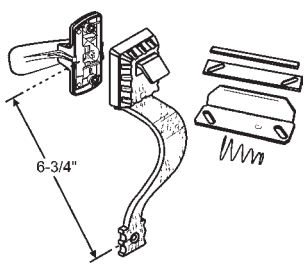
Push Button Set with Deadbolt

Part #	Color
900-13554K	Black

Deadbolt Only

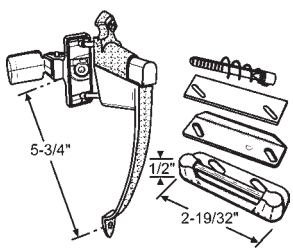
Part #	Color
900-13554DB	Black

- Mounting hole center 1-3/4"
- Fits doors 1" - 1-1/4" Thick



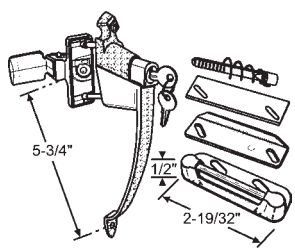
Push Button Set Only

Part #	Color
900-13554	Black
900-13554BR	Brass with Black Internal Latch



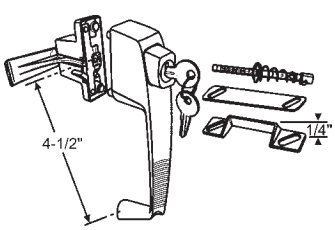
Part #	Color
17-181	Black

- Colonial Tie Down Push Button
- No Key Lock



Part #	Color
17-181K	Black

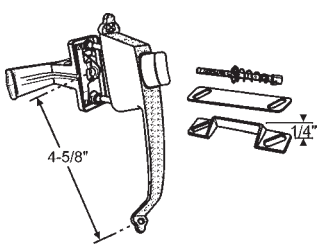
- Colonial Tie Down Push Button
- With Key Lock



Part #	Color
900-7339KBL	Black

Heavy Duty Push Button Latch

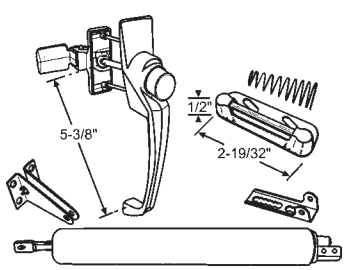
- Solid strike
- 1-3/4" installation hole spacing
- "No Lock Out" feature prevents accidental lock out
- Furnished with 2 Brass Keys
- Fits Doors 1" - 1-1/4" Thick



Part #	Color
900-14570	Black

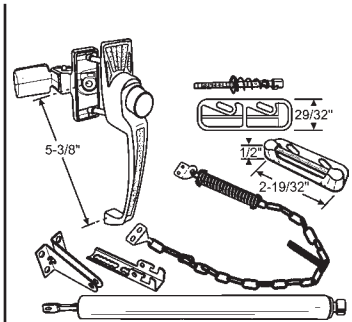
Colonial Heavy Duty Push Button Latch

- Solid strike
- 1-3/4" installation hole spacing
- "No Lock Out" feature prevents accidental lock out
- Fits Doors 1" - 1-1/4" Thick



Part #	Color
19-709B	Black
19-709AL	Aluminum
19-709W	White

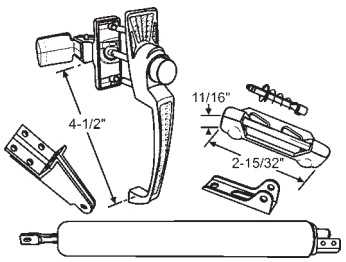
Storm Door Hardware Kit.
Does Not Include Chain



Part #	Color
19-199B	Black

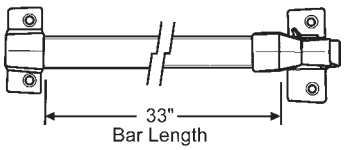
Storm Door Hardware Kit with Chain
Steel Tube

STORM DOOR PUSH BUTTON LATCH SET



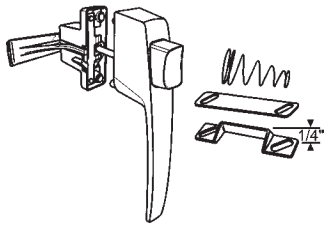
Part #	Color
19-376W	White
19-376BR	Bronze

Corrosion Resistant. Ideal for Coastal Applications. Includes Pneumatic Door Closer, Heavy Duty Plastic Jamb Bracket, Push-Button Latch with 1-3/4" Installation Hole Spacing, Screws, and Instructions



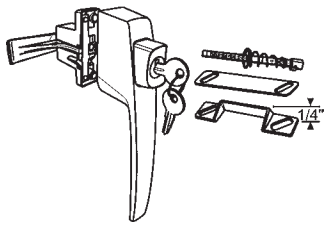
Part #	Color
17-301-3	White
17-301-10	Black

Touch Bar Latch. Fits up to 36"



Part #	Color
17-70	Aluminum
17-70W	White
17-71	Black

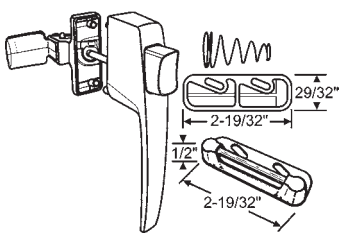
- Solid strike
- 1-3/4" installation hole spacing
- "No Lock Out" feature prevents accidental lock out
- Fits doors 5/8" - 1-1/4" thick
- No Key Lock



Part #	Color
17-70K	Aluminum
17-71K	Black

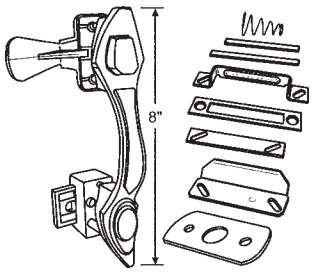
- Solid strike
- 1-3/4" installation hole spacing
- "No Lock Out" feature prevents accidental lock out
- Fits doors 5/8" - 1-1/4" thick
- With Key Lock

VP PULL HANDLE SET



Part #	Color
17-56	Black
17-55	Aluminum

- Resilient strike
- 1-3/4" installation hole spacing
- Fits doors 1" - 1-1/4" thick

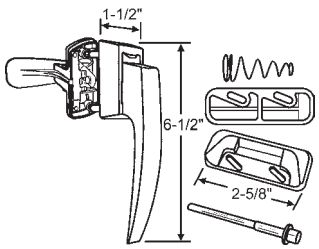


Part #	Color
17-127	Brass Finish
17-127AB	Antique Brass
17-127B	Black

Quincy Push Button Latch Set

- Elegant Styled Handle with Interior Deadbolt
- "No Lock Out" Feature
- 1-3/4" Hole Spacing
- Installs in six 5/16" Diameter Holes
- Handle: 8"
- Reversible

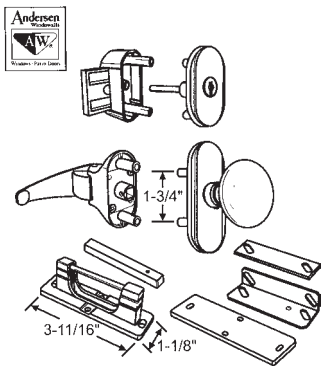
LOCKING HANDLE SET



Part #	Color
17-191-1	Black
17-191-3	White

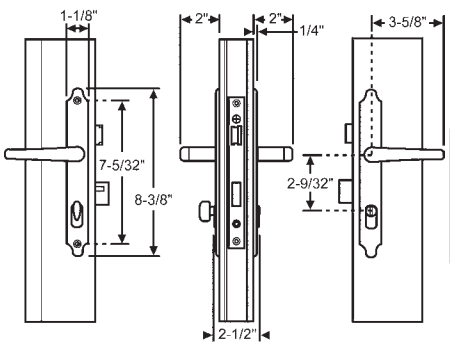
1-3/4" Hole Spacing. Operates with a single natural smooth action.

IDEAL



Part Number	Exterior Finish	Interior Finish
900-22536	Black	White
900-22536PB	Polished Brass	White
900-22536PB/AD	Polished Brass	Almond

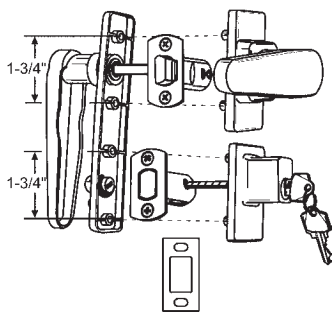
LEVER LATCH SETS



Part #	Finish
19-466	Polished Brass
19-466B	Black
19-466SNK	Satin Nickel
19-466W	White

Complete Handle Set with Mortise Lock, Single Deadbolt & Strike

LARSON



Part #	Interior	Exterior
17-128SCH	Satin Chrome	Satin Chrome

Storm Door Lever Set w/ Key & Deadbolt
1-3/4" Hole Centers

TEMO

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LEVER LATCH SETS

Beautifully Designed, Classically Styled Lever Handle with an Elegantly Sculptured Escutcheon

Lever Latch Set with Keyed Deadbolt

Part #	Color
17-25BK	Black
17-25WK	White
17-25BRSK	Brass

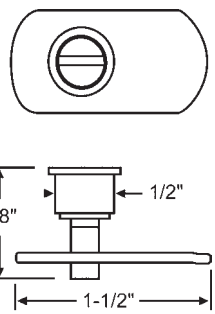
Lever Latch Only

Part #	Color
17-25B	Black
17-25W	White
17-25BRS	Brass
17-25SV	Silver

• Positive Key Locking Deadbolt for Security • Strong Leveling Return Spring Eliminates Lever Droop • Fits Doors 1" to 2-1/4" Thick • 1-3/4" Hole Spacing - Upper and Lower Trims • Install in 5/16" Diameter Holes • For Doors with a Stile Greater Than 2" • Escutcheon Width 1-5/8" • Escutcheon Length: Upper 2-3/4", Lower 4-7/16" • Lever Projection 2-1/8" (From Door) • Backset - Variable with Several Strike Options Included • Lever Length from Center of Hub: 4" • Non-Handed, Designed to Complement Both Right and Left Hand Doors • Escutcheon Plate Included for Use with Inside Latch

The newly redesigned Model 17-155 is a solid brass screen or storm door latch set. The lock case, escutcheon plate and strike are hot-forged and precision machined for smooth operation. The spring mechanism is stainless steel. The lever and threaded spindle are hot-forged in one piece for added strength, and the knob is turned from brass bar stock. The latch set is supplied with an angle strike and a rim strike. Backset is 1-9/16". The threaded spindle allows easy adjustment for door thicknesses of 1-1/8" to 1-3/4". Thinner doors can be accommodated by cutting the spindle.
Dimensions: Case 2-1/4" X 2"
Back Plate 1-1/4" X 4" Knob 1-5/8" diameter
Overall Depth: Lever side 1-7/16" Knob side 1-1/2"

Part #	Finish
17-155	Polished Lacquered
17-155SNK	Satin Nickel



19-319

The Model 19-319 cam fastener is a solid brass assembly designed to fasten wood storm or screen inserts into a combination door or other frame. The standard finish is unlacquered.

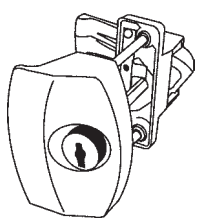
TRAILER LATCH SETS

Inswing Door Latch Set

Part #	Color
900-7323	Aluminum
900-7323B	Black
900-7323W	White

- Surface Applied Latch for Inswinging Combination Doors 5/8" to 1-3/8" Thick
- Installation Hole Spacing 7/8"
- Nylon Bearings Provide Lifetime Lubrication
- Features a Night Lock and an Easy Latching Resilient Strike
- Reversible for Right and Left Hand Doors and Fits Stiles as Narrow as 1-3/8"
- Installs in Three 1/4" Holes
- Inside Lever Projection is 3"
- Outside Lever Projection is 3-3/4"
- Mounts 1-3/4" Center to Center

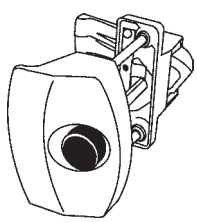
IDEAL



Part #	Color
17-21KA	Aluminum

Low Profile Trailer Lock Set with Key (Entrance)

- For Outswinging Wood or Metal Doors
- Fits 3/4" to 1-1/4" Doors
- Installation Hole Spacing 1-3/4"
- Installs in Two 5/16" Holes and One 7/8" Hole
- Use Wherever a Keyed Locking Unit is Required
- "No Lock Out" Feature

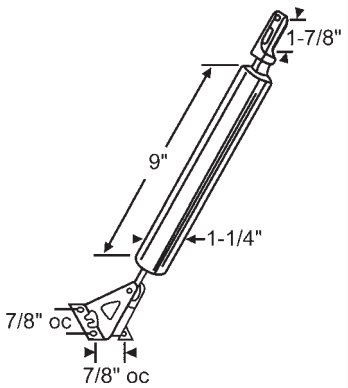


Part #	Color
17-21B	Black

Low Profile Trailer Lock Set with Push Button (Privacy)

- For Outswinging Wood or Metal Doors
- Fits 1/2" to 1-1/4" Doors
- Installation Hole Spacing 1-3/4"
- Installs in Three 5/16" Holes
- Emergency Entrance can be Made from the Outside by Using a Coin or Screwdriver
- "No Lock Out" Feature

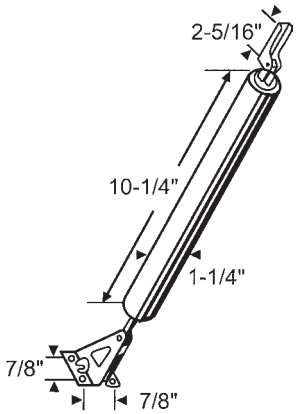
STORM DOOR CLOSERS



Part #	Color
18-52	Aluminum
18-53	Black
18-52W	White

Pneumatic Door Closer

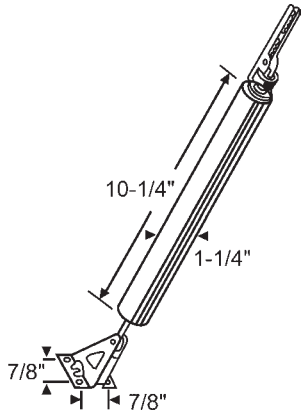
- For Light Weight Screen Doors
- For Wood or Metal Doors
- For Outswinging Doors
- Full 90° Opening
- Adjustable Closing Speed
- Factory Lubricated



Part #	Color
18-63	Aluminum
18-62	Black
18-62W	White

Economy Air Closer

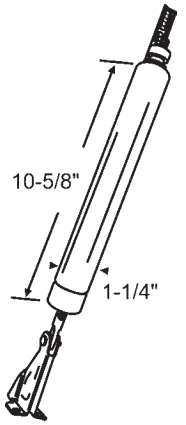
- For Doors up to 1-1/4" Thick
- Adjustable Closing Power



Part #	Color
18-65	Aluminum
18-64	Black
18-64W	White

Silent Action Door Closer

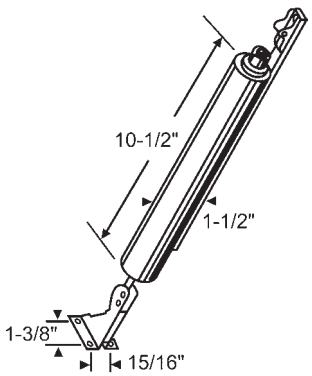
- For Doors up to 1-1/4" Thick
- Permanently Lubricated
- Adjustable Latching Power
- Adapter Plates to Cover Old Holes



Part #	Color
18-71	Aluminum
18-71B	Black

Pneumatic Door Closer

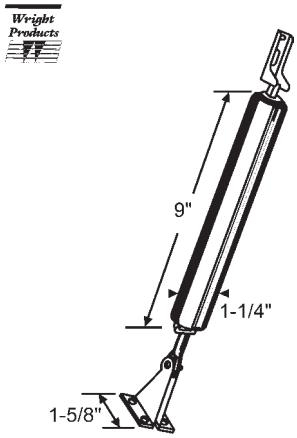
- For Doors up to 1-1/4" Thick
- Temperature Changes Do Not Affect Closing Action
- Permanently Lubricated
- Automatic Hold Open/Easy Close Feature



Part #	Color
18-58	Aluminum
18-57	Black

"Smooth Air" Heavy Duty Door Closer

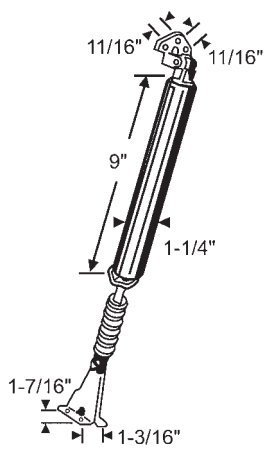
- For Storm and Screen, Jalousie or Interior Doors up to 1-3/4" Thick
- Has Two Times the Power of Standard Closers at Latching Position
- Permanently Lubricated
- Adjustable Speed Control



Part #	Color
18-103	Aluminum
18-102	Black
18-102W	White

820 Pneumatic Door Closer

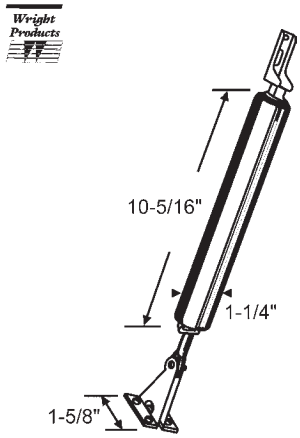
- For Light Storm Doors of Wood or Metal
- Full 90° Opening
- Two-Hole End Plug for Summer and Winter Adjustment
- Adjustable Closing Speed
- Total Length when Mounted Per Instructions: 11-1/16"



Part #	Color
18-61	Aluminum
18-60	Black

Pneumatic Door Closer

- For Wood or Metal Doors
- Full 90° Opening
- Two-Hole End Plug for Summer and Winter Adjustment
- Adjustable Closing Speed
- External Spring to Prevent Rod Bending
- Packaged with Narrow and Wide Bracket
- Total Length when Mounted Per Instructions: 13-7/16"



Part #	Color
18-114	Aluminum
18-112	Black
18-113	White

920 Pneumatic Door Closer

- For Wood or Metal Doors
- Full 90° Opening
- Two-Hole End Plug for Summer and Winter Adjustable Latching Power
- Adjustable Closing Speed
- Total Length when Mounted Per Instructions: 12-11/16"

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TOLL FREE: 1-888-926-9200
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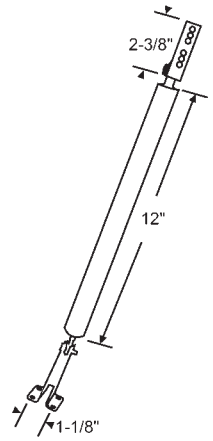
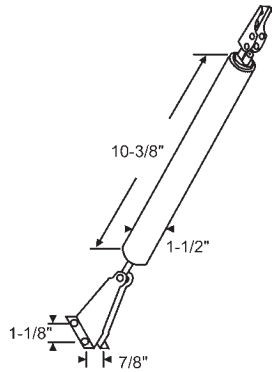
WWW.AZAHARDWARE.COM

STORM DOOR CLOSERS



Part #	Color
18-146	Black

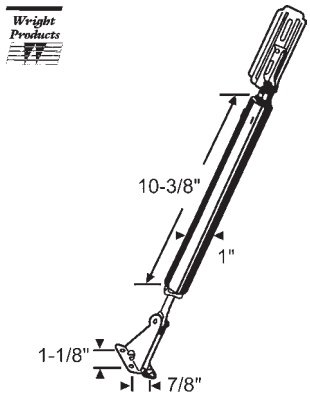
Hydraulic Door Closer



Part #	Color
18-97	Aluminum
18-97B	Black
18-97W	White
18-97G	Gold

150 Heavy Duty Torsion Pneumatic Door Closer

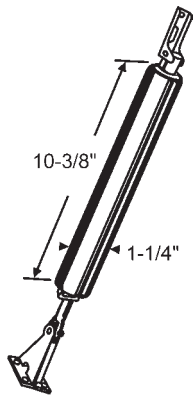
- For Wood or Metal Doors
- Full 90° Opening
- Two-Hole End Plug for Summer and Winter Adjustment
- Adjustable Closing Speed
- Internal Bumper for Prevention of Rod Bending
- Total Length when Mounted Per Instructions: 12-3/4"



Part #	Color
18-55	Aluminum
18-56	Black

H440 Hydraulic Door Closer

- Hydraulic Mechanism Provides Smooth "No Bounce" Action
- For Wood or Metal Doors
- Full 90° Opening
- Two-Hole End Plug for Summer and Winter Adjustment
- Adjustable Closing Speed by Rotating the Tube
- Aluminum Tube Assembly
- Total Length when Mounted Per Instructions: 12-11/16"

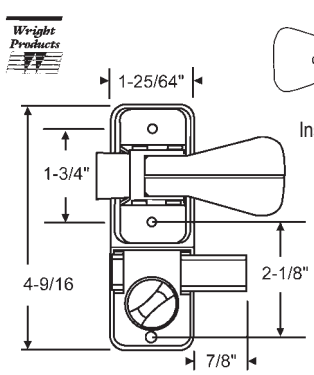


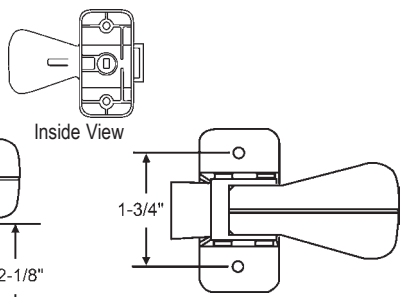
Part #	Color
18-143	Black
18-143AL	Aluminum
18-143W	White

Standard Pneumatic Door Closer

- Internal spring for shock absorption
- Provides 90° opening for outswinging doors
- Adjustable closing speed control valve
- Permanent internal lubrication
- All necessary hardware included

STORM DOOR INSIDE LATCHES





Inside Latch Only

Part #	Color
17-140	Black

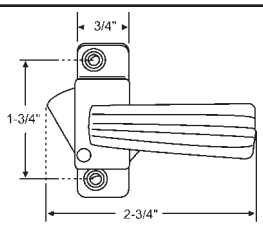
Inside Latch and Deadbolt

Part #	Color
17-135	Black

Deadlock Only

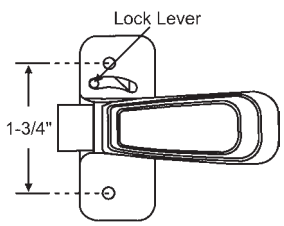
Part #	Color
17-160	Black
17-160W	White

- Durable, Heavy-Duty Design
- 1-3/4" Installation Hole Spacing
- Installs in Three 5/16" Holes
- Spring Loaded Nose for use with Z-Bar or Solid Strike
- Latch Assembly and Deadbolt are Reversible
- Can Replace Lever, Knob or Push Button Latch Designs

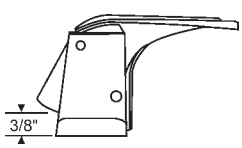


Part #	Color
17-1	Black
17-2	Aluminum

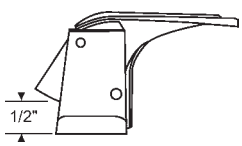
- For all Outswinging Doors 5/8" to 1-1/4" thick
- "No Lock Out" Feature
- 1-3/4" Mounting Hole Spacing
- Installs in Three 5/16" Holes
- Has a Spring Loaded Nose so a Solid Strike is Required



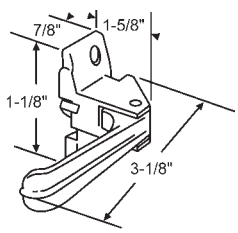
- Installs in Three 5/16" Holes
- Has a Spring Loaded Nose so Z-Bar or Solid Strike is Required
- "No Lock Out" Feature



Part #	Color
17-174	Black



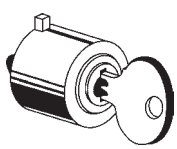
Part #	Color
17-18	Black



Part #	Color
17-3	Black

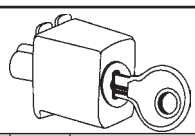
1-3/4" Mounting Hole Spacing. Standard Latch

KEY LOCKS



Part #	Color	Converts Handles
19-125	Black	17-65, 17-66

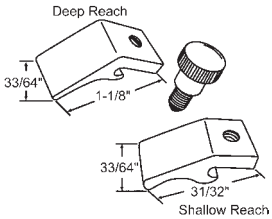
Converts Latches to Key Locking Sets



Part #	Color	Converts Handles
19-127	Black	17-56, 17-71, 17-96, 900-7339B, 900-7340

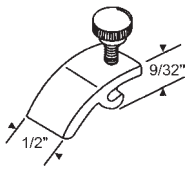
Converts Latches to Key Locking Sets

STORM DOOR PANEL CLIPS AND THUMB SCREWS



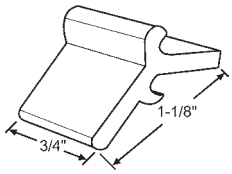
Part #	Color
19-465	White
19-465B	Black

Storm/Screen Door Panel Clip Kits. Includes 4 Each, 2 Styles (Deep and Shallow Reach) of Nylon Clips and 4 Aluminum Screws 8/32" x 1/4" (12pcs. Total)



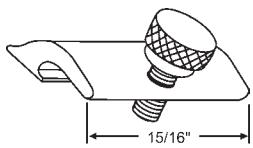
Part #	Color
19-122	Aluminum
19-112	White

1/4" Offset. Metal



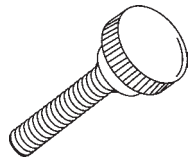
Part #	Color
19-129	White

Nylon



Part #	Color
900-8004BK	Black

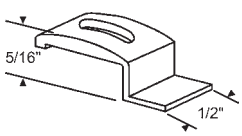
Metal



Part #	Color
19-116	Aluminum
19-123	White
19-123B	Brown

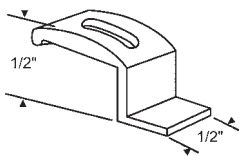
8-32 x 9/16". Aluminum

STRIKES



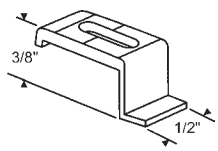
Part #	Color
19-100	Aluminum
19-108	White
19-109	Brown
19-109BZ	Bronze

1/4" Offset. Metal



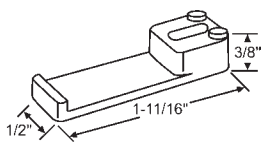
Part #	Color
19-102	Aluminum
19-110	White

3/8" Offset. Metal

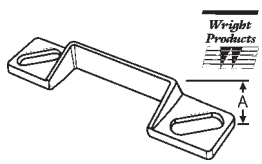


Part #	Color
900-14558	White
900-14558AL	Aluminum

1/4" Offset. Metal



900-6759
Storm Door Clip. White

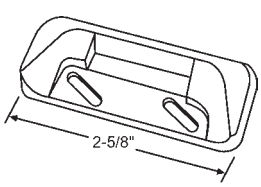


Part #	Color	A
19-185A	Silver	1/4"
19-185B	Black	1/4"
19-197	Steel	1/2"
19-197B	Black	1/2"

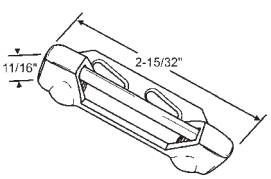
No Lock Out. Zinc Solid

SHIMS

HINGE

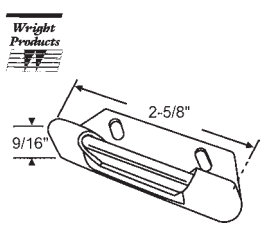


19-227
Black Nylon



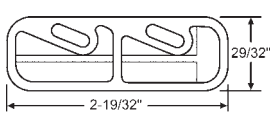
Part #	Color
19-194B	Black
19-194A	Aluminum

3/4" High Profile. Resilient



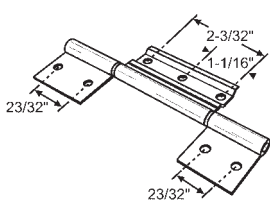
Part #	Color
19-300B	Black
19-300AL	Silver
19-300W	White

9/16" High Profile. Resilient



19-196
1/16" Shim (plastic)
Gray

19-186G
1/8" Shim (plastic)
Gray



Part #	Color
19-708	Aluminum
19-708BZ	Bronze
19-708W	White

Offset Screen Door Hinge

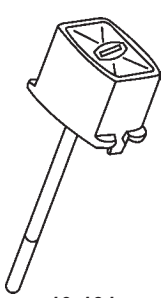
PUSH BUTTON

DOOR CHAIN

BRACKET

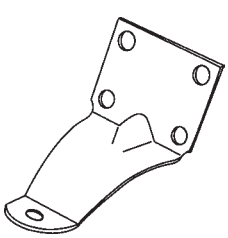
SCREEN SPLINE

19-128
Metal Breakaway Spindle with Spring

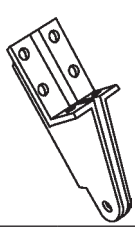


19-131
Black Plastic. Used with 17-56 & 17-58

19-106
Includes Hold-Up Spring to Prevent Chain from Hitting Door and Scratching Glass. Includes All Necessary Hardware

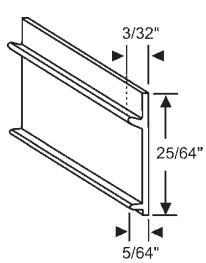


19-313
Inswinging Jamb Bracket for Heavy Duty Pneumatic Door Closer. Includes Pin, Screws and Instructions.



Part #	Color
19-332W	White
19-332B	Black
19-332FBN	Florida Brown

Florida Jamb Bracket. Plastic.



66-61X
Vinyl Screen Spline. Black, 100' Roll
FOREVER DOOR

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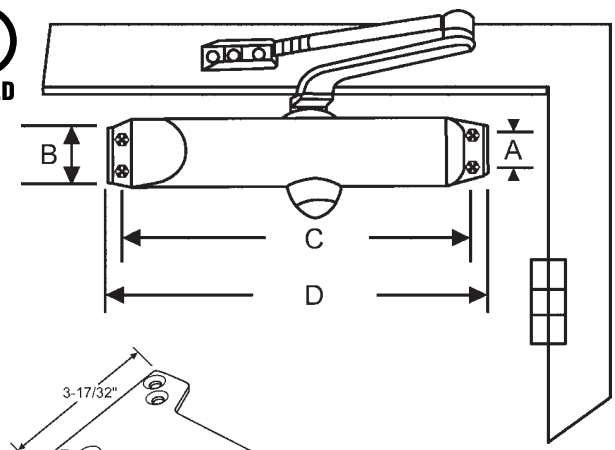
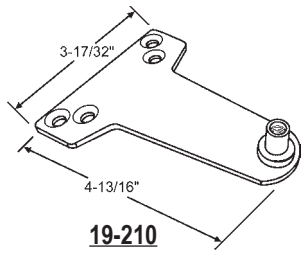
ENTRANCE DOOR CLOSERS





19-210
Parallel Bracket

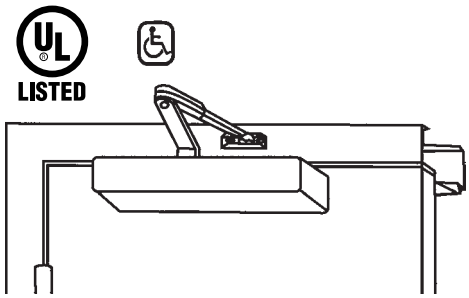
FEATURES
- Surface mounted interior and exterior
- Size 3 is used on 3 ft. wide interior door or 2-1/2 ft. wide exterior door
- Size 4 is used on 4 ft. wide interior door or 3 ft. wide exterior door
- Non-handed
- Permanent lubricating hydraulic fluid
- Easy, smooth action
- Housing made of non-corroding aluminum
- Narrow design is perfect for aluminum, glass, wood and other modern doors

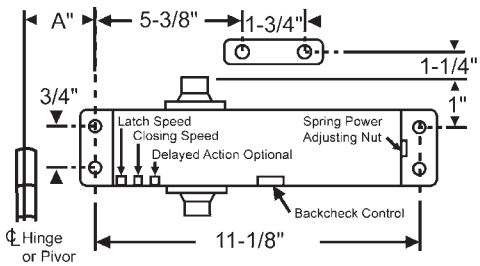
Part #	Size	A	B	C	D	Finish
18-70	#3	3/4"	1-3/4"	8-3/16"	8-15/16"	Aluminum (Silver)
18-72	#3	3/4"	1-3/4"	8-3/16"	8-15/16"	Bronze (Gold)
18-74	#3	3/4"	1-3/4"	8-3/16"	8-15/16"	Duranodic (Dk. Brown)
18-68	#4	3/4"	1-3/4"	9-1/16"	9-13/16"	Aluminum (Silver)
18-69	#4	3/4"	1-3/4"	9-1/16"	9-13/16"	Bronze (Gold)
18-73	#4	3/4"	1-3/4"	9-1/16"	9-13/16"	Duranodic (Dk. Brown)

Dimensions for Closers with Backcheck Feature

Part #	Size	A	B	C	D	Finish
18-70BC	#3	3/4"	1-3/4"	8-3/16"	8-15/16"	Aluminum (Silver)
18-68BC	#4	3/4"	1-3/4"	9-1/16"	9-13/16"	Aluminum (Silver)

POWER ADJUSTABLE CLOSER WITH BACK CHECK OR DELAYED ACTION



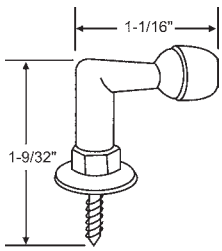


Opening	Dim. "A"
To 120°	7-3/32"
120° - 180°	3-15/16"

Part #	Finish
18-88	Aluminum (Silver)

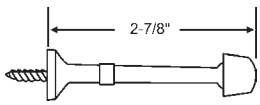
ANSI GRADE 1
A - 156.4 STANDARDS
APPLICABLE

DOOR STOPS AND BUMPERS



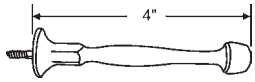
Part #	Finish
900-12356	Brass

Floor Type Door Stop



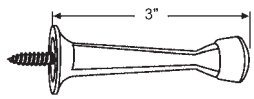
Part #	Finish
19-144	Brass

Solid Stop Bumper Assembly



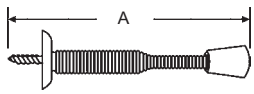
Part #	Finish
19-157	Brass
19-157DC	Dull Chrome

Solid Stop Bumper Assembly



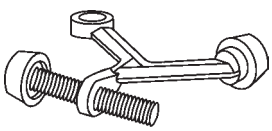
Part #	Finish
19-284SN	Satin Nickel
19-284	Brass Plated
19-284ORBZ	Oil Rubbed Bronze

Solid Type



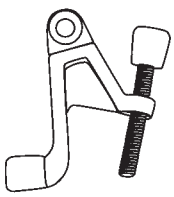
Part #	Finish	A
19-143	Brass	3-3/4"
19-143SN	Satin Nickel	3-3/4"
19-143CH	Chrome	3-3/4"
19-143-4	Brass	4-3/4"

Door Stop Bumper Assembly



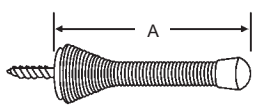
Part #	Finish
19-142	Brass
19-142A	Aluminum
19-142CH	Chrome
19-142W	White
19-142SN	Satin Nickel

Hinge Pin Door Stop



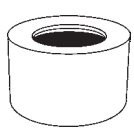
Part #	Finish
19-359	Bright Brass
19-359ORBZ	Oil Rubbed Bronze

Hinge Pin Door Stop



Part #	Finish	A
19-204	Brass	3"
19-204C	Chrome	3"
19-360CH	Chrome	3-3/4"
19-360	Brass	3-3/4"
19-360SNK	Satin Nickel	3-3/4"

Heavy Duty Door Stop Bumper
Flexible



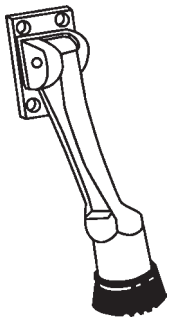
Part #	Color
19-145	White

Hinge Pin Door Stop Bumper Only. Fits 19-142, 19-142A, 19-142CH, 19-142W

Part #	Color
19-146	White

Door Stop Bumper Only.
For 9/32" OD Door Stop

DOOR STOPS AND BUMPERS

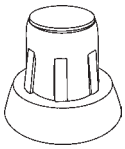


Part #	Finish
19-133	Brass
19-132	Aluminum

4" Drop Down Door Stop

Part #	Finish
19-136	Brass
19-137	Aluminum

5" Drop Down Door Stop
Solid Cast Brass

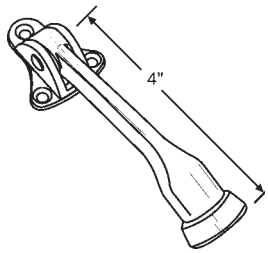


Part #	Color
19-187	Black

Rubber Tip Replacement Only. For Drop Down Door Stops. Fits 19-132, 19-133, 19-136, 19-137

Part #	Finish
19-135	Brass
19-138	Aluminum
19-135PB	Bright Brass

19-135T
Screw type tip only.
Black

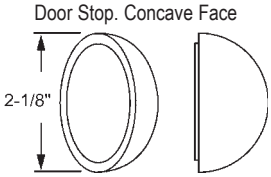


900-10823
Chrome Plated
3 Hole w/ Screws

DOOR SILENCER

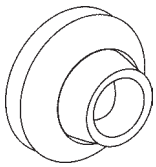
Part #	Color
19-361CH	Chrome Plated
19-361	Polished Brass

2-1/2" Diameter Solid Brass Wall Door Stop. Concave Face



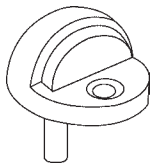
Part #	Color
19-242	White

Adhesive PVC Wall Bumper



Part #	Finish
19-140	Stainless Brushed
19-140BZ	Dark Bronze
19-140AB	Antique Brass
19-140B	Brass

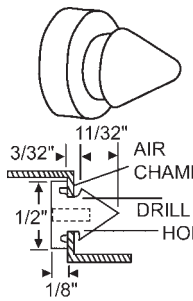
Screw mount, 2-1/2" diameter with gray vinyl bumper, concealed screw mount. Concave face to fit interior lock button. Furnished with anchor and screw.



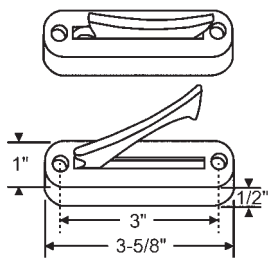
Part #	Finish
19-141	Satin Aluminum
19-141BC	Brushed Chrome

Zinc Die Cast, Low Profile Door Stop. 1-3/4" Base, 1" Height, 1/8" Clearance.

RETRACTABLE GARMENT HOOK

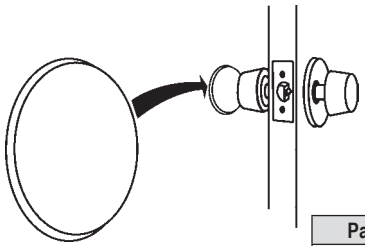


Part #	Color
19-134	Gray



Part #	Color
19-328	Bright Chrome
19-329	Antique Brass

WALL PROTECTORS



Made of high impact material that can be painted or papered. Use to repair larger areas of wall damage. Foam adhesive on back absorbs shock. 1/4" Total thickness. Washable.

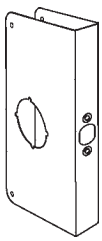
3" Diameter

Part #	Color
19-181	White
19-181OW	Off White

5" Diameter

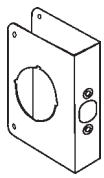
Part #	Color
19-182	White

DOOR LOCK CHANNELS



Part Number	Backset	Door Thickness
19-160-4	2-3/8"	1-3/8"

2-1/8" Bores. Large Single Hole. Brass Plated Aluminum. Overall Dimension 4" x 9"



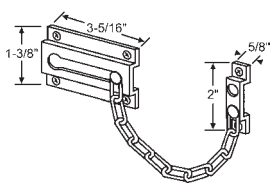
Part Number	Backset	Door Thickness
19-174-4	2-3/8"	1-3/8"

2-1/8" Bores. Small Single Hole. Brass Plated Aluminum. Overall Dimension 4" x 4-1/2"

DOOR KNOCKER

900-12213
Polished Brass. Name plate card. Cast knocker with polished brass finish. Surface mount application Space for door viewer.
Viewer sold separately

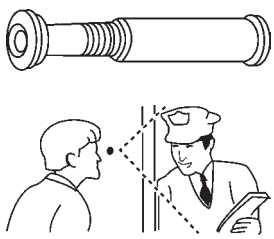
CHAIN LOCK



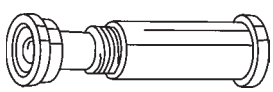
900-7490
Heavy Duty Brass Plated Steel Door Chain with Solid Brass Keeper

900-8108
Brass Plated Stamped Steel Door Chain

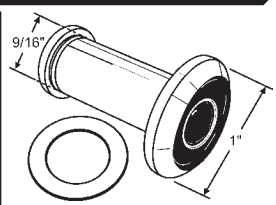
DOOR VIEWER



19-149
160° Angle Plastic Lens
1/2" Installation Hole. Fits doors 1-1/8" to 2-1/4" thick. Solid Brass



900-12562
160° angle plastic lens fits doors 1-3/8" to 2-1/4" thick 1/2" installation hole, wide angle. See who is on the other side before you open the door. Solid brass construction



Part #	Color	Angle
19-215	Polished Brass	180°
19-215CP	Bright Chrome	180°
19-184	Polished Brass	200°

Solid Brass. 9/16" Bore, Fits 1-3/8" to 2-1/4" Thick Doors

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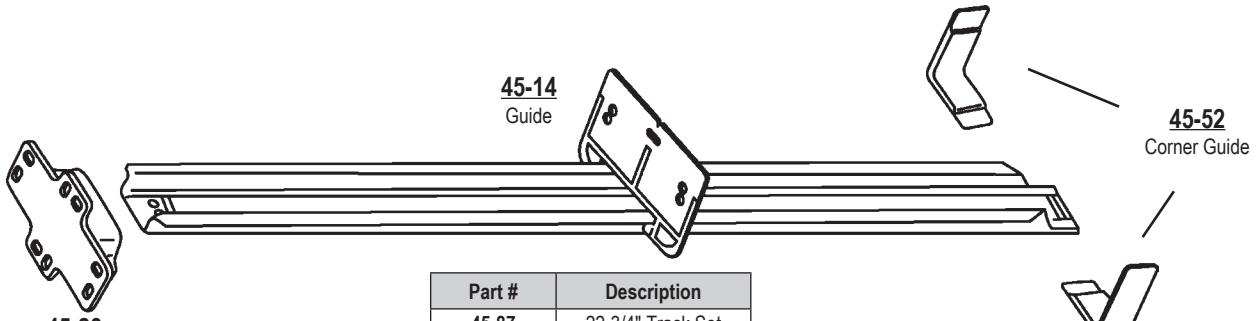
DRAWER TRACK SETS



45-14
Guide

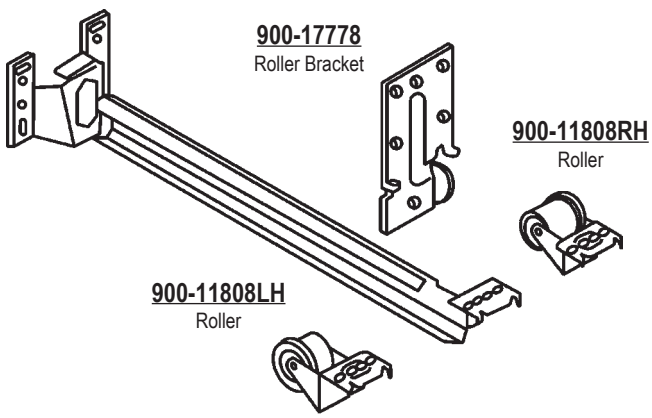
45-52
Corner Guide

45-23
Track Mounting Bracket

Part #	Description
45-87	22-3/4" Track Set

Single Drawer Set
(Track not available separately.)

900-11843
Track Mounting Bracket Metal



900-17778
Roller Bracket

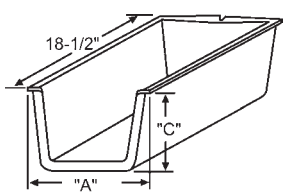
900-11808RH
Roller

900-11808LH
Roller

Part #	Description
45-103	22-7/16" Complete Track Set

Galvanized

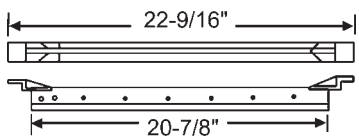
DRAWER INSERTS



Part#	"A"	"C"	# Stamped on part	Carton Qty.
45-89	14-5/8"	4"	TP-154	8
45-90	20-1/2"	4"	214-24	8
45-91	11-3/4"	4"	TP-124	16
45-93	17-1/2"	4"	TP-184	10
45-94	8-3/4"	4"	TP-94	24
45-95	11-3/4"	8"	128-15	12

Replace old worn out cabinet drawers with plastic drawer inserts. Also replaces Old Style Triangle Pacific
A packing fee will be assessed on orders with less than carton quantity.

MONORAIL

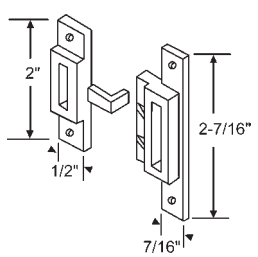


45-96

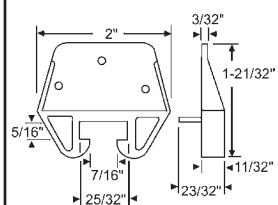
DRAWER SLIDES

45-416
22" Drawer Slides. White

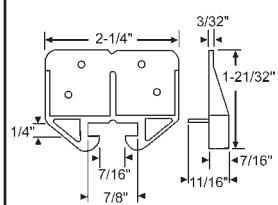
DRAWER GUIDES AND BRACKETS



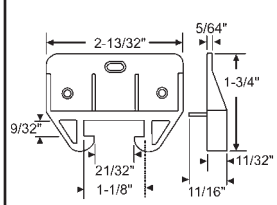
45-48
Front and Rear guide set for 45-96 monorail and drawer inserts.



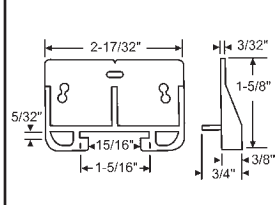
45-1
Drawer guide
Old KD-01



45-15
Drawer guide

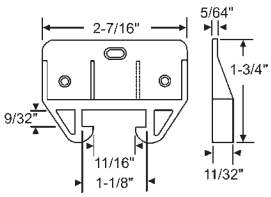


45-6
Drawer guide
Old KD-06

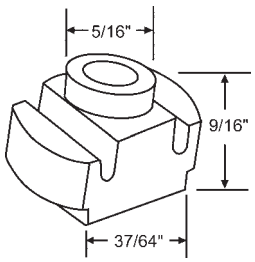


45-14
Drawer guide
Old KD-14

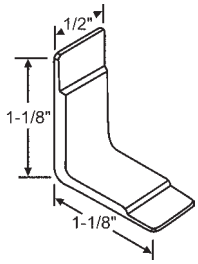
DRAWER GUIDES AND BRACKETS



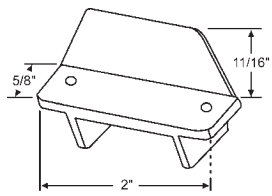
45-7
Drawer guide
Old KD-07



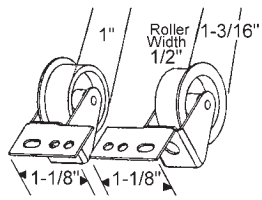
900-9936
Drawer guide



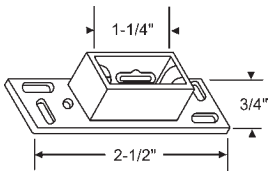
45-52
Drawer Guide
Nylon



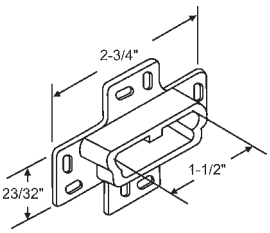
45-10
Drawer Guide



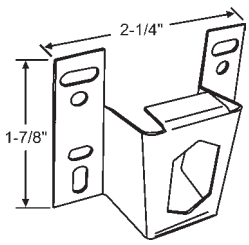
Part #	Hand
900-11808LH	LH
900-11808RH	RH



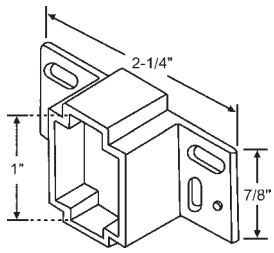
45-9
Drawer Mounting Bracket



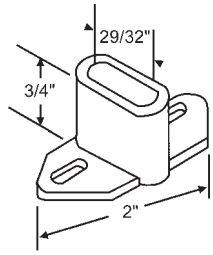
45-23
Drawer Mounting Bracket



900-11843

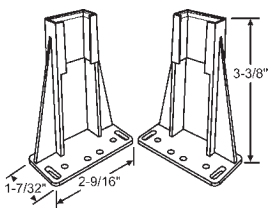


45-16
Drawer Bracket

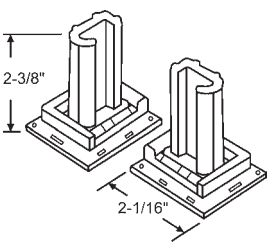


45-26
Drawer Bracket

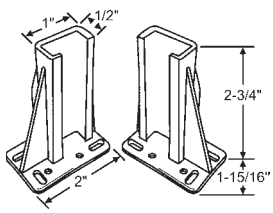
SOCKETS



45-582
Rear Mounting Bracket Set
White Plastic

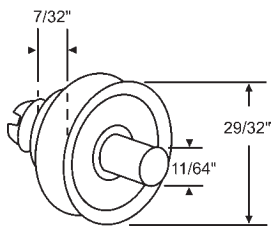


45-203
Adjustable Rear Mount Drawer
Slide Socket Set

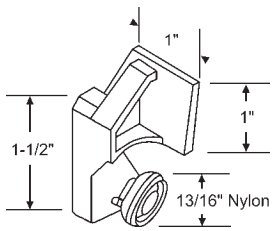


45-229
Rear Mount Drawer
Slide Socket Set

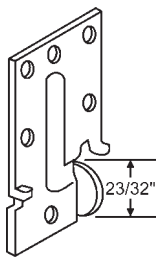
ROLLERS



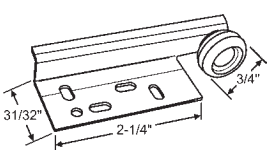
45-98
Drawer Roller with Axle



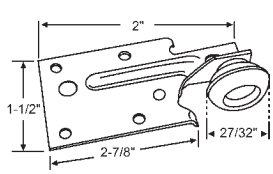
45-19
Cabinet Roller
AJAX



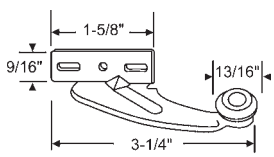
900-17778
Roller Bracket
No Longer Available.
Use: 900-17778NS



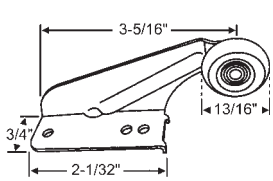
900-17778NS
Roller Bracket. New Style



45-24
Drawer Roller. Nylon Roller



45-18



45-17-2
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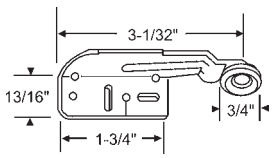
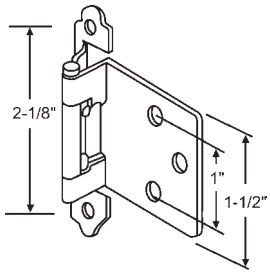
ROLLERS



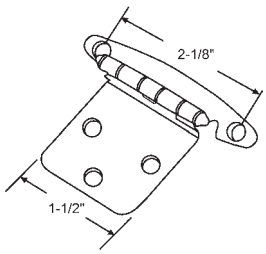
45-25

HINGES



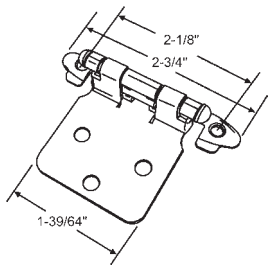
Part #	Finish
900-8910AB	Antique Brass

Pair with Screws and Pads



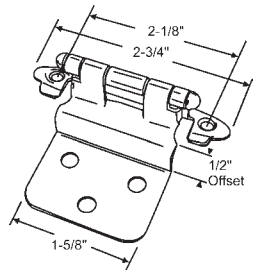
Part #	Finish
45-235PB	Polished Brass
45-235AB	Antique Brass

Flush Mount, Free Swinging Hinge



Part #	Finish
45-236PB	Polished Brass
45-236AB	Antique Brass

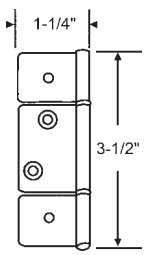
Flush Mount Self-Closing Hinge



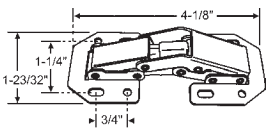
Part #	Finish
45-237PB	Polished Brass
45-237AB	Antique Brass

Offset Self-Closing Hinge

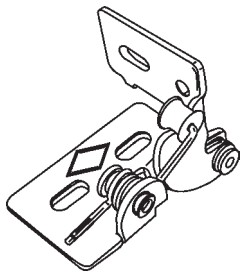
MINI DOOR STRUTS



8-356
Polished Brass 3 Leaf

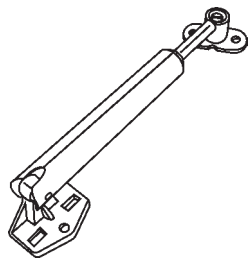


45-225
Nickel Finish Self-Closing Hinge
4 way Adjustable, 90° Opening



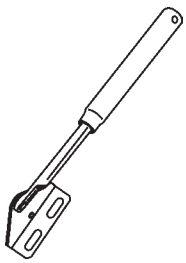
45-230
Polished Chrome #5 Knife Hinge

45-422
Concealed Hinge
1/2" Overlay



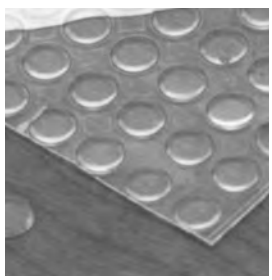
45-208
Black Mini Door Strut, Nylon

BUMPERS



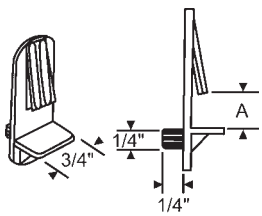
Part #	Finish
45-207	Satin Nickel
45-206	Antique English

Mini Door Strut, Steel



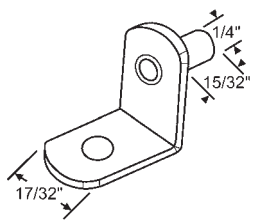
45-240
Clear Plastic Bumper
1/2" W x 1/16" H

CABINET SHELF SUPPORTS AND BRACKETS

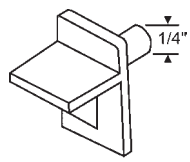


Part #	A
45-101W	1/2"
45-459W	5/8"
45-460W	3/4"

White. For 1/2" Shelf

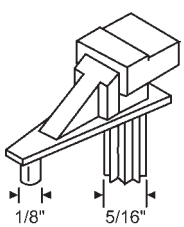


900-10820
Shelf Support

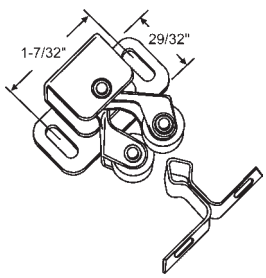


45-99
Shelf Support
Plastic

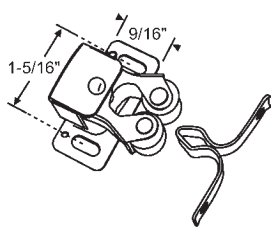
LATCH AND CATCH



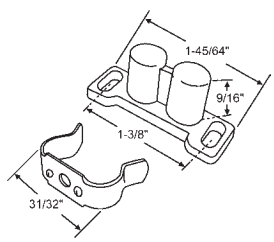
45-100
Shelf Support



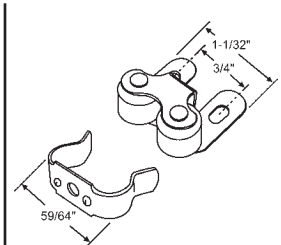
45-216
Heavy Duty Double Roller, RV
Cabinet Catch. Antique Copper



900-6698
Cabinet Catch
Zinc Nickel Plated

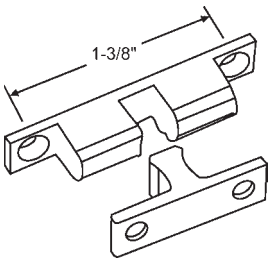


900-10756
Solid Plastic White Barrel Catch

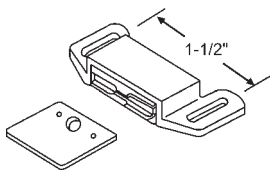


900-9130
Roller Catch
Zinc Nickel Plated

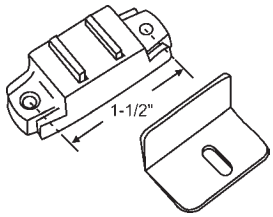
LATCH AND CATCH



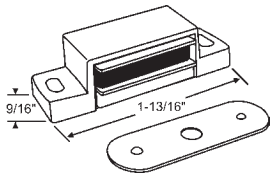
45-227
Solid Brass Ball Catch



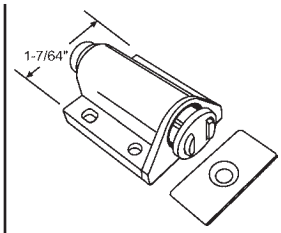
900-6695
Tan Plastic High Power Magnetic Catch with Flat Plate



900-11343
Tan Plastic High Power Magnetic Catch with Angle Plate

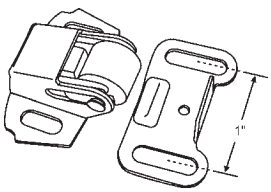


45-194
Brown Plastic Magnetic Cabinet Door Catch with Flat Plate

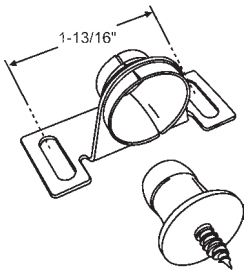


45-239
Black Magnetic Touch Latch

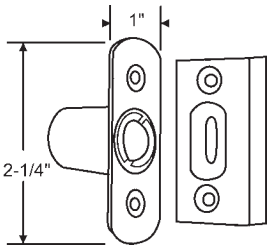
HANDLES AND KNOBS



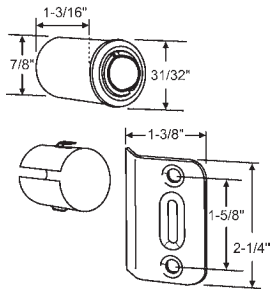
45-130
Roller Catch and Strike
Zinc Nickel Plated



45-245
Black Self Aligning Catch



900-10858R
Ball Catch and Strike
with Rounded Corners
Brass Plated



900-10858DI
Drive In Bullet Ball Catch with
Adjustable Tension Ball.
Brass Plated

8-471
1-1/8" Knob
Polished Brass

CABINET PULLS

8-470
1-1/4" Knob
Polished Brass

8-482
1-1/4" Knob
Satin Nickel Finish

Part #	Finish
45-354PC	Polished Chrome
45-354BRS	Polished Brass
45-354SNK	Satin Nickel
45-354SCH	Satin Chrome

1-1/4" Knob

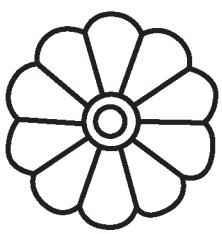
Part #	Finish
45-355CH	Chrome
45-355PB	Polished Brass
45-355SNK	Satin Nickel

3" Cabinet Pull

45-356SS
3" Cabinet Pull
Stainless Steel

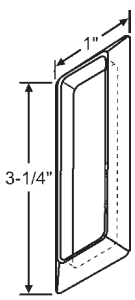
ROSETTE

45-424AB
3" Cabinet Pull
Antique Brass

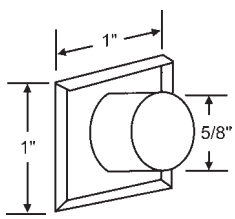


900-20751
White with Screws

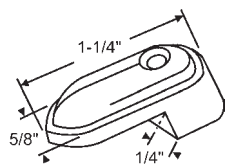
MIRROR HARDWARE



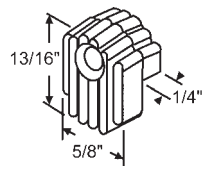
900-17639-1
Adhesive Backed Finger Pull.
Sold in Pairs. Clear



900-16236
Adhesive Backed Mirror Pull
Acrylic



900-13119
Teardrop Mirror Clip with Screws



900-9137
Ribbed Mirror Clip
without Screws

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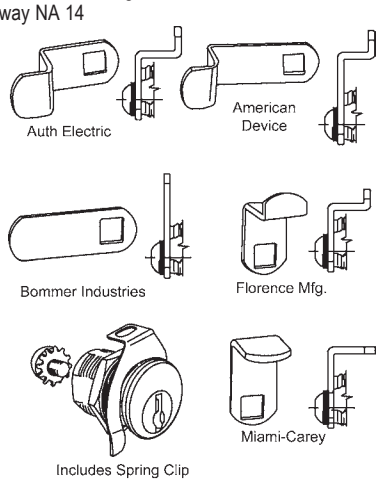
MULTI-CAM MAIL BOX LOCK KITS

97-75
For Interior Mail Boxes

Bright Nickel Finish

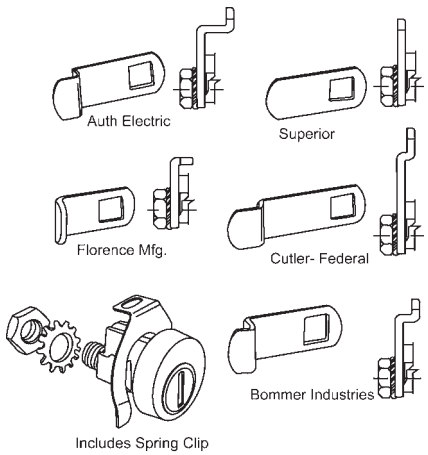
Nut mounted lock meets specifications established by the U.S. Postal Service. Counter clockwise cam turn to open. Furnished with two keys, five different cams shown below, cam screw, mounting nut and instructions. Assemble with cam that matches lock. Keyway NA 14



97-17
For Outside Mail Boxes

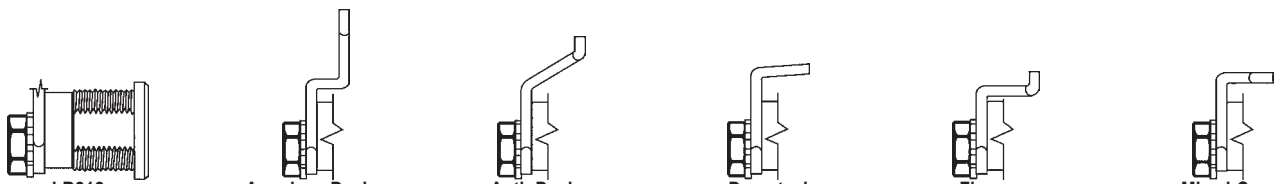
Bright Nickel Finish

Keyway Dust Shutter protects mechanism from the elements. Lock has dual slots for mounting indoor using spring clip. Clockwise cam turn to open. Furnished with three keys, five different cams shown below, nut, lock washer, spring clip and instructions. Assemble with cam that matches present lock. Keyway NA 14

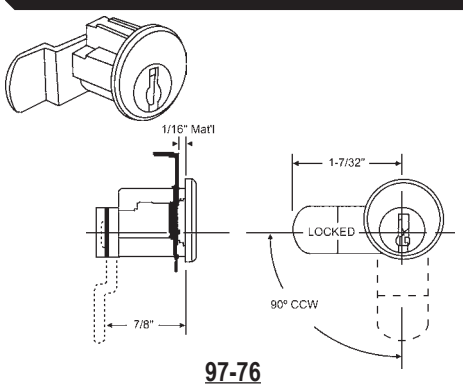


97-28
Replacement for Hudson #PT812

Multi-Cam Mail Box Lock Kit a suitable replacement for hudson #PT812. Hex nut mounted. Meets U.S. Postal Service specifications. 90° CCW cam rotation. Key removable in locked position only. Furnished with 3 keys, 5 cams, and all necessary mounting hardware. Keyway HL 1 - Nickel finish

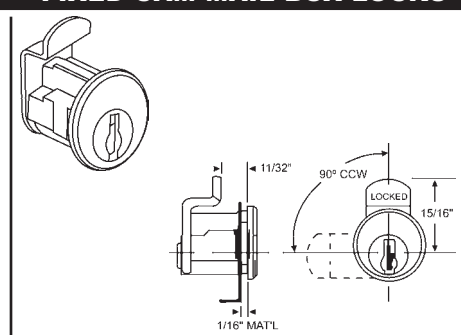


FIXED CAM MAIL BOX LOCKS



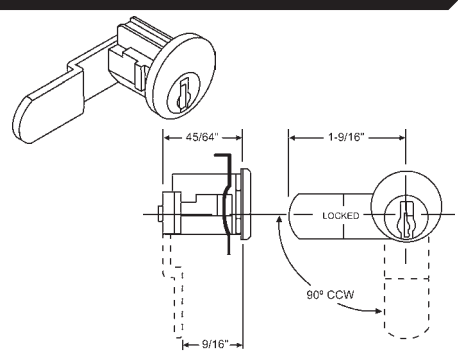
97-76
Bommer. Bright Chrome

Locked Cam Position - Left. Keyway NA14



97-77
Florence Mfg. Bright Chrome.

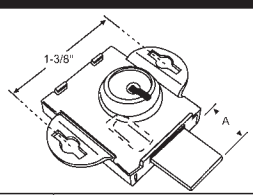
Locked Cam Position - Up. Keyway NA14



97-20
Cutler Federal. Bright Chrome

Locked Cam Position - Down. Keyway NA12

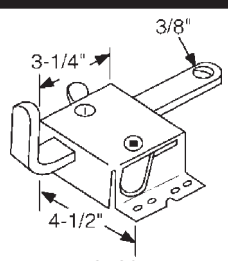
FLAT MAILBOX LOCKS



Part #	"A"
97-18	1/4"
97-19	1/2"

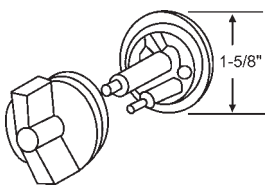
Replaces: **Eagle #2616 1/4C, Ilco #4070A Fits: Auth, United, Florence**. Bright Brass Finish Furnished with Two Keys.

GARAGE DOOR HANDLES

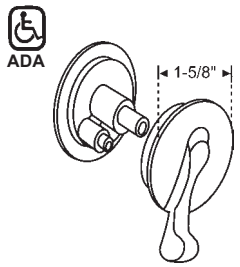


2529
Snap Lock

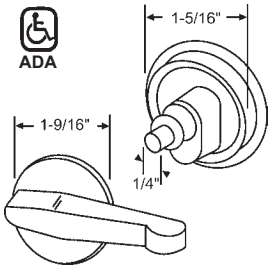
CONCEALED AND SURFACE MOUNTED LATCHES



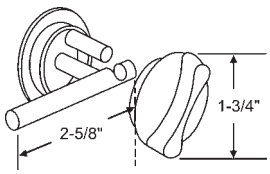
91-8
Used with 91-129 Housing
AMERICAN METAL



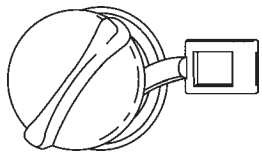
91-330
Used with 91-129 Housing



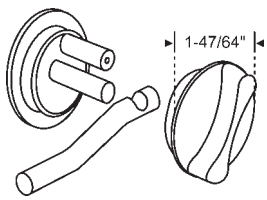
91-84
SANYMETAL



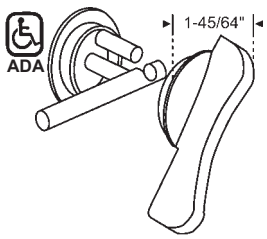
91-130
For 1" Laminated Door



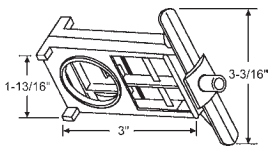
91-131
With Flat Tip Bar. For 1" Steel Door



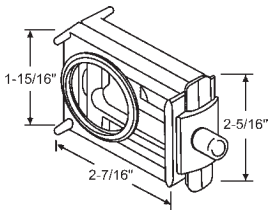
91-198
For 1" Steel Door



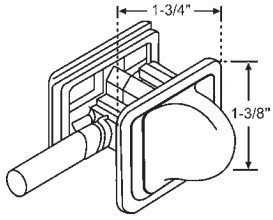
91-209
For 1" Laminated Door



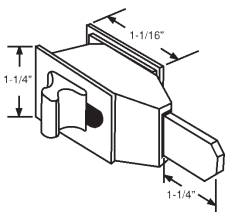
91-129
Zinc Die Cast - Unplated



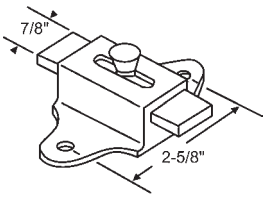
91-187
Zinc Die Cast - Unplated



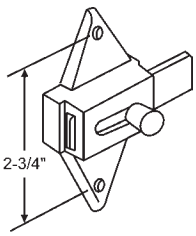
91-292
For 1" Steel Door



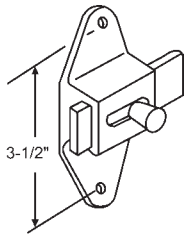
900-18069
With Red and Green Indicator.
For 1" Steel Door



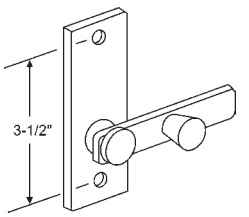
91-83



91-79

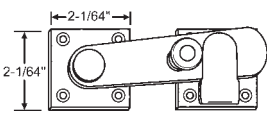


91-4

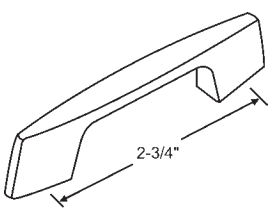


Part #	Finish
91-80	Chrome Plated Brass
91-80SS	Stainless Steel

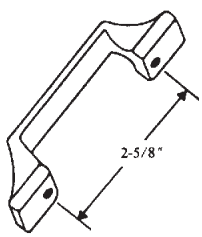
CHROME PLATED DOOR PULLS, HOOKS AND DOOR STOPS



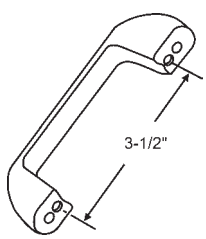
900-20480
Includes Keeper



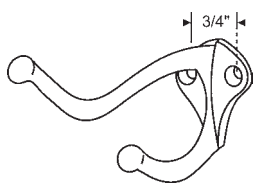
91-125
Mounting Holes Tapped 8-32



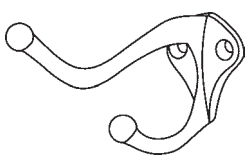
91-90
Mounting Holes Tapped 10-24



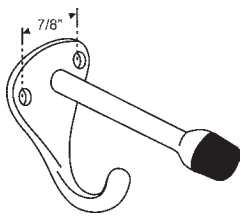
91-9
Mounting Holes Tapped 10-24



Part #	Finish
91-7	Chrome Plated
91-7BP	Brass Plated
91-7SS	Stainless Steel

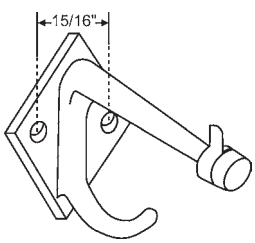


91-7J
Heavy Duty. 7/32" Hole Diameter

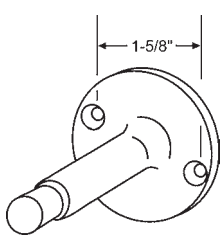


Part #	Finish
91-6	Chrome Plated
91-6SS	Stainless Steel

Coat Hook with Bumper
7/32" Hole Diameter



91-255
1/4" Hole Diameter



91-10
2" High

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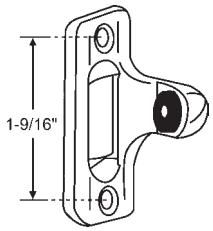
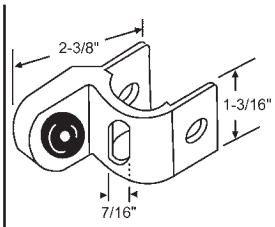
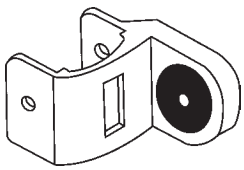
CHROME PLATED KEEPERS AND STRIKES FOR 1-1/4" ROUND AND SQUARE POSTS



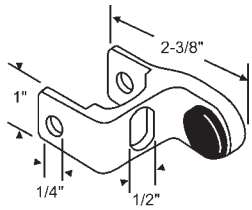
91-290
Inswing/Outswing for Concealed Latch with Flat Bar



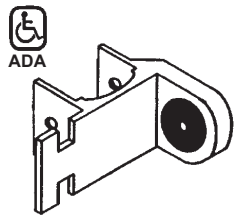
91-5
Inswing/Outswing for Concealed Latch with Round Bar



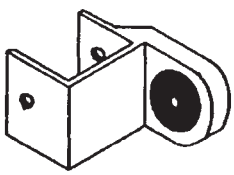
91-134
Inswing/Outswing for Concealed Latch with Flat Bar



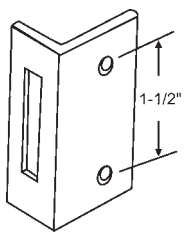
91-87
Inswing/Outswing for Concealed Latch



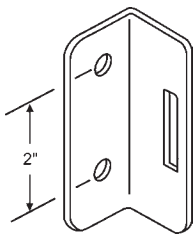
91-253
Inswing for Throw Latch. Emergency Access



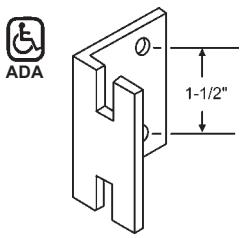
91-137
Outswing for Slide Latch



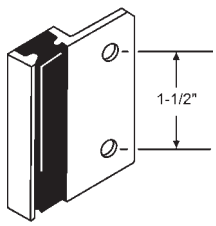
900-10535
Inswing for Slide Latch, Chrome



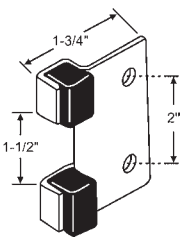
91-89
Inswing for Slide Latch
SANYMETAL



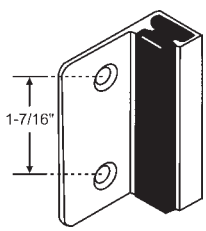
91-81
Inswing for Throw Latch Emergency Access



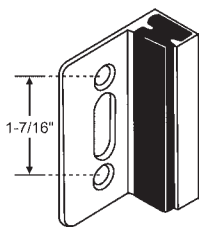
91-82
Inswing/Outswing for Slide Latch



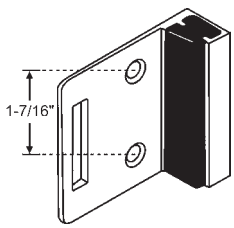
91-88
Inswing/Outswing Strike
SANYMETAL



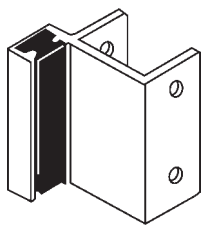
91-141
Outswing for Slide Latch



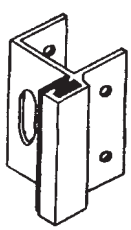
91-140
Inswing/Outswing for Concealed Latch



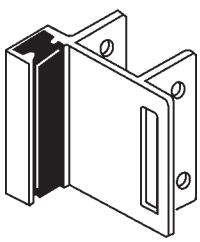
91-135
Inswing for Slide Latch



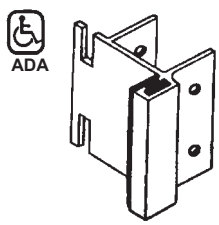
91-78
Outswing for Slide Latch



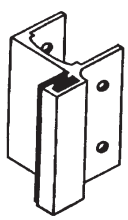
91-133
Inswing/Outswing for Concealed Latch



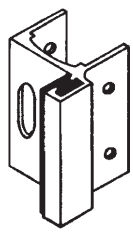
91-26
Inswing for Slide Latch



91-132
Inswing for Throw Latch Emergency Access

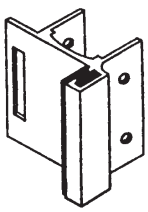


91-217
Outswing for Slide Latch

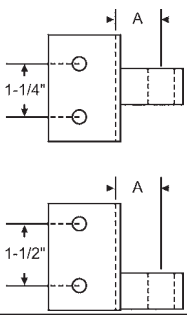


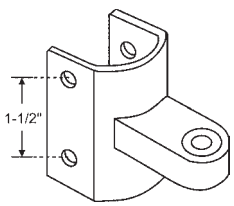
91-55
Inswing/Outswing for Concealed Latch with Round Bar

CHROME PLATED WRAP AROUND GRAVITY PIVOT HINGES FOR 1-1/4" ROUND AND SQUARE POSTS



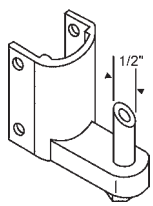
91-237
Outswing for Slide Latch





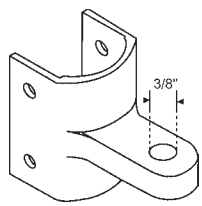
Part #	A
91-2	1-5/64"

FLUSHMETAL



Part #	A
91-3	1-5/32"

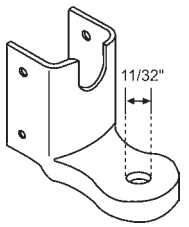
FLUSHMETAL



Part #	A
91-85	1-1/16"

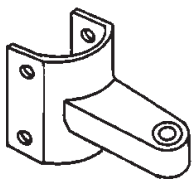
SANYMETAL

CHROME PLATED WRAP AROUND GRAVITY PIVOT HINGES FOR 1-1/4" ROUND AND SQUARE POSTS



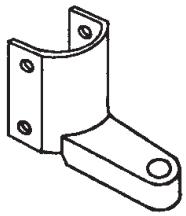
Part #	A
91-86	1-1/16"

SANYMETAL



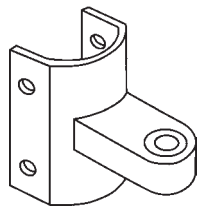
Part #	A
91-183	1-25/64"

GENERAL/KNICKERBOCKER



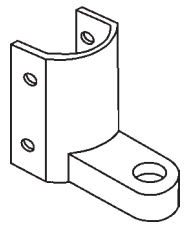
Part #	A
91-182	1-25/64"

GENERAL/KNICKERBOCKER



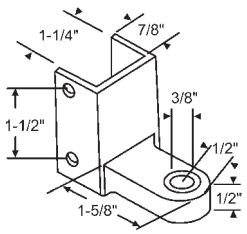
Part #	A
91-186	1-1/16"

AMPCO/METPAR

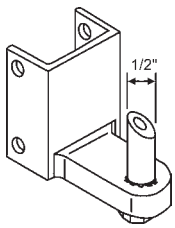


Part #	A
91-185	1-7/64"

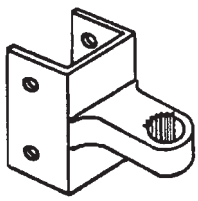
AMPCO/METPAR



Part #	A
91-24	1-17/64"

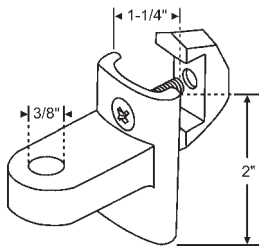


Part #	A
91-25	1-17/64"

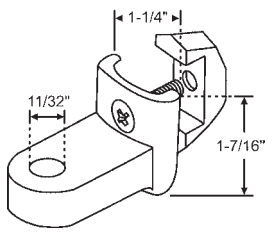


Part #	A
91-240	1-19/64"

Top and Bottom Hinge

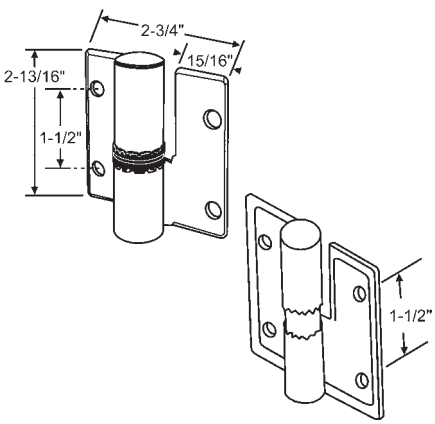


Use: 91-85



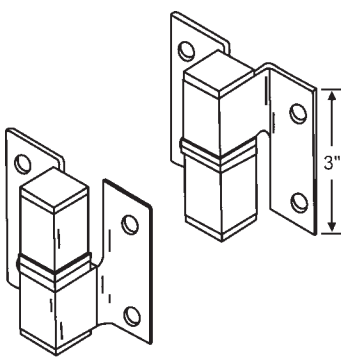
Use: 91-86

SURFACE MOUNTED GRAVITY HINGE



91-28
Round Barrel Hinge set for LH Inswing or RH Outswing. Chrome Plated. Includes 8 One Way Screws and 8 Barrel Nuts

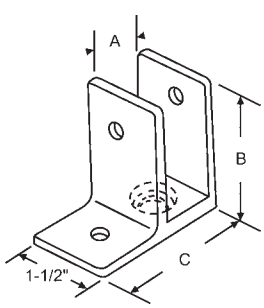
91-29
Round Barrel Hinge set for RH Inswing or LH Outswing. Chrome Plated. Includes 8 One Way Screws and 8 Barrel Nuts



91-173
Square Barrel Hinge set for RH Inswinging or LH Outswinging. Cast Stainless Steel. Satin Finish

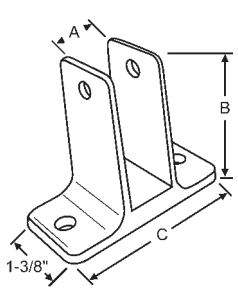
91-199
Square Barrel Hinge set for LH Inswinging or RH Outswinging. Cast Stainless Steel. Satin Finish

CHROME PLATED WALL BRACKETS



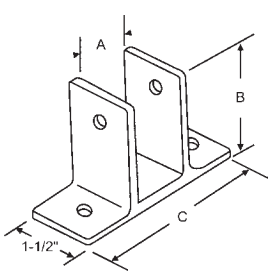
Part #	A	B	C
91-15	1"	2-1/2"	2-21/32"
91-16	1-1/4"	2-1/2"	2-3/4"
91-288	1-1/4"	3-1/2"	2-3/4"

One Ear



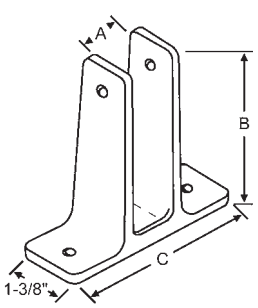
Part #	A	B	C
91-323	3/4"	2-1/2"	3"
91-367	1-1/4"	3-1/2"	4"

Two Ears



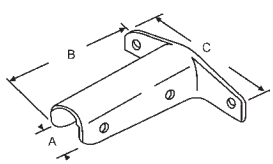
Part #	A	B	C
91-17	1"	2-1/2"	4"
91-97	1"	3-1/2"	4"
91-18	1-1/4"	2-1/2"	4"

Two Ears



Part #	A	B	C
91-160	1"	3-1/2"	4"
91-161	1-1/4"	3-1/2"	4"

Screen Brackets

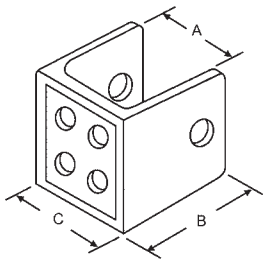


Part #	A	B	C
91-159	1"	12"	7"
91-11	1-1/4"	6"	6-1/4"

Wing Brackets

AZA SALES
TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

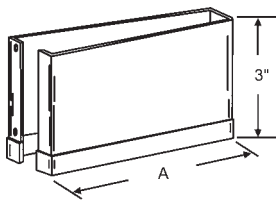
CHROME PLATED U - BRACKETS



Part #	A	B	C
91-76	7/8"	1-3/8"	1-5/32"
91-12	1"	1-3/8"	1-1/4"
91-167	1-1/4"	1-3/8"	1-1/2"

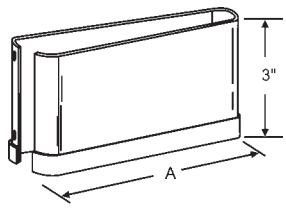
REPLACEMENT PILASTER SHOES

Square Edge1-1/4" Thick Pilaster Shoes
Open Front w/Holes. 22 Gauge Stainless Steel. Satin Finish



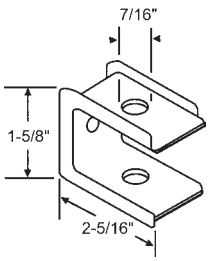
Part #	"A"
91-31	2"
91-33	3"
91-35	4"
91-37	5"
91-39	6"
91-41	7"
91-43	8"
91-45	10"
91-47	12"
91-468	24"

Round Edge1-1/4" Thick Pilaster Shoes
Open Front w/Holes. 22 Gauge Stainless Steel. Satin Finish

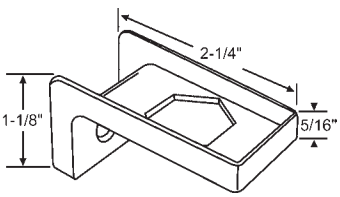


Part #	"A"
91-30	2"
91-32	3"
91-34	4"
91-36	5"
91-38	6"
91-40	7"
91-42	8"
91-44	10"
91-46	12"
91-469	24"

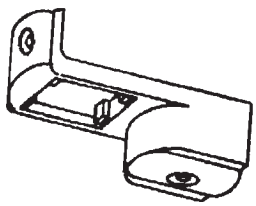
DOOR INSERTS



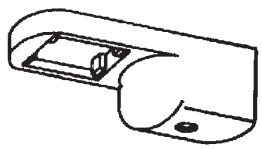
91-72
Top -for 1" Square Edge Door
Chrome Plated



91-117
Bottom -for 1" Square Edge Door
Chrome Plated

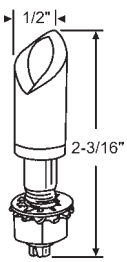


91-252
Bottom -for 1" Round Edge
Metal Door. Unplated
FLUSHMETAL

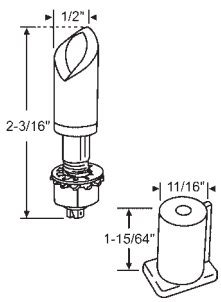


900-14906
Bottom -for 1" Round Edge Metal Door.
AMPCO/METPAR

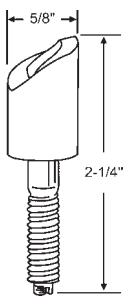
CAMS, PINTLES AND HINGE PINS



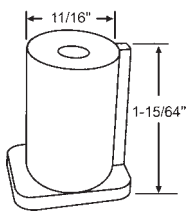
91-102B
Used with 91-114 and 91-191



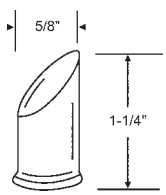
91-102
Set



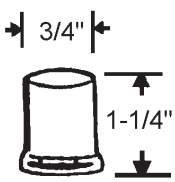
91-148
Used with 91-113, 91-190
and 91-189



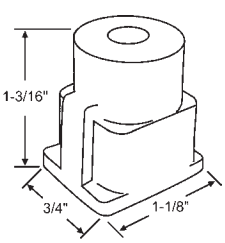
91-191
White Plastic. Fits Insert 91-73



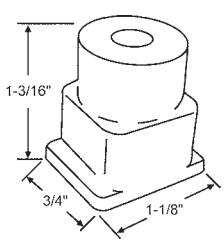
91-114
White Plastic. Fits Insert 91-153



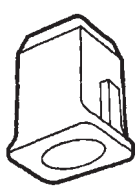
91-113
White Plastic. Fits Insert 91-117



91-189
White Plastic



91-190
White Plastic



91-313
Nylon
HADRIAN

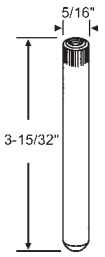
91-314
HADRIAN

CAMS, PINTLES AND HINGE PINS

91-152

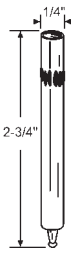
METPAR

91-96
Plastic
SANYMETAL



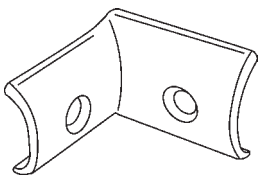
91-1

91-71
Hinge Bracket for Plastic Laminated Pilasters

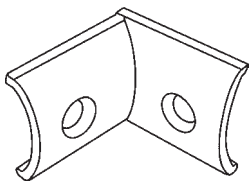


91-261
GENERAL

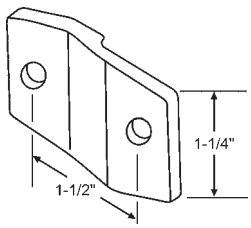
CHROME PLATED ALCOVE CLIPS, HEAD RAIL, END PLUGS AND BRACKETS



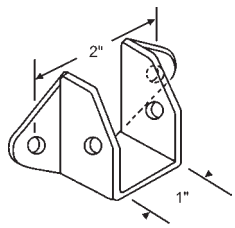
91-328
For 1" to 1-1/4" Post. Right Angle Curved Molding
FLUSH METAL



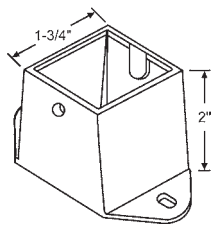
91-264
Alcove Right Angle Curved Molding
METPAR



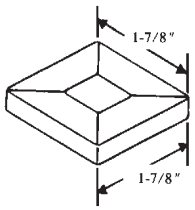
91-70
Alcove 1-1/4" Offset (1/8" per side). For all Size Posts



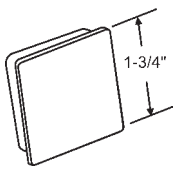
91-13
Headrail Bracket



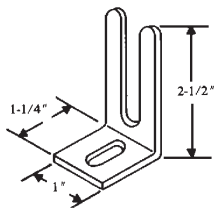
91-21
Pilaster Shoe for 1-3/4" Square Tube



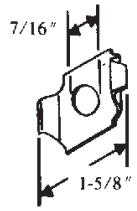
91-20
1-3/4" Nylon Square Post Cap



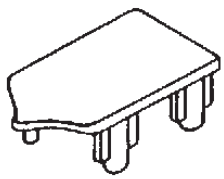
91-116
1-3/4" Nylon Square Post Plug



91-22
Floor Bracket

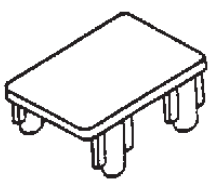


91-23
Spring Clip



91-63
Anti-Grip End Plug for all Size Handrails

ONE-WAY SCREW REMOVER

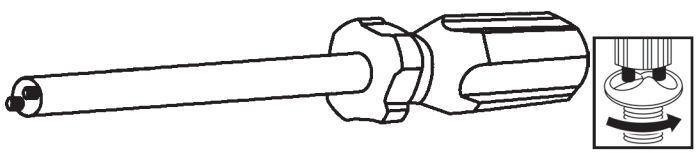


91-64
Rectangular End plug for 1" Handrail

If you've tried to remove One-Way Tamper-Proof Screws from toilet partition, locks, fixtures and assemblies... you know the frustration involved. NO MORE DRILLING, POUNDING, PULLING, OR CHISELING... that wastes time, bruises knuckles and causes costly hardware damage. Highly praised by thousands of locksmiths, maintenance and service personnel, contractors and other professionals as a VALUABLE TOOL NEEDED FOR YEARS!

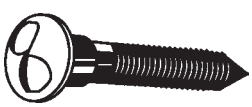
Part #	Screw Size
59-15	6-8
59-16	8-10
59-17	12-14

Three sizes available to fit all one-way screws.



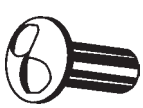
Easy to Use
Works like an ordinary screwdriver. "No slip" tip design provides maximum holding power until screw is removed.

CHROME PLATED TOILET PARTITION FASTENERS



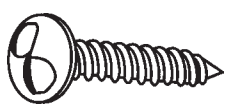
Part #	Screw Size
20-291	10-24 Thread x 15/16" Long
20-187	10-24 Thread x 1-3/16" Long
20-185	8-32 Thread x 1-3/8" Long

One Way Screws



Part #	Screw Size
20-293	10-24 Thread x 5/8" Long
20-186	10-24 Thread x 1/2" Long
20-186US	8-32 Thread x 1/2" Long (Not Slotted)

Barrel Nut



Part #	Screw Size
20-366	#10 x 3/4" Long
20-204	#10 x 1" Long
20-362	#10 x 5/8" Long

Self Tapping Screws

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MORTISE LOCKS

DEADLATCH

Specify RH or LH
(LH Shown)

DEADBOLT

Non Handed

HOOKBOLT

Non Handed

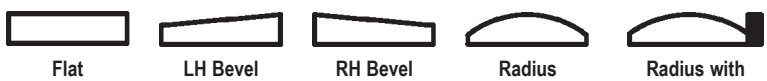
SPECIFICATIONS

- Function: Deadbolt, Hookbolt, Deadlatch
- Backset: 31/32", 1-1/8", 1-1/2"
- Face Plate: 1"W x 6-7/8" L - Aluminum
- Case Dimensions: 7/8"W x 6"L x Depth specific to backset
- Latchbolt: Deadbolt - 5/8"W x 2-7/8" L x 1-3/8" throw
- Hookbolt - 5/8"W x 1-3/8" L x 13/16" throw
- Deadlatch - 1/2"W x 1.0" L x 1/2" throw
- Deadlatches: Zinc alloy latchbolt with Delrin plastic insert, auxiliary bolt zinc die cast, deadlocks latchbolt and prevents manipulation

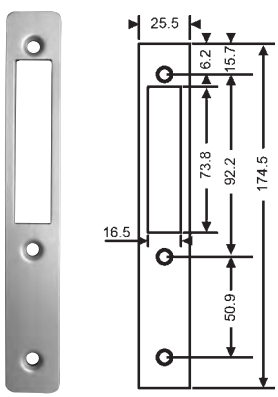
Part #	Hand	Function	Lock Backset	Case Depth
19-411LH	LH	Deadlatch	31/32"	1-5/8"
19-411RH	RH	Deadlatch	31/32"	1-5/8"
19-401LH	LH	Deadlatch	1-1/8"	1-25/32"
19-401RH	RH	Deadlatch	1-1/8"	1-25/32"
19-435	Non- Handed	Deadbolt	31/32"	1-5/8"
19-403	Non- Handed	Deadbolt	1-1/8"	1-25/32"
19-436	Non- Handed	Hookbolt	31/32"	1-5/8"
19-402	Non- Handed	Hookbolt	1-1/8"	1-25/32"
19-405	Non- Handed	Hookbolt	1-1/2"	2-1/4"

FACEPLATES

APPLICABLE DOOR STILES

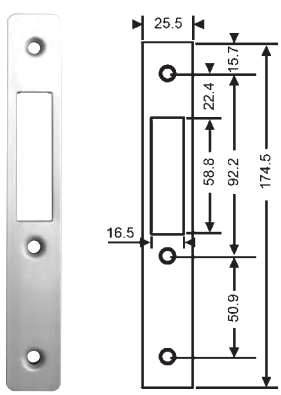


Flat | LH Bevel | RH Bevel | Radius | Radius with Weather-strip



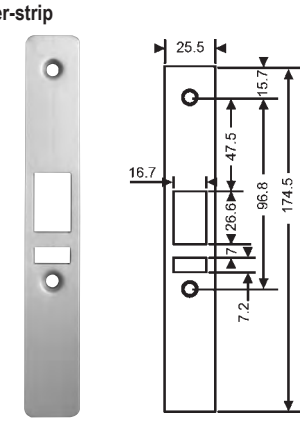
Faceplates for Mortise Lock with Deadbolt

Part #	Door Stile	Finish
19-432	Flat	Aluminum
19-432DBZ	Flat	Bronze
19-420	LH Bevel	Aluminum
19-420DBZ	LH Bevel	Bronze
19-421	RH Bevel	Aluminum
19-421DBZ	RH Bevel	Bronze
19-416	Radius	Aluminum
19-416DBZ	Radius	Bronze
19-423	Radius w/Weatherstrip	Aluminum
19-423DBZ	Radius w/Weatherstrip	Bronze



Faceplates for Mortise Lock with Hookbolt

Part #	Door Stile	Finish
19-433	Flat	Aluminum
19-433DBZ	Flat	Bronze
19-418	LH Bevel	Aluminum
19-418DBZ	LH Bevel	Bronze
19-419	RH Bevel	Aluminum
19-419DBZ	RH Bevel	Bronze
19-417	Radius	Aluminum
19-417DBZ	Radius	Bronze
19-422	Radius w/Weatherstrip	Aluminum
19-422DBZ	Radius w/Weatherstrip	Bronze



Faceplates for Mortise Lock with Deadlatch

Part #	Door Stile	Finish
19-434	Flat	Aluminum
19-434DBZ	Flat	Bronze
19-413	LH Bevel	Aluminum
19-413DBZ	LH Bevel	Bronze
19-414	RH Bevel	Aluminum
19-414DBZ	RH Bevel	Bronze
19-412	Radius	Aluminum
19-412DBZ	Radius	Bronze
19-415	Radius w/Weather-strip	Aluminum
19-415DBZ	Radius w/Weather-strip	Bronze

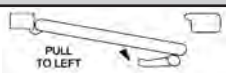
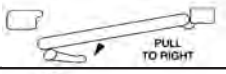
PUSH/PULL PADDLE

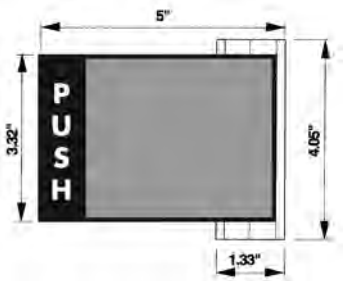
For use with 19-401 and 19-411 deadlatch or any other brand of narrow stile mortise deadlatch. Paddle is four way reversible, select application required by referring to chart below. Handing can be reversed on cam plug by removing C- clip and flipping the cam over and reinstalling C- clip.

SPECIFICATIONS
- Paddle: Extruded aluminum
- Housing: Zinc alloy, black hard coat finish
- Operating assembly: Steel mechanism
- Hand: Non-handed, cam plug included - Reversible
- Standard package: Paddle arm, operating housing, binder posts, cam plug, self adhesive decals and mounting hardware

Part #	Finish
19-431	Aluminum
19-431BZ	Bronze

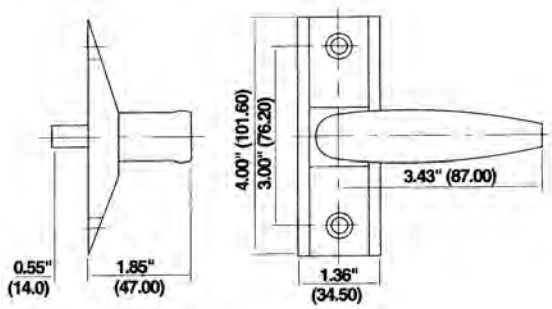
UNIVERSAL - 4 WAY REVERSIBLE

Type	Operation	Use
PULL - LH		Outside of left hand reverse door or inside of right hand
PUSH - LH		Outside of left hand door or inside of right hand reverse
PULL - RH		Outside of right hand reverse door or inside of left hand
PUSH - RH		Outside of right hand door or inside of left hand reverse



LEVER HANDLE

For use with 19-401 and 19-411 deadlatch or any other brand of narrow stile mortise deadlatch. Lever is reversible. Handing can be reversed on cam plug by removing C- clip and flipping the cam over and reinstalling C- clip. Cam plug is secured to lever by 2 hardened steel pins. Cam plug locks into deadlatch by use of set screw in deadlatch.



SPECIFICATIONS
- Lever: Aluminum alloy cast
- Escutcheon: Aluminum 1-3/8" x 4", heavy duty spring mechanism prevents sagging of lever handle
- Spindle: Wrought steel, 1/4" square hardened heat treated
- Hand: Non-handed easily reversible
- Operation: Turning lever downward will activate deadlatch
- Standard package: Cam plug included, all mounting screws, templates and installation instructions

Part #	Finish
19-428	Aluminum
19-428BZ	Bronze

STRIKES

Part #	Description	Finish
19-570	Single Strike	Aluminum
19-571	Double Strike	Aluminum

Both strikes are for use with 19-401 and 19-411 deadlatch or any other brand of narrow stile mortise deadlatch. Order double strike when converting a narrow stile lock to a deadlatch, to cover elongated slot in aluminum frame.

Single Strike

Double Strike

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CYLINDERS/TRIM RINGS/ COLLARS

Mortise Cylinder

Part #	Description	Finish	Material
19-573	Key Cylinder (Keyed Alike in Pairs)	Aluminum	Zinc
19-573BZ	Key Cylinder (Keyed Alike in Pairs)	Bronze	Zinc
19-410	Key Cylinder (Keyed Different)	Aluminum	Zinc
19-410BZ	Key Cylinder (Keyed Different)	Bronze	Zinc
19-755	Key Cylinder (Keyed Different)	Aluminum	Brass
19-755BZ	Key Cylinder (Keyed Different)	Bronze	Brass
19-572	Key Cylinder (Keyed Alike)	Aluminum	Zinc
19-572BZ	Key Cylinder (Keyed Alike)	Bronze	Zinc
19-409	Thumbturn Cylinder	Aluminum	Zinc
19-409BZ	Thumbturn Cylinder	Bronze	Zinc
19-408	Dummy Cylinder	Aluminum	Zinc
19-408BZ	Dummy Cylinder	Bronze	Zinc

Rim Cylinders

Part #	Description	Finish	Material
19-568	Keyed Rim Cylinder	Aluminum	Brass
19-568BZ	Keyed Rim Cylinder	Bronze	Brass

Part #	Description	Finish
19-565	Extruded Trim Ring 3/16" (Solid)	Aluminum
19-565BZ	Extruded Trim Ring 3/16" (Solid)	Bronze
19-566	Extruded Trim Ring 3/16" (Hollow)	Aluminum
19-566BZ	Extruded Trim Ring 3/16" (Hollow)	Bronze
19-567	Cylinder Guard Anti-Wrench Collar	Aluminum
19-567BZ	Cylinder Guard Anti-Wrench Collar	Bronze

Keyed Mortise Cylinder

Thumbturn Mortise Cylinder

Dummy Mortise Cylinder

SPECIFICATIONS
- Type: Mortise or Rim
- Finish: Zinc or Brass Mortise, Brass Rim
- Key cylinders - 5 pin Schlage "C" keyway
- Mortise cylinders are 1-5/32" diameter, 1" length Cam - MS A/R type, except DUM
- Rim cylinder, flat cut to size tail piece - Keyed different packed with collar ring, mounting plate, 2 screws
- Key options Keyed different
  Keyed alike
  Keyed alike in pairs

Keyed Rim Cylinder

Extruded Trim Ring (Solid)

Stamped Trim Ring (Hollow)

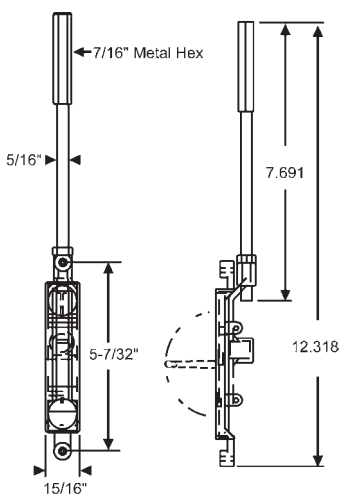
Cylinder Guard Anti-Wrench Collar

FLUSH BOLT

Mortise flush bolt for use on all commercial Storefront and architectural aluminum and glass narrow stile door. Made for easy installation, replaces most brands of Storefront flush bolt.

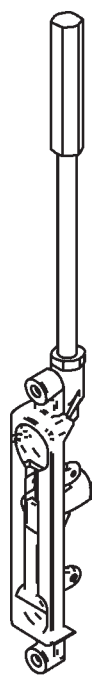
SPECIFICATIONS
- Spring loaded lever action
- Rod extension- 7/8" throw
- Backset 3/4"
- 5/8" adjustment on rod length
- Face plate dimensions 15/16" x 4-1/2" with 5/32" radius corner
- Square 1/2" nylon tip with beveled corners to prevent binding
- Supplied with nylon keeper and fasteners

Part #	A	Rod Length	Finish
19-426	1/8"	10"	Aluminum
19-426BZ	1/8"	10"	Bronze
19-427	1/4"	10"	Aluminum
19-427BZ	1/4"	10"	Bronze
19-569	1/8"	16"	Aluminum
19-569BZ	1/8"	16"	Bronze



Part #	Description
56-144W	Set
56-142W	Flush Bolt
56-143	SS Rod

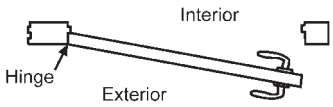
TRACO/SECURITY



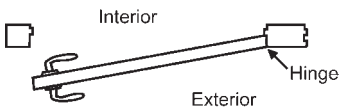
3/4" OFFSET PIVOT

Offset Pivots are used for both flush face frame installation and recessed door applications. Pivots replace most major door manufacturers. Suitable for aluminum doors weighing up to 125 pounds. These pivots are engineered and designed for durability, style and are easy to install. To order pivot: For LHRB door order RH pivot. For RHRB door order LH pivot.

Left Hand Outswing (LH)



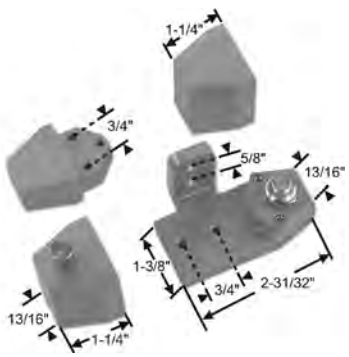
Right Hand Outswing (RH)



SPECIFICATIONS

- 3/4" offset pivots for aluminum doors and frames
- Weather resistant
- Aluminum case construction
- Vertical adjustment 1/8"
- Full race ball bearing and design, provides smooth operation on bottom pivot door portion
- No sag, entire weight of doors rests on floor mounted pivot portion
- Completely tamper proof, yet easily removable, replaceable in unlocked position

ARCH/VISTAWALL/TUBELITE/ARCADIA STYLE



Left Hand Shown

Part #	Application	Hand	Finish
19-259LH	1/8" Recessed Door	LH	Aluminum
19-259RH	1/8" Recessed Door	RH	Aluminum
19-259LHBZ	1/8" Recessed Door	LH	Bronze
19-259RHBZ	1/8" Recessed Door	RH	Bronze
19-736LH	For Flush Face Frame	LH	Aluminum
19-736RH	For Flush Face Frame	RH	Aluminum
19-736LHBZ	For Flush Face Frame	LH	Bronze
19-736RHBZ	For Flush Face Frame	RH	Bronze

Includes Screws

PITCO/PPG STYLE

Right Hand Shown

Part #	Application	Hand	Finish
19-734LH	3/32" Recessed Door	LH	Aluminum
19-734RH	3/32" Recessed Door	RH	Aluminum
19-734LHBZ	3/32" Recessed Door	LH	Bronze
19-734RHBZ	3/32" Recessed Door	RH	Bronze

Includes Screws

AMARLITE/REBCO STYLE

Right Hand Shown

Part #	Application	Hand	Finish
19-255LH	1/8" Recessed Door	LH	Aluminum
19-255RH	1/8" Recessed Door	RH	Aluminum
19-255LHBZ	1/8" Recessed Door	LH	Bronze
19-255RHBZ	1/8" Recessed Door	RH	Bronze

Includes Screws

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3/4" OFFSET PIVOT

ALDORA/ARCH STYLE

Right Hand Shown

Part #	Application	Hand	Finish
19-406LH	1/8" Recessed Door	LH	Aluminum
19-406RH	1/8" Recessed Door	RH	Aluminum
19-406LHBZ	1/8" Recessed Door	LH	Bronze
19-406RHBZ	1/8" Recessed Door	RH	Bronze

Includes Screws

US ALUM STYLE

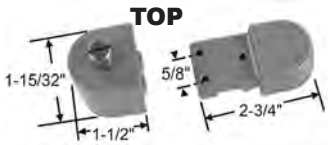
Left Hand Shown

Part #	Application	Hand	Finish
19-735LH	1/8" Recessed Door	LH	Aluminum
19-735RH	1/8" Recessed Door	RH	Aluminum
19-735LHBZ	1/8" Recessed Door	LH	Bronze
19-735RHBZ	1/8" Recessed Door	RH	Bronze

Includes Screws

KAWNEER STYLE

TOP



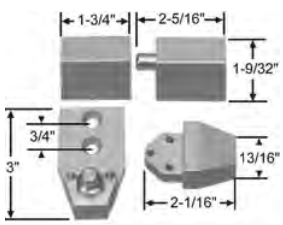
Right Hand Shown

BOTTOM

Part #	Application	Description	Hand	Finish
19-424T	1/8" Recessed Door	Top	-	Aluminum
19-424TBZ	1/8" Recessed Door	Top	-	Bronze
19-424LH	1/8" Recessed Door	Bottom	LH	Aluminum
19-424RH	1/8" Recessed Door	Bottom	RH	Aluminum
19-424LHBZ	1/8" Recessed Door	Bottom	LH	Bronze
19-424RHBZ	1/8" Recessed Door	Bottom	RH	Bronze

Includes Screws

KAWNEER/BESAM STYLE



Non-Handed

Part #	Application	Hand	Finish
19-737	1/8" Recessed Door	Non-Handed	Aluminum
19-737BZ	1/8" Recessed Door	Non-Handed	Bronze
19-258	For Flush Face Frame	Non-Handed	Aluminum
19-258BZ	For Flush Face Frame	Non-Handed	Bronze

Includes Screws

OFFSET ALUMINUM PIVOT

Right Hand Shown

Part #	Hand	Finish
19-612RH	Shown	Aluminum
19-612LH	Opposite	Aluminum
19-612RHBZ	Shown	Bronze
19-612LHBZ	Opposite	Bronze

YKK

INTERMEDIATE ALUMINUM PIVOT

Non-Handed

Part #	Finish
19-404	Bronze
19-404AL	Aluminum

Non-Handed

ARCH ALUMINUM

Non-Handed

Part #	Finish
19-407	Bronze
19-407AL	Aluminum

Non-Handed

KAWNEER

ADJUSTABLE DOOR PIVOT SET

Part Number	Finish	Hand
19-1096	Clear	Shown
19-1096BZ	Bronze	Shown
19-1097	Clear	Opposite
19-1097BZ	Bronze	Opposite

REGENT/ TUBELITE

STAINLESS STEEL BUTT HINGES

SPECIFICATIONS
- 4-1/2" x 4"
- Square Corner
- Ball Bearing
- Non Removable Pin
- Button Tip
- Packed & Sold in Sets of 3

Part #	Finish
8-474SSBN	Brushed Nickel
8-474SS	Brushed Chrome

Per Set of 3

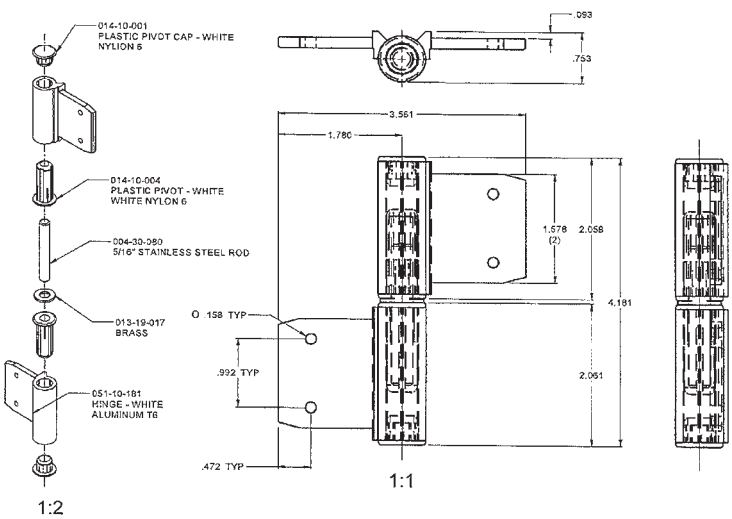
DELUXE HINGE KIT

Part #	Finish
19-574	Aluminum
19-574BZ	Bronze

KIT CONTAINS
- (2) Roto Pin Hinges
- (12) One-Way Screws
- (4) Cover strips
- (1) Allen Wrench for vertical adjustment
- (2) 1/8" shims for Flush Door Application
- (1) Instruction Sheet

Deluxe Hinge Kits are the ideal choice for multiple application door solutions, when existing hardware fails. A quick and easy fix for any compromised opening.

SPECIFICATIONS
- For commercial doors up to 500 lbs.
- Non handed full surface applications
- Made from high-tensile aluminum alloy
- Self-lubricating pin rotates on anti-friction bearings
- Hinges securely fastened with tamper proof screws
- Vertical adjustment screw
- Weather resistant
- Doors easily serviced without removal of hinge pin, lift off
- Packed and sold in pairs



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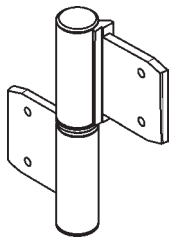
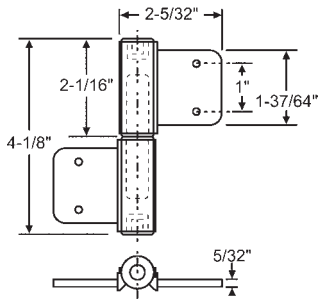


Part #	Finish	Hand
56-141RH	Mill	Shown
56-141LH	Mill	Opposite
56-141RHW	White	Shown
56-141LHW	White	Opposite
56-141RHBZ	Bronze	Shown
56-141LHBZ	Bronze	Opposite

TRACO/SECURITY



Part #	Hand
56-145LHW	Shown
56-145RHW	Opposite

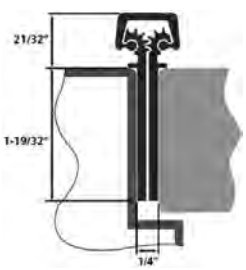
White

TRACO/SECURITY

CONTINUOUS HINGES

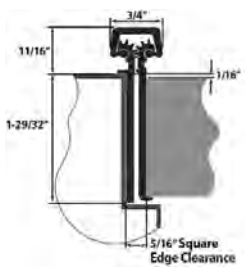
- Available in full mortise and surface mount
- 6063 T6 Aluminum alloy, with interlocking extrusions
- Non-handed design
- 83" length
- Standard duty with 16 thrust type self-lubricating concealed bearings per hinge
- 200 lb. max weight capacity
- High degree of security
- Anodized aluminum after machining
- Through bolt and machine screws fixing
- Template hole patterns
- Minimum 5 Hinges Required or Combination

Full Mortise Type



FEATURES
- Full mortise type
- Flush mount
- Each hinge leaf has an alignment stop
- 1/4" clearance between door and frame

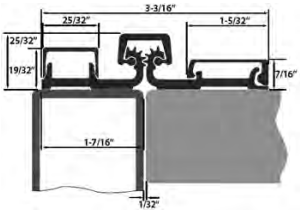
Part #	Finish
8-640	Aluminum
8-640BZ	Bronze



FEATURES
- Full mortise type
- 1/16" door offset
- Door edge guard
- 5/16" clearance between door and frame

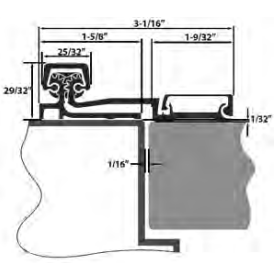
Part #	Finish
8-641	Aluminum
8-641BZ	Bronze

Full Surface Type



FEATURES
- Full surface continuous hinge
- For narrow (limited) frame applications
- Tamper resistant removable door leaf cover
- 1/32" clearance between door and frame

Part #	Finish
8-639	Aluminum
8-639BZ	Bronze



FEATURES
- Full surface continuous hinge
- 1/32" door panel offset
- Tamper resistant removable door leaf cover
- 1/16" clearance between door and frame

Part #	Finish
8-638	Aluminum
8-638BZ	Bronze

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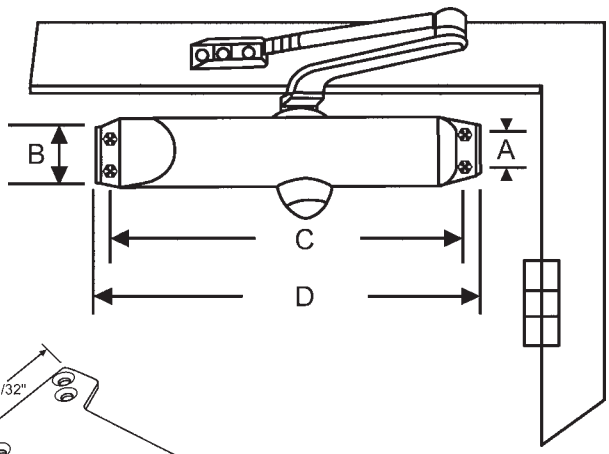
DOOR CLOSERS

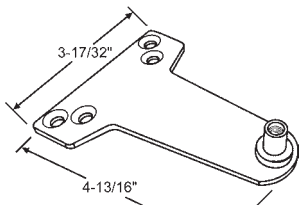


FEATURES
- Surface mounted interior and exterior
- Size 3 is used on 3 ft. Wide interior door or 2-1/2 ft. Wide exterior door
- Size 4 is used on 4 ft. Wide interior door or 3 ft. Wide exterior door
- Non-handed
- Permanent lubricating hydraulic fluid
- Easy, smooth action
- Housing made of non-corroding aluminum
- Narrow design is perfect for aluminum, glass, wood and other modern doors

Part #	Size	A	B	C	D	Finish
18-70	#3	3/4"	1-3/4"	8-3/16"	8-15/16"	Aluminum (Silver)
18-72	#3	3/4"	1-3/4"	8-3/16"	8-15/16"	Bronze (Gold)
18-74	#3	3/4"	1-3/4"	8-3/16"	8-15/16"	Duranodic (Dk. Brown)
18-68	#4	3/4"	1-3/4"	9-1/16"	9-13/16"	Aluminum (Silver)
18-69	#4	3/4"	1-3/4"	9-1/16"	9-13/16"	Bronze (Gold)
18-73	#4	3/4"	1-3/4"	9-1/16"	9-13/16"	Duranodic (Dk. Brown)

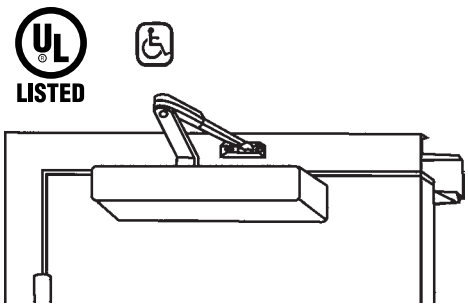
Dimensions for Closers with Backcheck Feature

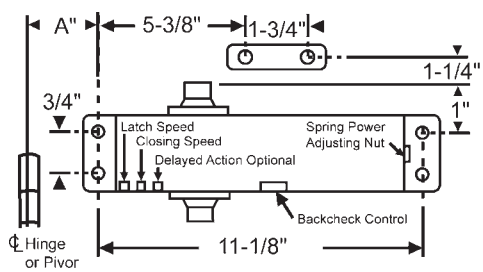
Part #	Size	A	B	C	D	Finish
18-70BC	#3	3/4"	1-3/4"	8-3/16"	8-15/16"	Aluminum (Silver)
18-68BC	#4	3/4"	1-3/4"	9-1/16"	9-13/16"	Aluminum (Silver)



19-210
Parallel Bracket

POWER ADJUSTABLE CLOSER WITH BACK CHECK OR DELAYED ACTION



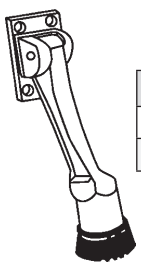


Opening	Dim. "A"
To 120°	7-3/32"
120° - 180°	3-15/16"

Part #	Finish
18-88	Aluminum (Silver)

ANSI GRADE 1
A - 156.4 STANDARDS APPLICABLE

DOOR STOPS



Part #	Color
19-136	Brass
19-137	Aluminum

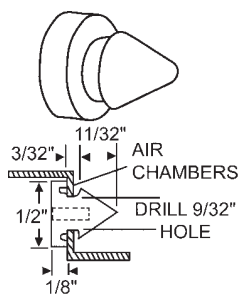
5" Drop Down Door Stop

Part #	Finish
19-135	Brass
19-138	Aluminum
19-135PB	Bright Brass

19-135T
Screw type tip only.
Black

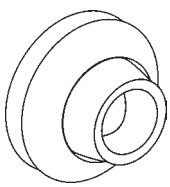
19-267
Heavy Duty Floor Mount Door Stop. Cast Aluminum. 3" Projector with 2-1/8" Base Plate. 3 Hole Surface Mount. Furnished with Screws

DOOR SILENCER



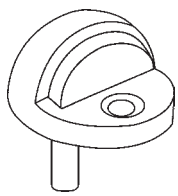
Part #	Finish
19-134	Gray

Rubber Grommet



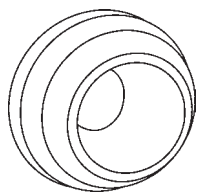
Part #	Finish
19-140	Stainless Brushed
19-140BZ	Dark Bronze
19-140AB	Antique Brass
19-140B	Brass

Screw mount, 2-1/2" diameter with gray vinyl bumper, concealed screw mount. Concave face to fit interior lock button. Furnished with anchor and screw.



Part #	Finish
19-141	Satin Aluminum
19-141BC	Brushed Chrome

Zinc Die Cast, Low Profile Door Stop. 1-3/4" Base, 1" Height, 1/8" Clearance.



Part #	Color
19-139W	White
19-139	Gray

Adhesive backed, 1-7/8" diameter, gray rubber, peel-off label, pressure sensitive backed.

EXIT DEVICES

SURFACE VERTICAL ROD

LISTED

Our Surface Vertical Rod panic device is the perfect choice for double doors without mullions. Reversible for right or left hand doors, they are ideal for new construction or renovations. Our panics can be used in conjunction with any of our exit device trims.

Grade - ANSI A156.3 Grade 2

Part #	Finish
19-732	Aluminum
19-732BZ	Bronze
19-732SS	Stainless Steel

FIRE RATED (3 HOURS)

Part #	Finish
19-733	Aluminum
19-733SS	Stainless Steel

Exit Device Trims

Night Latch Handle Set

Part #	Finish
19-752	Aluminum

Dummy Handle Set

Part #	Finish
19-753	Aluminum

Entry Handle Set

Part #	Description
19-1038AL	w/Cylinder
19-1035AL	no Cylinder

Aluminum Finish

Exit Only Plate

Part #	Finish
19-751	Aluminum

Entry Lever

Part #	Finish
19-604AL	Aluminum
19-604BZ	Bronze

Storeroom Lever

Part #	Finish
19-619AL	Aluminum

Passage Lever

Part #	Finish
19-618AL	Aluminum

Entry Ball

Part #	Finish
19-1034AL	Aluminum

FEATURES

- MATERIAL: Extruded anodized aluminum push bar, stainless steel springs
- LATCH: Top Pullman type, Bottom bolt assembly
- DOOR HEIGHT: 7' standard
- BACKSET: 2-3/4" on 4-1/2" minimum stile width -if less than 4-1/2" backset becomes half of the exposed stile width
- STRIKE: Top-surface mounted, Bottom-flat mortise or into threshold, vertical/rim application use DBLST double dr. strike
- PROJECTION: 2-1/2" - 1-7/8" dogged
- STILE: 4-1/2" minimum
- HANDING: Reversible, non-handed
- DOOR THICKNESS: 1-3/4" standard
- DOOR WIDTH: 36", can be field sized to 30"
- MOUNTING HEIGHT: Recommended installation at 41" from finished floor to center line of push rail.
- FASTENERS: Furnished with sheet metal and machine screws
- CYLINDER NOT INCLUDED
- DOGGING: 1/2 turn hex key

Rim Cylinder

Part #	Finish
19-568	Aluminum
19-568BZ	Bronze

Pull Trim

Part #	Finish
19-749	Aluminum

Dummy Pull Trim

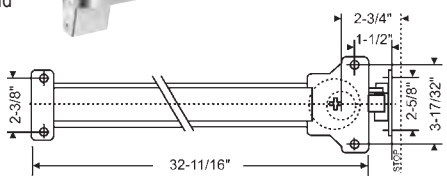
Part #	Finish
19-750	Aluminum

TOUCH BAR

"Touch bar" style exit devices are suitable for all doors (aluminum, hollow metal, or wood) where there is no projection on the face. Manufactured of extruded anodized aluminum, the touch bar is durable enough for the most demanding applications. Rim cylinder is not included and needs to be ordered separately.

Grade - ANSI A156.3 Grade 2.

LISTED



Part #	Finish
19-730	Aluminum
19-730BZ	Bronze
19-730SS	Stainless Steel

FIRE RATED (3 HOURS)

Part #	Finish
19-731	Aluminum
19-731SS	Stainless Steel

Exit Device Trims

Rim Cylinder

Part #	Finish
19-568	Aluminum
19-568BZ	Bronze

Pull Trim

Part #	Finish
19-749	Aluminum

Dummy Pull Trim

Part #	Finish
19-750	Aluminum

Entry Ball

Part #	Finish
19-1034AL	Aluminum

Entry Lever

Part #	Finish
19-604AL	Aluminum

Storeroom Lever

Part #	Finish
19-619AL	Aluminum

Passage Lever

Part #	Finish
19-618AL	Aluminum

FEATURES

- MATERIAL: Extruded anodized aluminum push bar, stainless steel springs
- LATCH: Stainless Steel, 3/4" throw - 5/8" deadlatch
- BACKSET: 2-3/4" Covers 161 prep, includes latch & Strike filler plates
- STRIKE: Surface mounted for 5/8" stop with shim
- PROJECTION: 2-1/2" - 1-7/8" dogged
- STILE: 4-1/4" minimum
- HANDING: Reversible, non-handed
- DOOR THICKNESS: 1-3/4" standard
- DOOR WIDTH: 36", can be field sized to 30"
- MOUNTING HEIGHT: Recommended installation at 41" from finished floor to center line of push rail.
- FASTENERS: Furnished with sheet metal and machine screws
- DOGGING: 1/2 turn hex key
- CYLINDER **NOT INCLUDED (order separately)**

Night Latch Handle Set

Part #	Finish
19-752	Aluminum

Dummy Handle Set

Part #	Finish
19-753	Aluminum

Entry Handle Set

Part #	Description
19-1038AL	w/Cylinder
19-1035AL	no Cylinder

Aluminum Finish

Exit Only Plate

Part #	Finish
19-751	Aluminum

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NARROW STILE EXIT DEVICES

CONCEALED VERTICAL ROD

These panic devices blend the utility of a vertical rod application with the appearance of a traditional panic device. It is non-handed and reversible with a contoured cross bar that will fit doors up to 42" wide and can be field sized to accommodate narrow doors.

Grade - ANSI A156.3 Grade 2

Part #	Finish
19-754	Aluminum
19-754BZ	Bronze

FEATURES
- MATERIAL: Contoured anodized aluminum cross bar, stainless steel springs
- LATCH CASE: 1-1/4" wide x 7-1/4" long
- DOOR HEIGHT: 7' standard
- BACKSET: Center template on narrow door stile
- STRIKE: Top-flat mortise, Bottom-flat mortise or directly through threshold
- PROJECTION: 4-3/4"
- STILE: 1-7/8" minimum
- HANDING: Reversible, non-handed
- DOOR THICKNESS: 1-3/4" standard
- DOOR WIDTH: Up to 42"
- MOUNTING HEIGHT: 35-11/16" from floor to center line of the bottom latch case mounting stud
- FASTENERS: Furnished with sheet metal, machine screws and shoulder mounting studs with set screws
- CYLINDER: Accepts mortise type
- DOGGING: Inside- push up dog pin and rotate with screwdriver, Outside- by key cylinder

Exit Device Trims

Brass Mortise Cylinder

Part #	Finish
19-755	Aluminum
19-755BZ	Bronze

Zinc Mortise Cylinder

Part #	Finish
19-410	Aluminum
19-410BZ	Bronze

Cylinder Mounting Trim

Part #	Finish
19-756	Aluminum

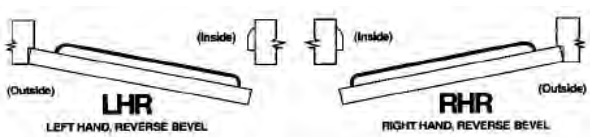
*For exterior key application must order 19-756/19-756BZ. Insert mortise cylinder in mounting trim and secure with locking ring nut, included.

TOUCH BAR

These "crash bar" style exit devices are suitable for narrow, medium or wide stile aluminum and hollow metal doors. Contoured cross bar that will fit doors up to 42" wide and can be field sized to accommodate narrow doors.

Grade - ANSI A156.3 Grade 2

Part #	Finish	Hand
19-747RH	Aluminum	Right
19-747LH	Aluminum	Left
19-748RHBZ	Bronze	Right
19-748LHBZ	Bronze	Left



*For Left Hand Reverse Door; order RH device
*For Right Hand Reverse Door; order LH device

FEATURES
- MATERIAL: Contoured anodized aluminum cross bar, stainless steel springs
- LATCH CASE: 1-1/4" wide x 7-1/4" long with 1/2" stainless throw
- BACKSET: 1-5/32" from edge of door to center line of device
- STRIKE: Rim mounted roller strike with shim
- PROJECTION: 4-3/4"
- STILE: 1-7/8" minimum
- HANDING: Handed, please specify RH or LH
- DOOR THICKNESS: 1-3/4" standard
- DOOR WIDTH: Up to 42"
- MOUNTING HEIGHT: Recommended installation at 39-13/32" from floor to center line of latch or strike assemblies
- FASTENERS: Furnished with sheet metal, machine screws and shoulder mounting studs with set screws
- CYLINDER: Accepts rim cylinder only
- DOGGING: Inside-push up dog pin rotate with screwdriver, Outside-by key cylinder

Exit Device Trims

Rim Cylinder

Part #	Finish
19-568	Aluminum
19-568BZ	Bronze

Exit Only Plate

Part #	Finish
19-751	Aluminum

Pull Trim

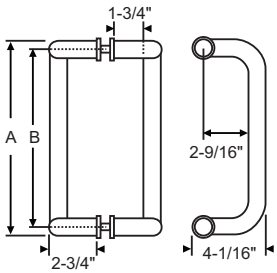
Part #	Finish
19-749	Aluminum

Dummy Pull Trim

Part #	Finish
19-750	Aluminum

*All trim applications for new door or existing hole less than 1-3/16"

DOOR PULLS

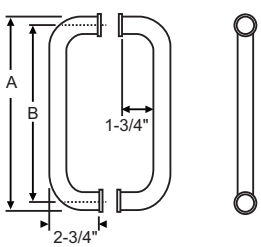


Part #	A	B	Finish
19-1103BSS	11"	10"	Brushed Stainless
19-1103PSS	11"	10"	Polished Stainless
19-1104BSS	13"	12"	Brushed Stainless
19-1104PSS	13"	12"	Polished Stainless

- Offset Back to Back Tempered Glass Mount Commercial
- Material Specifications: Stainless Steel
- Glass Thickness: 3/8" to 3/4"
- Construction: 1" (25mm) Diameter
- Offset: 3"
- Glass Fabrication: 2 X 5/8" diameter holes - 10" CTC or 12" CTC

Includes:

- 2 Through bolts for Glass mounting
- 4 Metal Washers - 1-1/4" diameter with rubber gaskets



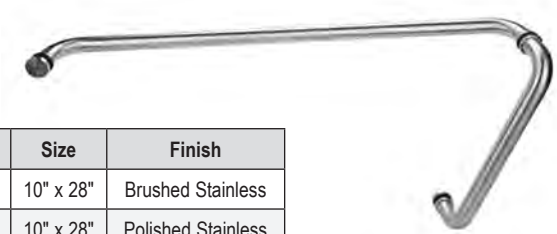
Part #	A	B	Finish
19-1101BSS	11"	10"	Brushed Stainless
19-1101PSS	11"	10"	Polished Stainless
19-1102BSS	13"	12"	Brushed Stainless
19-1102PSS	13"	12"	Polished Stainless

- In-line Back to Back Tempered Glass Mount Commercial
- Pull Sizes: 10" or 12"
- Material Specifications: Stainless Steel
- Application: Heavy Glass Doors
- Glass Thickness: 3/8" to 3/4"
- Construction: 1" (25mm) Diameter
- Glass Fabrication: 2 X 5/8" diameter holes - 10" CTC or 12" CTC

Includes:

- 2 Through bolts for Glass mounting
- 4 Metal Washers - 1-1/4" diameter with rubber gaskets

Rockwell Glass Mounted Straight Combination Push and Pull Handles



Part #	Size	Finish
19-1106BSS	10" x 28"	Brushed Stainless
19-1106PSS	10" x 28"	Polished Stainless
19-1107BSS	12" x 28"	Brushed Stainless
19-1107PSS	12" x 28"	Polished Stainless

Rockwell Glass Mount Straight Combination Pulls are for Use with 3/8" to 3/4" (10 - 19 mm) Glass thickness

- Fits 3/8" - 3/4" (10 - 19 mm) Glass
- Diameter: 1" (25mm)
- Material: Stainless Steel or Brass Tubing
- Glass Fabrication: 3-5/8" (16 mm)
- Diameter Holes: 28" (711 mm CTC)

** TEMPERED GLASS Use Only

Includes:

- 2 Through bolts for Glass mounting
- 4 Metal Washers - 1-1/4" diameter with rubber gaskets

Rockwell Dustproof Keeper with Mounting Plate

Part #	Finish
19-1116AL	Aluminum
19-1116B	Black
19-1116BSS	Brushed Stainless
19-1116PSS	Polished Stainless

Rockwell Dustproof Keeper with Mounting Plate available in four Finishes in Locking models. Accepts 5/8" (16 mm) Diameter Plunger Bolt

- Fits 5/8" (16 mm) Plunger from these or similar devices
- Function: Locking
- Material: Stainless Steel

Includes:

- 2 Flat Head Screws
- (Requires a 1" diameter hole drilled 2" into door for installation)

AZA SALES
TOLL FREE: 1-888-926-9200
PH: 631-979-9261 FAX: 631-979-8245
WWW.AZAHARDWARE.COM

FOAMING GLASS CLEANER

- Industrial Strength
- Cleans glass, windows, mirrors, windshields, enamel surfaces, chrome, tile, porcelain and other hard surfaces.
- Sprays in any position (360° Valve)
- Dissolves dirt, grease, grit and grime
- Heavy-Duty Foam clings to vertical surfaces
- Non-ammoniated
- Guaranteed to leave no film - "Streak Free"
- Safe on tinted glass, plastic and mirrors
- Contains cosmetic-grade alcohol for best performance
- Superior quality at competitive pricing
- Patent Pending Formulation

59-101
19 oz. Can

"Private Label Spray-X Foam Glass Cleaner as your own!!"
Just provide us with your logo and website and you can have your own Spray-X private label cans.

Free Freight

Part #	Can Size	Pallet Contents
59-101P	19 oz. Can	540 Cans per Pallet (45 Cases,12 cans per case)
59-101P4	4 oz. Can	540 4 oz. Cans per pallet (45 Cases,12 cans per case)
59-101MIXP	19 oz. & 4 oz. Cans	540 19 oz. cans (45 Cases,12 cans per case) 540 4 oz. cans (45 Cases,12 cans per case)

LUBRICANTS

"L.C. Wax" Alumaslick Aluminum Lubricant & Liquid Masking

"L.C. Wax" Alumaslick Aluminum Lubricant & Liquid Masking cleans and lubricates aluminum better than anything. Quick penetration/ release and long lasting lubrication. Cleans corrosion and tarnish, protects from salt corrosion, reduces wear, stops squeaks, bumps, klunks, clinks.

Part #	Size
59-50	11 oz. Can
59-50-1	1 Gal Can

Alum-A-Lub Lubricating Cleaner

Alum-A-Lub cleaner is the "All Purpose" lubricating cleaner that can be used on all products that stick or squeak. Alum-A-Lub assures ease of operation and a "like new" appearance for metal windows, doors, locks, hinges, cabinets and more. Simply spray and wipe away dirt, grime and gummy residue left by other lubricants. A must for your shop, workroom, home, maintenance department or garage. 12 per case

Part #	Size
59-5	9.4 oz. Can
59-5-1	15 oz. Can

SOUDAL ADHESIVES, GUN FOAMS & CLEANERS

Silirub N1 is a Premium Grade 100%, Neutral Cure Silicone

- Permanently flexible
- Easy to apply
- Excellent adhesion to glass, vinyl, wood, aluminum & many more
- Low odor
- UV resistant
- No shrinkage
- AAMA compliant

Applications:

- Building and construction joints
- Top sealing at glazing jobs
- Suitable as backbedding compound as well as weather sealant
- Joints with high movement between different building materials
- Sealing between treated wood, metal, PVC profiles and glass

Surfaces:

- Type: all usual building surfaces
- State of surface: clean, dry, free of dust and grease
- Preparation: Prime porous surfaces with Primer, no primer required for non-porous surfaces.

Part #	Color	Size
59-137W	White	10.1 oz. Tube
59-137	Clear	10.1 oz. Tube
59-138W	White	20 oz. Sausage

We recommend a preliminary compatibility test, especially on PVD and powder coated materials.

Note: Custom Color Matching Available. Three Case Minimum (12 Per Case). Check with Your Account Manager for Available Colors and Lead Times.

59-132
Gun Foam

Soudafoam Door & Window is a minimal expansion, one component, moisture curing PU foam

- 24 oz. Aerosol Can
- Minimal Expansion
- Easy Application
- Excellent Adhesion to Almost all Substrates
- Excellent Thermal and Acoustical Insulation
- No Shrinkage
- AAMA Compliant

59-134
Genius Gun with Foam

Soudafoam Door & Window is a minimal expansion, one component, moisture curing PU foam and gun all in one.

- 20 oz. Aerosol Can
- Integrated Gun System
- Reusable
- Minimal Expansion
- Easy Application
- Excellent Adhesion to Almost all Substrates
- Excellent Thermal and Acoustical Insulation
- No Shrinkage

59-136
Gun & Foam Cleaner

Soudal Gun & Foam Cleaner Is a solvent cleaner specifically designed for cleaning of uncured PU foam

- 12 oz. aerosol can
- For Hands and Tools
- Cleans Uncured Solvent
- Removes Oil, Adhesive, Etc.

59-135
Cleaning Wipes

Swipex are solvent based cleaning wipes for uncured sealants & adhesives.

- Non-Woven Wipes Impregnated with a Mixture of Solvents, Biodegradable Bon-Ionic Surfactants and Skin Emollients
- Suitable for all Non-Porous Surfaces
- For Hands and Tools
- Cleans Uncured Solvent
- Removes Oil, Adhesive, Etc.
- 100 Wipes