

800-678-1919

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17319 Blaine Drive, Hagerstown, MD 21740-2394

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MARVIN

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Doors and Windows

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Andersen & Truth Hardware featured throughout this catalog. We have an extensive line of hardware available.

ORDERING INFORMATION

Toll Free Express Ordering: Customers may place phone orders by calling 800-678-1919 from 8 a.m. - 5 p.m. eastern time, Monday through Friday.

Ordering Information: Our catalog has been designed to make ordering as easy as possible. It is not possible to list all of the items available through Blaine. If you need items, that do not appear in our catalog, please send a sample to our Research Department at 17319 Blaine Drive, Hagerstown, Md 21740-2394. To help expedite your orders, please use our part numbers, quantities required and include your account number, if possible, on your purchase orders.

Delivery Status: Any delivery dates set forth by Blaine Window are estimates only and are not intended as a guarantee of date of delivery. Our pledge is for quick and efficient processing of your order. However, due to the nature of our business, stock shortages may occur from time to time. Items will remain on back-order until shipped. Blaine Window Hardware will not be liable for any delay in delivery or failure to deliver any or all of the goods in case such delay results from causes beyond our control. Order status may be obtained by calling our office at 800-678-1919.

Damages / Shortages: All material, in transit, is the

property of the buyer and buyer assumes all responsibility for filing claims and damages. **Please inspect all freight for visible damage prior to accepting. Do not accept cartons which show damage or are open. Claims for concealed damage must be made by the buyer, with the carrier, within ten (10) working days.**

Original shipping carton must be retained. Shortages must be reported to us at 800-678-1919 within ten (10) working days.

Returns: All returns / exchanges must be made within 30 days from receipt of material. Authorization numbers are available by calling us at 800-678-1919. All authorization numbers must appear on the outside of the carton and merchandise must be shipped prepaid to our warehouse. Shipping charges will not be credited on returns unless authorized in writing by Customer Service. Any unauthorized returns will be refused. A restocking fee of 25% will be charged for returns when the customer ordered incorrectly. We strongly urge you to send a sample to eliminate doubt when placing orders. Special order or custom made parts are not returnable unless defective.

Visit us at:
www.blainewindow.com

Terms & Conditions

Credit Policy: Terms are net 30 days for open account customers. All other orders must be prepaid or shipped C.O.D. unless otherwise specified. Partial payment in advance may be required with an order. We accept all major credit cards.

C.O.D.: Orders may be shipped on a Cash on Delivery (C.O.D.) basis. Our Accounting Department may require cash, cashiers check, certified check or money order for payment. The current U.P.S. C.O.D. charge is \$12.00 per carton plus actual freight. The refusal of a C.O.D. shipment, for any reason other than apparent damage may cause your account to be coded cash in advance only.

Special Orders: Non stock parts (special orders) may require a minimum order quantity.

Stock Parts : For orders less than \$25.00, there will be a \$5.00 processing fee.

Freight: All shipments will be made by the carrier of our choice, usually U.P.S. or Post Office., unless specified otherwise. We also offer UPS Next Day and Second Day service when requested. The customer is responsible for all shipping charges unless otherwise specified. Common carrier service is also available. An \$8.50 minimum shipping and handling charge is applied to each order. Actual shipping charges will be added when minimum is exceeded.

State Sales Tax: Customers exempt from state sales tax must provide a certificate of exemption with initial order.

Samples: Can be sent to our Research Department or e-mail photos to:
info@blainewindow.com

A.C. Locks.....	34 - 35	Patio Door Track.....	64
Andersen Hardware.....	7,8,11,15-16,29, 37, 50, 72	Pella.....	7,8,15,37
Awning / Jalousie Operators.....	9 - 14	Pfifer Wire Products.....	73
Balances / Jambliners /Tape.....	40 - 50	Pressure Shoes & Accessories.....	55
Biltbest.....	14		
Cam / Locking Handles.....	29 - 34	Push Bars.....	20
Casement Operators.....	3 - 8, 14	Remote / Clerestory Operator.....	17
Corner Keys / Tilt Keys / Slidebolts.....	57 - 58	Sash Pulleys, Weights & Chain.....	51
Crank Handles.....	15	Screen Hardware/Frame/Spline/Wire.....	59 - 62
Door Closers - Commercial.....	27 - 28	Skylight Hardware.....	13,18 - 19
Drapery Hardware.....	56	Spring / Transom Catches.....	35
Glazing Spline.....	63	Sweep Latches.....	36 - 38
Hinges (Biltbest / Cupples / Truth).....	14, 21 - 27	Tilt Latches.....	52 - 54
Horizontal Slider Hardware.....	39	Toilet Compartments / Grab Bars.....	73
Jamb Stretchers.....	45	Tracks / Channels / Guide Bars (Window).....	16
Patio Door Guides.....	72	Truth... 3 - 6, 9 - 13, 15 - 26, 29-31, 33, 34, 36, 38-39	
Patio Door Handles.....	65 - 67	Venetian Blind Hardware.....	56
Patio Door Roller Assemblies.....	67 - 72	Vent Arms.....	27
		Weatherstripping.....	64

15.31.XX.061 As shown 9-1/2"
15.31.XX.062 Opposite 9-1/2"

15.32.XX.061 As shown 13-1/2"
15.32.XX.062 Opposite 13-1/2"

15.39.XX.061 As shown 6"
15.39.XX.062 Opposite 6"

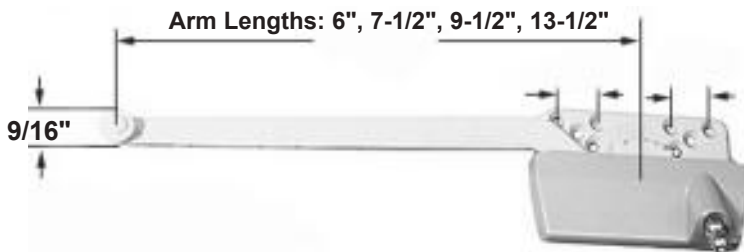
15.56.XX.061 As shown 7-1/2"
15.56.XX.062 Opposite 7-1/2"



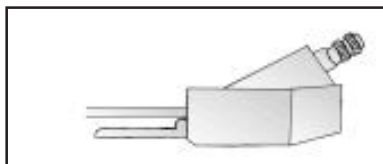
Order track no. 30473 track for 15.31 and order 30150 track for 15.32, sold separately.

Handle sold separately. Order no. 10579

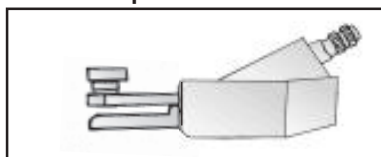
Mounting screws included



Specify arm length



Flat Arm, Side View
Open Position



Flat Arm, Side View
Closed Position

Note:
Bronzes are painted with a metallic finish.

Please specify color.

Please send sample for positive identification

Blaine Part No.	Hand	Arm Length	Color
15.39.29.062	R	6"	Gold
15.39.29.061	L	6"	Gold
15.39.32.062	R	6"	White
15.39.32.061	L	6"	White
15.39.23.062	R	6"	Chestnut Brz
15.39.23.061	L	6"	Chestnut Brz
15.56.24.062	R	7-1/2"	Beige
15.56.24.061	L	7-1/2"	Beige
15.56.22.062	R	7-1/2"	Clay
15.56.22.061	L	7-1/2"	Clay
15.56.32.062	R	7-1/2"	White
15.56.32.061	L	7-1/2"	White
15.56.03.062	R	7-1/2"	Bronze
15.56.03.061	L	7-1/2"	Bronze
15.31.29.062	R	9-1/2"	Gold
15.31.29.061	L	9-1/2"	Gold
15.31.24.062	R	9-1/2"	Beige
15.31.24.061	L	9-1/2"	Beige
15.31.22.062	R	9-1/2"	Clay
15.31.22.061	L	9-1/2"	Clay
15.31.32.062	R	9-1/2"	White
15.31.32.061	L	9-1/2"	White
15.31.03.062	R	9-1/2"	Bronze
15.31.03.061	L	9-1/2"	Bronze
15.32.29.062	R	13-1/2"	Gold
15.32.29.061	L	13-1/2"	Gold
15.32.22.062	R	13-1/2"	Clay
15.32.22.061	L	13-1/2"	Clay
15.32.32.062	R	13-1/2"	White
15.32.32.061	L	13-1/2"	White
15.32.03.062	R	13-1/2"	Bronze
15.32.03.061	L	13-1/2"	Bronze

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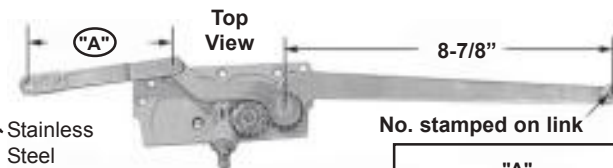
15.10.00.002 as shown
15.10.00.001 opposite

ENTRYGARD DUAL ARM OPERATOR

15.16.00.002 as shown
15.16.00.001 opposite

15.14.00.002 as shown
15.14.00.001 opposite

15.15.00.002 as shown
15.15.00.001 opposite



Please send a sample for accurate identification

*Other dimensions available. Please Inquire

Sold Separately:
10579 Handle
10339 (LH) Bracket
or
10340 (RH) Bracket
30473 Track
10341 Cover

"A"	No. Stamped On Link
2-3/8" - 15.15.00	20748
3-5/16" - 15.16.00	20755
3-15/16" - 15.10.00 15.14.00	20810 or 20544

Other "A" Sizes also available. Refer to number stamped on link.

15.34.XX.053 As shown 9-1/2"
15.34.XX.054 Opposite 9-1/2"

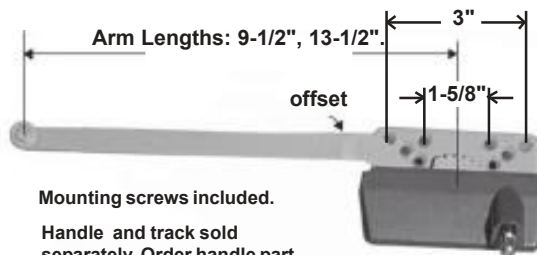


15.35.XX.053 As shown 13-1/2"
15.35.XX.054 Opposite 13-1/2"

Truth Part No.	Hand	Arm Length	Color
15.34.29.054	R	9-1/2"	Gold
15.34.29.053	L	9-1/2"	Gold
15.34.32.054	R	9-1/2"	White
15.34.32.053	L	9-1/2"	White
15.34.03.054	R	9-1/2"	Bronze
15.34.03.053	L	9-1/2"	Bronze
15.35.29.054	R	13-1/2"	Gold
15.35.29.053	L	13-1/2"	Gold
15.35.03.054	R	13-1/2"	Bronze
15.35.03.053	L	13-1/2"	Bronze

Order track no. 30473 track for no. 15.34 and order track no. 30150 for no. 15.35, sold separately.

Casement Operator Offset Arm
1/8" Offset (Raised) Arm

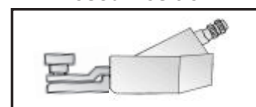
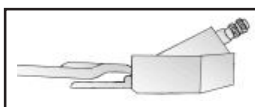


Mounting screws included.

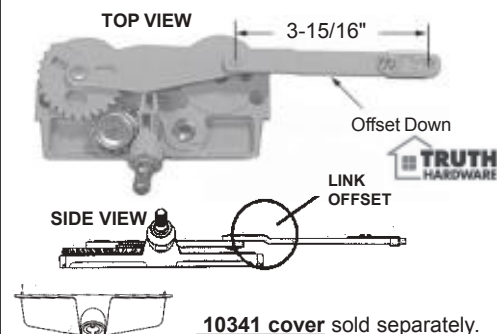
Handle and track sold separately. Order handle part number 10579 and 30473 track

11" arm unavailable.
Order 9-1/2" arm.

Offset (raised arm),
Side View
Closed Position



15.11.00.001 As Shown Dyad Arm Operator
15.11.00.002 Opposite



No. 10579.XX crank handle sold separately.



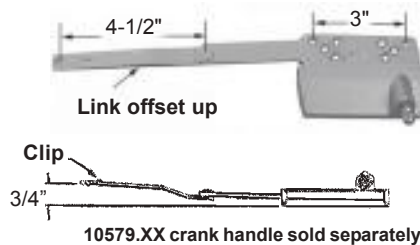
Bracket For End of Link Sold Separately
Order 12511.92 bracket for 15.11.00.002 operator.
For 15.11.00.001 operator, order 12510.92 bracket. As Shown

15.18.XX.062 As Shown
15.18.XX.061 Opposite

Colors available include Bronze or white painted finish. The color code is the 5th & 6th digit of the part number

15.66.XX.062 As Shown
15.66.XX.061 Opposite

15.67.XX.062 As Shown
15.67.XX.061 Opposite

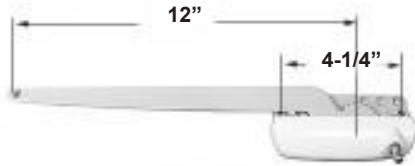


Sold Separately:
10681 Bracket for operator shown
10680 Opposite
03030-10-L/R Hinges
10579 Handle

**Snap stud attachment on 15.18 model

CASEMENT OPERATORS

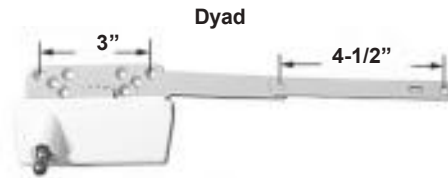
52.01.XX.011 As shown
52.01.XX.012 Opposite



Available in white, bronze or
brushed copper nickel

For handle order 10579
separately

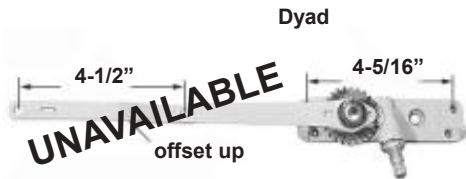
15.30.XX.061 As Shown
15.30.XX.062 Opposite



Available in coppertone or white

For handle order 10579
separately

15.72.00.002 As Shown
15.72.00.001 Opposite

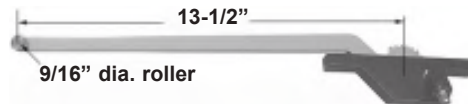


For handle order 10579
separately

23.02.XX.002 As Shown
23.02.XX.001 Opposite



Available in aluminum, white
and chestnut bronze

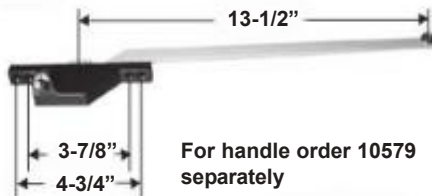


Sold separately:
10579 handle
30175 track
24.25 Locking Handle
21088 Keeper

Rear mount
screw holes

For front mount,
order 23.03-see
below

23.03.XX.001 As Shown
23.03.XX.002 Opposite



For handle order 10579
separately

23.77.XX.001 As Shown
23.77.XX.002 Opposite

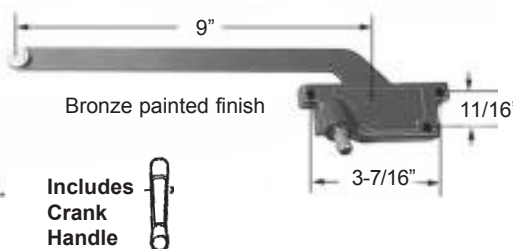


For handle order 10579
separately

For 9" arm, order 23.04

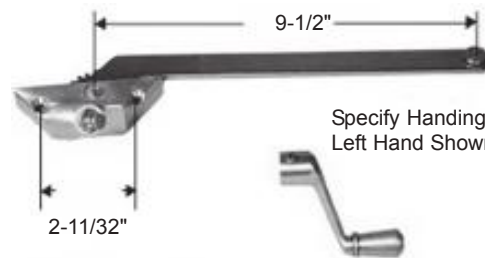
00021

Specify Handing.
Right hand shown.



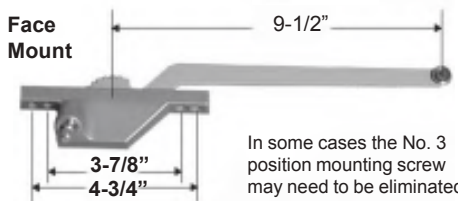
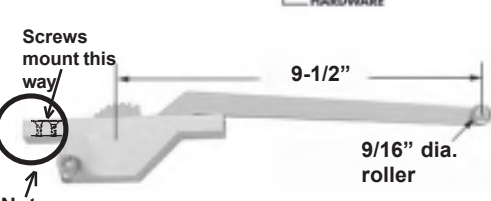
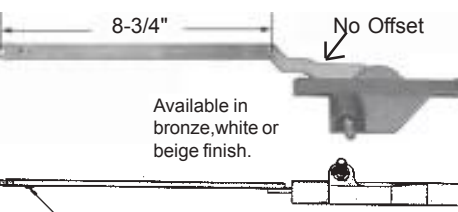
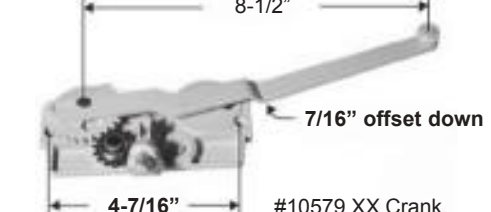

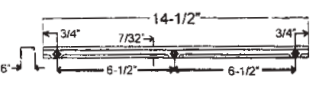
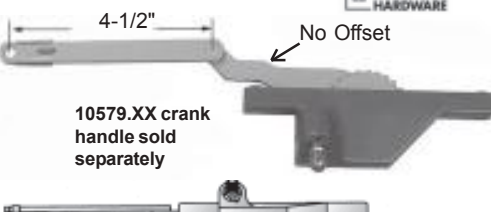
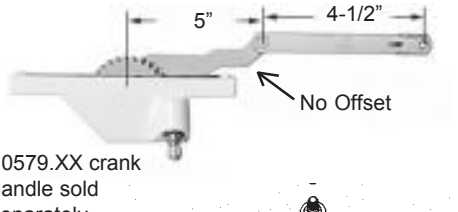
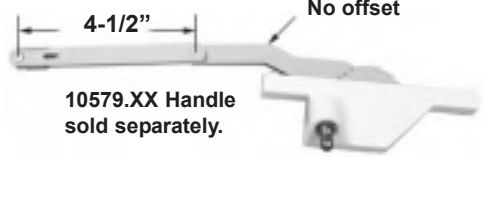
00026

HOPE'S



Replacement for
Hope's Operator
Red Bronze Housing

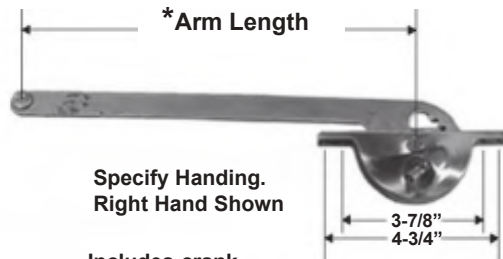
Sold with #00308 Crank
Handle. Order #00126
Track separately.

<p>23.01.XX.001 As Shown 23.01.XX.002 Opposite</p> <p>Face Mount</p>  <p>#10579 Crank Handle sold separately.</p> <p>Available in aluminum, bronze, chestnut bronze or white.</p> <p>In some cases the No. 3 position mounting screw may need to be eliminated or ground down in length due to interference in the full closing position of the arm. Another alternative would be to grind a notch in the arm to clear the screw end.</p>	<p>23.00.XX.001 As Shown 23.00.XX.002 Opposite</p> <p>Rear Mount</p>  <p>Note: Rear Mount</p> <p>Available in bronze, aluminum, chestnut bronze or white.</p> <p>10579 crank handle sold separately.</p>
<p>23.49.XX.001 As Shown 23.49.XX.002 Opposite</p> <p>Dyad Operator</p>  <p>#10579.XX Crank Handle Sold Separately.</p> <p>Available in bronze, white or beige finish.</p> <p>Clip is under link</p>	<p>15.94.00.002 as shown 15.94.00.001 opposite</p> <p>Entrygard Single Arm Operator</p>  <p>10341 cover sold separately.</p> <p>#10579.XX Crank handle sold separately.</p>
<p>50.00.XX.012 As Shown 50.00.XX.011 Opposite</p> <p>Maxim Dual Arm Casement Operator</p>  <p>For link stud bracket, order 12511</p>  <p>11576 maxim track sold separately</p> <p>Sold separately: 12510 Bracket or 12511 Bracket 11576 Track 11454 Crank Handle</p>	<p>23.46.XX.001 As shown 23.46.XX.002 Opposite</p> <p>10579.XX crank handle sold separately</p>  <p>Clip is under link</p> <p>Stability tab available on Blaine part no. 23.59</p> <p>Available in clay, bronze or white</p>
<p>23.59.XX.002 As Shown 23.59.XX.001 Opposite</p> <p>Dyad Operator</p>  <p>10579.XX crank handle sold separately.</p> <p>Stability Tab</p> <p>Clip is under link</p> <p>Available in white, coppertone or beige.</p>	<p>23.54.XX.001 As shown 23.54.XX.002 Opposite</p> <p>Dyad Operator</p>  <p>10579.XX Handle sold separately.</p> <p>Available in clay or white.</p>

00017



*Specify 6", 9", 10" or 11" arm



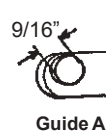
Specify Handing.
Right Hand Shown

Includes crank
handle



- A. Arm Length: 6", 9", 10", 11"
- B. Arm Thickness: Specify 1/8" or 3/16"
- C. Standard Housing Thickness: 5/8"
- D. Select Type of Guide Required. Guide "A", "B" or "C"

Call for finishes & pricing



Guide A



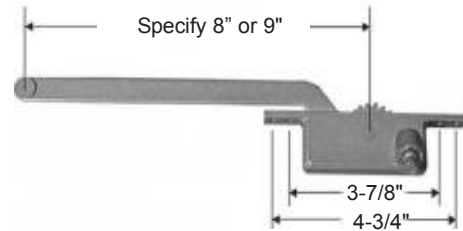
Guide B



Guide C

00020-9" Arm
00015-8" Arm

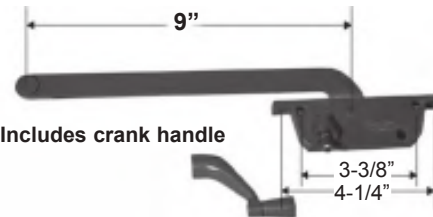
Specify Handing. Right Hand Shown



All available in aluminum
or bronze painted finish

Includes
crank
handle

00011



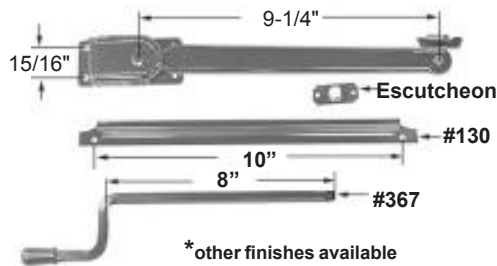
Includes crank handle

Specify Handing.
Right Hand Shown

Bronze painted finish

00007

Non Handed
Zinc Plated Steel*



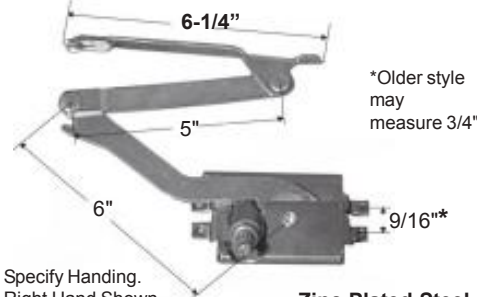
*other finishes available

No. 00367 Crank Handle and No. 00130 Track Included

08458



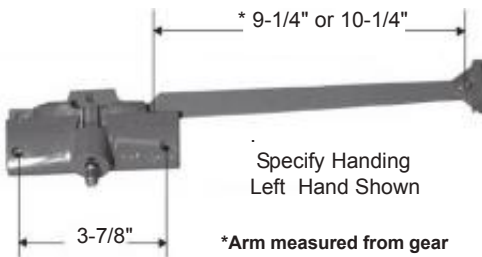
Crank Handle And Cover Sold Separately. Order No. 327 Crank Handle And No. 8459 Cover.



Specify Handing.
Right Hand Shown

Zinc Plated Steel

00058



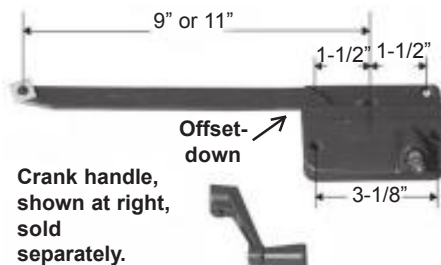
Specify Handing
Left Hand Shown

*Arm measured from gear
center to shoe rivet center.

00058-2 Crank Handle
sold separately
No. 00058-Channel
Track sold separately.


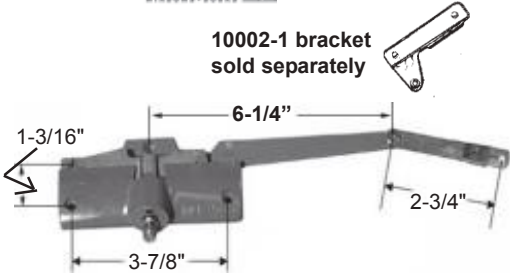

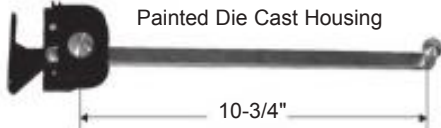
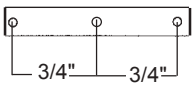
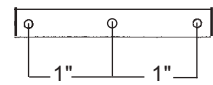

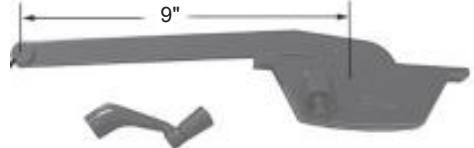

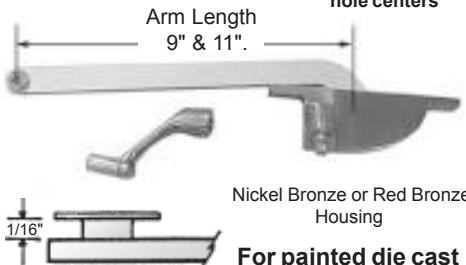
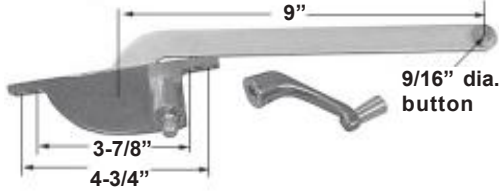
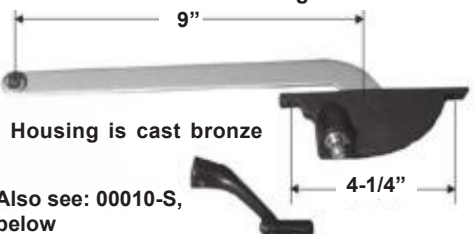
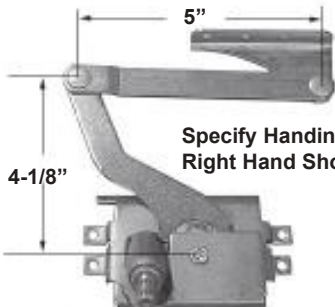
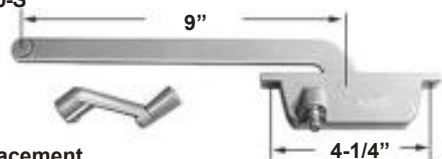
02073-9"
02073-11"

Bronze Painted Finish



Crank handle,
shown at right,
sold
separately.
Order
000975-1-038


Specify Handing.
Right Hand
Shown

<p>10002 </p> <p>10002-1 bracket sold separately</p>  <p>58-2 Crank Handle Sold Separately</p> <p>Specify Handing. Right Hand Shown</p> <p>Clay Painted Finish</p>	<p>00013 </p> <p>Specify Handing. Right Hand Shown</p> <p>May require No. 00157 bracket to install</p> <p>Painted Die Cast Housing</p>  <p>Top View Of Housing</p>  <p>End View Of Arm Bracket</p> 
<p>00024 </p>  <p>4-1/4" & 5-1/4" hole centers</p> <p>Right Hand Shown</p> <p>#00301 Crank Handle. Order #00126 Track separately.</p> <p>Painted Die Cast Housing Arm length 9".</p>	<p>00025 Replacement for Hopes</p> <p>Specify Handing. Right Hand Shown</p> <p>Arm Length 9-1/2".</p> <p>4-1/8" hole centers</p> <p>Nickel, Red Bronze & Painted Housing</p> <p>See 00025-S, Below</p> <p>00025-S</p> 
<p>01238</p> <p>Specify Handing. Right Hand Shown</p> <p>Arm Length 9" & 11".</p> <p>3-7/8" & 4-3/4" hole centers</p>  <p>Nickel Bronze or Red Bronze Housing</p> <p>For painted die cast housing, order #20</p>	<p>08453</p> <p>Specify Handing. Left Hand Shown</p>  <p>9/16" dia. button</p> <p>Housing is cast bronze</p>
<p>00010 Fenestra</p> <p>Specify Handing. Right Hand Shown</p>  <p>Housing is cast bronze</p> <p>Also see: 00010-S, below</p>	<p>10451 Pella</p>  <p>Specify Handing. Right Hand Shown</p>
<p>00010-S</p>  <p>Replacement</p>	<p>Order 000327 crank handle separately</p>

22.10
22.19

Front Mount
Rear Mount

Aluminum & Vinyl Window
Awning Operator



Blaine Part No.	Arm Length	Color
22.10.01.102	24"	Aluminum
22.10.22.102	24"	Clay
22.10.32.103	24"	White
22.10.23.104	24"	Chestnut Brz.
22.10.03.102	24"	Bronze
* 22.19.32.001*	24"	White

*Note:
RM models have rear threaded holes for rear mounting.

11.43.00.001 20-1-8" (A)
11.44.00.001 28-3/4" (A)

*
Number 10341 Cover sold separately.
Number 10579 crank handle sold separately.
Order handle color to match the cover.

Shoes sold separately .
Order number 10005

31641	Guide Bar
10005	Shoe Studs
10341.XX	Cover
10579.XX	Handle
31642	Guide Bar
30591	Detach Clips S.S.

Guide bar sold separately. Order number31641.92 (22-3/4") or 31642.92 (30-3/4").

22.21

Rear Mount Dimension
(Inside holes on front mount 6-1/8" c/c)

10579 Crank Handle
Sold separately

Rear Mount (2 Holes)
or
Front Mount (4 Holes)

*Order 20008 Sash Hook
separately

Scissors Arm
Operator For Awning
Windows

Operator Part No.	"A"	Mounting	Stabilizing Tab	"B" Arm Clearance
22.21	21-1/2"	Front	Order Part No. 11481	1/4"
22.22	21-1/2"			11/32"
22.23	16"			11/32"
22.27	21-1/2"	Rear		1/4"
22.28	21-1/2"			11/32"
22.29	16"			11/32"

Visit us at: www.blainewindow.com



Operator Cover

Covers

Color	Plastic	Color	Metal
Beige	10341.24	Beige	_____
Bronze	10341.03	Bronze	11328.03
Chestnut Brz	10341.23	Chestnut Brz	11328.23
Clay	10341.22	Clay	_____
Coppertone	10341.08	Coppertone	_____
Gold	10341.29	Gold	_____
White	10341.32	White	11328.32
Black	_____	Black	11328.02

10.10 20-1/2"
10.14 13-1/4"

20008 Hook
2-5/8" Uses one hook

Specify 13-1/4" or 20-1/2"

*C = 1"
C = 3/4"
E = 1/2"
F = 3/8"

Trim Sill Gap*

*Measure the distance from the bottom of the mounting plate to the base (see drawing above). Order the operator by the letter designation that corresponds to the measured distance.

10.11.29.004 Gold
10.11.03.005 Brown

2-5/8" 20008 Hook
Uses two hooks

Arm Length: 22-3/8"

*Trim Sill Gap

If Your Trim Sill Gap Measures:
1" order c
C = 3/4" order
E = 1/2" order
F = 3/8" order

*Measure the distance from the bottom of the mounting plate to the base (see drawing above). Order the operator by the letter designation that corresponds to the measured distance.

11.10.29.001 Gold 20-13/16"
11.10.03.001 Brown 20-13/16"

Wood Window
Awning Operator

20-13/16"

11.12 15-5/16"
11.30 11-3/8"

#10579.XX crank handle
sold separately.

TRUTH HARDWARE

11.14.29.001 Gold
11.14.32.001 White
11.14.03.001 Brown

2-5/8" 20008 Hook
Uses two hooks

24-7/8"

Wood Window
Awning Operator

Order 10579.XX crank
handle separately

TRUTH HARDWARE

11.16.XX.001

24-3/4"

Clip

Shoe Stud
10005 sold separately.
(2) required.

Gold or
white
finish

26-3/4"

10579.XX
sold
separately.

Guide Bar 30568
sold separately.

01001




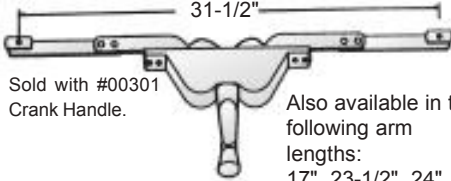
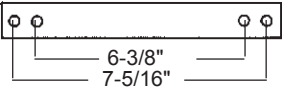
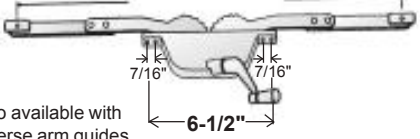
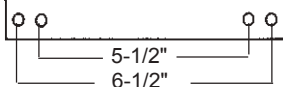

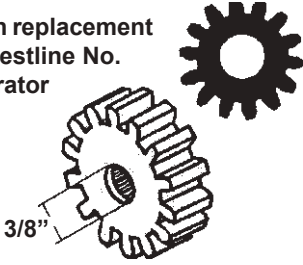

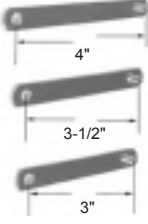
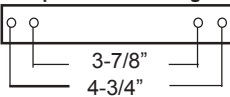
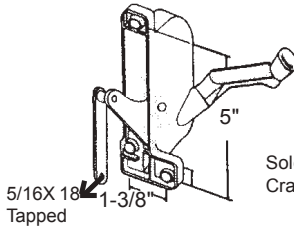
3-5/8"

7/8"

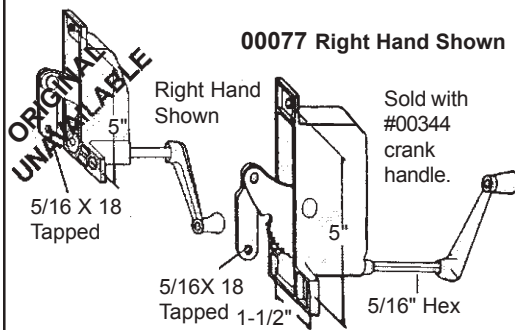
2-7/8"

Order crank handle
separately:
01001-1-060

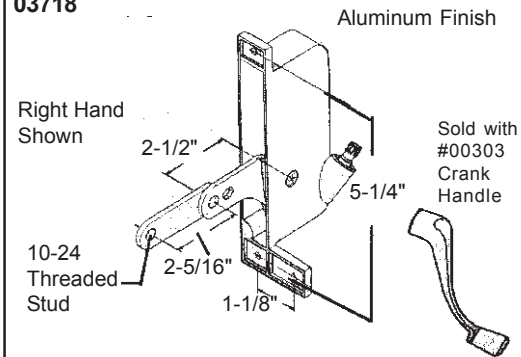
Peachtree

<p>51.00.32.011 Maxim Awning Operator</p> <p>White Finish</p>  <p>11454.XX Crank handle sold separately.</p>  <p>11577.92 Track and slider assembly sold separately.</p>	<p>01285* *Long - 34" Short - 24-7/8"</p>  <p>*Specify</p> <p>Bronze painted finish</p> <p>*Please specify long or short arms when ordering</p> <p>00975-1 crank handle sold separately</p> <p><u>Rods sold separately:</u> Long rods: order 01285-Rod Short rods: 01285-short-rod</p>
<p>00005</p> <p>Standard Size</p>  <p>Sold with #00301 Crank Handle.</p> <p>Also available in the following arm lengths: 17", 23-1/2", 24", 27"</p> <p>TOP VIEW OF HOUSING</p> 	<p>00036</p> <p>Available in 24-1/2", 25-1/2", 27-3/4", 33", 39" Arm Lengths</p>  <p>Also available with reverse arm guides (on back of arms). Same guides as standard no. 36.</p> <p>Order: 00036-REV-27-3/4 00036-REV-33 00036-REV-39</p> <p>TOP VIEW OF HOUSING</p> 
<p>02020 Crestline</p> <p>Extra 00014 Tooth Gears Also Available. Order 00738. Covers no longer available.</p>  <p>No. 00361 Gold Crank Handle Included</p> <p>Now manufactured by Blaine</p>	<p>00738 Crestline</p> <p>00014 tooth replacement gear for Crestline No. 02020 Operator</p>  <p>Now manufactured by Blaine</p>
<p>00800-A</p> <p>Sold as a kit</p>  <p>Universal Operator White finish or Aluminum Available</p>  <p>Top View of Housing</p> 	<p>00073-R</p> <p>Right Hand Shown</p>  <p>Sold with #00320 Crank Handle.</p>

00077-Original unavailable. Replace with No. 00077, shown below, right.

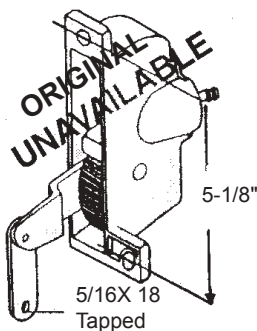


03718

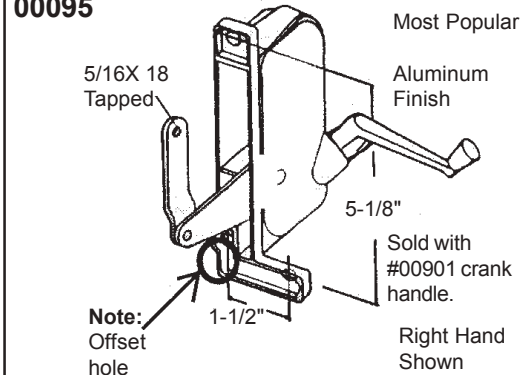


Original Unavailable
Replace with No. 00095, at right

MIAMI



00095

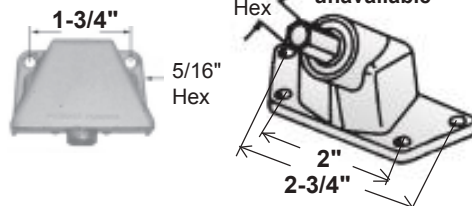


00045

Stanley

00045-1/2

3/8" Hex 45-1/2 currently unavailable



Order No. 00468-1" connector separately

Order No. 00322 crank handle separately

No. 00468-8" extension now unavailable.

00054

Detroit Swing Lite

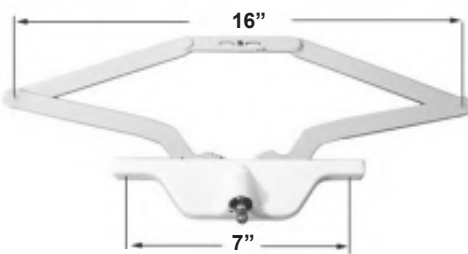


Left Hand Shown

Bronze painted finish

22.29

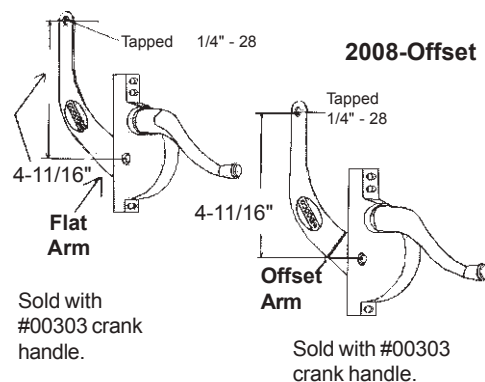
Rear Mount Operator


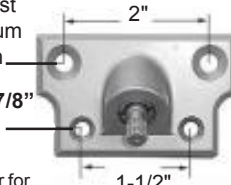

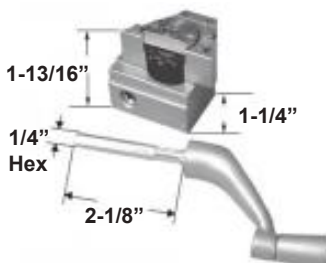

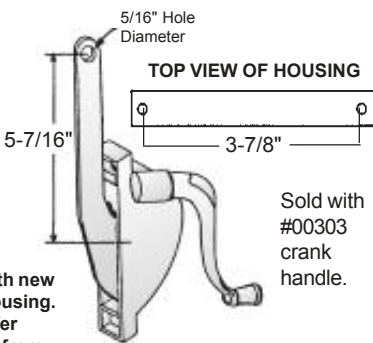
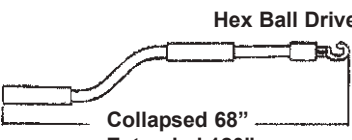


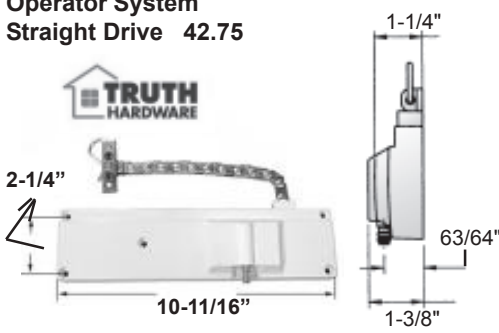



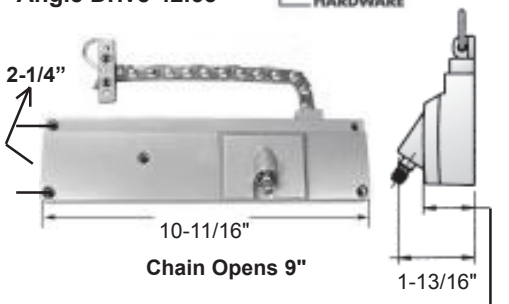


Order 10579 separately

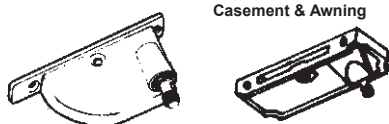
2008 Flat

Woodco



<div>00712</div> <div>Ualco</div> <div></div>	<div>00726</div> <div>Ualco</div> <div><div>Die Cast Aluminum Finish</div><div></div><div>Operator for Residential Sash. Use with #00712 Gear, shown at left and #00399 Crank Handle . Both sold separately.</div></div> <div>00399</div> <div></div>	<div>00861</div> <div></div> <div>Uni-Jal Replacement Jalousie Operator</div> <div>Right Hand Shown</div>
<div>02045</div> <div>R.O.W.</div> <div></div> <div>Right Hand Shown. For Left Hand, Order 02045-L</div>	<div>02048</div> <div></div> <div>TOP VIEW OF HOUSING</div> <div>Sold with #00303 crank handle.</div> <div>Now with new style housing. Will differ slightly from the picture</div> <div>Right Hand Shown.</div>	
<div>10637 with hex ball</div> <div>10638 with hook</div> <div><div>Hex Ball Drive</div><div></div><div>30957</div><div></div><div>10453</div><div></div><div>Hook End</div><div>Specify hex ball or hook end</div></div> <div>Recommended height range (from floor) 7' - 11' (windows) 9' - 15' (skylights)</div>	<div>Manual Skylight Operator System Straight Drive 42.75</div> <div></div>	
<div>30662</div> <div>Hex Ball Adapter</div> <div><div>45/64"</div><div></div><div>Specify Color</div><div></div><div>31000 Eyelet 2-9/16"</div><div></div><div>Includes set screw</div><div>Available in aluminum, chestnut bronze painted or white</div></div> <div>Note: 1. Hex ball adapters fit all truth operator splines (supplied with set screws) 2. Available in a color to match operator 3. Maximum operational angle, when used with a hex ball pole, is 35 degrees 4. For use with manual operators where pole operation is required</div>	<div>Manual Skylight Operator System Angle Drive 42.65</div> <div></div> <div>Chain Opens 9"</div>	

OLD STYLE OPERATOR BOXES - OBSOLETE



Casement & Awning

Please send a sample for accurate identification

OPERATOR REPLACEMENT*

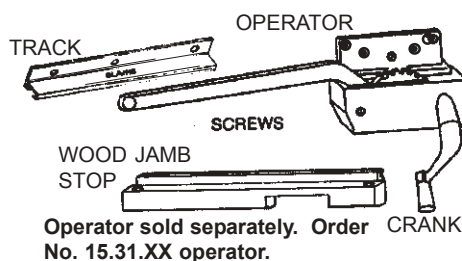
To replace operator boxes, left, it is necessary to order a complete kit with wood jamb stop, operator, track, crank handle and screws.



CASEMENT REPAIR KIT

KIT NUMBER	GLASS WIDTH SIZE*	SILL LENGTH
08501-N-L-087	14-5/8"	16-1/8"
08501-N-R-087	14-5/8"	16-1/8"
08501-W-L-087	19-1/8"	20-5/8"
08501-W-R-087	19-1/8"	20-5/8"
08501-XW-L-087	22"	24-7/16"
08501-XW-R-087	22"	24-7/16"
08501-XWE-L-087*	22"	24-7/16"
08501-XWE-R-087*	22"	24-7/16"

*Emergency Exit Model



Operator sold separately. Order No. 15.31.XX operator.



Original locking handle #08410 cannot be replaced. However, in many cases, it can be repaired. Please send your broken handle to our Research Department for an evaluation.



IMPERIAL CASEMENT HINGE REPLACEMENT FOR ALL WIDTHS

Hinge repair kits are furnished with instructions, fit all widths and are reversible to fit right or left hand vents. Sold in pairs (1 pair repairs 1 vent). Order #08500-HINGE-050.

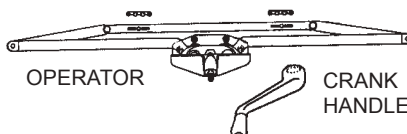
ROTO-LOK AWNING WINDOW HARDWARE KIT**

KIT NUMBER	GLASS WIDTH X HEIGHT* SIZE	VERTICAL JAMBS	SILL LENGTH (w/ WEATHERSTRIP)
08500-A-087	19" x 14"	17-9/16" Pair	(1) 21-5/8"
08500-B-087	27" x 10"	13-9/16" Pair	(1) 29-1/4"
08500-C-087	27" x 14"	17-9/16" Pair	(1) 29-1/4"
08500-D-087	27" x 18"	21-9/16" Pair	(1) 29-1/4"
08500-E-087	27" x 22"	25-9/16" Pair	(1) 29-1/4"
08500-F-087	27" x 30"	33-9/16" Pair	(1) 29-1/4"
08500-G-087	36" x 14"	17-9/16" Pair	(1) 38-1/4"
08500-H-087	36" x 18"	21-9/16" Pair	(1) 38-1/4"
08500-I-087	36" x 22"	25-9/16" Pair	(1) 38-1/4"
08500-J-087	36" x 30"	33-9/16" Pair	(1) 38-1/4"
08500-K-087	39" x 14"	17-9/16" Pair	(1) 29-1/4"
08500-L-087	39" x 18"	21-9/16" Pair	(1) 41-1/4"
08500-M-087	39" x 22"	25-9/16" Pair	(1) 41-1/4"
08500-N-087	39" x 30"	33-9/16" Pair	(1) 41-1/4"
08500-O-087	44" x 14"	17-9/16" Pair	(1) 46-1/4"
08500-P-087	44" x 18"	21-9/16" Pair	(1) 46-1/4"
08500-Q-087	44" x 22"	25-9/16" Pair	(1) 46-1/4"
08500-R-087	44" x 30"	33-9/16" Pair	(1) 46-1/4"

**All Awning Kits come complete with screws, nylon spacers, crank handle and sash hooks.



SILL STOP




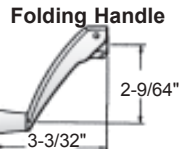
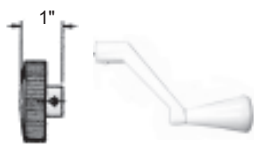
OPERATOR

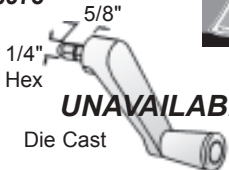




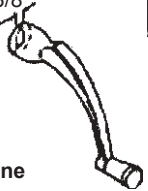


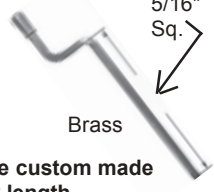


CRANK HANDLE

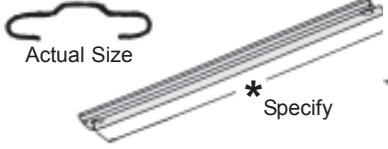
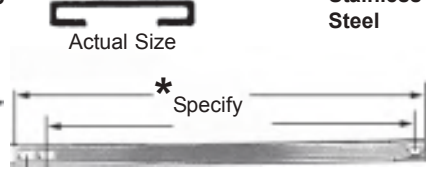
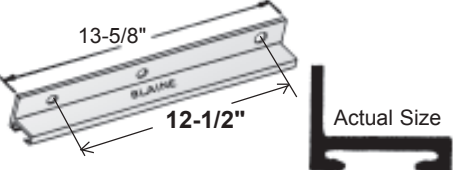
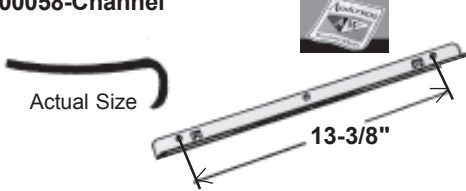
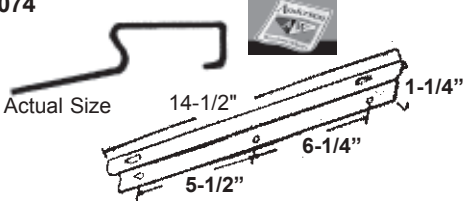
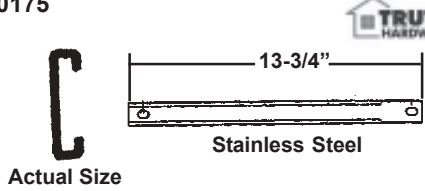
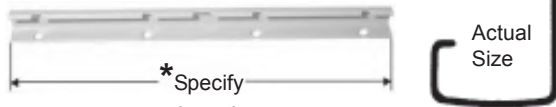
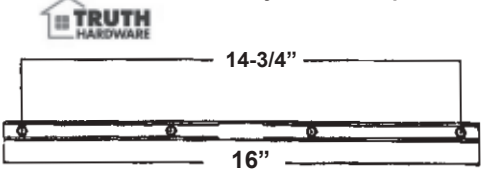
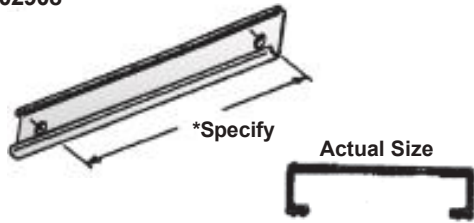

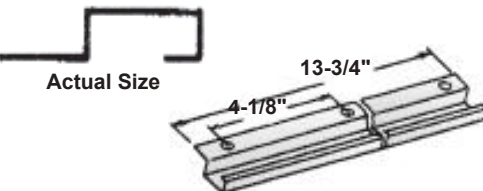
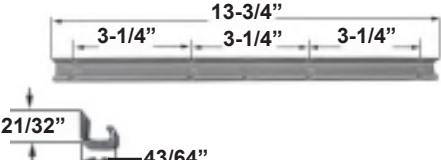

SASH HOOK (2)

JAMB STOP (2)

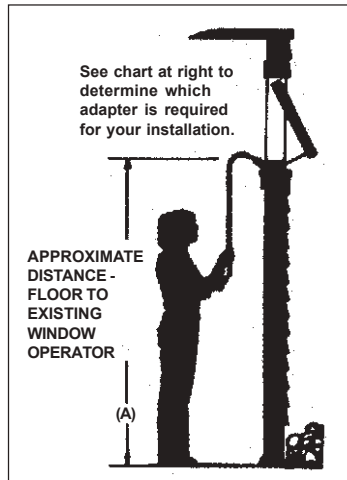


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11/32" Spline Diameter					
Color	Standard	Folding	"T"	Round	ADA
Aluminum	10579.01	11329.01	11573.01	11660.01	11403.01
Powder Black	10579.02	11329.02	11573.02	11660.02	11403.02
Bronze	10579.03	11329.03	11573.03	11660.03	11403.03
Med. Bronze	10579.05	11329.29	11573.05	11660.29	
Gold	10579.29	11329.29	11573.29	11660.29	11403.29
Coppertone	10579.11	11329.11	11573.11	11660.11	
Bright Brass	10579.13	11329.13	11573.13	11660.13	11403.13
Antique Brass	10579.14	11329.14	11573.14	11660.14	
Brushed Nickel	10579.19	11329.19	11573.19	11660.19	11403.19
Clay	10579.22	11329.22	11573.22	11660.22	
Chestnut Brnze	10579.23	11329.23	11573.23	11660.23	11403.23
Beige	10579.24	11329.24	11573.24	11660.24	11403.24
Cocoa Brown	10579.26	11329.26	11573.26		
White	10579.32	11329.32	11573.32	11660.32	11403.32
Bright Chrome	10579.35	11329.35	11573.35		
Off White	10579.37	11329.37	11573.37	11660.37	11403.37
Sandstone	10579.50	11329.50	11573.50	11660.50	11403.50
Oil Rubbed Brz	10579.51	11329.51	11573.51	11660.51	
Brushed Chrome	10579.53	11329.53	11573.53	11660.53	
Western Pewter	10579.55	11329.55			
Brown	10579.75	11329.75			
Bright White	10579.78	11329.78	11573.78	11660.78	

00975  1/4" Hex UNAVAILABLE Die Cast Bronze painted finish	00975-1  Die Cast .350 dia Bronze painted finish	00058-2  3/8" dia. splined hole Diecast Clay finish
00301  5/16" 2" Specify Bronze or Aluminum Painted Finish Die Cast	00302-5/16* 00303-3/8*  * Avail. in aluminum or bronze painted finish. Die Cast	00327  3/8" Die Cast Gold or Champagne
Diecast  "A" Specify color PART # 00335-And 3/8" dia. 00335-9/32 29/32" dia. 00335-HEX 5/16" Hex 00335-7/16" 7/16" dia. 11573.XX 11/32" dia. 00335-3/8" 3/8" dia. 00335-Pella 3/8" dia.	FITS Andersen Peachtree Truth Pella	00338  3/8" Also available w/ 19/64" sq. hole. Order 338-Rem Nickel Bronze, Red Bronze, Dark Statuary Bronze, Brown & Gray
00367  5/16" Sq. *Avail. 6" 8" 16" Brass Can be custom made to any length	12905.XX  5-1/2" 3-1/2" 1-3/8" Flip handle and cover for Entrygard operators Specify Color	12616 RH 12614 LH Truth Encore Tango Handle & Cover  Specify Color

<p>00125</p>  <p>*Lengths Available: 10", 11", 12-1/2" and 16-1/4".</p>	<p>00126</p>  <p>Stainless Steel</p> <p>*Lengths Available: 12-5/8", 13-3/4" & 18".</p>
<p>00129</p> <p>Aluminum</p> 	<p>00058-Channel</p> 
<p>02074</p> 	<p>30175</p>  <p>Stainless Steel</p>
<p>30473.92 - 11-3/8" 30150.92 - 13-3/4"</p>  <p>TRUTH HARDWARE</p> <p>Track for 15.10, 15.31 & 15.34 Operators 30473.92</p> <p>Track for 15.32 and , 15.35 Operators 30150.92</p>	
<p>11577</p> <p>Maxim Awning Track & Slider Assembly for 51.00 Operator</p>  <p>TRUTH HARDWARE</p>	<p>02908</p>  <p>*Lengths stocked: 6-3/16", 7-1/16", 9-1/2" & 12". Other sizes available per customer request.</p>
<p>03033 Lengths Available: 12", 13"</p> <p>Order 126-12-5/8" or 126 12-3/4"</p> 	<p>30151.92 Track Length: 13-3/4"</p> 
<p>30150</p> 	<p>30568</p> 

Remote Clerestory Operator



Operator Location	A	Recommended Crank Length	Part No.
Sill Mounted or Casement Style	8' - 9'	4'	02001-EX-4
	10' - 11'	5'	02001-EX-5
	12' - 14'	8'	02001-EX-8
	15' - 17'	12'	02001-EX-12



60 Degrees
Other Degree Options
Available. Please Inquire.

Adapter Part No.	Window and / or Hardware Brand That Adapters Fit
02001-A	Andersen
02001-P	Pella
20550	Biltbest, Caradco, Eagle, Hurd, Truth and Weathershield
02001-PT	Peachtree

ADAPTERS

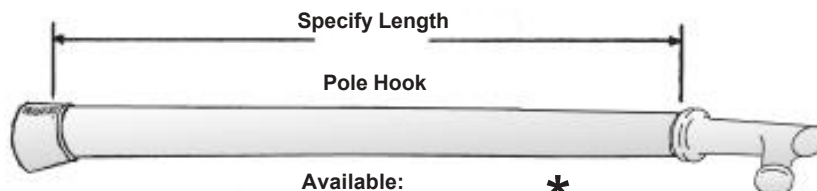


NOTE: One 2001 adapter is required for each operable window.

Visit us at: www.blainewindow.com

Our adapters let you adapt our remote crank to most popular window operators. See chart for adapter part number with corresponding window manufacturer.

01236 POLE HOOK



Available: *
3', 4', 5', 6', 7', 8', 9', 10', 12', 13', 15', 16'

* 10' through 16' shipped in two sections with coupler joiner

Pole hanger #00143-029

SKYLIGHT OPERATORS

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 our previous motorization system, we've added a new digital electronics package with built in power conversion. The new Sentry II WLS system truly takes over where Truth's Sentry 2000 left off.

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 normally operated with a hand crank manufactured by Truth Hardware (see Truth Tips). 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 110 VAC power. 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 12 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.

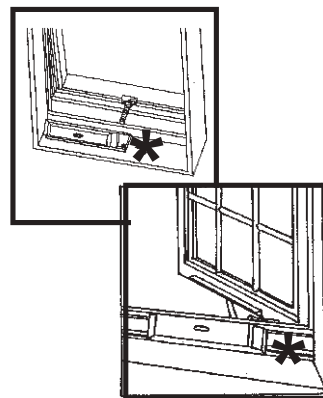
Building Automation Systems

- 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. Contact your electrical contractor for a retrofit evaluation.

When used on casement window, the Sentry II WLS is designed to work on all window systems meeting the AAMA-101 hardware load requirements (See Truth Tips).



When used on awning windows, the Sentry II WLS is designed to work on awning windows with a properly sized counter-balance hinge (See Truth Tips) and operator (Consult awning operator specifications).

Sentry II power window system is rated at 50 Watts.

CONTROL OPTIONS

The Sentry II WLS kit comes with a standard wall control panel. The same control panel can also accept and control most commercially available 12 VDC mini blinds (not provided by Truth Hardware). The panel also provides feedback to the user via a status light (LED). This small LED shows when the motor is running, or if there are any problems during window or skylights operation.

The optional **RF Hand Held Remote** is available which adds even more flexibility and convenience to a home's windows or skylights.

Important:

Electrical components are generally not returnable. However, a request for return will be evaluated on a case by case basis. Please contact Customer Service to determine whether a return authorization can be provided.



Sentry II WLS Power Window/ Skylight Systems

REMOTE FEATURES INCLUDE:

● **Infinite number** of windows and skylights can be controlled with a single remote.

● **9 Zones** or "unit codes" are available to allow units to be controlled in groups and organized to a user's needs.

● **Motorized Blinds** (supplied by others) can be controlled with the same remote.

● **Control windows and skylights** from one remote - The Sentry II HS (for large / heavy skylights) uses the same remote as the Sentry WLS for coordinated ventilation throughout the entire home or building.

● **Built in Thermostat** allows windows and skylights to open and close together, to co-ordinate a comfortable interior temperature. Takes advantage of true "chimney effect" cooling to reduce energy demands.

● **Rolling Code Technology** proven in garage door openers is built into every remote to provide high security and peace of mind.

WARRANTY:

The Sentry II family of products is warranted for one year against defects in materials and workmanship on all electronic and mechanical components.

Consumer Notice:

The Sentry II WLS power system must be installed by a qualified electrician.

PRODUCT APPLICATION ASSISTANCE:

If you need assistance with product configurations to meet your needs, please visit our website at www.truth.com. Under the "Technical Support" tab you will find all of the technical information needed to properly configure and specify all elements of an automated window installation, including installation instructions, pre-wiring and proper hardware requirements.

ORDERING INFORMATION:

Ordering of the new Sentry II systems is much easier than in the past. All hardware necessary for mounting the system on either a window or skylight is now included in the same kit.

Special Note: Motor covers are ordered separately to help keep your inventory costs down. Sentry II motor kit packaging includes additional space so cover can be added which allows the manufacturer to supply a complete kit to the jobsite.

WHEN APPLYING TO TRUTH OPERATORS - USE THE FOLLOWING:

Order (1) each per window:

43.51.00.005 Sentry II WLS System
12490.XX - Cover (.xx denotes finish

code)

Order (1) Hand Held Remote (optional):

43.53.00.002 - Hand Held RF Remote

If you are applying the Sentry II to a **PELLA** brand window you must order the following items which include special hardware and instructions.

Order (1) each per window:

43.54.00.005 - Sentry II WLS System
Pella
12490.XX - Cover (.xx denotes finish

code).

Order (1) Hand Held Remote (optional):

43.53.00.002 - Hand Held RF Remote

If you are applying the Sentry II to an **ANDERSEN** brand window with a size .350" diameter splined shaft you must order the following items which include special hardware and instructions:

43.51.00.005 - Complete Unit
32013-.365 - Complete Unit
12490.XX - Cover
43.53.00.002 - (Optional) Hand Held HF Remote

If you are applying the Sentry II to an **ANDERSEN** brand window with a size .365 dia. splined shaft you must order the following items which include special hardware and instructions:

43.51.00.005 - Complete Unit
32013-.365
12490.XX - Cover
43.53.00.002 - (Optional) Hand Held HF Remote

Finish Codes: The WLS cover is available in **02** Black, **03** Bronze, **23** Chestnut Bronze, **24** Beige, **32** White and **78** White.

TRUTH TIPS:

1. Truth Hardware does not recommend the use of Sentry II WLS on any casement window system that does not meet AAMA 101 hardware load requirements. All hardware and motor system warranties are void if the window system does not meet these guidelines.

2. Awning windows must be equipped with a properly sized counter balance hinge such as Truth Hardware's 13 series or 34 series 4-bar hinges. If an awning window is specified with butt (or continuous) hinges, a skylight operator and motor system must be used. All hardware and motor system warranties are void if these guidelines are not followed (See Tech Notes).

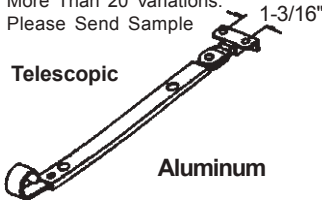
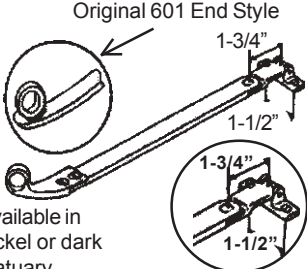
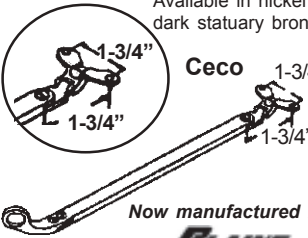

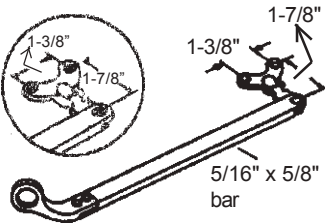
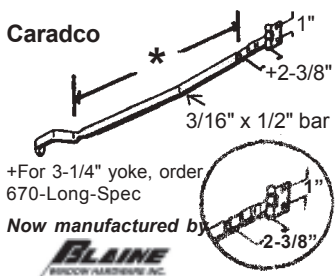

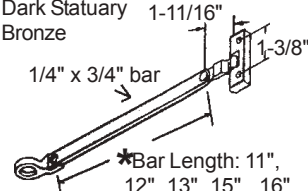

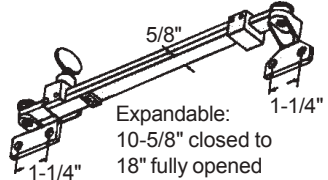
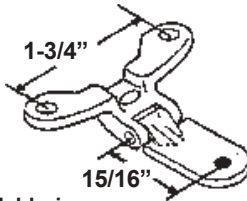
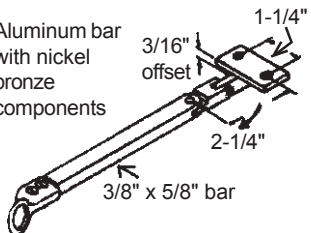
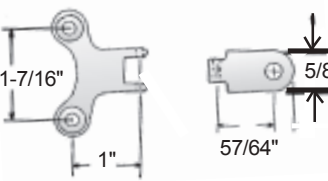
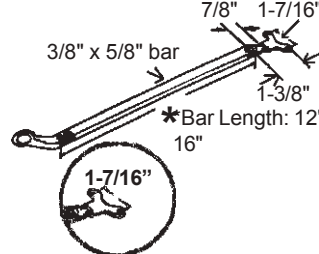
3. Unless otherwise specified, the Sentry II WLS power window system is designed to operate any properly sized rotary hardware and hinge system manufactured by Truth Hardware.

Use of the Sentry II WLS motor system on windows or skylights with manual hardware manufactured by companies other than Truth Hardware is **at your own risk**. For verification, look for the Truth logo / name stamped on the hinge and operator arm or consult with the window manufacturer.

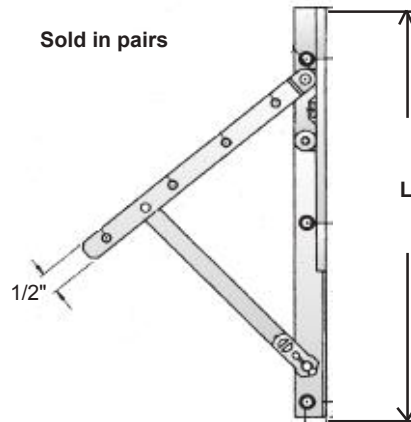
4. The Sentry II WLS system is rated for use in indoor applications only.

INCLUDE TRUTH SPECS IN YOUR NEXT SKYLIGHT PROJECT:

Motorized system for skylights (not exceeding 80 lbs), awning or casement windows.

<p>12.XX Truth / Anderberg/ Superior</p> <p>More Than 20 Variations. Please Send Sample</p> <p>Telescopic</p>  <p>Aluminum</p>	<p>00601</p> <p>Original 601 End Style</p>  <p>Available in nickel or dark statuary bronze</p> <p>Bar length: 9", 11", 16".</p>	<p>00622 Bar length: 12", 16", 18"</p> <p>Available in nickel or dark statuary bronze</p>  <p>Ceco</p> <p>Now manufactured by</p>  <p>Truscon /RepublicSteel</p>
<p>00628 Superior</p> <p>Nickel Bronze</p>  <p>*Bar length: 10", 12", 16", 18" & 24"</p>	<p>00670-Short-10"* Gold painted 00670-Long-13-1/4"* Steel</p> <p>Caradco</p>  <p>+For 3-1/4" yoke, order 670-Long-Spec</p> <p>Now manufactured by</p> 	<p>01627</p> <p>Dark Statuary Bronze</p>  <p>*Bar Length: 11", 12", 13", 15", 16", 17", 18", 19" & 25"</p>
<p>01631</p> <p>*Bar Length: 10", 12"</p>  <p>Available in brass plated steel, solid brass, antiqued brass or polished nickel.</p>	<p>04922</p>  <p>Expandable: 10-5/8" closed to 18" fully opened</p> <p>Solid yellow brass bars with solid red bronze components</p>	<p>00613</p>  <p>Available in: Dk statuary bronze Nickel Bronze Red Bronze</p>
<p>00627</p> <p>Aluminum bar with nickel bronze components</p>  <p>*Bar Length: 12", 14", 18"</p>	<p>01674</p> <p>Ware</p>  <p>Red bronze or nickel bronze</p>	<p>01675 Ware</p> <p>Nickel Bronze</p>  <p>*Bar Length: 12", 16"</p>

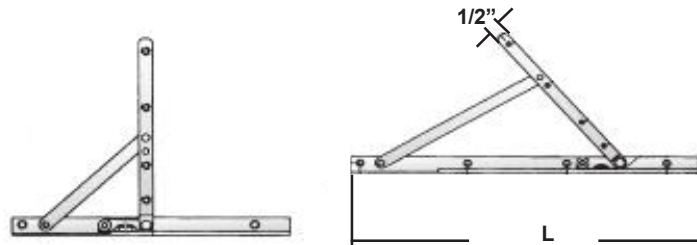
TRUTH AWNING HINGES



Blaine Part Number	Truth Part Number	Sash Height	Max. Sash Wt.	Hinge Track Length "L"	Material
02997-10-L/R-050	13.13.00.003 & 004	10 - 14"	7 LB	10"	Steel
02997-10-L/R-034	13.43.00.102 & 202	10 - 14"	7 LB	10"	Stainless Steel
02997-14-L/R-050	13.14.00.003 & 004	14 - 19"	20 LB	14"	Steel
02997-14-L/R-034	13.44.00.202 & 203	14 - 19"	20 LB	14"	Stainless Steel
02997-18-L/R-050	13.15.00.003 & 004	19 - 26"	38 LB	18"	Steel
02997-18-L/R-034	13.42.00.102 & 103	19 - 26"	38 LB	18"	Stainless Steel
02997-22-L/R-050	13.16.00.003 & 004	26 - 34"	50 LB	22"	Steel
02997-22-L/R-034	13.45.00.102 & 103	26 - 34"	50 LB	22"	Stainless Steel
02997-26-L/R-050	13.17.00.003 & 004	34 - 42"	61 LB	26"	Steel

TRUTH CASEMENT HINGES


Sold in pairs



Blaine Part Number	Truth Part Number	Hinge Track Length "L"	Material
03030-10-050	14.05.00.003 & 004	10"	Steel
03030-10-034	14.80.00.503 & 504	10"	Stainless Steel
03030-14-050	14.17.00.005 & 006	14"	Steel

201 SERIES 4-BAR HINGE PART NUMBER GUIDE

MAT'L	SIZE (IN.)	PART NUMBER	STOP	NO STOP	LOOSE RIVETS	
SS	8	34.10.00	101	102		
ST	8	34.17.00	104	103	102	105
SS	10	34.11.00	102	101		
ST	10	34.18.00	100	101		
SS	12	34.12.00	100	101		
ST	12	34.19.00	104	103		101
SS	14	34.13.00	102	101		
ST	14	34.20.00	100	101		
SS	16	34.14.00	100	101		
ST	16	34.21.00	102	101		100
SS	18	34.15.00	102	101		
ST	18	34.22.00	100	101		
SS	20	34.16.00	100	101		
ST	20	34.23.00	102	101		100

 Denotes hinges without stops (maximum opening)

PART NUMBERING SYSTEM

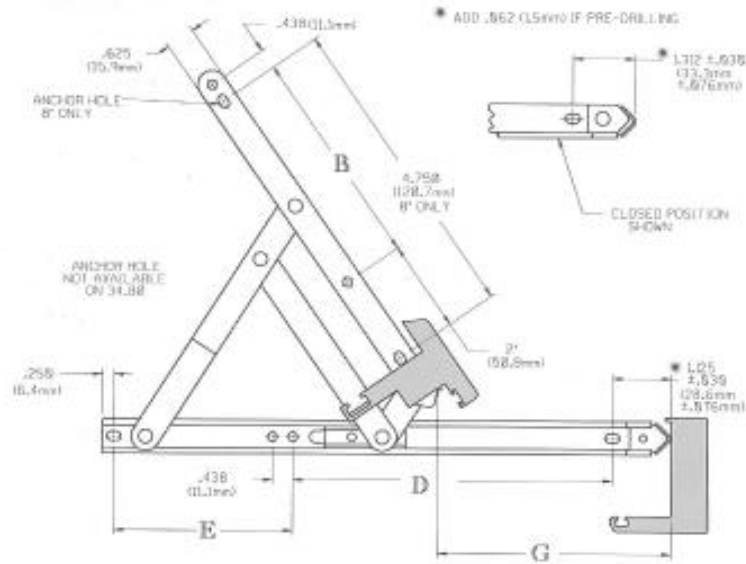
Product No.	Model	Finish	Assembly
34	10	00	101
4-Bar Hinge	Std. Duty 8" length	No decorative finish	w/stop (hinge feature)

4-BAR HINGE APPLICATION TABLE FOR PROJECTED & AWNING HINGES (As certified to AAMA 904.1)

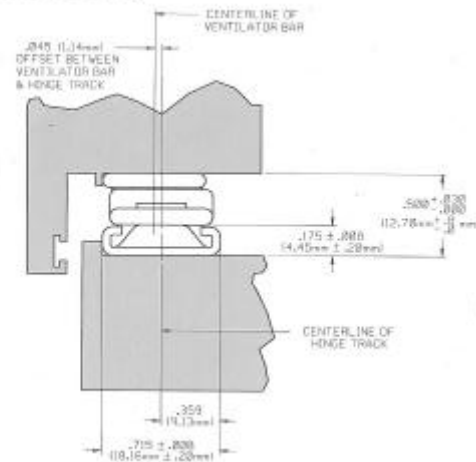
TRUTH PART NUMBERS		HINGE LENGTH	PROJECTED & AWNING APPLICATIONS		DEGREE OF OPENING	
STAINLESS STEEL	STEEL		VENT HEIGHT RANGE	MAXIMUM VENT WEIGHT	STD. STOP	NO STOP
34.10	34.17	8" (203.2mm)	9" (228.6mm) – 16" (406.4mm)	19 (8.6Kg.)	54°	55°
34.11	34.18	10" (254.0mm)	16" (406.4mm) – 20" (508.0mm)	23 (10.5Kg.)	55°	65°
34.12	34.19	12" (304.8mm)	20" (508.0mm) – 24" (609.6mm)	28 (12.7Kg.)	55°	65°
34.13	34.20	14" (355.6mm)	23" (584.2mm) – 28" (711.2mm)	33 (15.0Kg.)	55°	65°
34.14	34.21	16" (406.4mm)	28" (711.2mm) – 34" (863.6mm)	40 (18.2Kg.)	55°	65°
34.15	34.22	18" (457.2mm)	28" (711.2mm) – 34" (863.6mm)	40 (18.2Kg.)	55°	65°
+34.16	34.23	20" (508.0mm)	32" (812.8mm) – 34" (863.6mm)	40 (18.2Kg.)	55°	65°

+ If A.A.M.A. certification is not required the 20" (508.0mm) hinge can be used on vents up to 32" (812.8mm) high and weight up to 47 lbs. (21.4Kg.).

Visit us at: www.blainewindow.com



TRUTH STANDARD DUTY 4-BAR HINGE
(Anderberg 201 Series)



RECOMMENDED SCREWS:

STEEL: 6 - NO. 10 SLOTTED OR NO. 8 PHILLIPS, PAN HEAD SCREWS
LENGTH AND THREAD TYPE TO BE DETERMINED BY
PROFILE DESIGN

STAINLESS
STEEL: 6 - NO. 10 SLOTTED OR NO. 8 PHILLIPS, PAN HEAD, STAINLESS
STEEL SCREWS LENGTH AND THREAD TYPE TO BE DETER-
MINED BY PROFILE DESIGN

LOCATION OF ANCHOR HOLE
FOR A NO STOP TRACK



TRUTH PART NO.		VENTILATOR BAR		DEGREE OF OPENING	
SS	ST	HINGE LENGTH	B	STD. STOP	NO STOP
34.10	34.17	8" (203.20mm)	N/A	54°	65°
34.11	34.18	10" (254.00mm)	3.750 (95.3mm)	55°	65°
34.12	34.19	12" (304.80mm)	4.750 (120.7mm)	55°	65°
34.13	34.20	14" (355.60mm)	5.750 (146.1mm)	55°	65°
34.14	34.21	16" (406.40mm)	6.750 (171.5mm)	55°	65°
34.15	34.22	18" (457.20mm)	7.750 (196.9mm)	55°	65°
34.16	34.23	20" (508.00mm)	8.750 (222.3mm)	55°	65°

301 SERIES 4-BAR HINGE PART NUMBER GUIDE

MATL	SIZE (IN.)	PART NUMBER	STOP	NO STOP	LOOSE RIVETS	125 SHIM	187 SHIM	250 SHIM	312 SHIM	SS TRACK & RIVETS	SS TRACK & RIVETS	REINFORCED SUPPORT ARM	ALUMINUM HINGES ONLY			
													218 TRACK	125 SHIM	250 SHIM	365 TRACK
SS	10	34.24.00	100	103	111	110	101	104	107	114	115					
ST	10	34.33.00	100	108			101	110	103			106	107			
AL	10	34.41.00												100	102	103
SS	12	34.25.00	111	109	110	112	107	106	105		102					
*SS	12	34.85.00				100										
ST	12	34.34.00	106				105				101	100				
AL	12	34.42.00												104	103	102
SS	14	34.26.00	100	102			101	106	110	107						
ST	14	34.35.00	100				103				102	106				
AL	14	34.43.00												100	101	102
SS	16	34.27.00	104	102	105		101		100							
ST	16	34.36.00	103				102				100	104				
AL	16	34.44.00												102		101
SS	18	34.28.00	100	104			101	106	109							100
ST	18	34.37.00	100		104	103		102			101	105				
AL	18	34.45.00												100		101
SS	20	34.29.00	107	106	101		105		103	102						
ST	20	34.38.00	107	106	101							100				
AL	20	34.46.00												103		102
SS	24	34.31.00	106	104			101		106			107				
ST	24	34.39.00	100	101					102							
SS	28	34.86.00	100													

Denotes hinges without stops (maximum opening)

* Denotes hinges with a black acetal shoe.

PART NUMBERING SYSTEM

Product No.	Model	Finish	Assembly
34	24	00	100
4-Bar Hinge	Heavy Duty 10" length	No decorative finish	w/stop std. open (hinge feature)

- When an awning window is "under lugged," (i.e., when a hinge is used on a window larger than is recommended), chatter is likely to occur when operated with a Roto Gear Awning Operator (See Truth Tips in Roto Gear Awning Operator section).
- For additional Truth Tips regarding this 4-Bar Hinge please refer to the Truth Tips section of this brochure.
- Unless otherwise specified all hinges have a brass shoe.
- The standard stack height of a Heavy Duty Hinge .625" (15.9 mm). If a shim is used, the stack height will increase by the shim thickness.
- For Heavy Duty Hinges the maximum vent weight for side hung (casement) application is 90 lbs. (41 Kg.) on hinges with a black acetal shoe and 100 lbs. (45.5 Kg.) on hinges with a brass shoe. (See Truth Tip #1).
- Since the vent slides away from the frame when opened, only dyad type operators are compatible with Heavy Duty Hinges.

4-BAR HINGE APPLICATION TABLE FOR PROJECTED & AWNING HINGES (as certified to A.A.M.A. 904.1)

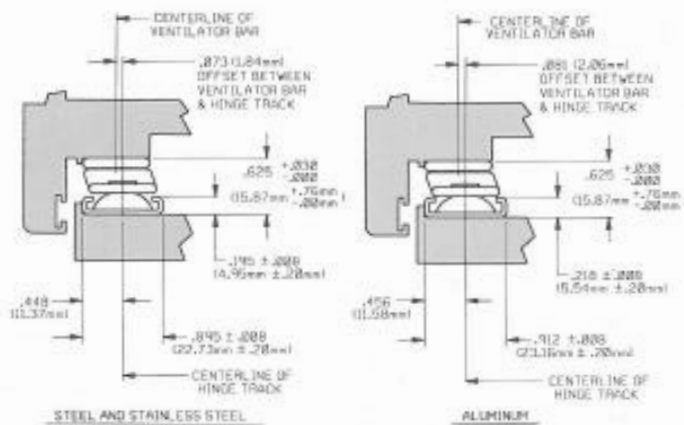
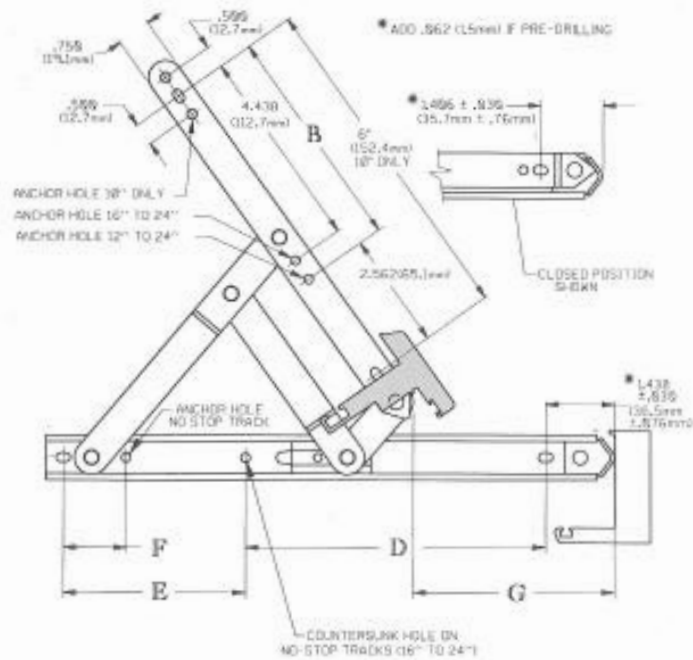
TRUTH PART NUMBERS			HINGE LENGTH	PROJECTED & AWNING APPLICATIONS		DEGREE OF OPENING	
STAINLESS STEEL	STEEL	ALUMINUM		VENT HEIGHT RANGE	MAXIMUM VENT WEIGHT	STD. STOP	NO STOP
34.24	34.33	34.41	10" (254.0mm)	12" (304.8mm) - 20" (508.0mm)	58 (26.4Kg.)	58°	77°
34.25	34.34	34.42	12" (304.8mm)	20" (508.0mm) - 25" (635.0mm)	73 (33.2Kg.)	52°	77°
34.26	34.35	34.43	14" (355.6mm)	23" (584.2mm) - 29" (736.6mm)	86 (38.6Kg.)	48°	77°
34.27	34.36	34.44	16" (406.4mm)	25" (635.0mm) - 34" (863.6mm)	99 (45.0Kg.)	48°	77°
34.28	34.37	34.45	18" (457.2mm)	32" (812.8mm) - 37" (939.8mm)	106 (49.1Kg.)	49°	77°
34.29	34.38	34.46	20" (508.0mm)	34" (863.6mm) - 40" (1016.0mm)	117 (53.2Kg.)	49°	77°
34.31	34.39	N/A	24" (609.6mm)	40" (1016.0mm) - 44" (1117.6mm)	129 (58.6Kg.)	45°	77°
34.86	N/A	N/A	28" (711.2mm)	50" (1270.0mm) - 64" (1625.6mm)	175 (91.0Kg.)	40°	N/A

Definitions:

* **Counter-Balanced:** a pair of hinges will balance or hold open the vent/sash with no added friction at the heights and weights listed in the chart.

****Ultimate:** A pair of hinges will not balance or hold open the vent/sash without added friction at the heights and weights listed in the chart.

Special NOTE: A properly counter-balanced sash may be important to obtain other important window operating characteristics such as proper operation of a rotatory awning operator



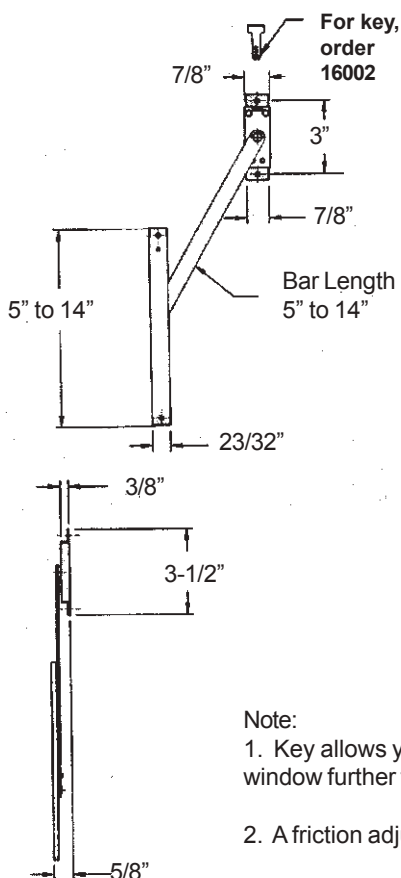
RECOMMENDED SCREW SIZE

STEEL: NO. 12 PHILLIPS PAN HEAD SCREWS. LENGTH AND THREAD TYPE TO BE DETERMINED BY PROFILE DESIGN; IF OR SCREW QUANTITIES REQUIRED FOR PROPER MOUNTING SEE TABLE BELOW

STAINLESS STEEL: NO. 10 PH-115 PAN HEAD STAINLESS STEEL SCREWS. LENGTH AND
ALUMINUM: THREAD TYPE TO BE DETERMINED BY PROFILE DESIGN. (FOR SCREW
QUANTITIES REQUIRED FOR PROPER MOUNTING SEE TABLE BELOW)

TRUTH PART NO.			VENTILATOR BAR		DEGREE OF OPENING		SCREW QUANTITIES
SS	ST	AL	HINGE LENGTH	B	STD. STOP	NO STOP	
34.24	34.33	34.41	12" (1254.00mm)	N/A	58°	77°	6
34.25	34.34	34.42	12" (1304.00mm)	4.938 (125.4mm)	52°	77°	6
N/A	34.85	N/A	12" (1304.00mm)	4.938 (125.4mm)	76°	N/A	6
34.26	34.35	34.43	14" (355.68mm)	5.938 (150.8mm)	48°	77°	6
34.27	34.36	34.44	16" (406.40mm)	6.938 (176.2mm)	49°	77°	7
34.28	34.37	34.45	18" (457.20mm)	7.938 (201.6mm)	49°	77°	7
34.29	34.38	34.46	20" (508.00mm)	8.938 (227.0mm)	49°	77°	7
34.31	34.39	N/A	24" (609.60mm)	10.938 (277.8mm)	45°	77°	7
34.86	N/A	N/A	28" (711.20mm)	12.938 (335.0mm)	40°	N/A	7

**Truth Standard Duty Limit
Device With Key Release**

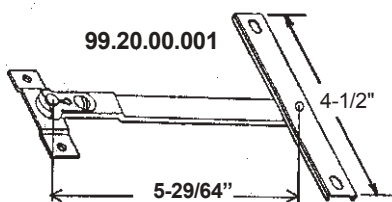


Note:

1. Key allows you to detach support arm to open the window further for maintenance.
2. A friction adjustment screw is provided in the shoe.

Limit Device With Key Release Feature

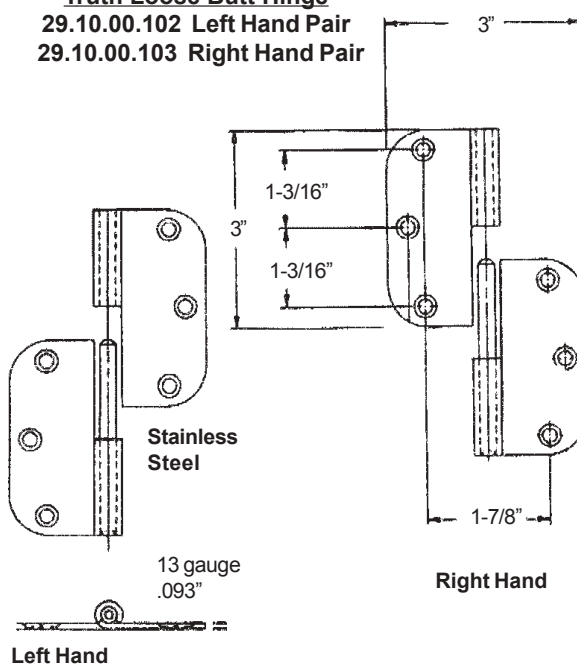
Part Number	Track Length	Bar Length
37.26.00.200	5"	5"
37.27.00.200	6"	6"
37.28.00.200	7"	7"
37.29.00.200	8"	8"
37.30.00.200	9"	9"
37.31.00.200	10"	8"
37.31.00.201	10"	10"
37.32.00.200	11"	11"
37.33.00.202	12"	12"
37.34.00.201	14"	14"

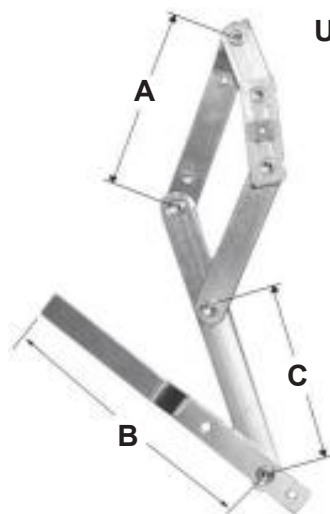


Limit Devices:

When properly installed and operated, the Limit Device will help prevent damage to casement and awning windows under high winds in high-rise applications. Two different methods of disconnecting the Limit Device from the sash for cleaning purposes - either by inserting a key, or by operating the detach clip.

Truth Loose Butt Hinge
29.10.00.102 Left Hand Pair
29.10.00.103 Right Hand Pair





Used On Cupples Windows



Blaine Part Number	A	B	C
00700-6	4-3/16"	5-9/32"	4"
00700-8	4-3/16"	6-13/32"	4"
00700-10	7-3/16"	7-25/32"	7"
00700-12	7-3/16"	11-9/32"	7"

Vent Arms - Custom Made To Size

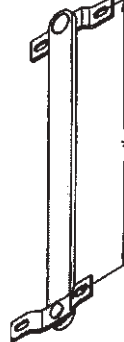
VA0001



VA0002

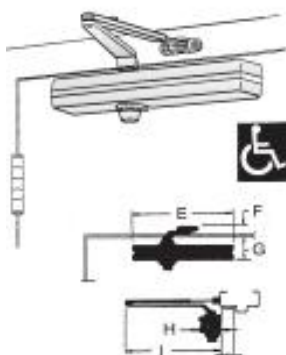


VA0003



**Specify
Aluminum
or Steel**

*Please send a sample or request a worksheet from Customer Service.



Features:

- One 1461 Super stock can be mounted three different ways.
 1. Hinge Face
 2. Top Jamb
 3. Stop face (parallel arm)
- 1461 Series is non-handed, non-sized with spring power adjustable from size 2 through 6
- Delayed action optional.
- Heavy-duty forged main arm.
- Cast Iron cylinder.
- Full rack and pinion hydraulic action.
- Joints in arm and shoe adapt to uneven trim.
- Non-critical regulating screws are tamper resistant.
- 10 year warranty ; UL Listings

Part No. DC0017-1461-037

Exterior or Vestibule Door	Interior Doors	Reg. Arm
2'0" (600 MM) through 4'0" (1200 MM)	2'0" (600 MM) through 5'0" (1500 MM)	1461

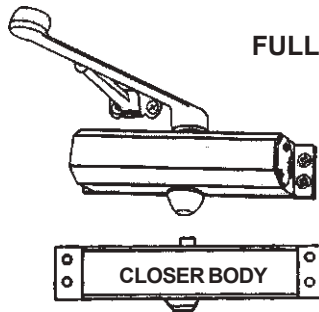
E	F	G	H	I
12-1/4"	1-1/8"	2-11/16"	2-3/8"	11-1/4"

Visit us at: www.blainewindow.com

COMMERCIAL DOOR CLOSERS

MADE IN THE U.S.A.

FULL 10 YEAR FACTORY WARRANTY



Blaine Door Closers provide narrow styling and installation versatility. They are ideal for use with aluminum doors and frames, yet they make an attractive installation on wood or metal doors.

FEATURES

Standard

Parallel Arm Bracket
Non-Handed
Aluminum Alloy Shell
Adjustable Closing Speed
Adjustable Latching Speed
Non-Hold Open
Adjustable Power Shoe
Adjustable Back Check

Optional

Adjustable Delayed Action Closing (ADA)
Hold Open Arm

U.L. & U.L.C. Listing

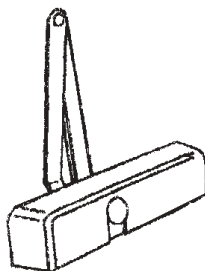
All Blaine door closers, with non-hold open arms or hold open arms, are listed by Underwriters Laboratories under their continuing re-inspection programs.

Blaine Door Closers are non handed and, for standard non-hold open or hold open applications, can be mounted on regular and top jamb installations. An optional mounting bracket is available for parallel installations.

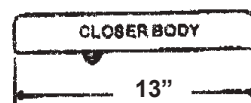
ADA Closer, shown above, available. Please call for details.

SIZE SELECTION CHART

MODEL	MAXIMUM DOOR WIDTH	
	INTERIOR	EXTERIOR
DC0002	2'8"	—
DC0003	3'0"	2'6"
DC0004	3'8"	3'0"
DC0004 Econ	3'6"	3'0"
DC0005	4'0"	3'6"
DC0008	5'0"	4'6"

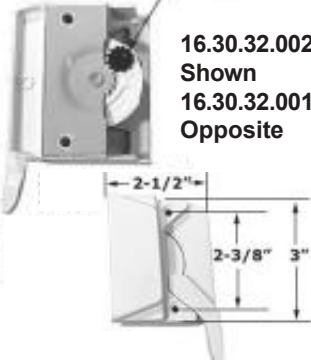
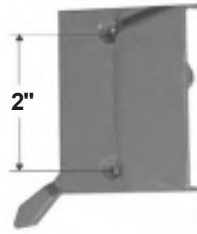

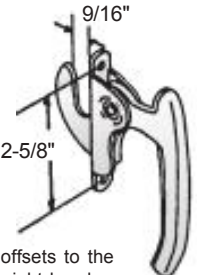
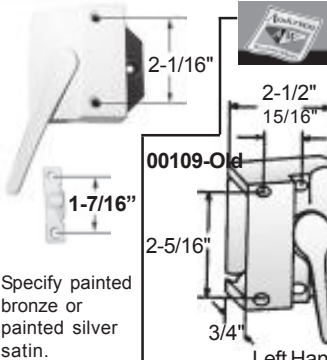
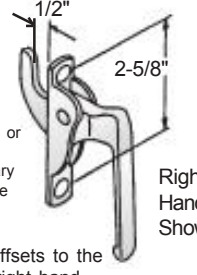


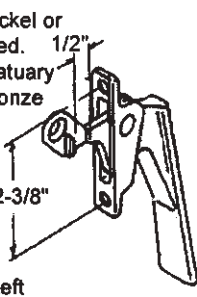

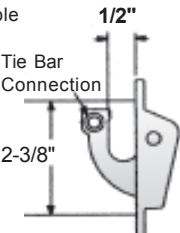
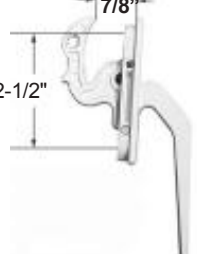


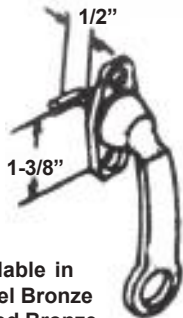
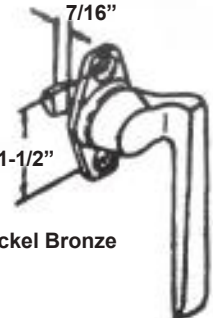
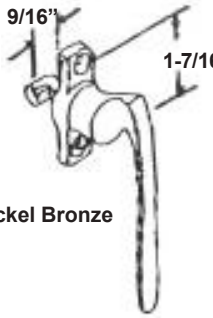
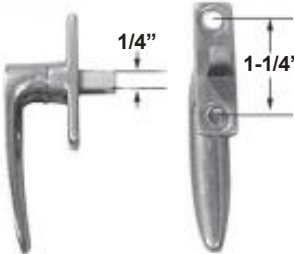
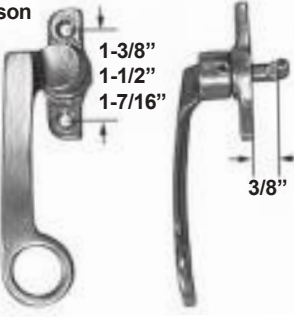

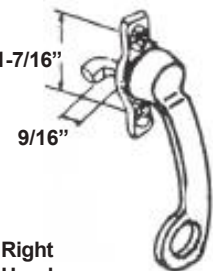
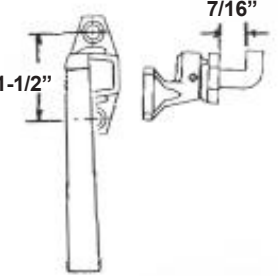
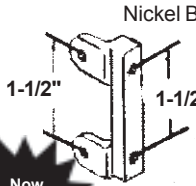
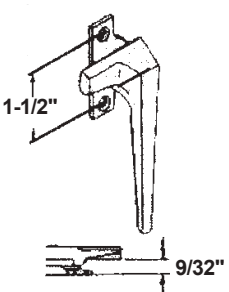
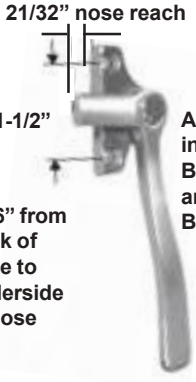
For ADA Door Closer, order **DC-8**

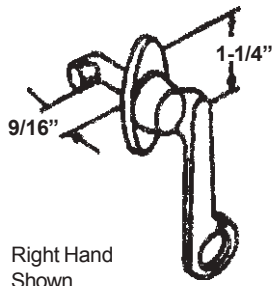
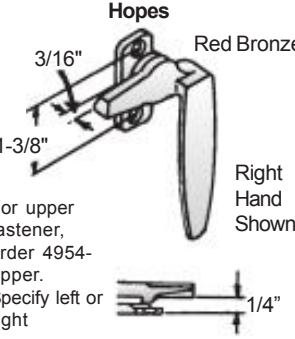
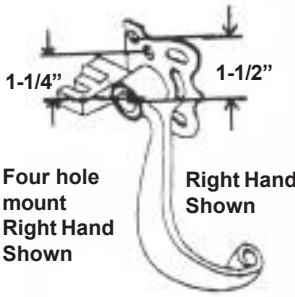
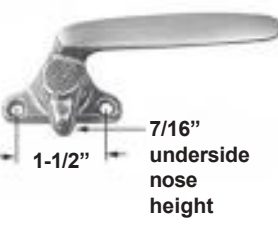
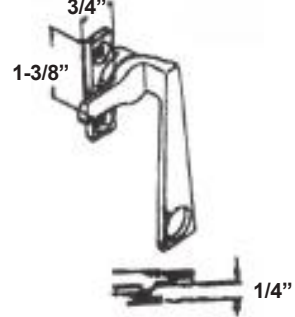
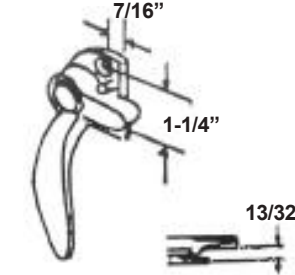


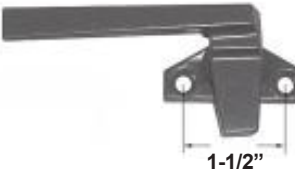

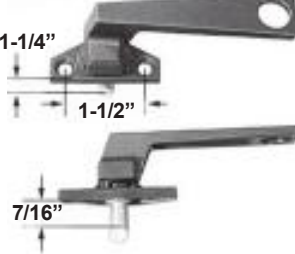
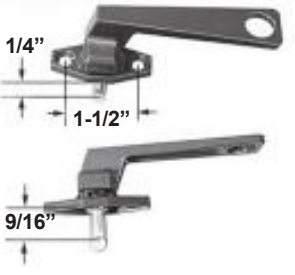


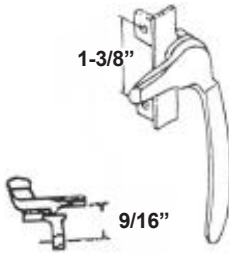
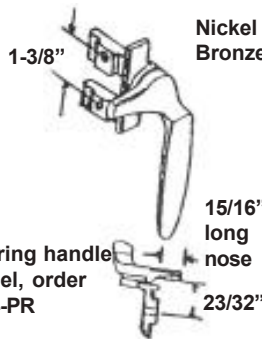

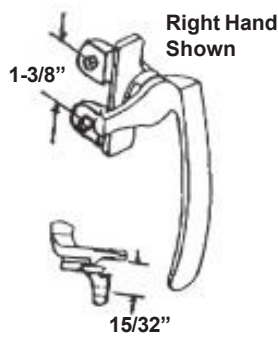
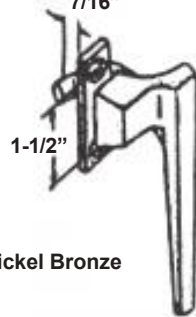


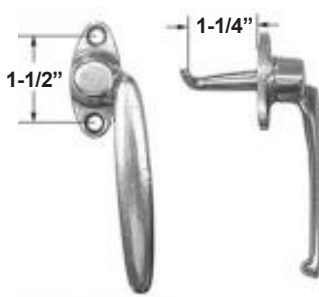


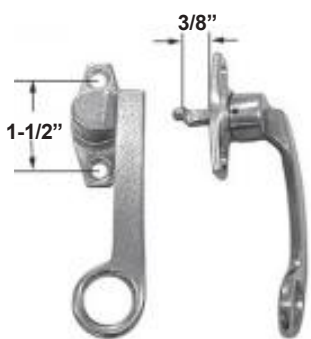
COMPARISON CHART

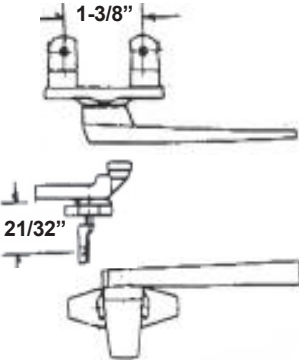
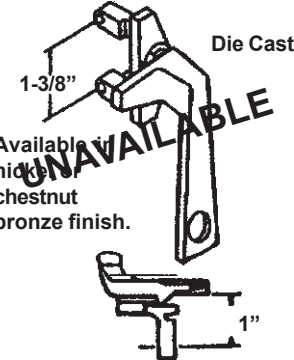


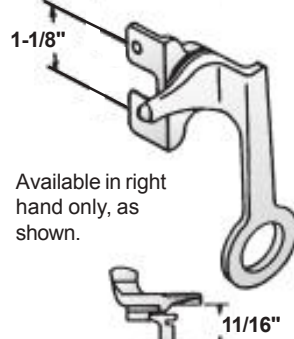


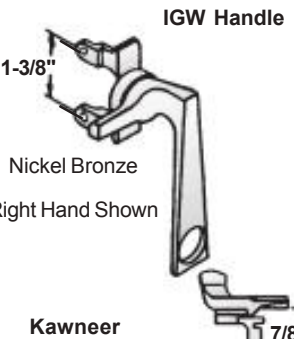

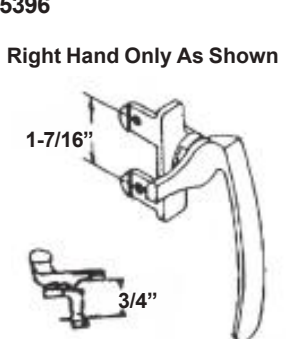

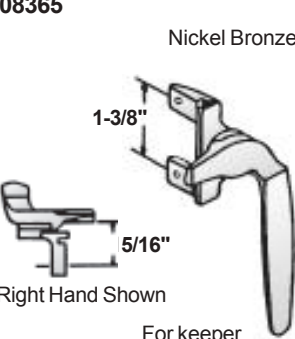
FUNCTION	Blaine	Yale	Norton	Dorma	LCN
Standard	DC Series	50	1600	600	—
Backcheck	DC Series-BC	50BC	1600BC	610	1070
Parallel Arm	DC Series-PA	50	1600PA	600PA	1070P
Hold Open	DC Series-HO	150	1600H	600FHO	1070H

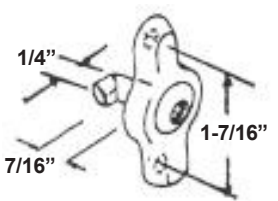
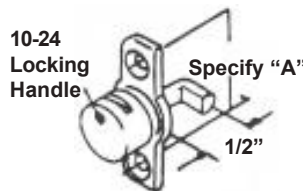

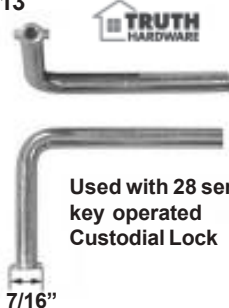
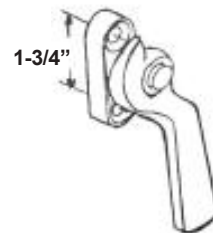
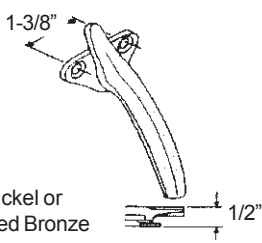

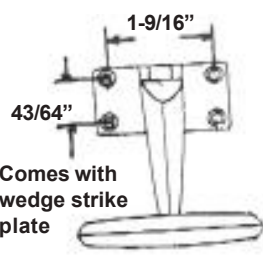

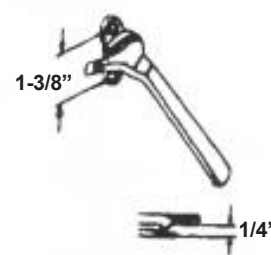
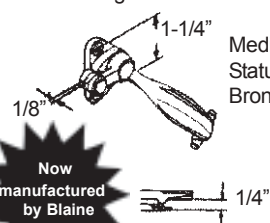
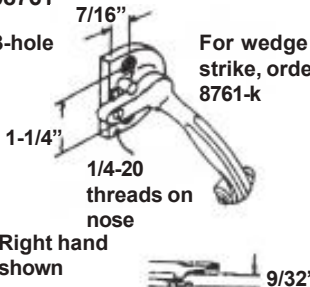

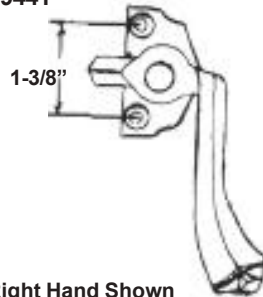
<p>16.30.XX Hole for Tie-Bar</p>  <p>16.30.32.002 Shown 16.30.32.001 Opposite</p>	<p>16.18.XX.210 16.19.XX.210*</p>  <p>*16.19 is tie bar compatible</p> <p>Non handed Low profile</p> <p>16.18 & 16.19 sold w/std kpr no. 31344.</p>	<p>16.52.XX.300 16.53.XX.300*-upper</p>  <p>Non-handed Home Gard Primary Sash Lock (Lower)</p> <p>*16.53 is tie bar compatible</p> <p>*Non Handed Home Gard Secondary (Only) Sash Lock (Upper w/o lever)</p> <p>Keeper sold separately: 40902 LH 40903 RH</p>
<p>00101</p>  <p>Right Hand Shown</p> <p>Handle offsets to the right for right hand.</p> <p>Stamped Steel Gray or Brown finish</p>	<p>00109-New Right Hand Shown</p>  <p>00109-Old</p> <p>Specify painted bronze or painted silver satin.</p> <p>Left Hand</p>	<p>00135</p>  <p>Nickel or med. statuary bronze</p> <p>Right Hand Shown</p> <p>Handle offsets to the right for right hand.</p>
<p>00430</p>  <p>Non-Handed</p> <p>Nickel or Red Bronze</p>	<p>04979</p>  <p>Left Hand Shown</p> <p>Nickel Bronze or Red Bronze</p>	<p>09498</p>  <p>Nickel or med. statuary bronze</p> <p>Left Hand Shown</p>
<p>24.13.XX.202 Lower</p>  <p>Several finishes available</p> <p>Tie Bar Connection</p> <p>For 3/8" gap order: 24.12.XX.200 Lower 24.12.XX.201 Upper</p>	<p>24.13.XX.203 Upper</p>  <p>Several finishes available</p> <p>Tie Bar Connection</p>	<p>24.25.XX.300</p> <p>Bronze painted, coppertone or white</p>  <p>Multi Point Locking System</p>



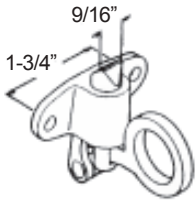
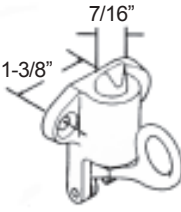
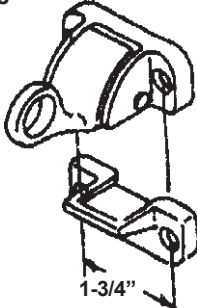
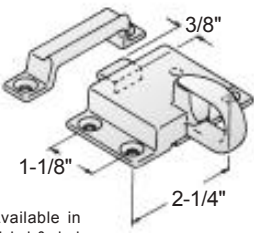
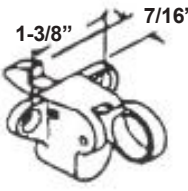
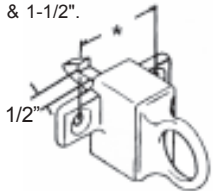

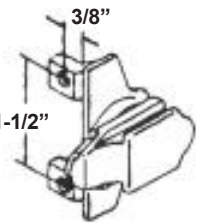
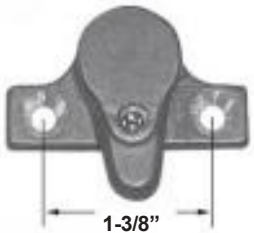
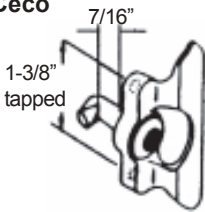
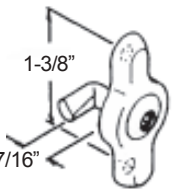

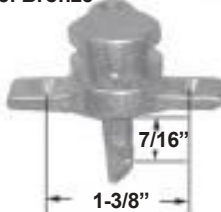
<p>04840 Right Hand Shown</p>  <p>Available in Nickel Bronze or Red Bronze</p>	<p>04928 Winco</p>  <p>Nickel Bronze</p> <p>Right Hand Shown</p>	<p>08366</p>  <p>Nickel Bronze</p> <p>Right Hand Shown</p>
<p>10194</p> 	<p>12501 Left Hand Shown Mason</p>  <p>For non-pole ring handle, order 12500 For 1/2" lug, non pole ring, order 12510</p>	<p>12510 Mason</p>  <p>1/2" Lug Gap</p> <p>For ring handle, order 12511</p> <p>Right Hand Shown</p> <p>Available in red bronze, nickel bronze or dark statuary bronze</p>
<p>21337 Nickel Bronze</p>  <p>Right Hand Shown</p>	<p>27.19</p>  <p>Left Hand Shown</p>	<p>PROJECT OUT CAM HANDLES</p>
<p>00192</p>  <p>Nickel Bronze</p> <p>Now manufactured by Blaine</p> <p>Angle Adapter</p> <p>Project Out</p>	<p>00191</p>  <p>Right Hand Shown</p>	<p>00201 Right Hand Shown</p>  <p>Available in Nickel Bronze and Red Bronze</p>


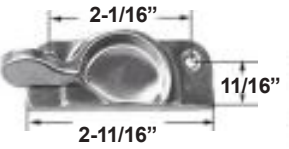

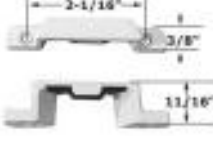

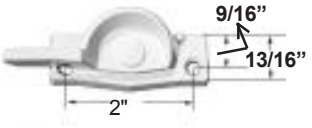
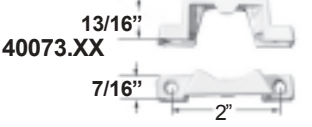
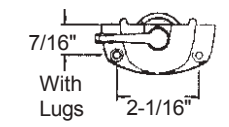
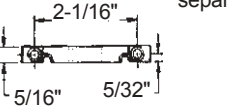


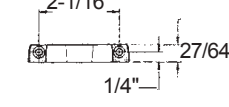

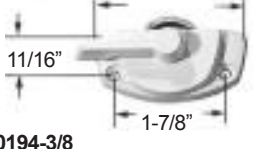


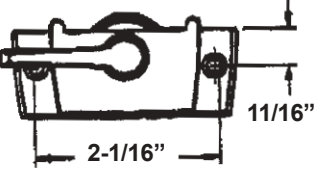

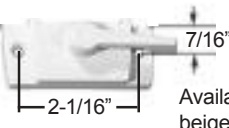


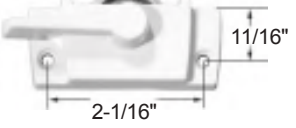
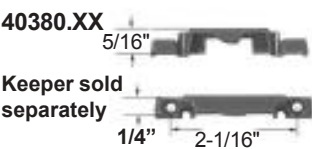

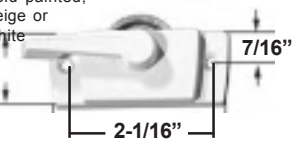
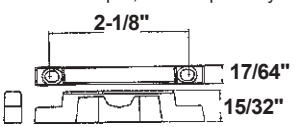
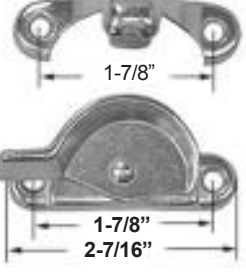
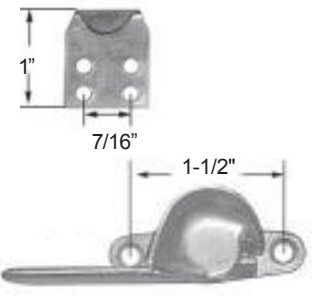
<p>08317 Lupton</p> <p>Nickel Bronze</p>  <p>Right Hand Shown</p>	<p>04954 Hopes</p> <p>Red Bronze</p>  <p>For upper fastener, order 4954-upper. Specify left or right</p>	<p>08485 Nickel Bronze Dark Statuary Bronze Red Bronze</p>  <p>Four hole mount Right Hand Shown</p> <p>Other variations available</p>
<p>09467 Lupton</p>  <p>Right Hand Shown</p>	<p>10076 Nickel Bronze</p>  <p>Right Hand Shown</p>	<p>10741 Red Bronze</p>  <p>Left hand only as shown</p>
<p>12600 Mason</p> <p>available in red bronze, nickel bronze or dark statuary bronze powder coat</p>  <p>Right Hand Shown</p> <p>19/64" from back of base to underside of nose</p> <p>1-3/8", 1-7/16", 1-1/2"</p>	<p>12601 Mason</p> <p>available in red bronze, nickel bronze or dark statuary bronze powder coat</p>  <p>Right Hand Shown</p> <p>19/64" from back of base to underside of nose</p> <p>1-3/8", 1-7/16", 1-1/2"</p>	<p>25.29.XX.102 as shown 25.29.XX.103 opposite</p> <p>Truth</p>  <p>Left hand shown</p>
<p>25.31.XX.103 as shown 25.31.XX.102 opposite</p>  <p>9/16" Nose Reach From Base Edge To End Of Nose</p>	<p>27.25.XX.103 as shown 27.25.XX.102 opposite</p> 	<p>27.32.XX.103 as shown 27.32.XX.102 opposite</p> 

<div>08487</div> <div></div> <div>Right hand shown</div>	<div>08774</div> <div>Right hand shown</div> <div></div> <div>Nickel Bronze</div> <div>For ring handle model, order 8774-PR</div>	<div>12610</div> <div>Mason</div> <div>Left Hand Shown</div> <div></div> <div>Also available in 1-3/8 and 1-1/2 inch hole centers</div>	
<div>20176</div> <div>Nickel Bronze</div> <div></div> <div>Right Hand Shown</div>	<div>THRU-RAIL CAM HANDLES</div>		<div>00190</div> <div>Right hand shown</div> <div></div> <div>Nickel Bronze</div>
<div>00242-L</div> <div>Lupton</div> <div>Available in nickel bronze, red bronze or dark statuary bronze</div> <div></div> <div>Left hand shown</div>	<div>00243-R</div> <div>Right Hand Shown</div> <div></div> <div>Specify Left or Right Hand</div> <div>Available in red bronze, nickel bronze or dark statuary bronze powder coated</div>	<div>00414-R</div> <div>Lupton</div> <div></div> <div>Available in Left or Right Hand. Please specify</div>	
<div>00426-R</div> <div></div> <div>Right hand shown Specify Left or Right Hand</div>	<div>00428-R</div> <div></div> <div>Right hand shown. Specify Left or Right Hand</div> <div>For 1-1/8" Lug Gap, order 428- L-Spec or 428- R-Spec</div>	<div>00495</div> <div>Bayley</div> <div></div> <div>Right Hand Configuration only</div>	


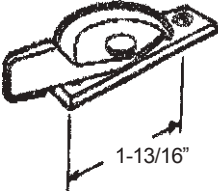

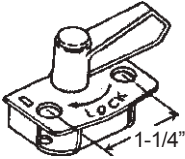
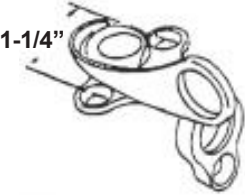


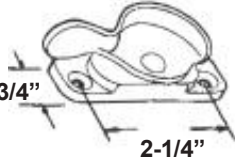
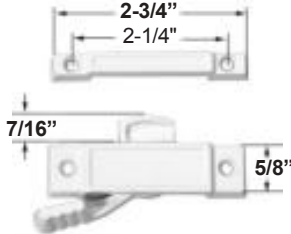
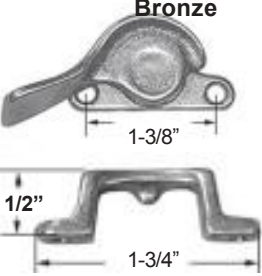
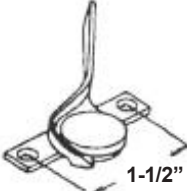
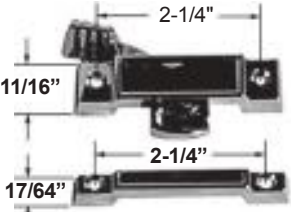
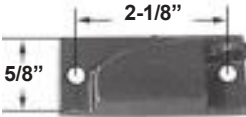


<p>25.39.XX.103 as shown 25.39.XX.102 opposite</p> 	<p>25.41.XX.103 As shown 25.41.XX.102 Opposite</p> <p>Die Cast</p>  <p>Available in nickel chestnut bronze finish.</p>	<p>25.76.XX.102 as shown 25.76.XX.103 opposite</p> <p>Left Hand Shown</p>  <p>Available in Black, Chestnut Bronze and Brushed Copper Nickel</p>
<p>00415 Right hand shown</p>  <p>Unavailable Order #191w/ #192 See Page 27</p>	<p>04854 Nickel Bronze</p>  <p>Available in right hand only, as shown.</p>	<p>04916 Cupples</p> 
<p>04972 Kawneer</p>  <p>10-24 Tapped Holes</p> <p>Right Hand Shown</p>	<p>05248 IGW Handle</p>  <p>Nickel Bronze Right Hand Shown</p> <p>Kawneer</p>	<p>05335</p> <p>Available In Nickel Bronze Or Red Bronze</p>  <p>IGW Handle Right Hand Shown</p>
<p>05396</p> <p>Right Hand Only As Shown</p>  <p>Nickel Bronze</p>	<p>08302</p> <p>Nickel Bronze</p>  <p>Right Hand Shown</p> <p>Also available w/ special long nose. Order 8302-Spec-Long. Specify Left or Right Hand</p>	<p>08365</p> <p>Nickel Bronze</p>  <p>Right Hand Shown</p> <p>For keeper, order 8424</p>

<div>09263</div> <div>Medium Statuary Bronze</div> <div></div> <div>Order 2053-1/4 Wrench</div>	<div>12551</div> <div>Left Hand Shown</div> <div></div> <div>Available in nickel bronze or red bronze</div>	<div>12625</div> <div>Order 12560 3/32 Wrench</div> <div></div> <div>Available in nickel bronze or red bronze</div> <div>Avail: 1-3/8", 1-7/16" & 1-1/2" hole spacing</div>	
<div>20313</div> <div></div> <div>Used with 28 series key operated Custodial Lock</div>	<div>PROJECT IN CAM HANDLES</div>		<div>00184</div> <div></div> <div>Red Bronze</div>
<div>00402</div> <div>Hopper Handle</div> <div></div> <div>Nickel or Red Bronze</div>	<div>04040</div> <div></div> <div>Right Hand swings to right Left Hand swings to left</div> <div>Red Bronze</div>	<div>04149</div> <div>Red Bronze</div> <div></div> <div>Comes with wedge strike plate</div>	
<div>SIMPLEX CAM HANDLES</div>		<div>00497</div> <div>Specify left or right hand</div> <div></div> <div>Truscon Republic Steel</div> <div>Available in red bronze or nickel bronze</div> <div>Right Hand Shown</div>	<div>08036</div> <div>Red Bronze</div> <div></div> <div>Right Hand Shown</div>
<div>08116</div> <div>Simplex Handle</div> <div>Right Hand Shown</div> <div></div> <div>Medium Statuary Bronze</div> <div>Now manufactured by Blaine</div>	<div>08761</div> <div>Red Bronze</div> <div>3-hole</div> <div></div> <div>For wedge strike, order 8761-k</div> <div>Right hand shown</div> <div></div>	<div>09441</div> <div></div> <div>Right Hand Shown</div>	

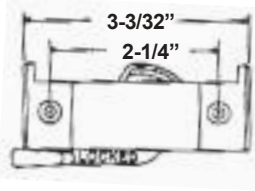
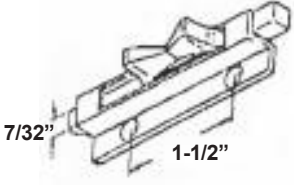
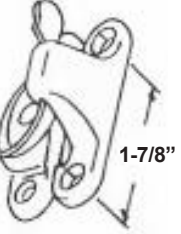
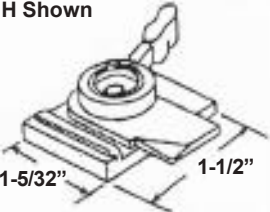


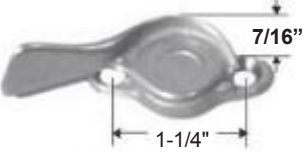

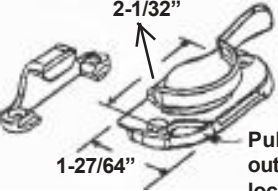
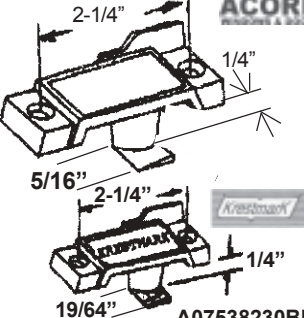
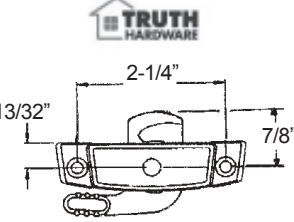
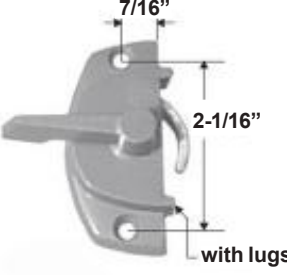

<p>00144 Truscon</p> <p>Red Bronze</p> <p>3/8"</p> <p>1-3/8"</p> <p>This model also available for project out application. Order No. 00144-</p> 	<p>00147 Available in Nickel Bronze and Red Bronze</p> <p>1-3/8"</p> <p>1/2"</p>  <p>For Surface Type Keeper, order 00147-SK</p>	<p>00484 Fenestra</p> <p>Die Cast</p> <p>9/16"</p> <p>1-3/4"</p> <p>Available in Aluminum or bronze painted finish</p> 
<p>02404</p> <p>7/16"</p> <p>1-3/8"</p> <p>Nickel Bronze</p> 	<p>04328</p>  <p>1-3/4"</p>	<p>04332</p>  <p>3/8"</p> <p>1-1/8"</p> <p>2-1/4"</p> <p>Available in nickel & dark bronze</p>
<p>05131 Ceco</p> <p>1-3/8"</p> <p>7/16"</p> <p>Available in nickel bronze or dark statuary bronze</p> 	<p>12401 Mason</p> <p>*Available in 1-3/8", 1-7/16" & 1-1/2".</p> <p>1/2"</p> <p>Available in nickel or red bronze</p> 	<p>00039-5/32"</p> <p>5/32" Hex</p> <p>5/8"</p> <p>Also available with 1/8" hex. Order #00039-1/8"</p> 
<p>01206 Nickel Bronze</p> <p>3/8"</p> <p>1-1/2"</p> 	<p>01209 Available in red brass and nickel bronze</p>  <p>1-3/8"</p>	<p>08021 Order #02053-1/4" Hex Wrench</p> <p>Ceco</p> <p>7/16"</p> <p>1-3/8" tapped</p> <p>Available in nickel or red bronze</p> 
<p>08043 Available in Nickel or Red Bronze</p> <p>Ceco</p> <p>1-3/8"</p> <p>7/16"</p> <p>Order #2053-1/4 Hex Wrench</p> 	<p>08098 Ceco</p>  <p>1-3/8"</p>	<p>08454 1/2" lug gap - 08454-1/2 11/16" lug gap - 08454-11/16</p> <p>Nickel Bronze</p>  <p>7/16"</p> <p>1-3/8"</p> <p>For wrench handle, order 0039-5/32</p>

<p>17.02.XX.001</p> <p></p> <p>Restoration Lock</p>  <p>2-1/16" 11/16" 2-11/16" 2-1/16" hole centers 11/16" set back</p>	<p>18.16.XX.102</p> <p>Finger Lift</p>  <p>7/8" 31/32"</p> <p>12505 Keeper</p>  <p>2-1/16" 3/8" 1 1/16"</p> <p>Screws not included. We recommend #6 flat head phillips and determine your desired length. We can provide.</p> <p>XX = Bright Brass - 13 Antique Brass - 14 Nickel - 19</p>	<p>17.14.XX</p> <p></p>  <p>9/16" 13/16" 2"</p> <p>Bronze painted or white</p> <p>Keeper sold separately.</p> <p>40073.XX</p>  <p>13/16" 7/16" 2"</p>
<p>17.19.XX.200</p>  <p>7/16" 2-1/16"</p> <p>Without Lugs</p> <p>With Lugs</p> <p>Beige, Bronze painted or white</p> <p>40320.XX</p>  <p>2-1/16" 5/16" 5/32"</p> <p>Keeper sold separately.</p>	<p>17.23.XX.200</p> <p></p>  <p>2-1/16" 7/16"</p> <p>Bronze painted, gold painted, chestnut bronze or white</p> <p>40367.XX</p>  <p>2-1/16" 27/64" 1/4"</p> <p>Keeper sold separately</p>	<p>17.31.XX.100</p> <p></p> <p>Entrygard</p> <p>Available in bronze painted or white</p>  <p>11/16" 1-7/8"</p> <p>C0194-3/8</p> <p>Keeper sold separately</p> <p>3/8" inside dia. For 5/16" inside dia., order C0194-5/16</p>  <p>1/2"</p>
<p>17.33.XX.200</p> <p></p> <p>Available in beige, black, bronze painted, chestnut bronze, clay or white</p>  <p>11/16" 2-1/16"</p> <p>Keeper no. 40891 sold separately</p>	<p>17.34.XX.200</p> <p></p> <p>Trimline</p>  <p>7/16" 2-1/16"</p> <p>Available in beige or white.</p> <p>40380.XX</p>  <p>5/16" 1/4" 2-1/16"</p> <p>Keeper sold separately</p>	<p>17.35.XX.300</p> <p></p> <p>With Lugs</p>  <p>11/16" 2-1/16"</p> <p>Bronze painted or white</p> <p>40380.XX</p>  <p>5/16" 1/4" 2-1/16"</p> <p>Keeper sold separately</p>
<p>17.38.XX.200</p> <p></p> <p>Available in gold painted, beige or white</p>  <p>7/16" 2-1/16"</p> <p>40932 keeper, sold separately.</p>  <p>2-1/8" 17/64" 15/32"</p> <p>Several colors available</p>	<p>00501</p> <p>Brass Finished Cast Zinc</p>  <p>1-7/8" 1-7/8" 2-7/16"</p>	<p>01550-Set</p>  <p>1" 7/16" 1-1/2"</p>

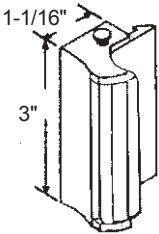
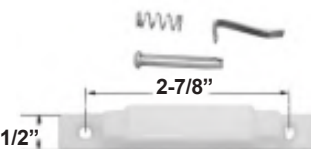

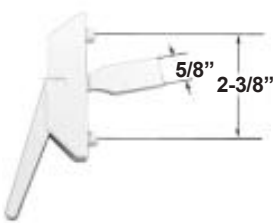
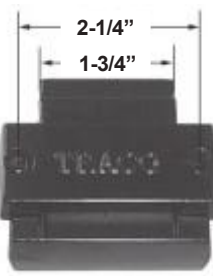
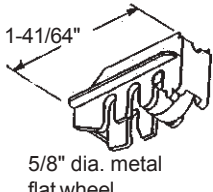
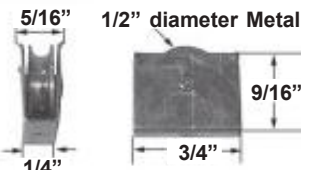
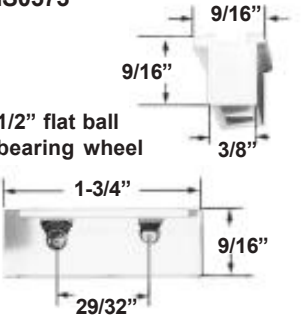
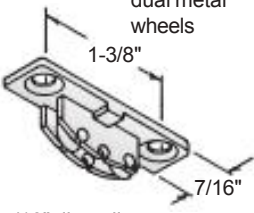

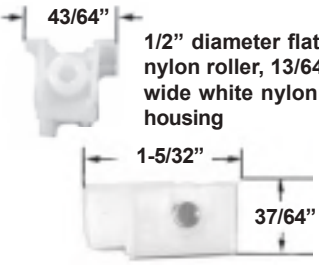
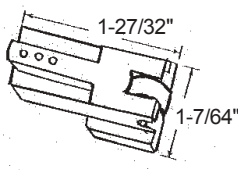
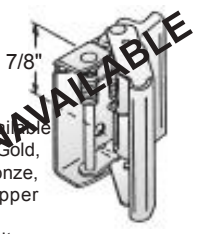
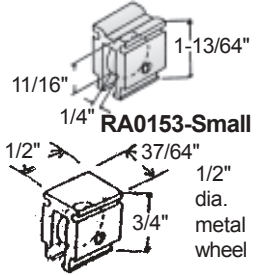
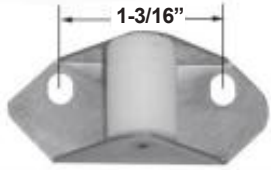
SWEEP LATCHES

<p>04028</p>  <p>2-1/8"</p> <p>1/2"</p> <p>1"</p>	<p>04210</p> <p>Est. 1908 CROFT</p> <p>Black Finish</p>  <p>1-13/16"</p> <p>Cast Zinc</p>	<p>04216</p> <p>Champagne</p>   <p>1-1/4"</p> <p>Comes with 04216-k keeper</p>
<p>04249</p> <p>Nickel Bronze</p>  <p>1-1/4"</p> <p>Order 04249-K keeper</p>	<p>04254</p> <p>Lock & Keeper</p> <p>Nylon</p>   <p>2"</p> <p>9/16"</p> <p>2"</p> <p>11/16"</p> <p>2-1/2"</p> <p>2 inch hole centers</p> <p>Stone color finish or white</p>	<p>04520</p> <p>3/4" total height</p>  <p>3/4"</p> <p>2-1/4"</p> <p>Dark statuary bronze. For 2-5/16" hole centers. Order 04520-2-5/16. Available in red bronze, nickel bronze and aluminum.</p>
<p>04550</p>  <p>2-3/4"</p> <p>2-1/4"</p> <p>7/16"</p> <p>5/8"</p>	<p>04583</p> <p>Nickel Bronze</p>  <p>1-3/8"</p> <p>1/2"</p> <p>1-3/4"</p> <p>04583-K Keeper Sold Separately</p>	<p>04591</p> <p>Handed - Left Hand Shown</p>  <p>1-1/2"</p> <p>Nickel Bronze</p>
<p>04594</p> <p>Black, white, natural zinc or brown</p>  <p>2-1/4"</p> <p>11/16"</p> <p>2-1/4"</p> <p>17/64"</p> <p>4594-K Keeper</p> <p>See keyed sold separately version</p> <p>Order 4594-w/key Black or white only</p>	<p>04603</p>  <p>2-1/8"</p> <p>5/8"</p> <p>Order 4603-K Keeper separately</p>	<p>04623</p> <p>Kawneer</p>  <p>1-1/4"</p> <p>4623-K</p>  <p>1-1/4"</p> <p>15/16"</p> <p>5/8"</p>

SWEEP LATCHES

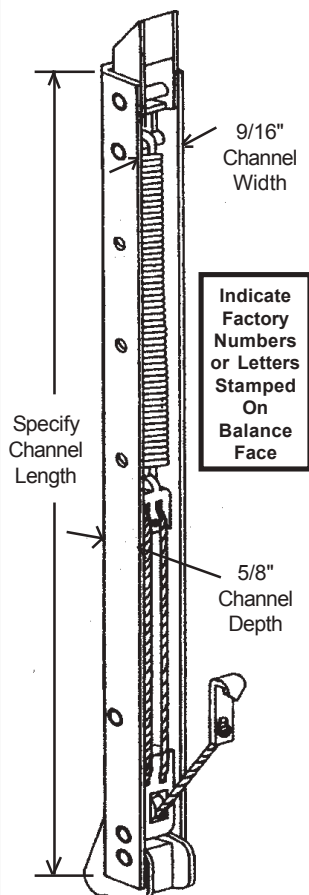
<p>04392 Available in black or white diecast</p>  <p>For keeper order 04392-K</p>	<p>04627</p> 	<p>04644 Overall height- 45/64"</p>  <p>Brass plated die cast</p> <p>For dull nickel finish order 04644-016</p>
<p>04652 Thermalgard</p> <p>Specify left or right R H Shown</p>  <p>White</p> <p>Comes with center screw</p>	<p>04675-R NuPrime/ Seasonall Zinc Plated Die Cast</p>  <p>Keeper sold separately</p> <p>04675-K</p> 	<p>04703 Nickel Bronze</p>  <p>Order 04703-k keeper separately</p> <p>Right hand shown Specify left or right hand</p>
<p>04709</p>  <p>Right Hand Shown. Specify Left or Right Hand</p> <p>Order 04513-K Keeper</p>	<p>20667-Assy-003 Marvin</p> <p>20667-Assy-067</p>  <p>Pull out lock lever</p> <p>Solid polished brass or white finish</p>	<p>A07538148WC White Order 04594-Low</p>  <p>ACORN WINDOW & DOOR</p> <p>Krestman</p> <p>A07538230BK Unavailable</p>
<p>A8164-00-02 Black</p> <p>A8164-00-WH White</p> <p>Order 04645, replacement</p>  <p>TRUTH HARDWARE</p>	<p>17.19</p>  <p>with lugs</p>	<p>17.23</p> 

**HORIZONTAL SLIDING LATCHES /
ROLLERS & GUIDES**

<p>HS0001</p> <p>Premiere</p>  <p>Nylon with aluminum latch. Black finish.</p> <p>2-1/8" hole centers</p>	<p>HS0016</p> 	<p>HS0050</p> 
<p>HS0496</p> 	<p>HS0710</p> 	<p>HS0521</p> <p>Acorn</p>  <p>5/8" dia. metal flat wheel</p>
<p>HS0561</p>  <p>5/16" 1/2" diameter Metal</p> <p>1/4" 3/4" 9/16"</p>	<p>HS0573</p>  <p>9/16" 9/16" 1/2" flat ball bearing wheel 1-3/4" 3/8" 29/32" 9/16"</p>	<p>HS0577</p>  <p>5/16" dia. flat dual metal wheels 1-3/8" 7/16"</p> <p>5/16" dia. roller</p>
<p>HS0585</p>  <p>7/8" diameter wheel. Specify Nylon or Steel</p>	<p>HS0588 Reynolds</p>  <p>43/64" 1-5/32" 37/64"</p> <p>1/2" diameter flat nylon roller, 13/64" wide white nylon housing</p>	<p>HS0607</p>  <p>1-27/32" 1-7/64"</p> <p>1/2" dia. flat metal wheel</p>
<p>17.13</p> <p>Truth</p>  <p>7/8"</p> <p>Available in Gold, Bronze, Copper & White</p>	<p>RA0153</p>  <p>11/16" 1/4" 1-13/64" 37/64" 3/4" 1/2" dia. metal wheel</p> <p>RA0153-Small</p>	<p>RA169</p>  <p>1-3/16"</p>

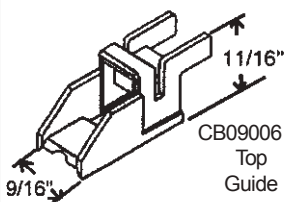
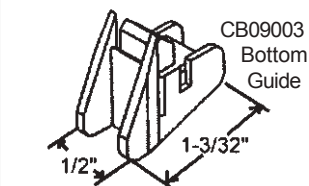
CB 0 SERIES

Channel Balance
9/16" channel width*



*For 3/8" channel width,
order CB-4 Series

**Most Commonly Used
Accessories For CB 0 Series
Balances. Please
specify when ordering.**

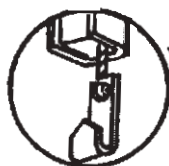
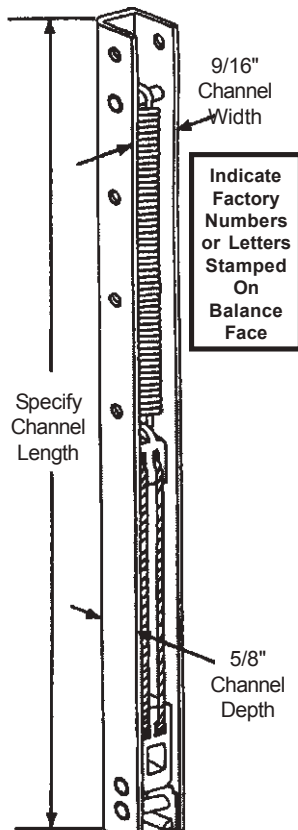


**Information required for
ordering:**

1. Measure channel length
(do not include plastic end
guides).
2. Check numbers stamped
on channel.
3. Identify series.

CB 3 SERIES

Channel Balance
9/16" channel width

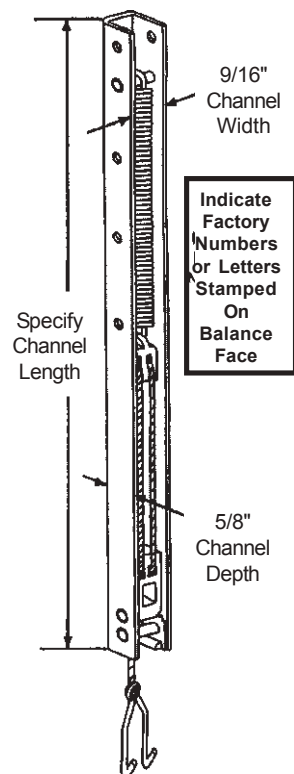


Same as the CB5 series but
with a different gooseneck
clip.

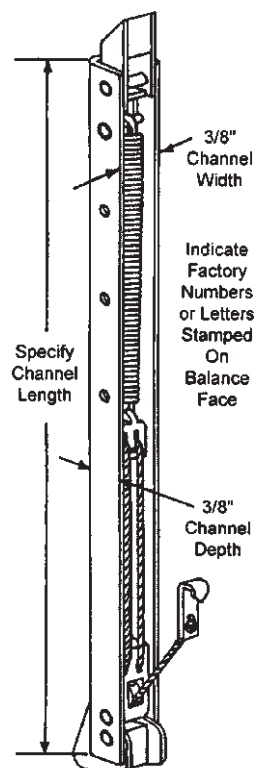
Visit us at: www.blainewindow.com

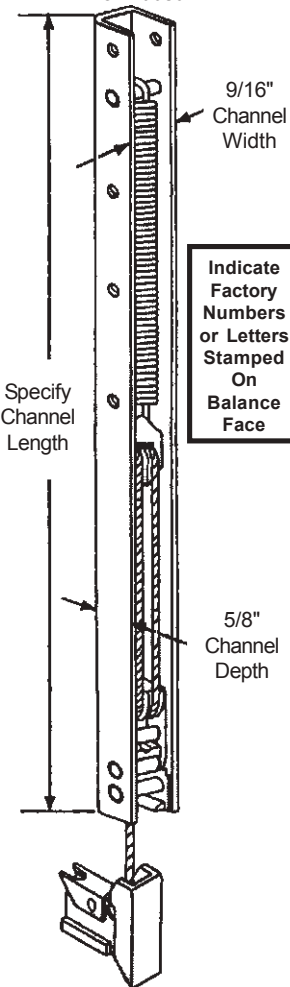
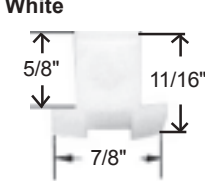

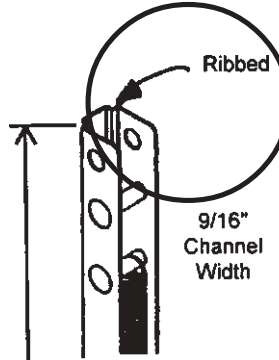
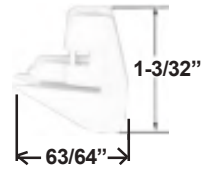
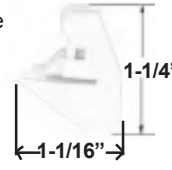


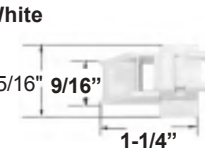
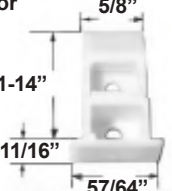

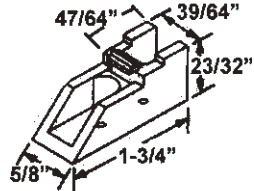
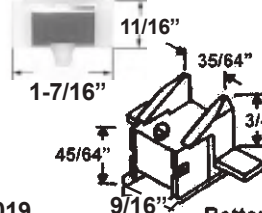


CB 5 SERIES

Channel Balance
9/16" channel width

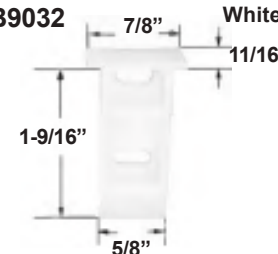
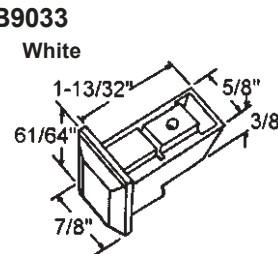
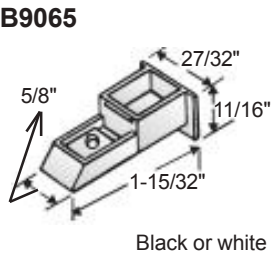
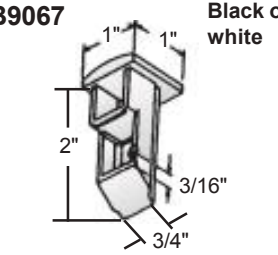
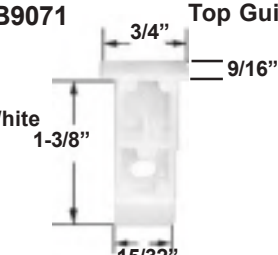
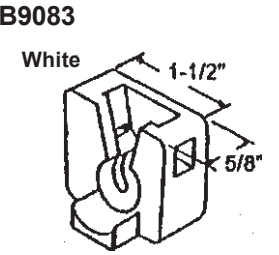
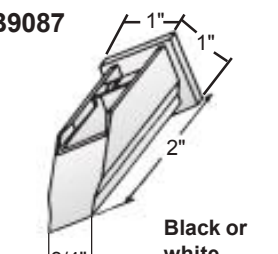
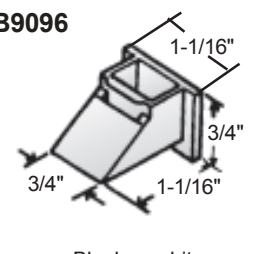
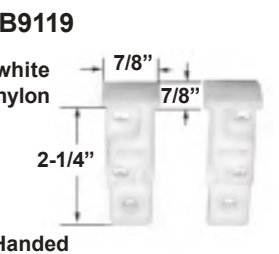
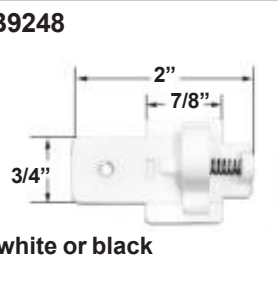
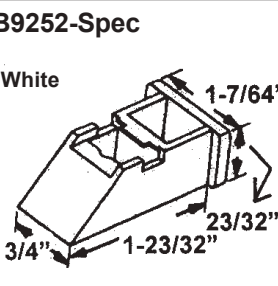
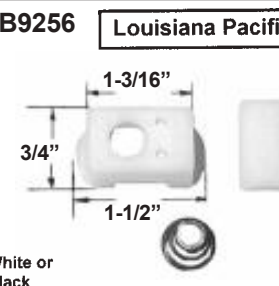
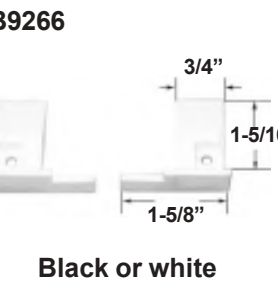
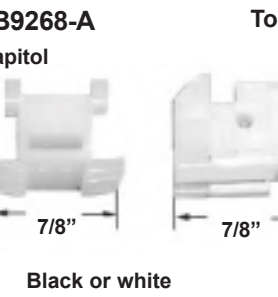
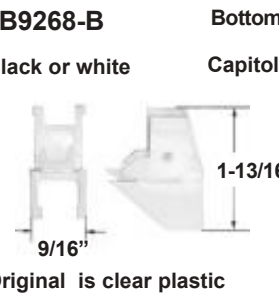

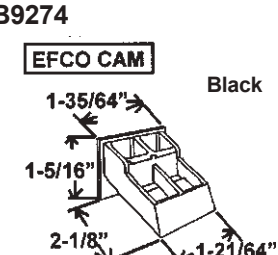
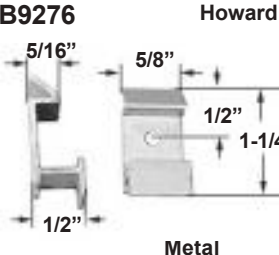


**CB 4 SERIES
CHANNEL BALANCE**



<p>CB 2 SERIES Channel Balance 9/16" channel width Non ribbed</p>  <p>Comes with CB9062 guide, as shown above.</p>	<p>CB9001-1 Capitol White</p>  <p>Top Guide</p>	<p>CB9002 Capitol White</p>  <p>Bottom</p>
<p>CB 6 SERIES Channel Balance Used in jambliners (ribbed)</p> 	<p>CB9003 Bottom</p>  <p>White</p>	<p>CB9004 Bottom</p>  <p>White</p>
	<p>CB9005 Bottom</p>  <p>White</p>	<p>CB9006 White</p>  <p>Top Guide</p>
	<p>CB9007 Crossly</p>  <p>White</p> <p>Top Guide</p>	<p>CB9012 Sash Cam</p>  <p>Black or white</p>
	<p>CB9013</p>  <p>Take Out Clip</p>	<p>CB9018</p>  <p>Black or white</p>
	<p>CB9020 Top White</p>  <p>CB9019 Bottom</p>  <p>White</p>	<p>CB9030 order CB9033</p>  <p>.160 dia. hole Hole Center - 9/16" from bottom</p> <p>White</p>

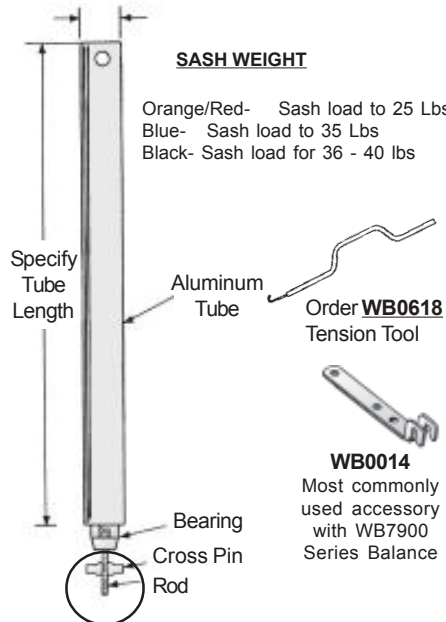
CHANNEL BALANCE ACCESSORIES

CB9032 	CB9033 White 	CB9065 
CB9067 Black or white 	CB9071 Top Guide White 	CB9083 White 
CB9087 	CB9096 	CB9119 white nylon 
CB9248 	CB9252-Spec White 	CB9256 Louisiana Pacific 
CB9266 	CB9268-A Top Capitol 	CB9268-B Bottom Black or white Capitol 
CB9270-L/R Pair White  <p>For zinc cam, order CB9270-1 For nylon pawl (brake), order CB9270-2</p>	CB9274 EFCO CAM Black 	CB9276 Howard 

WB7900 Series Tube Balance

Specify Tube Length & Bearing
Color When Ordering

Actual Diameter 9/16". Referred to as 5/8" in Trade.

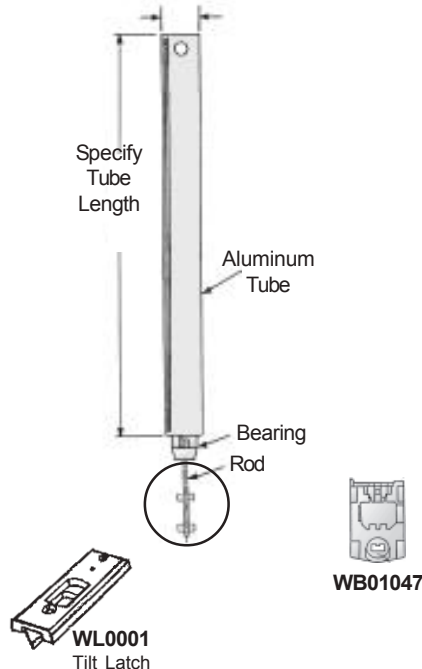


For
Double / Single Hung, Non-Tilt /
Non-Take Out Style Windows

WB79-AT Series Tube Balance

Specify Tube Length & Bearing
Color When Ordering

Actual Diameter 9/16". Referred
to as 5/8" in Trade.



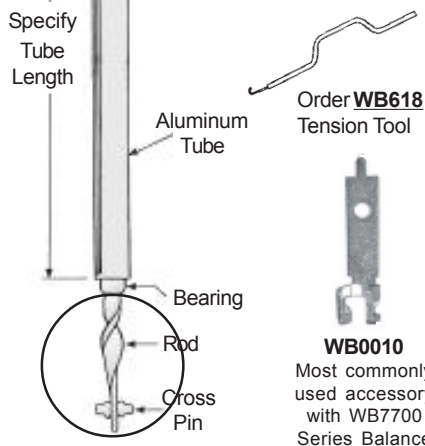
WB7700 Series Tube Balance

Specify Tube Length & Bearing
Color When Ordering

3/8" Diameter

SPECIFY BEARING COLOR

White	-	Standard
Orange/Red-		Medium
Green	-	Heavy

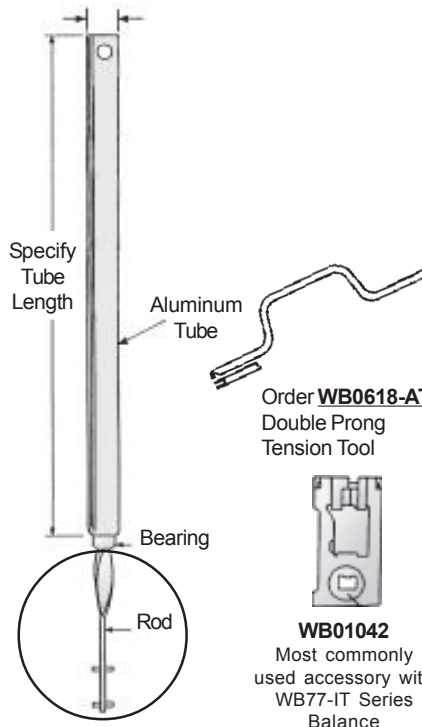


Visit us at: www.blainewindow.com

WB77-IT Series Tube Balance

Specify Tube Length & Bearing
Color When Ordering

3/8" Diameter



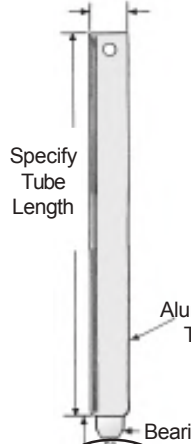
For Tilt Windows

TUBE BALANCES & ACCESSORIES

WB79-TO Series Tube Balance

Specify Tube Length & Bearing
Color When Ordering

Actual Diameter 9/16". Referred
to as 5/8" in Trade.



Three Rod Extensions

S	-	1-5/8"
R	-	2-5/8"
RR	-	3-5/8"

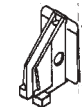
SASH WEIGHT

Orange / Red - Medium
Blue - Heavy

Aluminum
Tube



Order **WB0618**
Tension Tool



WB0213

Please specify if
required at time of
order

Specify Rod Extension
when ordering

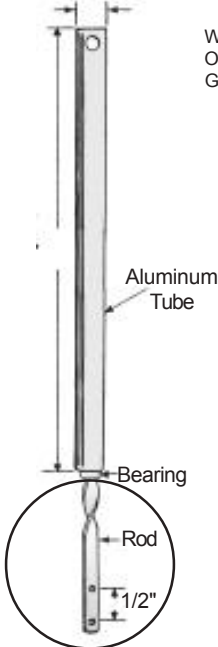
WB77-TO Series Tube Balance

Specify Tube Length & Bearing
Color When Ordering

3/8" Diameter

SPECIFY BEARING COLOR

White	-	Standard
Orange/Red	-	Medium
Green	-	Heavy



Aluminum
Tube



Order **WB0618**
Tension Tool



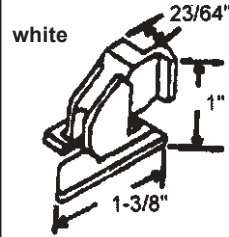
WB0202

Most commonly
used accessory
with WB7700-TO
Series Balance

Please specify if
required at time of
order

WB0002-L/R

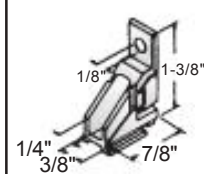
white



Cupples

WB0004

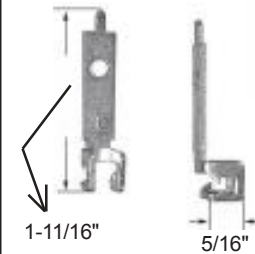
white



For version with
wire loop, order
WB0004-Spec

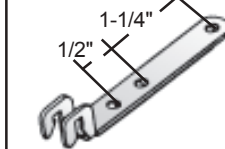
WB0010

Metal



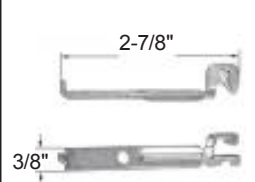
WB0014

Metal



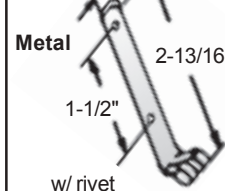
WB0018

Metal



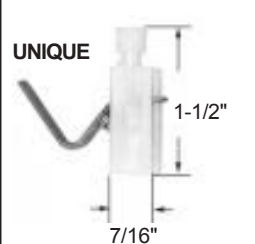
WB0411

replacement
may differ
slightly from
original



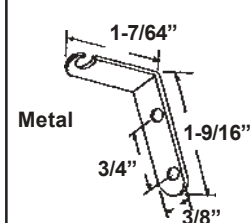
WB0436

white



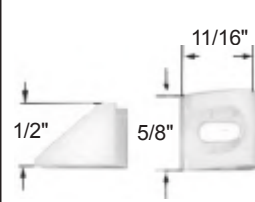
WB0500

L/R Pair



WB0616

Black or
white

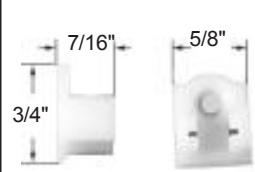


WB0618



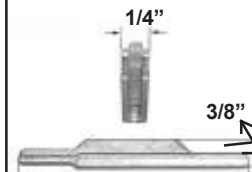
WB-618-AT

WB0627



Black or white

WB0650

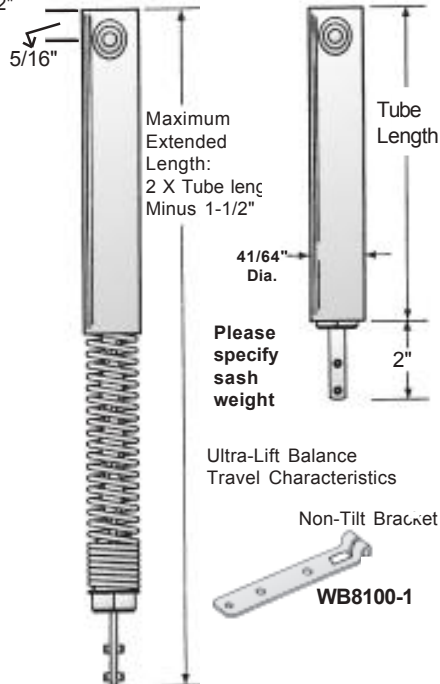


Die Cast

WB8100 ULTRA-LIFT BALANCE
(Special Order)

Makes 80-Lb Sash Easy To Lift !

30-80 lbs per pair capacity Available 20-1/2" - 60-1/2"



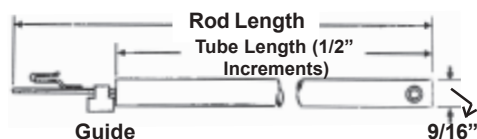
- Lifts 70% of sash weight vs AAMA's 40% minimum.
- Useable with both tilt and non-tilt windows.
- Fits most C-20 and HC-40 AAMA-Grade single and double hung windows.
- Fits most large architectural wood windows.

Call Customer Service for more details

WB7000 SERIES

5/8" PLASTIC TUBE BALANCE

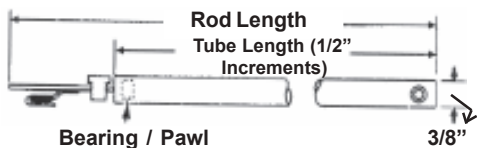
Tube diameter 9/16" but considered 5/8" in the trade



Black Tube
Standard
Gray Available

WB6000 SERIES

3/8" TUBE BALANCE



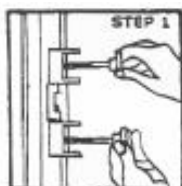
Call for information on
available lengths, special
lengths and accessories.

JAMB STRETCHER

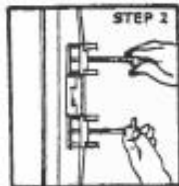
The **JAMB STRETCHER** enables you to spread a vinyl jamb pocket in order to replace balances, shoes or other components without the need to cut into the jamb or melting the vinyl with a hot air gun.

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!

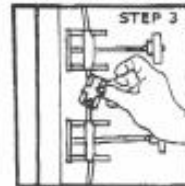
3 Easy Steps



1. Position one spreader below and one spreader above the item needing removal.



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



3. Remove / replace components

Part No. WB1449

ULTRA-LIFT®nt

A HYBRID BALANCE SYSTEM FOR HEAVY SASH 50 - 100 LBS



HIGH LIFT ASSISTANCE

MAKES HEAVY SASH EASY TO OPERATE

.670 TUBE DIAMETER

FITS MOST COMMON BALANCE POCKETS

BOOSTED FORCE CURVE

HELPS INITIATE OPENING OF SASH

CLASS 5 RATING

BALANCE LIFTS 70% OF SASH WEIGHT

LOW CARBON COATED STEEL ROD

RUST RESISTANT WITH LOW FRICTION PROPERTIES

WHITE OR GRAY PVC TUBE COVER

PROVIDES CONTAMINANT PROTECTION

TUBE BLENDS INTO WINDOW COLOR

STANDARD ROD END CONFIGURATION

COMPATIBLE WITH A WIDE RANGE OF WINDOW DESIGNS

CUSTOM BUILT AND IDENTIFIED

MAXIMUM PERFORMANCE WITH EASY INSTALLATION

ULTRA-LIFT®nt WEIGHT CAPACITY CHART

BALANCE SIZES AVAILABLE		
ULTRA-LIFT nt BALANCE NO.	TUBE LENGTH	WEIGHT RANGE (PER PAIR)
30	30.5	80 - 100 LBS
31	31.5	80 - 100 LBS
32	32.5	80 - 100 LBS
33	33.5	80 - 100 LBS
34	34.5	80 - 100 LBS
35	35.5	80 - 100 LBS
36	36.5	80 - 100 LBS
37	37.5	80 - 100 LBS
38	38.5	80 - 100 LBS
39	39.5	80 - 100 LBS
40	40.5	80 - 100 LBS
41	41.5	80 - 100 LBS
42	42.5	80 - 100 LBS
43	43.5	80 - 100 LBS
44	44.5	80 - 100 LBS
45	45.5	80 - 100 LBS
46 - 60	46.5 - 60.5	80 - 100 LBS

HOW TO ORDER:

Please use the chart above to help you in choosing the correct part to order:

1. Determine your sash weight and tube length needed.
2. Locate proper balance number utilizing the ULTRA LIFT® weight capacity chart

MEGA-LIFT™

A HYBRID BALANCE SYSTEM FOR HEAVY SASH FROM 100 - 130 LBS



**COMBINE BEST QUALITIES OF TORSION AND EXTENSION
SPRINGS**
PROVIDES EXCEPTIONAL OPERATING CHARACTERISTICS

TUBE DIAMETER OF .575
FITS MOST SIDELOAD HC/AW DESIGNS

BOOSTED FORCE CURVE
HELPS INITIATE OPENING OF SASH

CUSTOM BUILT FOR SPECIFIC APPLICATION
DELIVERS OPTIMAL OPERATING FORCE

HIGH LIFT ASSISTANCE
ALLOWS THE HEAVIEST SASH TO OPERATE EASILY

CLASS 5 RATING
BALANCE LIFTS 70% OF SASH WEIGHT

WHITE OR GRAY PVC TUBE COVER
PROVIDES CONTAMINANT PROTECTION
TUBE BLENDS INTO WINDOW COLOR



WEIGHT RANGES: 100 - 130 LBS
LENGTHS: 30 - 60 INCHES
AAMA 902-07 CLASS 5
VERIFIED COMPONENT

MEGA-LIFT WEIGHT CAPACITY CHART

BALANCE SIZES AVAILABLE		
MEGA-LIFT BALANCE NO.	TUBE LENGTH	WEIGHT RANGE (PER PAIR)
30	29.5	100 - 130 LBS
31	30.5	100 - 130 LBS
32	31.5	100 - 130 LBS
33	32.5	100 - 130 LBS
34	33.5	100 - 130 LBS
35	34.5	100 - 130 LBS
36	35.5	100 - 130 LBS
37	36.5	100 - 130 LBS
38	37.5	100 - 130 LBS
39	38.5	100 - 130 LBS
40	39.5	100 - 130 LBS
41	40.5	100 - 130 LBS
42	41.5	100 - 130 LBS
43	42.5	100 - 130 LBS
44	43.5	100 - 130 LBS
45	44.5	100 - 130 LBS
46 - 60	45.5 - 59.5	100 - 130 LBS

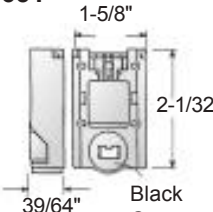
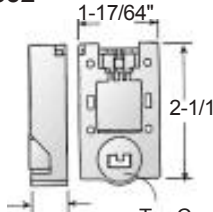
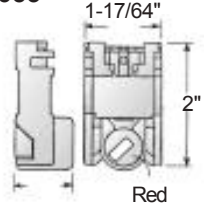
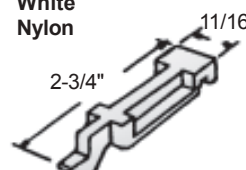
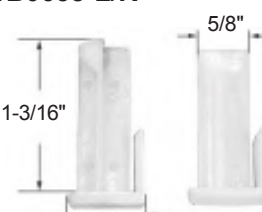
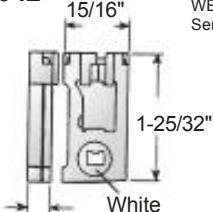
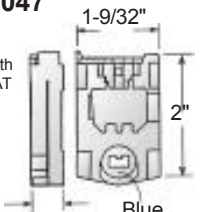
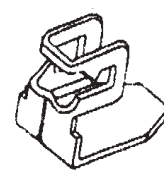
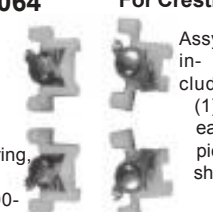
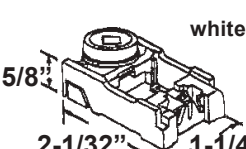
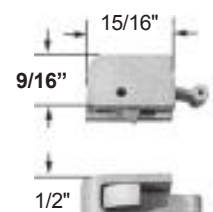
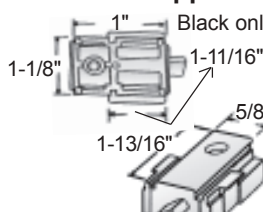
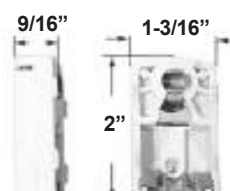
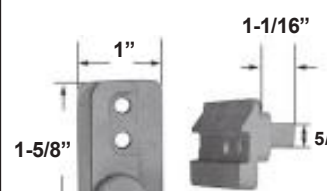




HOW TO ORDER:


Please use the chart above to help you in choosing the correct part to order.

1. Determine your sash weight and tube length needed.
2. Locate proper balance number utilizing the ULTRA LIFT® weight capacity chart.

** Consult with Caldwell Engineering to verify accessory capability.**

TUBE BALANCE ACCESSORIES

WB0651  1-5/8" 2-1/32" 39/64" Black Cam	WB0652  1-17/64" 2-1/16" 35/64" Tan Cam	WB0653  1-17/64" 2" Red Cam
WB0657 Plunger White Nylon  11/16" 2-3/4"	WB0658-L/R Anti draft block  1-3/16" 5/8" 15/16" Black or white	WB1042 Used with WB77-IT Series  15/16" 1-25/32" 11/32" White Cam
WB1047 Used with WB79-AT Series  1-9/32" 2" 17/32" Blue Cam	WB1062 Metal 	WB1064 For Crestline  Assy includes (1) of each piece shown 30" spring, order WB7500-Spring-30 & cut to size Metal
WB1067 Replaces Thermal-Gard white  5/8" 2-1/32" 1-1/4"	WB1073 3 pc. foot assembly  15/16" 9/16" 1/2" Cast zinc replacement	WB1083-L/R-Upper  1" Black only 1-1/8" 1-11/16" 5/8" 1-13/16" WB-1083-L/R-Lower
WB1111  9/16" 1-3/16" 2" with cast zinc cam	WB1122 L/R Pair  1" 1-1/16" 1-5/8" 5/16" Cast Zinc	WB1299 Metal L/R Pair  3/8" 5/16" 3/4" 2-1/8"
WB1317 Cast Zinc  5/32" 1/4" 3-3/16" 1"	WB1315 Cast Zinc  1-3/8" 1/4" 1-3/8"	WB8100-1 Metal  9/16" 1-3/8" 5/8" 3-13/16" Non tilt bracket for WB8100 Ultra lift



WB7500 SERIES
REPLACEMENT ALUMINUM WINDOW CHANNELS

**For Wood Double Hung Window
With 1-3/8" Sash**

Replace old style tubular balances or rope and pulley. Designed for 1-3/8" sash. One piece jamb strip reduces air infiltration. Baked-on white enamel finish, metal "T" hangers and flocked springs. Use (1) pair to repair (1) double hung window. See chart at right.


TO ORDER:

Measure overall window height of window opening and / or glass height of sash only. Select from chart at right.

Mill Finish Only

**Absolute maximum
sash weight: 26 lbs.**

**Replacement Metal "T"
Hanger, included with
jambliner**



WB7517

Part Number	Window Height	Glass Height
WB-7501	2'2"	10"
WB-7502	2'6"	12"
WB-7503	2'10"	14"
WB-7504	3'2"	16"
WB-7505	3'6"	18"
WB-7506	3'10"	20"
WB-7507	4'2"	22"
WB-7508	4'6"	24"
WB-7509	4'10"	26"
WB-7510	5'2"	28"
WB-7511	5'6"	30"
WB-7512	5'10"	32"
WB-7513	6'2"	34"
WB-7514	6'6"	36"
WB-7515	6'10"	38"
WB-7516	7'2"	40"

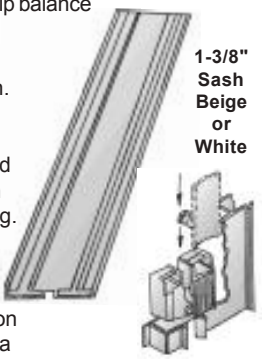
Caution: Our jambliners are cut 14 degrees on sill end.

WB7300 Series Tilt Liner was developed to provide a durable, trouble-free removable weatherstrip balance for single glazed windows.

The Liner
Rigid PVC with flex-leaf open construction. The sash is held in place solidly yet the individual leaves will move out of the way to allow for tilting. Springs are concealed and protected. Spring noise is eliminated with a sound deadener attached to each spring.

Backing Foam
Advanced foam with a closed cell edge is standard. The foam acts as a compression spring with the closed cell edge providing a superior air and water seal.

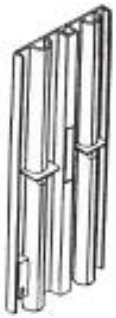
Note: Our jambliners are cut at approximately a 14 degree angle.



**1-3/8" Sash
Beige or White**

Part Number	Glass Height	Opening Height
WB-7300	12"	2'6"
WB-7301	14"	2'10"
WB-7302	16"	3'2"
WB-7303	18"	3'6"
WB-7304	20"	3'10"
WB-7305	22"	4'2"
WB-7306	24"	4'6"
WB-7307	26"	4'10"
WB-7308	28"	5'2"
WB-7309	30"	5'6"
WB-7310	32"	5'10"
WB-7311	34"	6'2"
WB-7312	36"	6'6"

The Carrier System
Simple and durable. Large one piece carriers provide easy sash installation and insure proper balancing with self-adjusting friction. Large mushroom sash pins capture the carriers to eliminate carrier fly-up.



**WB7200 SERIES*
Non-Tilt**

FOR INSULATED GLASS WITH 1-3/8" OR 1-1/4" SASH

Beige

Repair and upgrade old windows with an energy efficient vinyl or metal jambliner. These jambliners replace old tubular style balances or rope and pulley systems.


Other Sizes Available

Standard 14 degree miter cut

- Rigid Vinyl Weatherstrip
- Continuous Tube Cover
- Friction Platform
- Speed Lok Stops
- Sound Deadener
- Dust And Air Plug

1-3/8" Sash	1-1/4" Sash	Glass Height	Opening Height
WB7204-058	WB7204-A-058	18"	3'6"
WB7205-058	WB7205-A-058	20"	3'10"
WB7206-058	WB7206-A-058	22"	4'2"
WB7207-058	WB7207-A-058	24"	4'6"
WB7208-058	WB7208-A-058	26"	4'10"
WB7209-058	WB7209-A-058	28"	5'2"
WB7210-058	WB7210-A-058	30"	5'6"
WB7211-058	WB7211-A-058	32"	5'10"
WB7212-058	WB7212-A-058	34"	6'2"
WB7213-058	WB7213-A-058	36"	6'6"

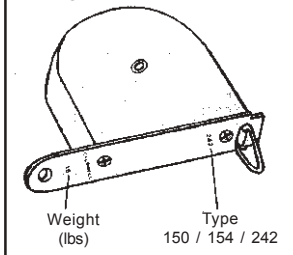
**Maximum sash
weight: 26 lbs.**



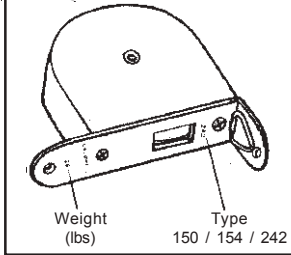
**WB7200 Series-Non Tilt
Insulating Glass**

CALDWELL

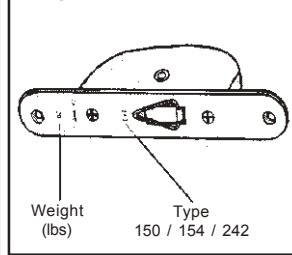
FT Style



AT Style



S Style



Weight factor based on one (1) pair

HOW TO ORDER:

1. Identify style by above drawings: FT, AT or S.
2. Identify type (type number will be stamped on the face plate).
In some cases, you may need to scrape off paint or dirt to locate the type number.

Acme - Duplex Tape Balances also available. Please inquire.

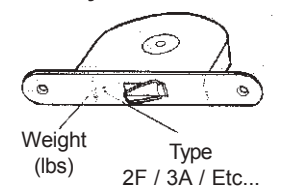
3. Identify weight (weight number will be stamped on the face plate).
4. Measure tape travel (length) for new or replacement tape balance.

Other Caldwell sash balances, not described on this page, have been developed for specific purposes, special windows or other devices and can be special ordered. Please send samples, or details, to our Customer Service Department.

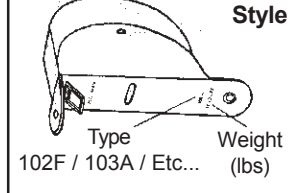
Face Plate Length

FT Style		AT Style		S Style	
150-FT	5-1/8"	150-AT	4-11/16"	150-S	6"
154-FT	5-13/16"	154-AT	5-15/32"	154-S	7"
242-FT	4-11/16"	242-AT	4-5/16"	242-S	5-5/8"

Side Style



Overhead Style



Face Plate Length

Side Style		Overhead Style	
F	4-3/8"	F	3-3/8"
A	6"	A	4-11/16"
L	7-7/16"	L	5-7/8"
M	8-3/4"	M	7-1/4"

Weight factor based on one (1) pair

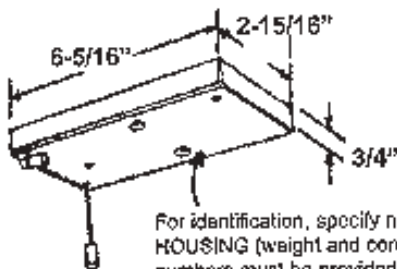
HOW TO ORDER:

1. Identify style by above drawings: Side Style or Overhead Style.
2. Identify type (type number will be stamped on the face plate).
In some cases, you may need to scrape off paint or dirt to locate the type number.
3. Identify weight (weight number will be stamped on the face plate).
4. Measure tape travel (length) for new or replacement tape balance.

Andersen®

PERMA-SHIELD or PRIMED NARROWLINE® WINDOWS
Replacement Counter Balances

PART NO. 07489



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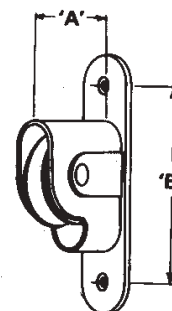
Constructed with solid brass, 1/8" thick face plate, ball bearing solid brass wheel, & stamped steel housing.



Model	Face Plate Width	Face Plate Length	Mount Hole Centers
00571-A	1.250" (1-1/4")	6.390" (6-25/34")	5.187" (5-3/16")
00571-B	1.250" (1-1/4")	5.578" (5-37/64")	4.500" (4-1/2")
00571-C	1.125" (1-1/8")	5.437" (5-7/16")	4.375" (4-3/8")
00571-D	1.093" (1-3/32")	4.937" (4-15/16")	4.000" (4")

Constructed with cast housing and wheel, steel axle and operating with chain or rope.
Available in red bronze and nickel bronze.

	Face Size	Wheel Diameter	Sash Weight	'A' Dimension	'B' Dimension
00571-A	1-1/4" x 6-1/2"	3"	50-200 lbs.	2-1/4"	5-3/16"
00571-B	1-1/4" x 5-3/4"	2-1/2"	30-50 lbs.	2"	4-1/2"
00571-C	1-1/8" x 5-1/2"	2"	20-40 lbs.	1-3/4"	4-3/8"
00571-D	1" x 5"	2-1/4"	20-40 lbs.	1-5/8"	4"
00571-E	1" x 4-5/8"	2"	1-20 lbs.	1-1/2"	3-5/8"



Sash Weights



00571-WT-1-1/2-051
2-1/2" high

00571-WT-2-051
3-1/4" high

00571-WT-8-051
15-1/2" high
adjustable from 4 lb to 8 lb w/ option of adding 00571-WT-8 lb Add On

•Available in 1-1/2 lb, 2 lbs & 8 lbs

•Designed to be stacked in combination to achieve desired weight.



Sash Fixtures

01532-Fixtures*



•All 1532-Fixtures are packed with 25 sets per box - enough to repair 25 windows.

•25 sets = 100 ea. hooks & 100 ea. spirals

*fixtures only work with sash chain, sold separately.

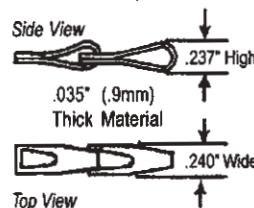


Sash Chain

01532-Chain

- Copper dipped steel
- 100 ft. in box
- Max. work load - 75 lbs.

Sash fixtures, shown below, sold separately

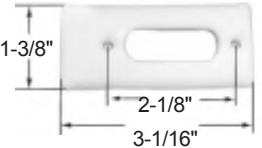
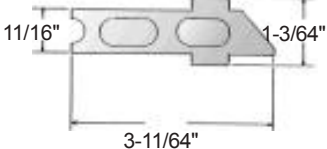
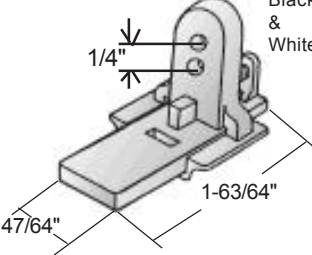
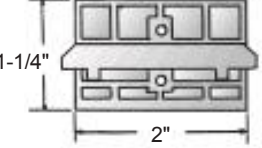
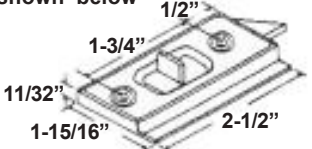
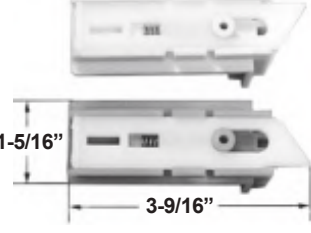
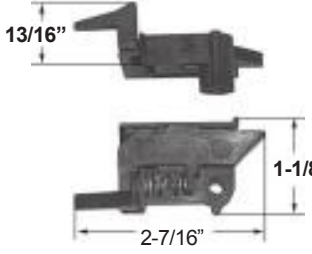
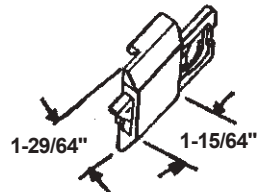
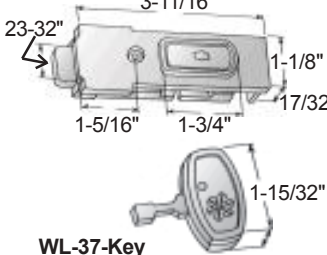
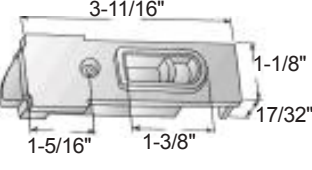
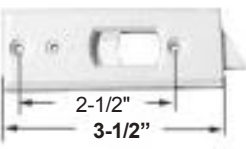
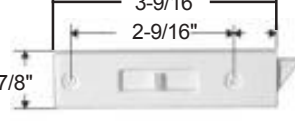
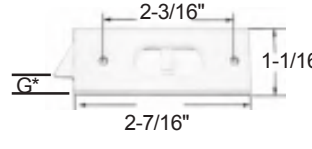


01532-Cord

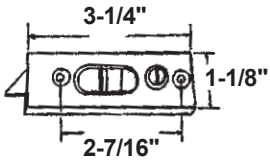
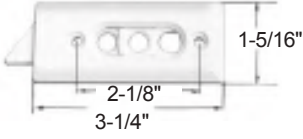
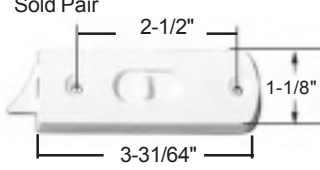
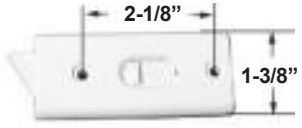
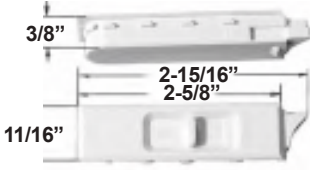
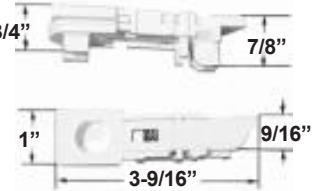
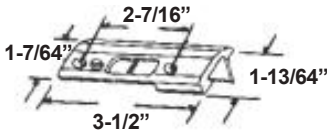
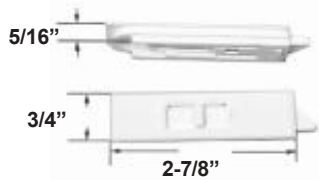
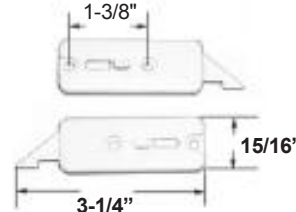
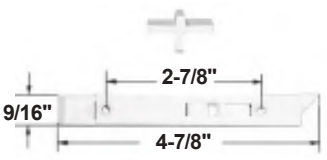
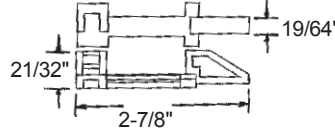

- Nylon sash cord #7
- 7/32" Nylon
- 100 ft. in box

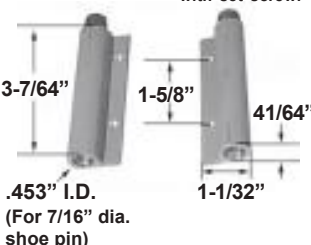
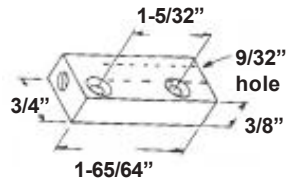
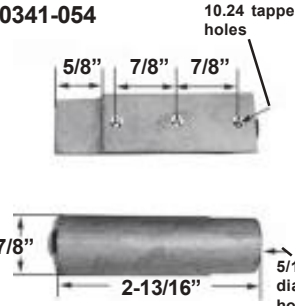
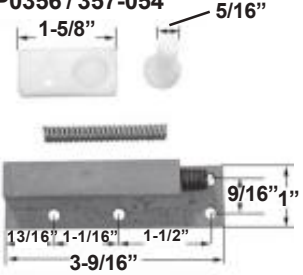
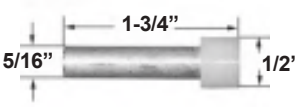
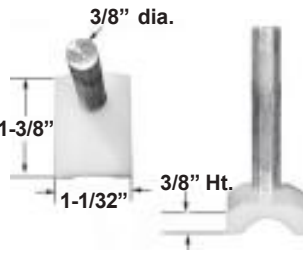
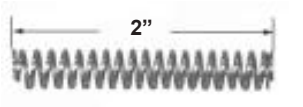
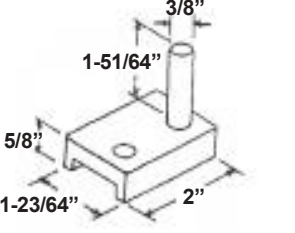
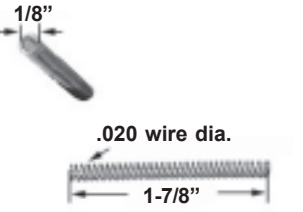
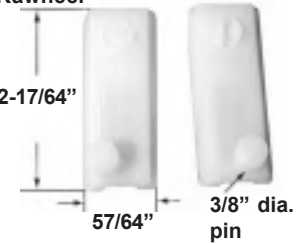
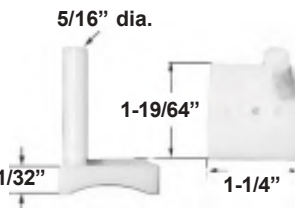
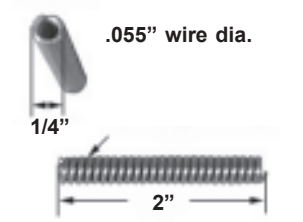

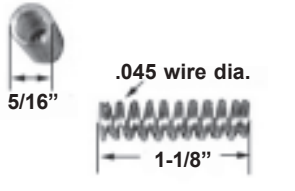
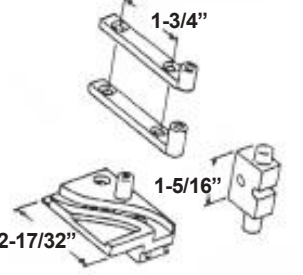
TILT LATCHES

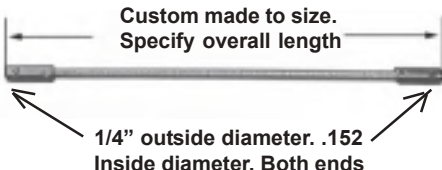
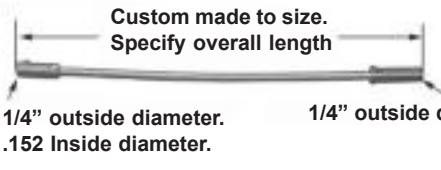
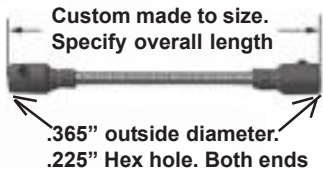

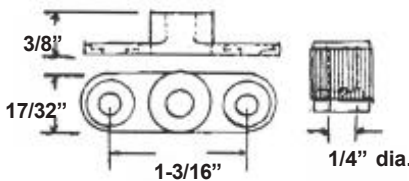
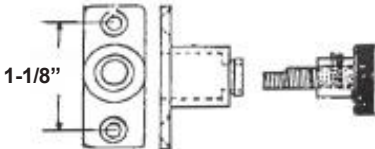

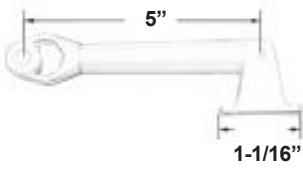




<p>WL0001-L/R</p> <p>Colors: black, cocoa, white</p> <p>Obsolete. Order WL-1</p>	<p>WL0002-L/R</p> <p>Available in black & white</p>	<p>WL0003-L/R</p> <p>L/R PAIR Black or white</p>
<p>WL0005 Acorn</p> <p>Sold Each</p> <p>Black</p>	<p>WL0006-L/R</p> <p>Quaker</p> <p>L/R PAIR</p> <p>Black & white</p>	<p>WL0007-L/R</p> <p>ACORN WINDOWS & DOORS</p> <p>L/R PAIR Black</p> <p>Black only</p>
<p>WL0008-L/R</p>	<p>WL0009-L/R Reynolds Black only</p>	<p>WL0015</p> <p>Zinc cast replacement</p>
<p>WL0016</p> <p>Available in black & white</p>	<p>WL0017-L/R Reynolds</p>	<p>WL0019-L/R</p>

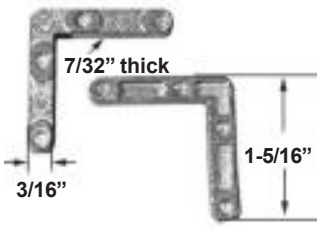


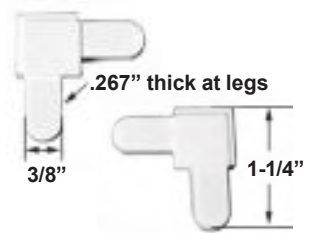
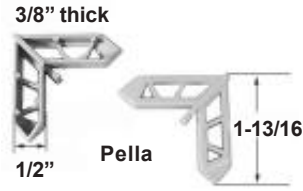
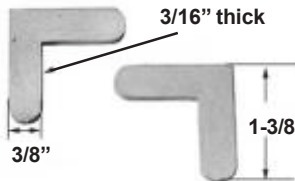
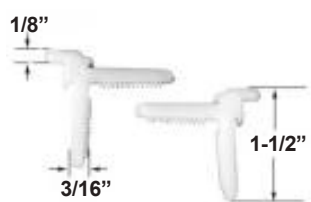
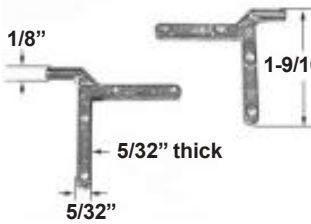
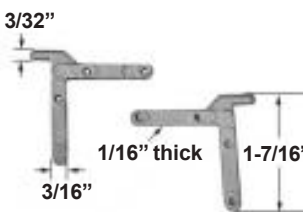
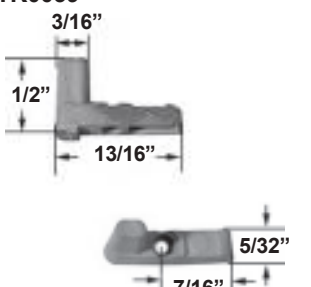
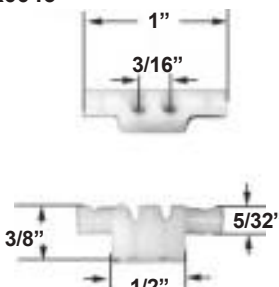

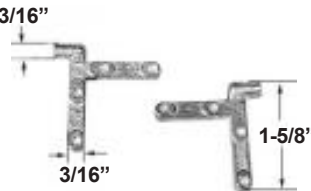
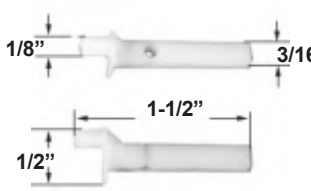
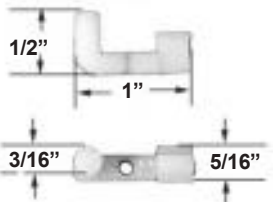
<p>WL0020</p> <p>Sold Each</p>  <p>Available in black or white For inside latch, order WL0023</p>	<p>WL0027</p> <p>Zinc Cast Replacement with springs</p> 	<p>WL0029-L/R</p> <p>Black & White</p> 
<p>WL0030-New-L/R</p>  <p>OBSOLETE - L/R Replacement shown below</p> 	<p>WL0031-L/R White</p>  <p>For thumb grip, order WL-31-Gripper</p>	<p>WL0032-L/R Acorn Black</p> 
<p>WL0033-L/R</p> <p>L/R PAIR Keller</p> 	<p>WL0037 Black</p>  <p>WL-37-Key</p>	<p>WL0038-L/R Black</p> 
<p>WL0039</p> <p>White</p> 	<p>WL0044-A, C</p>  <p>A = w/o Latch Lock, w/ Flat Bottom C = w/ Latch Lock, w/ Flat Bottom</p> <p>Sold as pair</p>	<p>WL0046/WL0047-L/R</p> <p>White</p>  <p>Sold Pair</p> <p>*WL-46 - G = 19/64" *WL-47 - G = .305"</p>

TILT LATCHES

<p>WL0048-L/R</p> <p>black or white</p>  <p>Sold as pair</p>	<p>WL0050-A</p> <p>Sold Pair White</p>  <p>WL-50-A* w/ Flat Bottom</p>	<p>WL0054-A-L/R-067 WL0054-B-L/R-067</p> <p>Sold Pair</p>  <p>White</p> <p>WL-54A* w/ .125" Bottom Hole Post, w/o Lock</p> <p>WL-54B* w/ flat Bottom, w/o Lock</p>
<p>WL0061* WL0064*</p> <p>Sold Pair White</p>  <p>WL-61* w/ Flat Bottom, w/ 3/16" Latch Height</p> <p>WL-64* w/ 11/32" Bottom Hole Post, w/ 3/16" Latch Height</p>	<p>WL0065-L/R</p>  <p>Beige</p>	<p>WL0067-L/R</p> <p>White</p> 
<p>WL0097</p> <p>Black</p>  <p>Left / Right Pair</p>	<p>WL0104-L</p> <p>LH shown</p>  <p>white</p> <p>Sold Each Left hand Shown. For Right Hand, order WL0104-R</p>	<p>WL0112-L/R</p>  <p>Black or white</p>
<p>WL0120</p> <p>White</p>  <p>Sold as pair</p>	<p>WL0138</p>  <p>L/R Pair Cast Zinc Replacement</p>	<p>004429- L/R</p> <p>Sold L/R Pair</p>  <p>Available in black or white</p> <p>2 pc nylon w/ compression spring</p>

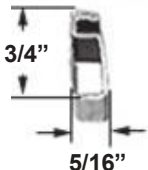
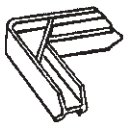
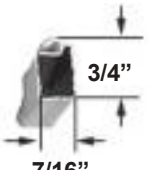

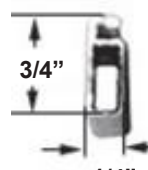

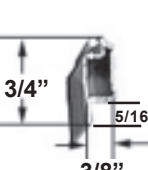

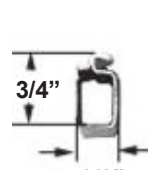

<p>P0071-L/R-Long Cast zinc replaces original aluminum. Comes with set screw.</p>  <p>3-7/64" 1-5/8" 41/64" 1-1/32" .453" I.D. (For 7/16" dia. shoe pin)</p>	<p>P0207-L/R</p>  <p>1-5/32" 3/4" 1-65/64" 9/32" hole 3/8"</p> <p>L/R Pair Set Screws Included</p>	<p>P0341-054</p>  <p>10.24 tapped holes 5/8" 7/8" 7/8" 7/8" 2-13/16" 5/16" dia. hole</p>
<p>P0356 / 357-054</p>  <p>1-5/8" 5/16" 9/16" 13/16" 1-1/16" 1-1/2" 3-9/16"</p> <p>For nylon shoe & pin only, order P0060-Orig-058</p>	<p>P0035</p>  <p>5/16" 1-3/4" 1/2"</p>	<p>P0070-L/R</p>  <p>3/8" dia. 1-3/8" 1-1/32" 3/8" Ht.</p>
<p>P0081</p>  <p>2" 5/16" diameter</p>	<p>P0086 L/R Pair</p>  <p>3/8" 1-51/64" 5/8" 1-23/64" 2"</p> <p>Nylon with aluminum pin</p>	<p>P0120</p>  <p>1/8" .020 wire dia. 1-7/8"</p>
<p>P0171-L/R Sold as pair Kawneer</p>  <p>2-17/64" 57/64" 3/8" dia. pin</p> <p>For brkt w/ arm, order P0171-2-050</p>	<p>P0201-L/R Sold as pair</p>  <p>5/16" dia. 1-19/64" 11/32" 1-1/4"</p>	<p>P0273</p>  <p>.055" wire dia. 1/4" 2"</p>
<p>P0277</p>  <p>5/16" dia. 1-13/64" 13/32" Ht. 1-1/4"</p>	<p>P0311</p>  <p>5/16" .045 wire dia. 1-1/8"</p>	<p>P0395-L/R</p>  <p>1-3/4" 1-5/16" 2-17/32" (10) piece assembly</p>

<div>VB0020</div> <div></div>	<div>VB0021</div> <div></div>	
<div>VB0022</div> <div></div>	<div>VB0043</div> <div></div>	
<div>VB0049</div> <div><div>Cast zinc replacement (orig. was black nylon)</div></div>	<div>VB0063-Knob/Base</div> <div><div>Cast zinc metal replacement black finish</div></div>	
<div>DR0003</div> <div></div>	<div>DR0020</div> <div></div>	<div>DR0022</div> <div></div>
<div>DR0041</div> <div><div>7/16" diam- eter</div></div>	<div>DR0042</div> <div><div>Sold with or without rollers</div><div>7/16" diameter wheel</div></div>	<div>DR0060-L/R</div> <div><div>Steel</div><div>Sold L/R</div></div>

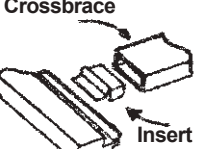
<p>CK0023</p> 	<p>CK0028</p> 	<p>CK0065</p> 
<p>CK0094</p>  <p>Black, Gray or White</p>	<p>CK0098</p>  <p>Bronze, Champagne or White</p>	<p>CK0189</p> 
<p>TK0012</p> <p>Order TK0156-058</p> 	<p>TK0016</p> 	<p>TK0023</p> 
<p>TK0039</p> 	<p>TK0046</p> 	<p>TK0049</p> 
<p>TK0054</p> <p>Order TK0167-054</p> 	<p>TK0057</p> 	<p>TK0062</p> 

<p>SB0005</p>	<p>SB0006</p>	<p>SB00019 White</p>
<p>SB0021</p>	<p>SB0024</p>	<p>SB0029 Set No longer available</p>
<p>SB0032</p>	<p>SB0034 Nylon</p>	<p>SB0061</p>
<p>SB0077</p>	<p>SB0092</p>	<p>SB0105</p>
<p>SB0129</p>	<p>SB0155</p> <p>Cast Zinc Replacement</p>	<p>SB0210</p> <p>Cast Zinc</p>


SCREEN CORNERS

 <p>5/16" X 3/4"</p> <p>91007-Almond-8'-20pc* 91007-Bronze-8'-20pc* 91007-Mill-8'-20pc* 91007-White-8'-20pc*</p>	 <p>Nylon Sold Ea.</p> <p>91007-CR</p> <p>91207-CR-Almond 91207-CR-Bronze 91207-CR-Gray 91207-CR-White</p> <p>Nylon Sold Ea.</p>
 <p>7/16" X 3/4"</p> <p>91016-Almond-8'-20pc* 91016-Bronze-8'-20pc* 91016-Mill-8'-20pc* 91016-White-8'-20pc*</p>	 <p>Nylon Sold Ea.</p> <p>91016-CR</p> <p>91216-CR-Almond 91216-CR-Bronze 91216-CR-Gray 91216-CR-White</p> <p>Nylon Sold Ea.</p>
 <p>1/4" X 3/4"</p> <p>91021-Almond-8'-20pc* 91021-Bronze-8'-20pc* 91021-Mill-8'-20pc* 91021-White-8'-20pc*</p>	 <p>Nylon Sold Ea.</p> <p>91021-CR</p> <p>91221-CR-Bronze 91221-CR-Gray 91221-CR-White</p> <p>Nylon Sold Ea.</p>
 <p>3/8" X 3/4"</p> <p>91052-Almond-8'-20pc* 91052-Bronze-8'-20pc* 91052-Mill-8'-20pc* 91052-White-8'-20pc*</p>	 <p>Nylon Sold Ea.</p> <p>91088-CR</p> <p>All roll formed frames are sold in 8 ft. lengths, packed 20 per tube.</p>
 <p>3/8" X 3/4"</p> <p>91088-Almond-8'-20pc* 91088-Bronze-8'-20pc* 91088-Mill-8'-20pc* 91088-White-8'-20pc*</p>	 <p>Nylon Sold Ea.</p> <p>91088-CR</p> <p>91288-CR-Almond 91288-CR-Bronze 91288-CR-Gray 91288-CR-White</p> <p>Nylon Sold Ea.</p>

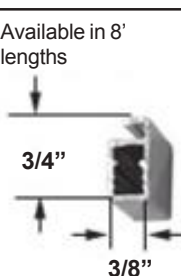
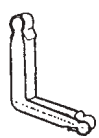
Order **91301-Insert-040** for spreader bar.

Crossbrace	
 <p>Crossbrace Insert</p>	<p>(2) needed per bar.</p> <p>Crossbrace Insert 91301-Insert-040</p>









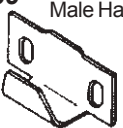
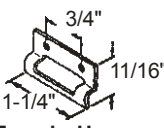
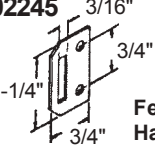


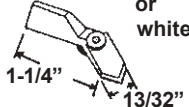
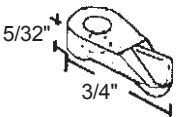
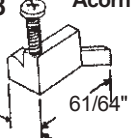
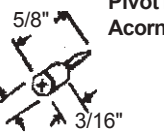

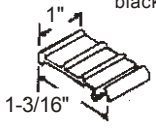
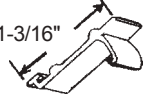
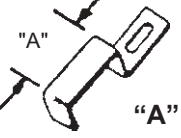
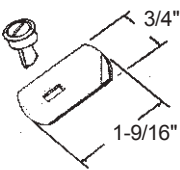
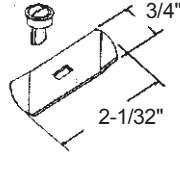
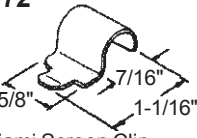


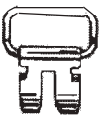
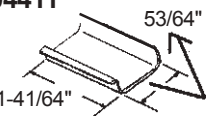

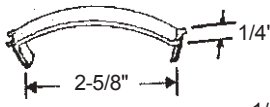
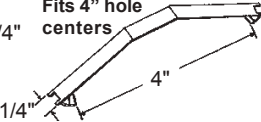
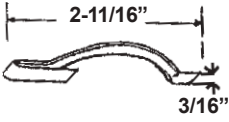
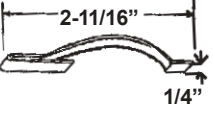
Fits 5/16" X 5/8" Crossbrace

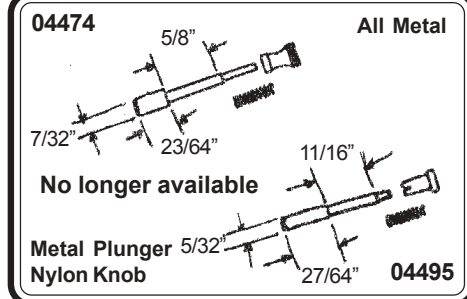
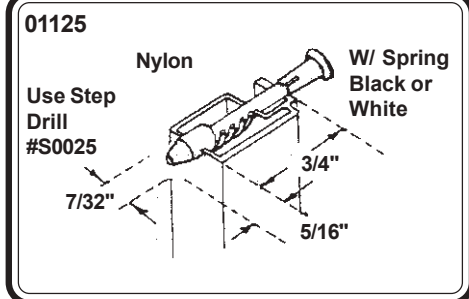
Crossbrace	
 <p>7/16" 11/16" 1/4"</p>	<p>91301-Almond-8'-20pc 91301-Bronze-8'-20pc 91301-Mill-8'-20pc 91301-White-8'-20pc</p>

Internal Mitred Corner

<p>Available in 8' lengths</p>  <p>3/8" X 3/4"</p> <p>91003-8'-Black 91003-8'-Bronze 91003-8'-White</p> <p>3/4" 3/8"</p> <p>Superior strength and rigidity for commercial and institutional use.</p>	<p>91003-CR</p>  <p>Die Cast</p> <p>Die Cast Mitred Corner 91003-CR</p> <p>5/16" x 5/8" Crossbrace</p> <p>SS-140 spline recommended for all Blaine screen frames.</p> <p>If spreader bar (crossbrace - 5/16" x 5/8" x 8') needed, order 91301 in Mill, White, Bronze or Almond.</p>
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Visit us at: www.blainewindow.com

<p>01116</p>  <p>3/8"</p> <p>Slide Latch</p>	<p>01131</p>  <p>5/8"</p> <p>Slide Latch</p>	<p>02285</p>  <p>Specify Handing- Right Hand Shown</p> <p>Knife Latch</p>	<p>08900-L/R</p>  <p>Andersen</p>
<p>04445</p>  <p>Sold L/R Pair</p> <p>Swivel Latch</p>	<p>01123</p>  <p>5/16"</p> <p>Order 2288, at right</p> <p>Friction Hanger</p>	<p>02263</p>  <p>7/16"</p> <p>Friction Hanger</p>	<p>02288</p>  <p>3/8"</p> <p>Friction Hanger</p>
<p>08899</p>  <p>Male Hanger</p>	<p>01126</p>  <p>3/4" 11/16" 1-1/4"</p> <p>Female Hanger</p>	<p>02245</p>  <p>3/16" 3/4" 1-1/4" 3/4"</p> <p>Female Hanger</p>	<p>01117</p>  <p>1" 1/2" 3/8"</p> <p>Male Hanger</p>
<p>08800</p>  <p>Nylon</p> <p>Black or White</p>	<p>20284</p>  <p>black or white</p> <p>1-1/4" 13/32"</p>	<p>20023</p>  <p>Clear or white</p> <p>5/32" 3/4"</p>	<p>08808</p>  <p>Acorn</p> <p>Black or white</p> <p>35/64" 61/64"</p>
<p>08809</p>  <p>Screen Pivot Post</p> <p>Acorn</p> <p>5/8" 1/4" 3/16"</p>	<p>Cee Clips</p>  <p>"A"</p>	<p>20161</p>  <p>black</p> <p>1" 1-3/16"</p>	<p>20561-058</p>  <p>1-3/16"</p> <p>Screen Clip</p>
<p>Stretcher Clips</p>  <p>"A"</p> <p>"A"</p> <p>01186 3/4" 02261 1" 01143 11/16"</p>	<p>"A"</p> <p>08915 1/4" 01166 5/16" 01144 3/8" 01165 7/16"</p>	<p>Storm /Screen Latch For Wood</p> <div> <p>04499-Single</p>  <p>3/4" 1-9/16"</p> </div> <div> <p>04499-Double</p>  <p>3/4" 2-1/32"</p> </div> <p>Latch to fasten wood storm or screen inserts into a combination door or window frame.</p>	
<p>01172</p>  <p>7/16" 5/8" 1-1/16"</p> <p>Miami Screen Clip</p>	<p>02274</p>  <p>Flexible Nylon</p> <p>Available in Black. Order 20164 for Black & Clear</p> <p>1" Nylon Lift</p>		
<p>01122</p>  <p>Clip & Screw</p> <p>1122-1 Ball head screw only</p>	<p>08901</p>  <p>Andersen</p>	<p>04411</p>  <p>53/64" 1-41/64"</p>	<p>02212</p>  <p>Frame Tension Spring</p>
<p>02216</p>  <p>Frame Tension Springs</p> <p>2-5/8" 1/4"</p>	<p>01142</p>  <p>Fits 4" hole centers</p> <p>4" 1/4"</p>	<p>20004-Narrow</p>  <p>2-11/16" 3/16"</p>	<p>20004</p>  <p>2-11/16" 1/4"</p>



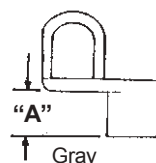
Plain Plastic Screen Clips



*M-8952 white only
*M-8956 Black or white only

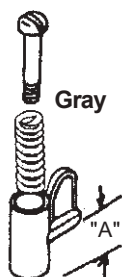
	"A"
M-8950	Flush
M-8951	1/16"
M-8952*	3/16"
M-8956*	1/4"
M-8953	5/16"
M-8954	3/8"
M-8955	7/16"

PLAIN DIE CAST SCREEN CLIPS



	"A"
08931	Flush
04467	1/16"
08868	3/16"
04428	1/4"
01124	5/16"
02206	3/8"
01120	7/16"
01153	1"
01153-1-1/8	1-1/8"

**Universal Adjustable
Clips**

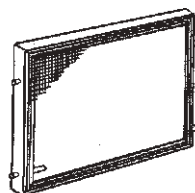


	Mat'l	"A"
01152	Nylon	Flush
04443	Nylon	1/8"
01151	Nylon	9/32"
20058	Nylon	7/16"
20059*	Nylon	19/32"
02239	Nylon	3/4"
20060	Nylon	13/16"

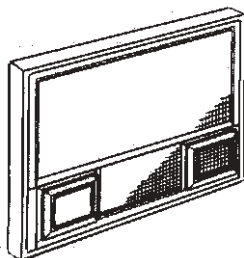
All clips, shown here, furnished with 1151-1 (10-24 x 13/16") smooth shank machine screws. Springs included where applicable. For extra screws or optional sizes, order:
1151-1 (10-24 x 13/16" machine screw), 1151-2 (#8 X 1-1/4" wood screw), 1151-3 (10-32 x 13/16 machine screw), 1151-4 (spring).

*Limited surplus of diecast still available

**Screen Worksheets
Available By
Contacting Our
Screen Department**



**FIXED
& HOPPER**

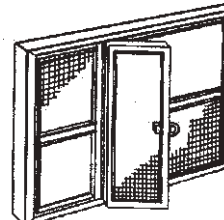


**SLIDING
WICKET**

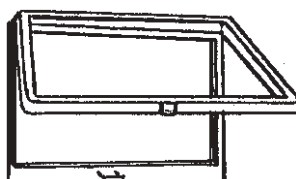
Custom screen orders require a minimum of (6) screens in any combination.

**Many Screen Styles &
Sizes Not Shown Here
Available. Please
Inquire!**

**HINGED
WICKET
HANDED**



For casement or awning window screens



- ★ Easy access to operator or handle
- ★ Hinges a full 180 degrees
- ★ Install your own matching wire
- ★ Pop rivets to screen frame
- ★ Easy snap closure latch

Dimensions:

Top width: 8-1/2"
Bottom width: 10-1/8"
Height: 6-1/8"

PLASTIC WICKETS

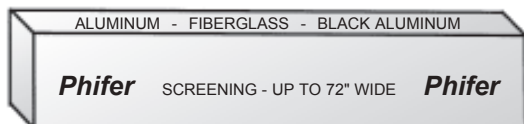
Part No.	Color
91001-Gray	Gray
91001-Bronze	Bronze
91001-White	White

ALUMINUM & FIBERGLASS MESH SCREEN WIRE

Fiberglass Screening

- 18 X 16 X .011 diameter mesh
- Will not dent, corrode or scratch
- Lightweight, yet strong. Easy to install
- Economical alternative to aluminum screening

*Quality Screening By
Phifer Wire Products*



Black Aluminum Screening

- Baked on charcoal finish reduce glare and improves visibility
- Extends life of screening
- 18 X 16 X .011 diameter mesh

Aluminum Screening

- 18 X 16 X .011 diameter mesh
- Brite-Kote exclusive dip weld finish
- Free of streaks, lays flat
- Easy to measure and fabricate



*Colors Available: Black, Gray
Widths Available: 30", 36", 48", 60"
Roll Length Available: 100'

Pet Resistant Insect Screening

- Resists damage by dogs & cats
- Excellent outward visibility
- Made of strong vinyl-coated polyester
- Easy to install

SWPS30-Black
SWPS30-Gray
SWPS36-Black
SWPS36-Gray
SWPS48-Black
SWPS48-Gray
SWPS60-Black
SWPS60-Gray



Call us for FREE sample!

TOOLS

S003A

Screen Cloth-Spline Roller

Step
Roller

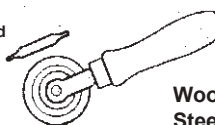


Wood Handle
Steel Roller

S0005

Screen Cloth-Spline Roller

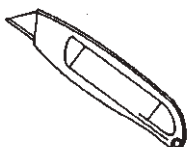
1/16"
rounded
roller



Wood Handle
Steel Roller

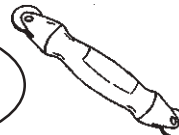
S0006

Retractable Utility Knife - Metal



M01201-N-5/8

Economy Plastic
Spline Roller



**Note: All prices, appearing
in this flyer, are subject to
change without notice.**

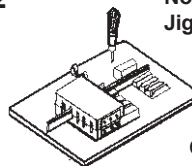
S0011

Notching Tool



S0012

Notching Tool
Jig Assembly

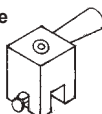


Comes with S-11,
as shown

S0023

Plunger Latch Jig

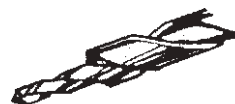
- Will not scratch frame
- Produces clean, straight holes
- Convenient & easy
- Use w/ S-25



Nylon


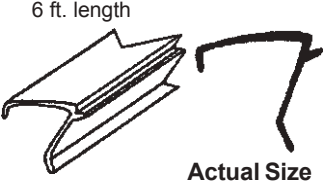
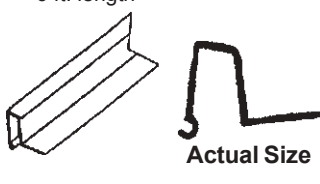
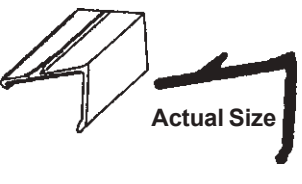
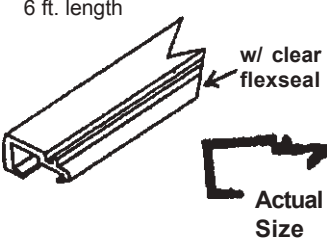
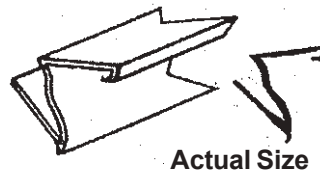
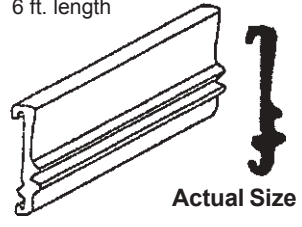
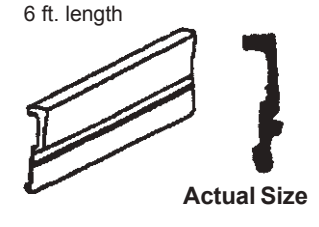
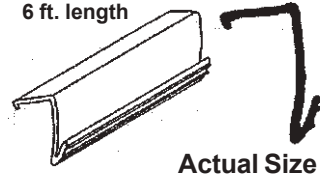
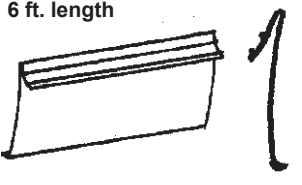
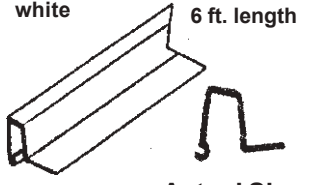
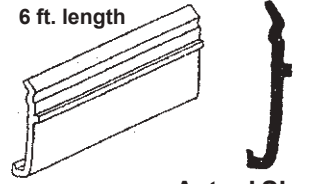
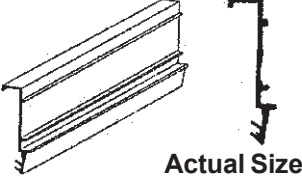

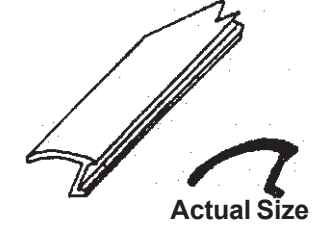
S0025

Step Drill



For plunger with to 1/8" to
7/32" tip

**GLAZING CHANNEL / GLAZING
BEAD**

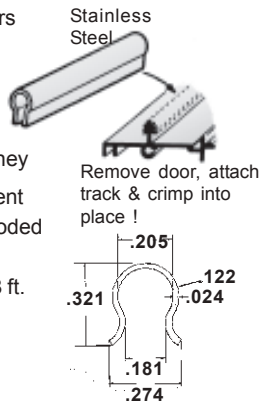
<p>GS0015 Black, Gray or White 6 ft. length</p>  <p>Actual Size</p>	<p>GS0031 Available in Bronze or white 6 ft. length</p>  <p>Actual Size</p>	<p>GS0032 Available in Bronze or white 6 ft. length</p>  <p>Actual Size</p>
<p>GS0036 Available in White 6 ft. length</p> <p>Dual Durometer</p>  <p>Actual Size</p>	<p>GS0043 Available in bronze or white 6 ft. length</p>  <p>w/ clear flexseal</p> <p>Actual Size</p>	<p>GS0052 6 ft. length</p>  <p>Actual Size</p> <p>Available in black or white</p>
<p>GS0056 Available in Black 6 ft. length</p>  <p>Actual Size</p>	<p>GS0060 Available in Bronze or White 6 ft. length</p>  <p>Actual Size</p>	<p>GS0102 Available in almond or white 6 ft. length</p>  <p>Actual Size</p>
<p>GS0107 Available in black or white 6 ft. length</p>  <p>Actual Size</p>	<p>GS0113 Available in bronze or white 6 ft. length</p>  <p>Actual Size</p>	<p>GS0120 6 ft. length</p>  <p>Actual Size</p> <p>Available in bronze or white</p>
<p>GS0136 6 ft. length Available in black or white</p>  <p>Actual Size</p>	<p>GS0158 4 ft. or 8 ft. length Available in brown, sandstone or white. All have gray back.</p>  <p>Actual Size</p>	<p>GS0886 6 ft. length</p>  <p>Actual Size</p> <p>Available in Lt. Gray or white</p>

Patio Door Track / Screen Door Grilles / Weatherstripping

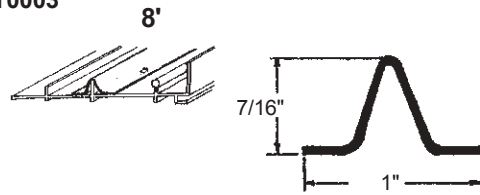
T0001

Replacement Patio Door Sill Track Cover

- Fits most track doors
- Easy to install
- Quickly replaces damaged track
- Saves time and money
- Attractive replacement for damaged or corroded track
- Available in 6 ft. & 8 ft. length

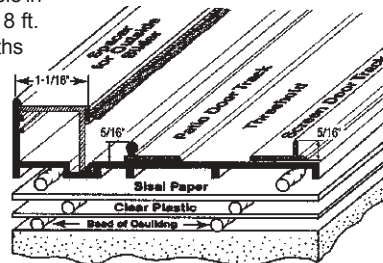


T0003



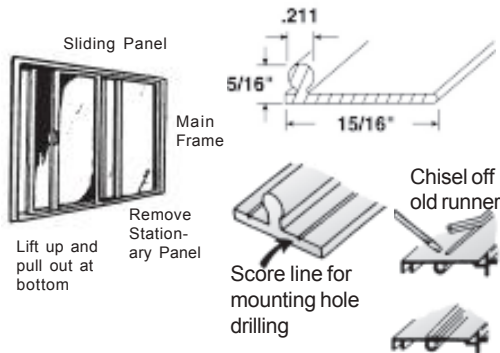
T0006 Threshold Replacements for Sliding Glass And Screen Doors

Available in 6 ft. & 8 ft. lengths

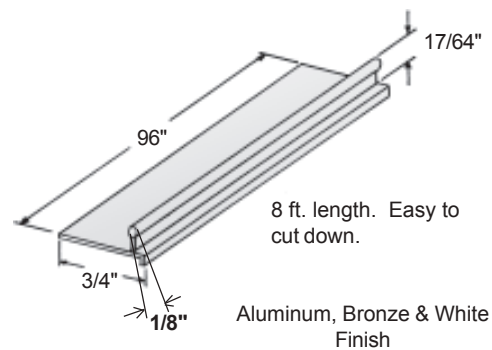


T0007

For Glass Doors



T0009



Brush Style Weatherstripping

SD0238

Specially designed to stop air, water dust and insects from entering. Silicone treated pile will not shrink, rot or absorb water and low friction sealing action allows for minimum drag during opening and closing. Can be installed around doors on top and side jamb stops where air infiltration is a particular problem. Available in aluminum and bronze finish.



Available in 3', 6' and 12' lengths

- Attractive & Functional
- Easy To Install

Sliding Screen Door Grilles

- Sizes To Fit 28-1/4" - 49-1/4" W Doors

Made of heavy duty aluminum and strong enough to protect doors from the abuse of children and pets. These grilles save time and money by eliminating the need to constantly repair screen



- PSD 1014 28-1/4" - 31-1/4"
- PSD 1015 34-1/4" - 37-1/4"
- PSD 1016 46-1/4" - 49-1/4"












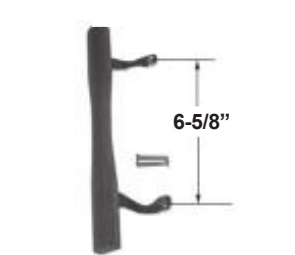
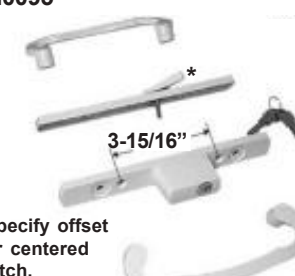
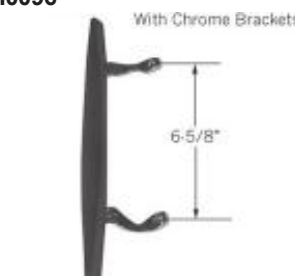
DRAFT-SEAL WEATHERSTRIPPING




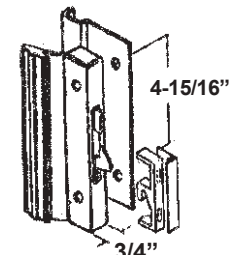
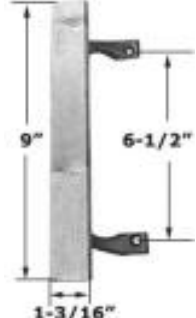

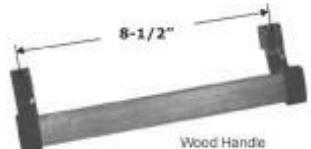


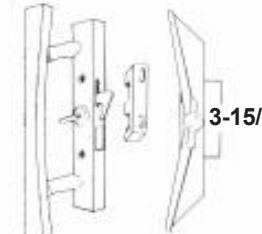

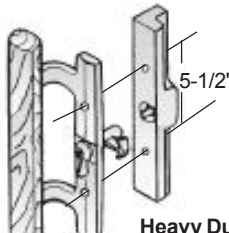

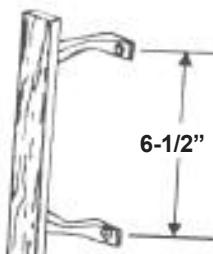

	A		B		C	
	In	mm	In	mm	In	mm
WS-7	.187	4.7	.150	4.0	.035	0.9
WS-8	.187	4.7	.190	4.0	.035	0.9
WS-9	.187	4.7	.250	6.7	.035	0.9
WS-15	.229	5.9	.260	6.7	.035	0.9
WS-16	.229	5.9	.310	7.9	.035	0.9
WS-22	.270	6.9	.170	4.0	.035	0.9
WS-24	.270	6.9	.250	6.5	.035	0.9
WS-25	.270	6.9	.310	7.9	.035	0.9
WS-26	.270	6.9	.360	9.0	.035	0.9






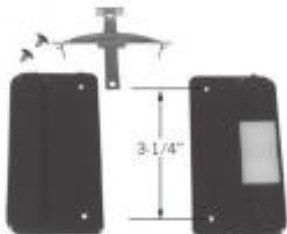

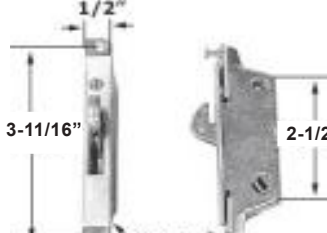
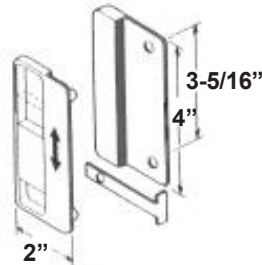
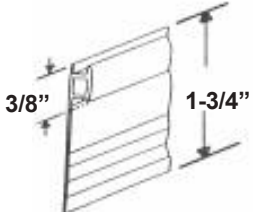


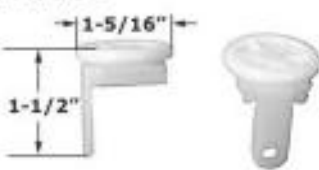
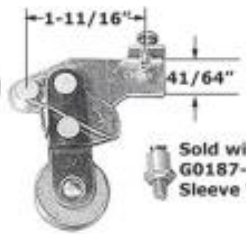

Polypropylene Backing Resists Shrinkage

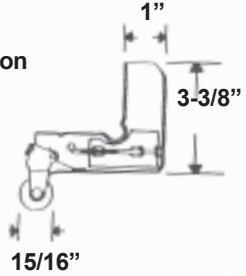
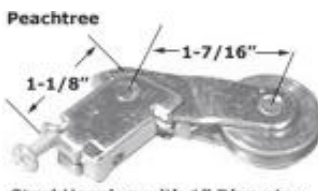
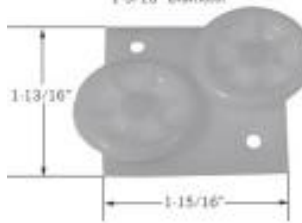






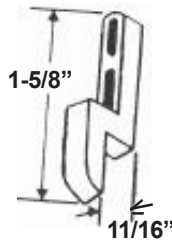
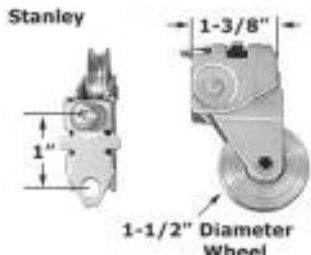
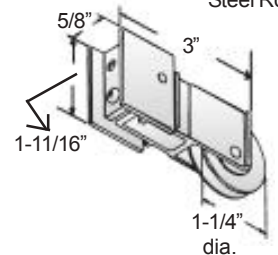

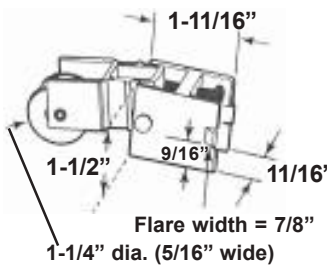
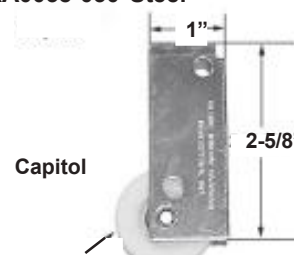

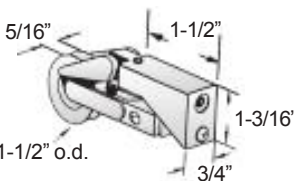
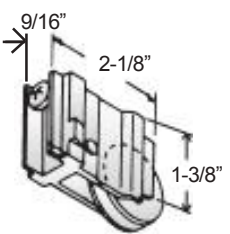
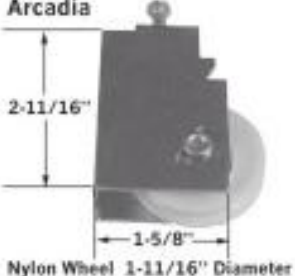
Reduces Air Infiltration
Resists Shrinkage
Exceeds AAMA Specifications

<p>H0009</p>  <p>Black Finish</p> <p>For Blaine Heavy Duty Version (Solid Foundry Cast Aluminum) With Black Texture Finish, order H0209-072 With key, order H0209-W/key-072</p>	<p>H0026</p> <p>Chrome or Black Finish</p>  <p>For optional pull handle for extra grip, order H0096-030</p> <p>Most popular flush mount keyed set used by most door manufacturers</p>	<p>H0027</p> <p>Chrome Finish</p>  <p>For optional pull handle for extra grip, order H0096-030</p> <p>Most popular flush mount set used by most door manufacturers</p>
<p>H0032</p>  <p>Black Finish</p> <p>For Keyed version order H0032-w/key-001 For Blaine Heavy Duty version (Solid foundry cast aluminum) with black texture finish, order H0232-070 With key, order H0232-w/key-072</p>	<p>H0025</p>  <p>Bright Chrome</p>	<p>H0041</p> <p>Howard</p>  <p>For Keyed Version Order: H0041-w/KEY-072 Blaine Heavy Duty Version (Solid Foundry Cast Aluminum) With Black Texture Finish Heavy Duty Also Available w/o Key Order: H0041-072</p>
<p>H0053</p> <p>Ador / Hilite</p>  <p>For Pull W/Key Order H0053-KEY For Flip Latch Repair Kit Order H0053-1 For Outside Pull Only Order H0053-2</p>	<p>H0054</p> <p>For 1" thick doors</p> <p>Chrome Finish</p>  <p>For keyed version order H0054-030-w/key For extra key cylinders only order H0054-Key-050 For 7/8" thick doors order H0054-A-030 For optional inside pull handle for extra grip order H0056-030</p>	<p>H0056</p>  <p>6-5/8" Wood Handle Can Be Cut Down To Accommodate A Center To Center Hole Spacing As Low As 3/4"</p> <p>Wood Handle With Black Finished Metal Brackets (Handle Subject To Change To Wood Grained Or Black Textured Metal Depending Upon Availability, But Can Still Be Cut Down</p>
<p>H0059</p> 	<p>H0062</p> <p>Tucker</p> <p>Dull Aluminum Finish</p>  <p>LH Shown. Specify Left or Right Hand</p>	<p>H0080</p> <p>Deluxe Wood Handle With Chrome Brackets</p> 
<p>H0095</p>  <p>*Specify offset or centered latch. Offset shown</p>	<p>Fits 1-1/2" Thick Door w/Key order: H0095-1-1/2-003-w/key (brass) H0095-1-1/2-031 w/key (satin chrome) H0095-1-1/2-067-w/key (white) w/o Key order: H0095-1-1/2-003-w/o key (brass) H0095-1-1/2-031 w/o key (satin chrome) H0095-1-1/2-067-w/o key (white) w/Key order: Fits 3/4" Thick Door H0095-1-3/4-003-w/key (brass) H0095-1-3/4-031 w/key (satin chrome)</p>	<p>H0096</p> <p>With Chrome Brackets</p> 


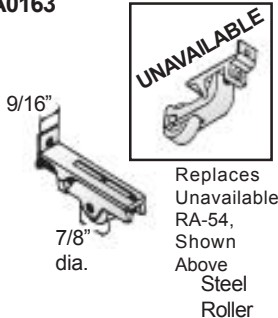
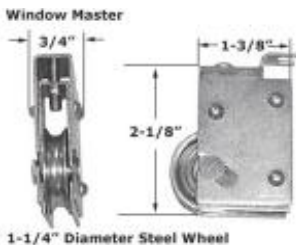


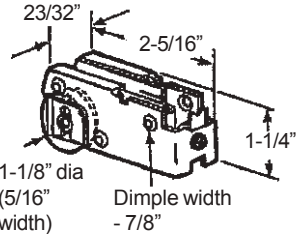
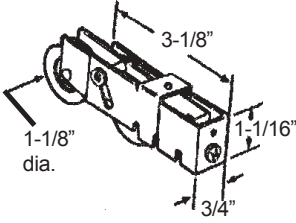

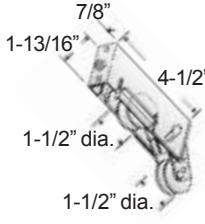
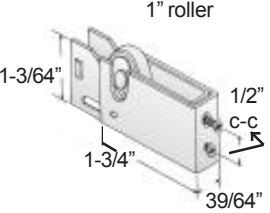
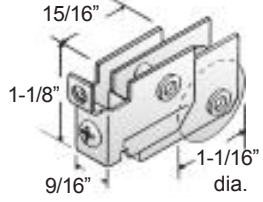

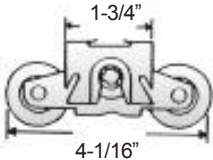

<p>H0101</p>  <p>4-15/16"</p> <p>Come: 1-110 Outside Handle Comes w/ No. H0101-1 Keeper</p> <p>Surface mount universal style. Adapts to more than 90% of doors</p> <p>Can be used to replace obsolete handle assemblies</p>	<p>H0106</p>  <p>3-1/2"</p> <p>No longer available</p> <p>For Key Cylinder, See H0106-KEY</p>	<p>H0140</p>  <p>6-1/2"</p> <p>For handle and key, order H0140-w/key</p>
<p>H0148 Aluminum or Black</p>  <p>4-15/16"</p> <p>3/4"</p>	<p>H0157</p>  <p>9"</p> <p>6-1/2"</p> <p>1-3/16"</p>	<p>H0159</p> <p>Capitol</p>  <p>1-1/8"</p> <p>2"</p>
<p>H0160</p>  <p>8-1/2"</p> <p>Wood Handle With Black Finished Metal Brackets</p>	<p>H0161 - Aluminum</p>  <p>4-15/16"</p>	<p>H0161 - Black</p>  <p>4-15/16"</p> <p>Comes w/ No. H0110 outside handle</p> <p>Clamp lock type</p> <p>Available in aluminum or black finish</p>
<p>H0168</p>  <p>3-15/16"</p>	<p>H0180 Black finish</p>  <p>6-5/8"</p> <p>Complete Assembly With Outside 2-Piece Handle w/ Plate And Keeper</p>	<p>H0298 No longer available</p>  <p>5-1/2"</p> <p>Heavy Duty</p> <p>When ordering complete handle with key cylinder, order H-298-With Key</p>
<p>H0304</p>  <p>3-15/16"</p> <p>Comes w/ Outside Handle And No. H0304-1-001 Thumb Turn</p> <p>Specify 038 Brown Finish 007 White Finish</p>	<p>H0333</p>  <p>6-1/2"</p>	<p>H0340</p>  <p>5-1/2"</p>

<p>40.11</p> <p>No longer available</p>  <p>Inside Handle</p> <p>Note: The Color Code is the 5th & 6th Digit of the Part Number</p>	<p>40.12 No longer available</p>  <p>Outside Handle</p> <p>Note: The Color Code is the 5th & 6th Digit of the Part Number</p>	<p>L0012</p> 
<p>L0019</p> <p>Keller</p> 	<p>L0031</p> 	<p>L0172</p> <p>Order L0324</p> 
<p>L0240</p> <p>Andersen</p> 	<p>L0302-Square</p>  <p>Note Square Housing</p>	<p>L0324</p> 
<p>WS0149</p>  <p>Can be torn away in 3/16" increments</p>	<p>G0074 Crossly</p>  <p>White Nylon Sold in Pair</p>	<p>G0084 Crossly</p>  <p>White Nylon Guide Sold in Pair</p>
<p>G0135</p> <p>Peachtree</p> 	<p>G0187 Nylon or steel roller</p>  <p>Sold with G0187-1-040 Sleeve W/Screw</p>	<p>G0219</p>  <p>13/32" Thick Nylon Wheel</p>

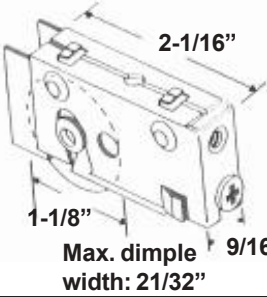
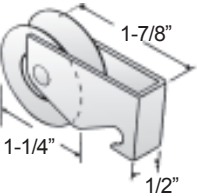
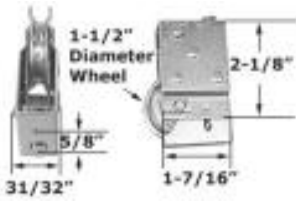
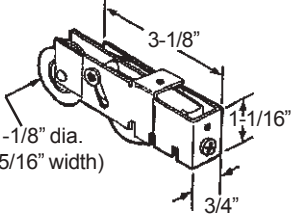
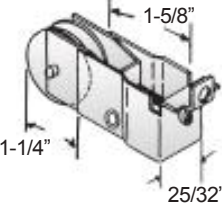
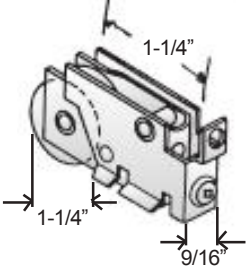
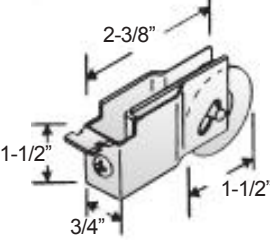
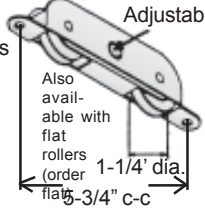
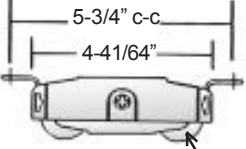



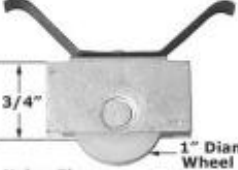
<div>G0226</div> <div>Nylon</div> <div></div> <div>15/16"</div>	<div>G0239-058 Nylon G0239-050 Steel</div> <div>Peachtree</div> <div></div> <div>Steel Housing with 1" Diameter Steel Ball Bearing Conclave Roller</div>	<div>G0248</div> <div>Peachtree</div> <div>Nylon Non-Ball Bearing Roller 1-5/16" Diameter</div> <div></div> <div>1-13/16" 1-15/16"</div>	
<div>R0200</div> <div></div> <div>The R-200-Kit contains over 160 pieces for rebuilding more than 50 types of patio door roller assemblies.</div> <div>Also see individual rollers</div>	<table><tr><td>R-44-6 STEEL 1 1/4" x 1 1/2" x 1</td></tr></table>		R-44-6 STEEL 1 1/4" x 1 1/2" x 1
R-44-6 STEEL 1 1/4" x 1 1/2" x 1			

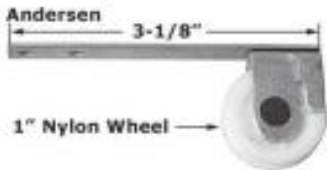

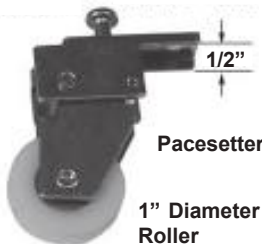


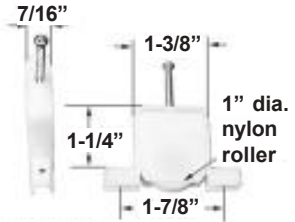


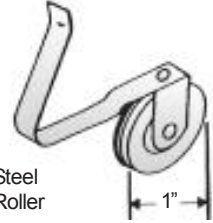

<div>K0089</div> <div></div>	<div>K0094</div> <div><div>Die Cast</div></div>	<div>K0130</div> <div><div>Die Cast Zinc</div></div>
<div>K0139</div> <div></div>	<div>The parts featured in this flyer are strictly a representation of more than 40,000 hardware parts available through Blaine. Please contact our Customer Service Department at 1-800-678-1919 for assistance in locating the parts you need.</div>	
<div>RA0017</div> <div><div>Stanley</div><div>1-1/2" Diameter Wheel</div></div>	<div>RA0024</div> <div><div>Peachtree Steel Roller</div><div>1-1/4" dia.</div></div>	<div>RA0028</div> <div><div>Steel 1-1/4" Dia. Wheel</div></div>
<div>RA0030</div> <div><div>Flare width = 7/8"</div><div>1-1/4" dia. (5/16" wide)</div></div>	<div>RA0038-058 Nylon RA0038-050 Steel</div> <div><div>Capitol</div><div>1-1/4" Dia. Wheel</div></div>	<div>RA0049</div> <div><div>Northrop</div><div>1-1/2" Dia. Wheel</div></div>
<div>RA0100-058 Nylon RA0100-050 Steel</div> <div><div>Fleetwood, Fullview & Others</div></div>	<div>RA0113-050 Steel Roller</div> <div></div>	<div>RA0142 Arcadia</div> <div><div>Nylon Wheel 1-11/16" Diameter</div></div>

**PATIO DOOR ROLLER
ASSEMBLIES**

<p>RA0148</p>  <p>Ador / Hiltite 11/16" 1-3/8" 1-11/16" 1-1/2" Diameter Nylon Wheel</p>	<p>RA0163</p>  <p>9/16" 7/8" dia. UNAVAILABLE Replaces Unavailable RA-54, Shown Above Steel Roller</p>	<p>RA0215</p>  <p>Window Master 3/4" 1-3/8" 2-1/8" 1-1/4" Diameter Steel Wheel</p>
<p>RA0216</p>  <p>15/16" 2-1/16" Steel Wheel 1-1/4" Diameter</p>	<p>RA0244</p>  <p>1-1/8" 1-3/4" Steel Wheel 1-1/4" Diameter</p>	<p>RA0254 Steel Roller</p>  <p>23/32" 2-5/16" 1-1/8" dia (5/16" width) 1-1/4" Dimple width - 7/8" Steel Roller</p>
<p>RA0286 Various Mfrs.</p>  <p>3-1/8" 1-1/8" dia. 1-1/16" 3/4" Steel Tandem Ball Bearing Rollers</p>	<p>RA0311-3'-Kit-040 RA0311-4'-Kit-040</p>  <p>Dual Roller Assembly Shown Replaces Original Die Cast Roller Assemblies on New Units</p> <p>RA0311-4'-Kit-Rebuild</p>	
<p>RA0291 Order 1939-6011</p>  <p>7/8" 1-13/16" 4-1/2" 1-1/2" dia. 1-1/2" dia. Steel Roller</p>	<p>RA0313 Steel Roller Flat Tread</p>  <p>1" roller 1-3/64" 1-3/4" 39/64" 1/2" C-C</p>	<p>RA0335 Steel Roller</p>  <p>15/16" 1-1/8" 9/16" 1-1/16" dia.</p>
<p>RA0337</p>  <p>Used By Several Patio Door Manufacturers 53/64" 1-5/8" 2-3/16" 1-1/2" Diameter Steel Wheel</p>	<p>RA0341 Andersen</p>  <p>1-3/4" 4-1/16" Steel Roller</p>	<p>RA0342 Noranda Building Three Rivers Aluminum Bee Cee</p>  <p>3/4" 1-1/8" 1-11/16" 1-1/4" Diameter Steel Wheel</p>

PATIO DOOR ROLLER ASSEMBLIES

<p>RA0414</p> 	<p>RA0419 Silverline</p> <p>Steel Roller</p> 	<p>RA0430</p> 
<p>RA0431 order RA0286, shown here</p> 	<p>RA-438</p> <p>No longer available</p>  <p>Steel Roller</p>	<p>RA0441 Steel Roller</p> 
<p>This catalog represents a small sample of more than 40,000+ parts available through Blaine. If you do not see the part you need, please contact our Customer Service Department, at 800-678-1919, for indepth assistance!</p>	<p>RA0483 Nylon Roller</p> 	<p>39.10.00.203 Steel 39.11.00. Nylon</p> <p>Truth & Others</p> <p>Adjustable</p> <p>Also available with flat rollers (order 1-1/4" dia. flat 5-3/4" c-c)</p> 
<p>39.13 Stainless Steel Housing, Stainless Steel Roller 39.14 Steel Housing, Steel Roller 39.18 Steel Housing, Stainless Steel Roller</p>  <p>Truth 1-1/4" dia.</p>	<p>PATIO SCREEN DOOR GUIDES</p>	<p>G0001</p>  <p>Hole</p> <p>G 1 Used By Various Manufacturers</p> <p>Spring Steel And Aluminum Housing With 1" Diameter Nylon Non-Ball Bearing Concave Roller</p> <p>For Steel Ball Bearing Roller Order G0001-050</p>
<p>G0047</p>  <p>1" Diameter Wheel</p> <p>Nylon Shown For Steel, Order G0047-050 For Nylon Ball Bearing Roller, Order G0047-BB-058</p>	<p>G0065 Steel And Spring Steel Housing With 1-1/4" Diameter Nylon Concave Non-Ball Bearing Roller</p>  <p>2-1/32"</p>	<p>G0116</p>  <p>3/4"</p> <p>1" Diameter Wheel</p> <p>Nylon Shown For Steel Ball Bearing Roller, Order G0116-050</p>

<p>G0152-058 Nylon G0152-050 Steel</p> 	<p>G0155-058 Nylon G0155-050 Steel</p> 	<p>G0167</p> 
<p>G0171</p> 	<p>G0176-058 Nylon G0176-050 Steel</p> <p>Columbia</p> 	<p>G0205-058 Nylon G0205-050 Steel</p> 
<p>G0226</p> 	<p>G0236</p> 	<p>G0238-058 Nylon G0238-050 Steel G0238-BB-058</p> 
<p>G0246</p> 	<p>G0251</p> <p>Andersen</p> 	<p>G0252</p> <p>Andersen</p> 
<p>G0257</p> <p>Columbia</p> 	<p>G-262</p> <p>Various Manufacturers</p> 	<p>G0268-058 Nylon G0267-050 Steel</p> <p>Columbia</p> 

Aluminum Screening - 100' Roll		Aluminum Screening - 100' Roll	
Size	Part Number <i>Black or Charcoal</i>	Size	Part Number <i>Brite</i>
20"	SW20-Black/Charcoal-040	20"	SW20-Brite-040
24"	SW24-Black/Charcoal-040	24"	SW24-Brite-040
28"	SW28-Black/Charcoal-040	28"	SW28-Brite-040
30"	SW30-Black/Charcoal-040	30"	SW30-Brite-040
32"	SW32-Black/Charcoal-040	32"	SW32-Brite-040
34"	SW34-Black / Charcoal-040	34"	SW34-Brite-040
36"	SW36-Black / Charcoal-040	36"	SW36-Brite-040
42"	SW42-Black / Charcoal-040	42"	SW42-Brite-040
48"	SW48-Black / Charcoal-040	48"	SW48-Brite-040
60"	SW60-Black / Charcoal-040	60"	SW60-Brite-040
72"	SW72-Black / Charcoal-040	72"	SW72-Brite-040

Phifer Screen Wire Products

Actual color match chips for Phifer Screen Wire products available on our website at www.blainewindow.com. Refer to Phifer Wire brochure, P1.



Phifer SunTex 95 **Exterior Sun Control Fabric**

Sun Tex 95, engineered for exterior roller shade applications, is a full basketweave vinyl-coated polyester fabric that is thinner and lighter weight than tradition Sun Tex. With a 5% openness factor, Sun Tex 95 offers increased heat and glare control as well as daytime privacy. Available in Mocha, Alpaca, White, White/Gray, Dark Bronze and Black.*

Phifer Recreational Mesh

Specifically designed for track and field jump pits. Recreational Mesh is functional and durable, making it an ideal choice for jump pits' specific requirements. These fabrics are rugged enough to withstand the weather elements. Available in Royal Blue, Dark Green, Christmas Red and Black. *



Phifer Super Solar Screening - The ultimate in shading protection. Energy Saver

Phifer Super Solar Screening offers the ultimate in shading protection by blocking up to 90% of the sun's heat. This fabric also improves daytime privacy while offering excellent outward visibility. Phife Super Solar Screening works whether windows are open or closed and keeps carpets and draperies from fading. Available in charcoal and Silver Gray. *



Phifer BetterVue **"See the view, not the screen"**

BetterVue is Phifer's first fiberglass improved visibility insect screen (iVis) for windows, doors and porches. This screening product maximizes the view by making it sharper and more brilliant. Durable, flame retardant, easy fabrication, excellent for coastal regions. Better curb appeal than conventional screen and 10% more open than standard screen. 10% smaller holes than standard screen.

Phifer PetScreen - Seven times stronger than regular insect screening

Pet resistant insect screening resists damage by cats and dogs, provides excellent outward visibility, is made of strong vinyl coated polyester and is easy to install.

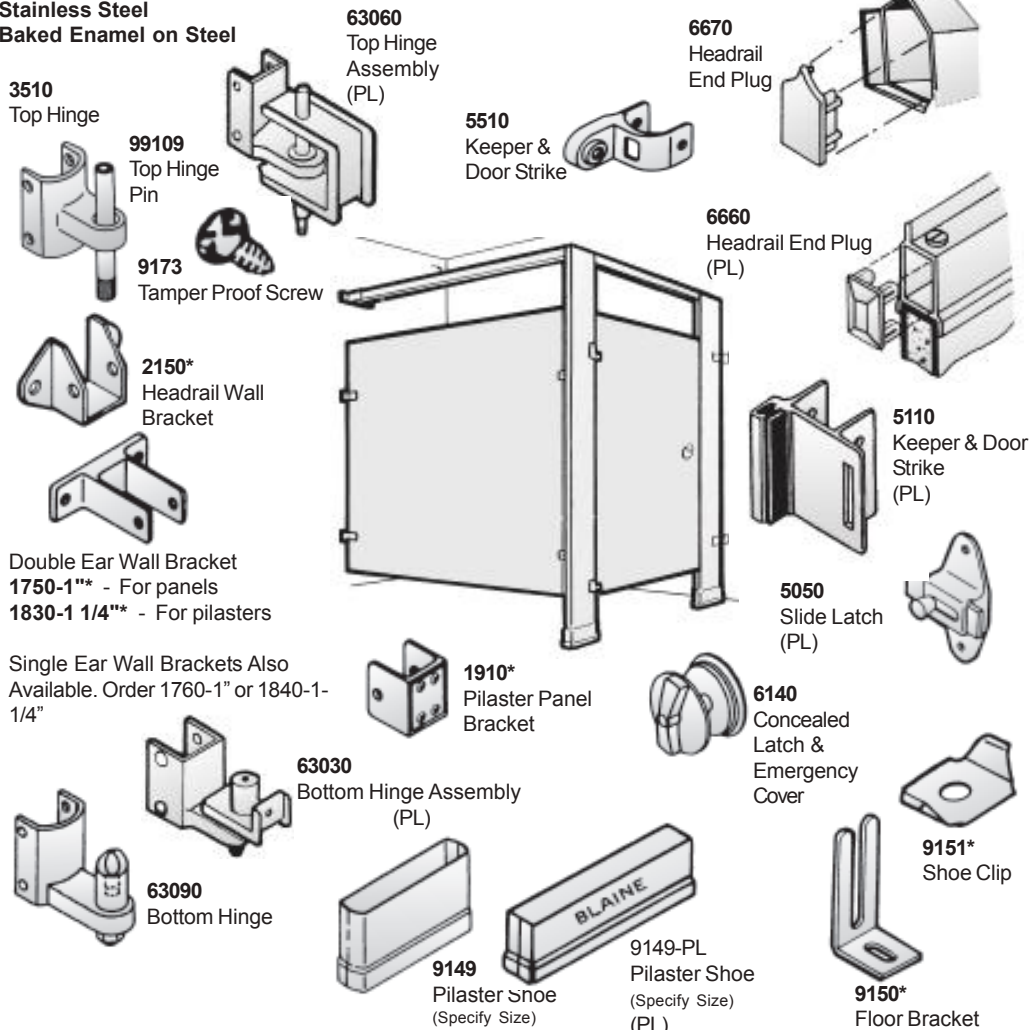


***Please contact our Customer Service Department , or visit our website at www.blainewindow.com, for color match chips.**

TYPES OF MATERIALS AVAILABLE:

Plastic Laminate with Solid Phenolic Core
 Plastic Laminate Bonded to Solid Particle Board
 Solid Plastic
 Stainless Steel
 Baked Enamel on Steel

Toilet Partition Brochures with color charts available upon request. Please contact our Customer Service Department for assistance.



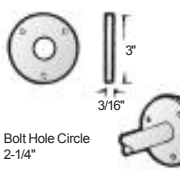
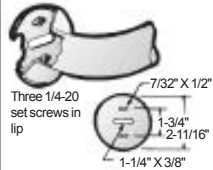
GRAB BAR APPLICATIONS



BAR NUMBER LENGTH

NUMBER 10	12"
NUMBER 11	16"
NUMBER 12	18"
NUMBER 13	24"
NUMBER 14	32"
NUMBER 15	42"
NUMBER 16	36"
NUMBER 17	48"

FLANGE SPECIFICATIONS

	ROUND	CONCEALED
*Snap-on flange also available.		
TUBE DIAMETER	Bolt Hole Circle 2-1/4"	Three 1/4-20 set screws in lip
1"	100E	100C
1-1/4"	125E	125C
1-1/2"	150E	150C

This is a representation of the grab bars available through Blaine. Please contact our Customer Service Department for detailed literature and assistance.

4000 	5310 For Steel Pilasters 	5050 	9009-Assy-PL 1-1/4"
3510 	99109 10-24 Threads 98634 	4260 	9014 Please specify right or left hand
5020 	9023 	9024 <p>No longer available</p>	9031
1910 	1550 	6540 	5170 & 5180 <p>Two Piece</p>
63060 	63030 	5240 	5550
1640-3/4" 1760-1" 1840-1-1/4" 	97290 	5140 	9071

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B4

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Patio Door Parts 	Sash Pulleys 

Gears 	Locking & Cam Handles 	Window Latches 	Antique 	Window Operators 
S-9 Glass Saver  Storm Window Tool	Crank handles 	Toilet Partitions & Hardware 	Install-A-Locks 	S-31 Glass Caliper  Chair Glides 
Security Hardware 	Locker Parts 	Shower Hardware 	Door Closers 	Vent Arms & Hinge Assemblies  Push Bars 
Keepers 	Pressure Shoes 	Complete Screen Service 	Closet Door Parts 	

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