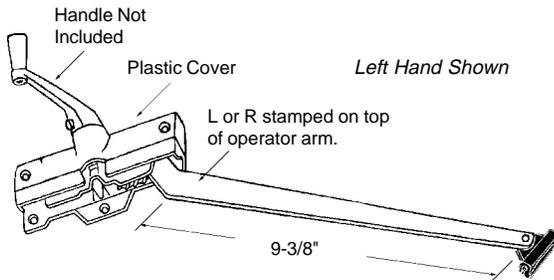


Andersen Operators	7-2
Pella Operators	7-2
Push Bar Operators & Accessories	7-3, 7-4
Casement & Awning Operators	7-3
Hinges	7-3, 7-4
Crank Handles & Extensions	7-5 to 7-6
Pella Operators Covers	7-6
Strikes & Shims	7-6 to 7-7
Cam Handles, Locking Handles	7-7 to 7-8
Storm Window Adjuster, Hangers	7-9
Muntin Bar Connectors & Accessories	7-9
Sealed Unit Spacer Bar Corners	7-9
Sealed Unit Stop	7-10

CASEMENT & AWNING HARDWARE

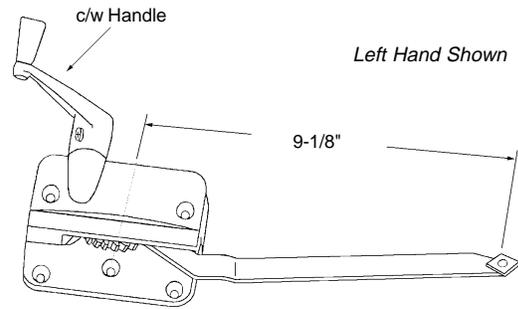
•Handle not included (page 7-4).



Awning Operator

Part Number	Hand	Colour
7-1377L	Left	Stone
7-1377R	Right	Stone

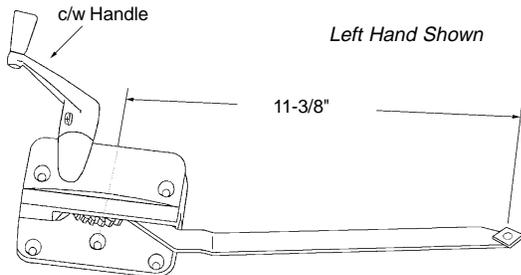
Material: Die Cast Zinc/Steel
 Unit: Each Bulk: 10 Pcs.
 Used By: Andersen



Casement Operator

Part Number	Hand	Colour
7-1428L	Left	Brown
7-1428R	Right	Brown

Material: Die Cast Zinc/Steel
 Unit: Each Bulk: 10 Pcs.
 Used By: Andersen

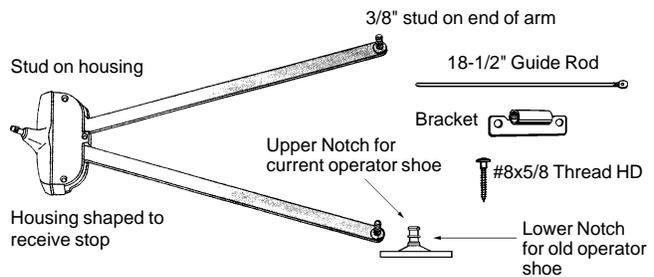


Casement Operator

Part Number	Hand	Colour
7-1425L	Left	Brown
7-1425R	Right	Brown

Material: Die Cast Zinc/Steel
 Unit: Each Bulk: 10 Pcs.
 Used By: Andersen

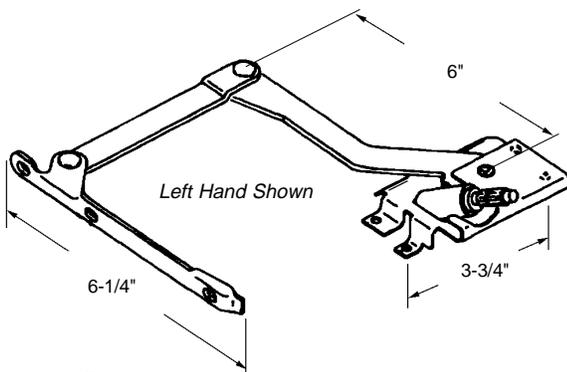
•Handle not included (page 7-4).



Roto Gear Awning Operator

Part Number	Arm Length	Colour
7-1455	15"	Brown
7-1456	11"	Brown

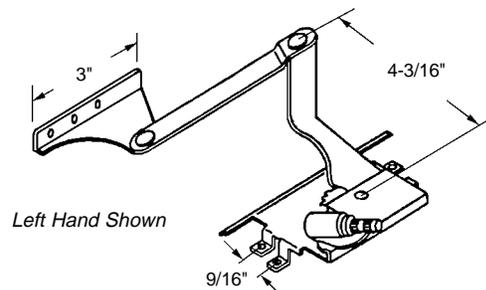
Material: Die Cast Zinc/Steel
 Unit: Each Bulk: 10 Pcs.
 Used By: Andersen



Casement Operator

Part Number	Hand
7-1422L	Left
7-1422R	Right

Material: Steel
 Unit: Each Bulk: 10 Pcs.
 Used By: Pella



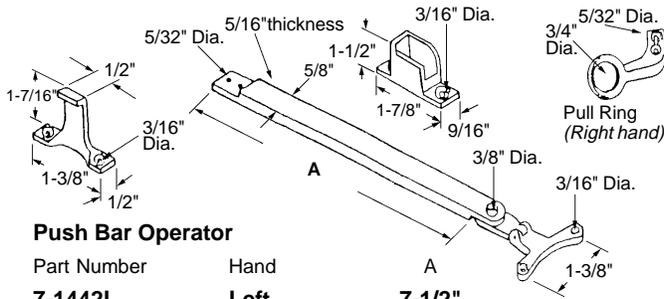
Casement Operator

Part Number	Hand
7-1461L	Left
7-1461R	Right

Material: Steel
 Unit: Each Bulk: 10 Pcs.
 Used By: Pella

CASEMENT & AWNING HARDWARE

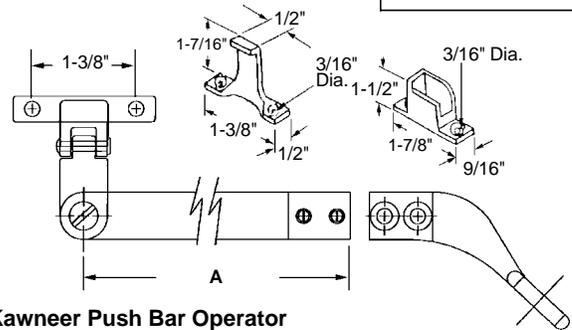
- Note: Pull ring dictates hand.
- Complete with all parts and screws.



Push Bar Operator

Part Number	Hand	A
7-1442L	Left	7-1/2"
7-1446L	Left	10"
7-1323L	Left	12-3/8"
7-1442R	Right	7-1/2"
7-1446R	Right	10"
7-1323R	Right	12-3/8"

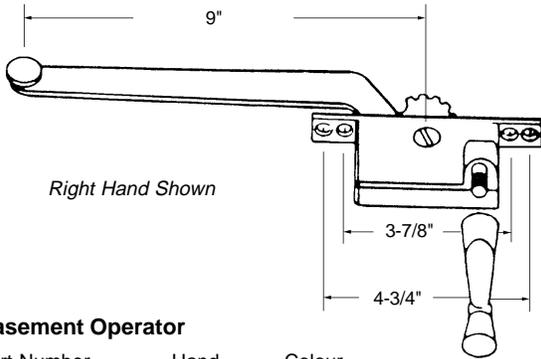
Material: Die Cast/Aluminum Extruded Bar
 Unit: Each Bulk: 10 Pcs.
 Used By: Several Manufacturers



Kawneer Push Bar Operator

Part Number	Hand	A
7-1802L	Left	7"
7-1802R	Right	7"
7-1803L	Left	10"
7-1803R	Right	10"

Material: Die Cast/Aluminum Extruded Bar
 Unit: Each Bulk: 10 Pcs.
 Used By: Several Manufacturers

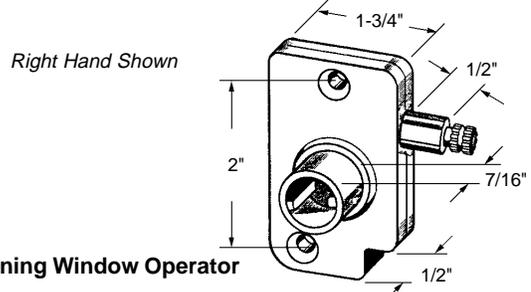


Casement Operator

Part Number	Hand	Colour
7-1368L	Left	Aluminum
7-1368R	Right	Aluminum

Material: Die Cast Zinc/Steel
 Unit: Each Bulk: 20 Pcs.
 Used By: Several Manufacturers

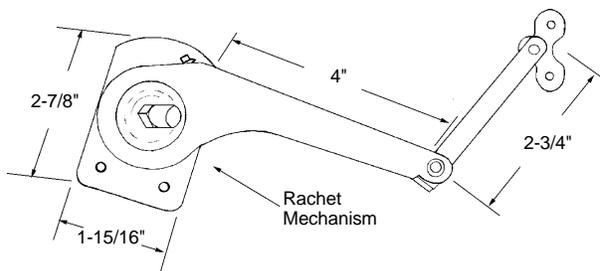
- Side mount operator.
- Can be used on awning and louver type windows.



Awning Window Operator

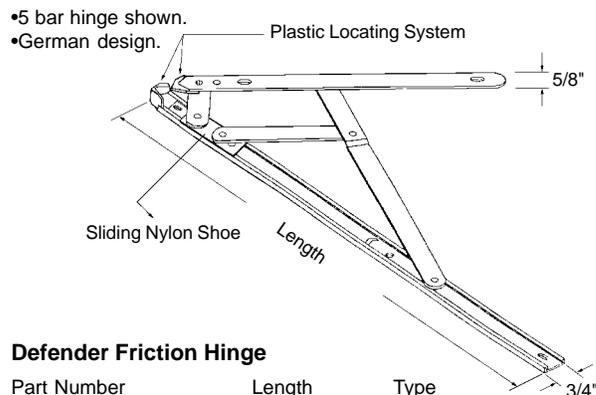
Part Number	Hand
7-1438L	Left
7-1438R	Right

Material: Die Cast
 Finish: Mill
 Unit: Each Bulk: 10 Pcs.
 Used By: Several Manufacturers



Awning Hold-Open Hinges

Part Number	Material	Colour	Unit	Bulk	Used By
7-1411	Steel	Black	Pair	10 Pair	Indal



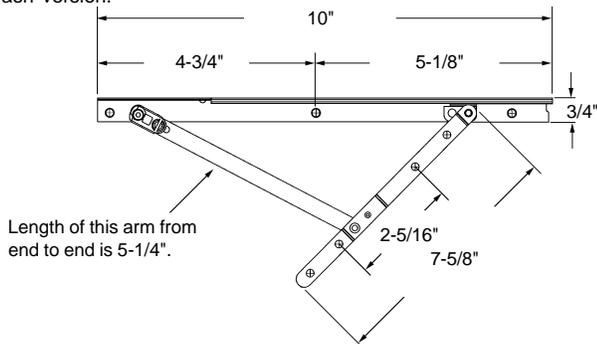
Defender Friction Hinge

Part Number	Length	Type
7-1329-8SS	8-3/16"	4 Bar (Awning Only)
7-1329-12SS	12-3/16"	6 Bar (Awning & Casement)
7-1329-16SS	16-3/16"	6 Bar (Awning & Casement)

Material: Stainless Steel
 Unit: Each Bulk: 15 Pcs.
 Used By: Several Manufacturers

CASEMENT & AWNING HARDWARE

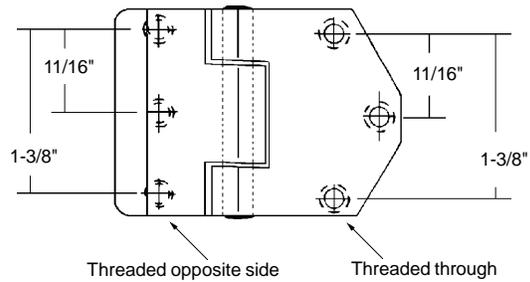
•Wash version.



Adjustable Concealed Casement Hinge

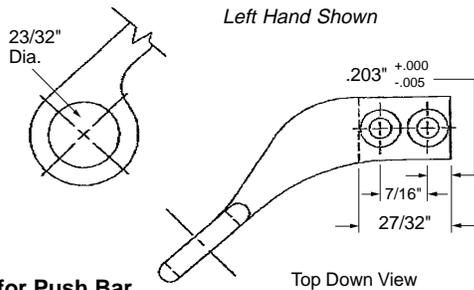
Part Number	Length
7-1801-10	10"

Material: Stainless Steel Track/Steel Arms/Acetal Shoe
 Unit: Pair Bulk: 20 Pcs.
 Used By: Several Manufacturers



Casement Window Butt Hinge

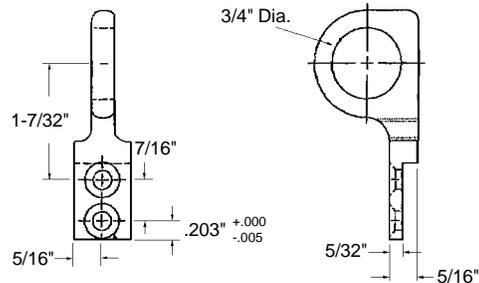
Part Number
7-1339
 Material: Metal
 Finish: White Bronze
 Unit: Each Bulk: 10 Pcs,
 Used By: Several Manufacturers



Pull Ring for Push Bar Operators 7-1323L/R, 7-1442L/R and 7-1446L/R

Part Number	Hand
7-1323A	Left
7-1323B	Right

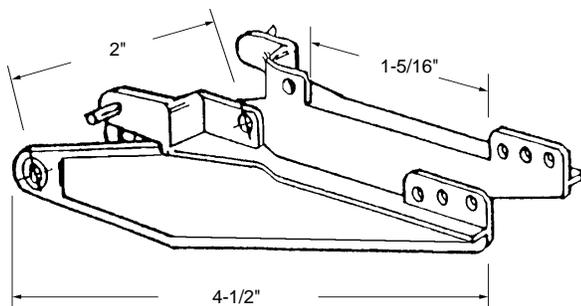
Material: Die Cast
 Finish: White Bronze Burnished
 Unit: Each Bulk: 10 Pcs.
 Used By: Several Manufacturers



Pull Ring for Push Bar Operators 7-1323L/R, 7-1442L/R and 7-1446L/R

Part Number	Hand
7-1323C	Non-Handed

Material: Die Cast
 Finish: White Bronze Burnished
 Unit: Each Bulk: 10 Pcs.
 Used By: Several Manufacturers



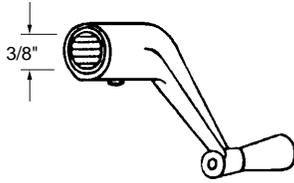
Jalousie Window Pivot Bracket

Part Number
7-1320
 Finish: Die Cast
 Unit: Pair Bulk: 20 Pair
 Used By: Several Manufacturers



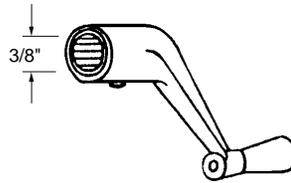
TRUTH CASEMENT & AWNING HARDWARE — SECTION 6

CASEMENT & AWNING HARDWARE



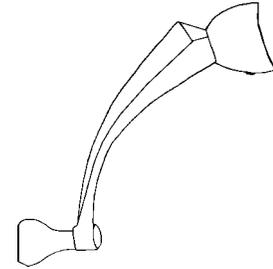
Window Crank Handle

Part Number Colour
7-1301L **Silver**
 Material: Die Cast
 Unit: Each Bulk: 25 Pcs.
 Used By: Several Manufacturers



Window Crank Handle

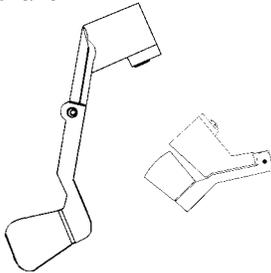
Part Number Colour
7-1376 **Stone**
7-1376B **Bronze**
 Material: Die Cast
 Unit: Each Bulk: 10 Pcs.
 Used By: Andersen



Window Crank Handle

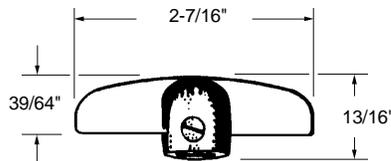
Part Number Colour
7-1423 **Copper**
 Material: Die Cast
 Unit: Each Bulk: 10 Pcs.
 Used By: Pella

- Fits Truth operators.
- See section 6 for alternate handles.
- Spline: 5/16".



Fold-Up Window Crank Handle

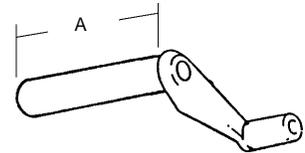
Part Number Colour
7-1344 **White**
 Material: Die Cast
 Unit: Each Bulk: 25 Pcs.
 Used By: Several Manufacturers



Window Crank T Handle

Part Number Spline Colour
7-1311L 3/8" **Silver**
7-1311L-B 3/8" **Bronze**
7-1311XL 7/16" **Bronze**
 Material: Die Cast
 Unit: Each Bulk: 25 Pcs.
 Used By: Several Manufacturers

- Used primarily on mobile homes and recreation vehicles.

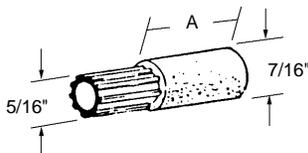


Window Crank Handle

Part Number	A	Spline
7-443A	1/4"	5/16"
7-443	3/4"	5/16"
7-443B	1"	5/16"
7-443C	1-1/4"	5/16"
7-443D	1-3/4"	5/16"

Material: Die Cast
 Finish: Mill
 Unit: Each Bulk: 20 Pcs.
 Used By: Several Manufacturers

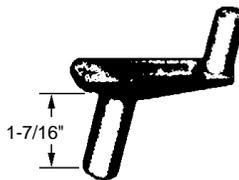
- For 443 Series cranks.



Crank Handle Extension

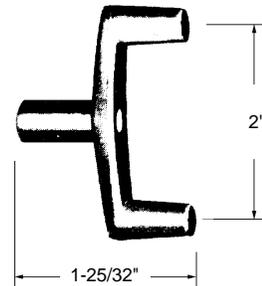
Part Number	A
7-443E	7/8"
7-443F	1-1/8"
7-443G	2"

Material: Die Cast
 Unit: Each Bulk: 10 Pcs.
 Used By: Several Manufacturers



Operator Crank Handle

Part Number Spline Colour
7-1386 5/16" **Tan**
 Material: Plastic
 Unit: Each Bulk: 25 Pcs.
 Used By: Several Manufacturers

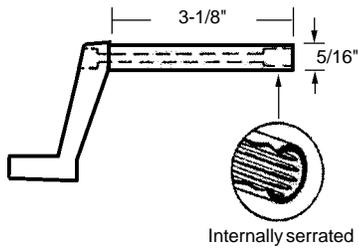


Operator T Crank Handle

Part Number	Spline	Finish
7-1387	5/16"	Mill

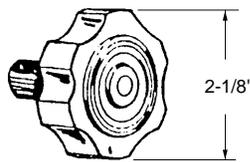
Material: Die Cast
 Unit: Each Bulk: 25 Pcs.
 Used By: Several Manufacturers

CASEMENT & AWNING HARDWARE



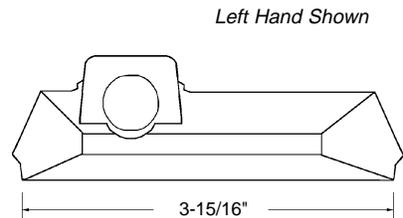
RV Window Crank Handle

Part Number Spline Colour
7-442 **5/16"** **Tan**
 Material: Plastic
 Unit: Each Bulk: 20 Pcs.
 Used By: Several Manufacturers



Operator Knob Handle

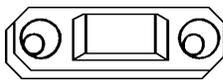
Part Number Spline Colour
7-1385 **5/16"** **Tan**
 Material: Plastic
 Unit: Each Bulk: 25 Pcs.
 Used By: Several Manufacturers



Casement Operator Cover

Part Number Hand
7-1424L **Left**
7-1424R **Right**
 Material: Plastic
 Colour: Copper
 Unit: Set Bulk: 10 Sets
 Used By: Pella

•Sold with 7-431 (discontinued) or 7-432 (page 7-6).

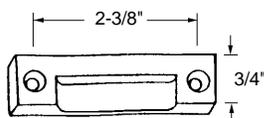


Strike

Part Number	A	Colour
7-433	1-3/8" ϕ to ϕ	Brown
7-433WH	1-3/8" ϕ to ϕ	White
7-435	1-1/2" ϕ to ϕ	Brown

Material: Polycarbonate
 Colour: Brown
 Unit: Each Bulk: 50 Pcs.
 Used By: Several Manufacturers

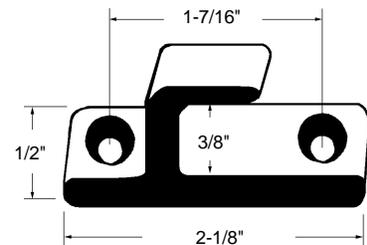
•Sold with 7-431(discontinued) or 7-432 (page 7-6).



Strike

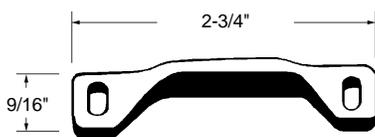
Part Number	Colour
7-434	Brown
7-434WH	White (Discontinued)

Material: Polycarbonate
 Unit: Each Bulk: 50 Pcs.
 Used By: Several Manufacturers



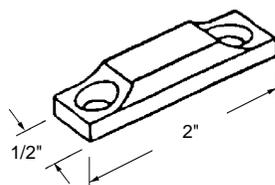
Cam Handle Strike

Part Number
7-1403
 Material: Metal
 Finish: White Bronze (Silver)
 Unit: Each Bulk: 10 Pcs.
 Used By: Several Manufacturers



Cam Handle Strike

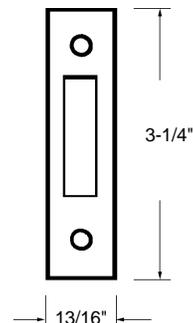
Part Number
7-1406
 Material: Metal
 Finish: White Bronze (Silver)
 Unit: Each Bulk: 10 Pcs.
 Used By: Several Manufacturers



Cam Lock Strike

Part Number
7-1404
 Material: Metal
 Finish: White Bronze (Silver)
 Unit: Each Bulk: 10 Pcs.
 Used By: Several Manufacturers

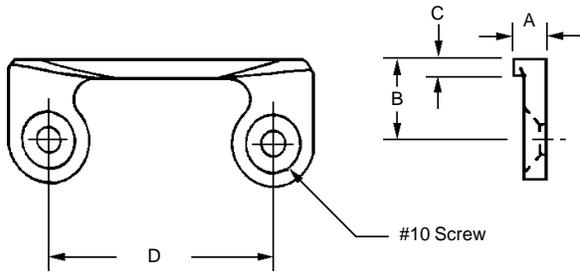
•Thickness: 1/16".



Strike Shim

Part Number
7-1407
 Material: Plastic
 Colour: White
 Unit: Each Bulk: 50 Pcs.
 Used By: Several Manufacturers

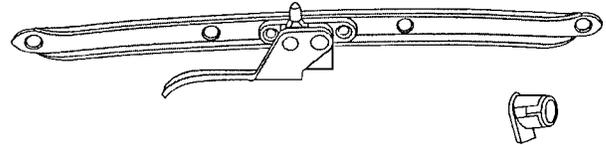
CASEMENT & AWNING HARDWARE



Strike

Part Number	A	B	C	D
7-1388	1/4"	7/16"	1/8"	1-3/8"
7-1391	1/2"	7/16"	1/8"	1-3/8"
7-1389	1/4"	15/32"	5/32"	1-7/16"

Material: Die Cast
 Unit: Each Bulk: 10 Pcs.
 Used By: Several Manufacturers

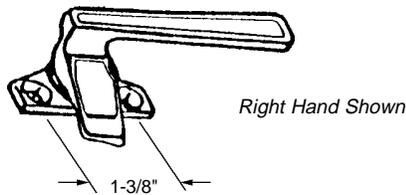


Awning Lock

Part Number
7-1430
 Material: Metal
 Unit: Each Bulk: 10 Pcs.
 Used By: Andersen

Discontinued

•c/w strike 7-433 or 7-434 (page 7-5).

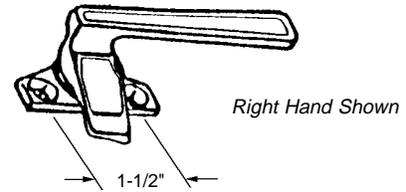


Cam Handle c/w Strike

Part Number	Hand
7-1416L	Left
7-1416R	Right

Material: Polycarbonate
 Colour: Brown
 Unit: N/A
 Used By: Several Manufacturers

•c/w strike 7-434 or 7-435 (page 7-5).



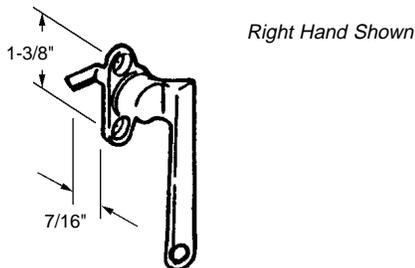
Cam Handle c/w Strike

Part Number	Hand	Colour
7-432L	Left	Brown (Discontinued)
7-432LW	Left	White
7-432R	Right	Brown (Discontinued)
7-432RW	Right	White

Material: Polycarbonate
 Unit: Each Bulk: 25 Pcs.
 Used By: Several Manufacturers



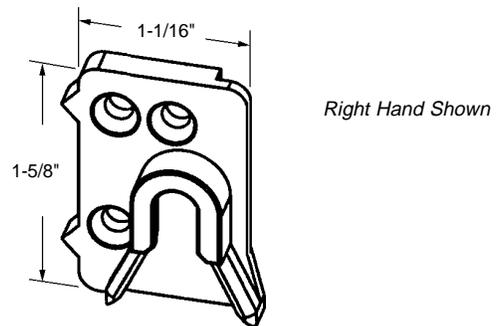
•Thru-the-rail cam for 1-1/2" and 2" hopper vents.



Locking Handle

Part Number	Hand
7-1319L	Left
7-1319R	Right

Material: Die Cast
 Finish: Satin Silver
 Unit: Each Bulk: 10 Pcs.
 Used By: Kawneer

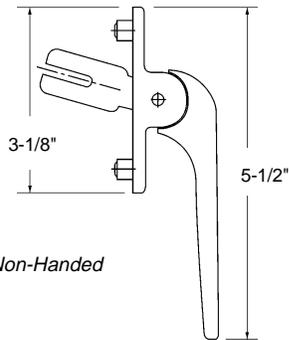


Keeper for Multi-Point System

Part Number	Hand
7-1800-L	Left
7-1800-R	Right

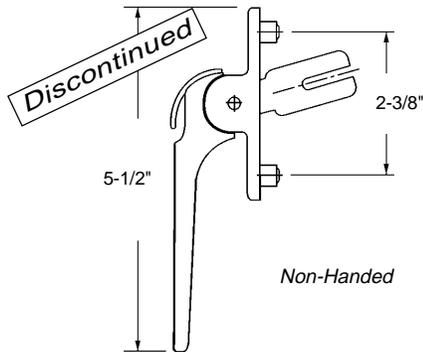
Material: Die Cast
 Finish: Zinc Plated
 Unit: Each Bulk: 100 Pcs.
 Used By: Several Manufacturers

CASEMENT & AWNING HARDWARE



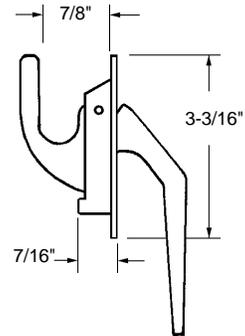
Multi-Point Handle

Part Number Colour
7-1447W **White**
 Material: Metal
 Unit: Each Bulk: 10 Pcs.
 Used By: H.T.L.



Multi-Point Handle

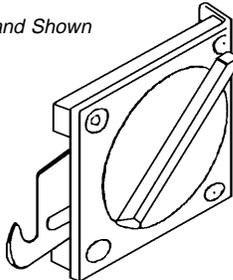
Part Number Colour
7-1448W **White**
 Material: Metal
 Unit: N/A
 Used By: H.T.L.



Locking Handle

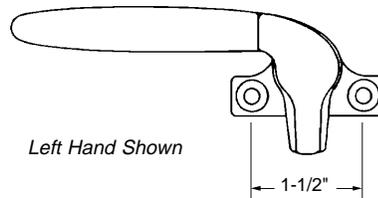
Part Number Colour
7-1369 **White**
 Material: Plastic
 Unit: Each Bulk: 25 Pcs.
 Used By: Several Manufacturers

Right Hand Shown



Sash Lock

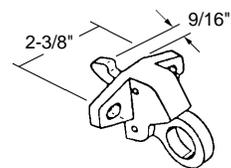
Part Number Hand
7-1427L **Left**
7-1427R **Right**
 Material: Die Cast
 Finish: Mill
 Unit: Each Bulk: 10 Pcs.
 Used By: Solaris



Cam Handle

Part Number Hand
7-1400L **Left**
7-1400R **Right**
 Material: Metal
 Colour: White Bronze (Silver)
 Unit: Each Bulk: 10 Pcs.
 Used By: Several Manufacturers

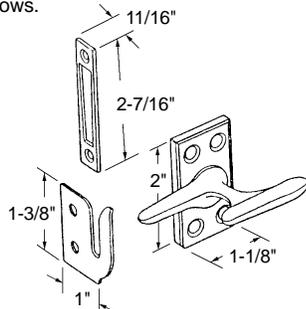
Discontinued



Hopper/Awning Lock

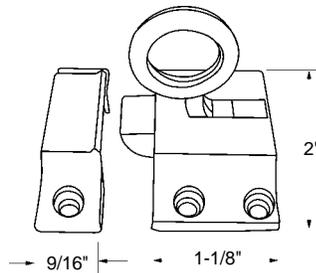
Part Number
7-1405
 Material: Metal
 Colour: White Bronze
 Unit: N/A
 Used By: Several Manufacturers

•Used on old style wood casement windows.



Casement Window Sash Lock c/w 2 Strikes

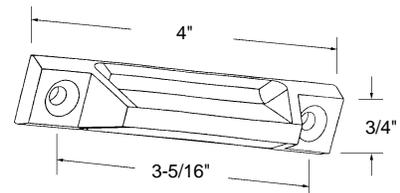
Part Number Finish
7-1433 **Brass Plated**
 Material: Steel/Aluminum
 Unit: Each Bulk: 10 Pcs.
 Used By: Several Manufacturers



Window Lock

Part Number
7-427
 Material: Die Cast
 Colour: Silver Paint
 Unit: Each Bulk: 10 Pcs.
 Used By: Several Manufacturers

•Available in die cast and white or brown colour in section 6, Truth Casement & Awning Hardware (Nos. 6-1373D and 6-1373D-B).

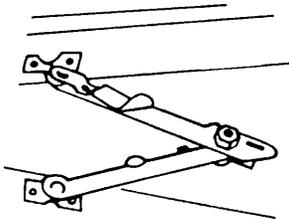


Sash Lift

Part Number
7-1373
 Material: Plastic
 Colour: White
 Unit: Each Bulk: 50 Pcs.
 Used By: Several Manufacturers

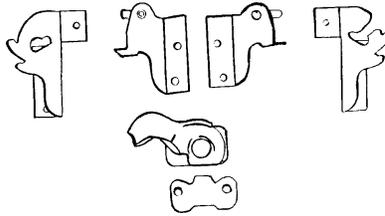
CASEMENT & AWNING HARDWARE

•Holds windows open in any desired position for ventilating or cleaning. Locks securely when closed. Two adjusters, one pull handle and screws included.



Storm Window Adjuster

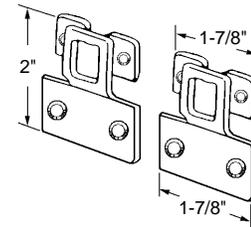
Part Number
7-1317
Material: Steel
Finish: Mill
Unit: Set Bulk: 10 Sets
Used By: Several Manufacturers



Basement Bunk Sash Hanger Kit

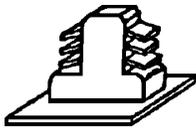
Part Number
7-1318
Material: Steel
Finish: Mill
Unit: Set Bulk: 10 Sets
Used By: Several Manufacturers

•4 pieces c/w screws.



Wood Storm Sash & Screen Hanger

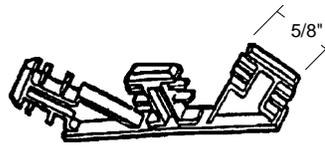
Part Number
7-1316
Material: Steel
Finish: Zinc Plated
Unit: Set Bulk: 10 Sets
Used By: Several Manufacturers



1/8" x 5/8" I.D. Bar

Muntin Bar Connector

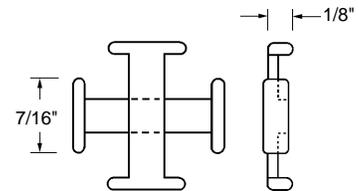
Part Number
7-1413
Material: Nylon
Colour: Black
Unit: Each Bulk: 100 Pcs.
Used By: Several Manufacturers



1/8" x 5/8" I.D. Bar

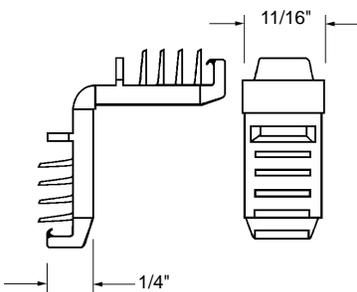
Muntin Bar Connector

Part Number
7-1358
Material: Nylon
Colour: White
Unit: Each Bulk: 100 Pcs.
Used By: Several Manufacturers



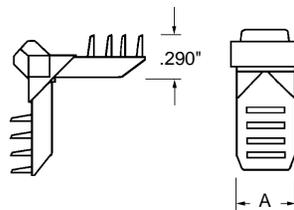
Muntin Bar Cross Connectors

Part Number
7-1357
Material: Nylon
Colour: White
Unit: Each Bulk: 100 Pcs.
Used By: Several Manufacturers



Sealed Unit Spacer Bar Corner

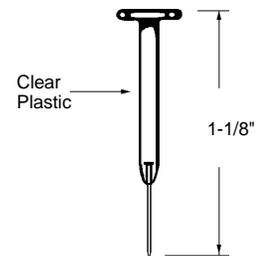
Part Number
7-1415
Material: Nylon
Colour: White
Unit: Each Bulk: 100 Pcs.
Used By: Several Manufacturers



Sealed Unit Spacer Bar Corner

Part Number	A	Colour
7-1414A	5/16"	Grey
7-1414B	3/8"	Black
7-1414C	7/16"	Grey
7-1414D	1/2"	Black
7-1414E	9/16"	Black
7-1414F	11/16"	Black

Material: Nylon
Unit: Each Bulk: 100 Pcs.
Used By: Several Manufacturers



Round Wood Grill Pin

Part Number
7-1426
Material: Plastic
Colour: Clear
Unit: Each Bulk: 50 Pcs.
Used By: Several Manufacturers

CASEMENT & AWNING HARDWARE

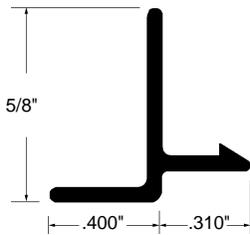
ULTRALAST

CORDLESS TOOL
BATTERIES —
SECTION 1

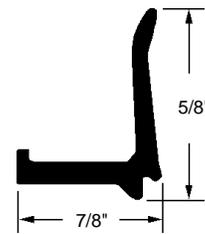
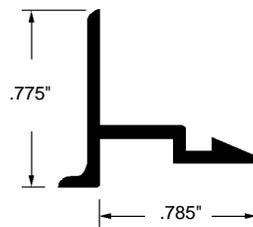


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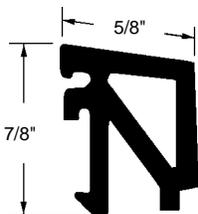


Sealed Unit Stop

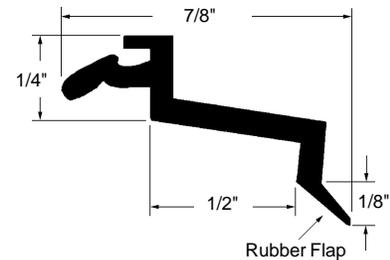
Part Number
7-1421
Material: PVC
Colour: White
Stock Length: 12'
Unit: S/L Bulk: 20 S/L
Used By: Weathershield

Sealed Unit Stop

Part Number
7-1439
Material: PVC
Colour: White
Stock Length: 16'
Unit: S/L Bulk: 10 S/L
Used By: Willmar



•Used with sealed unit stop 6-1396.



Sealed Unit Stop

Part Number
7-1396
Material: PVC
Colour: White
Stock Length: 57-3/4"
Unit: S/L Bulk: 5 S/L
Used By: Duraco

Glazing Tape

Part Number	C	D
7-1396A	.420"	.100"
7-1396B	.360"	.060"
Material: Rubber		
Colour: Black		
Unit: Foot		Bulk: 200 Ft.
Used By: Duraco		

Millenium Window Stop

Part Number
7-1434
Material: Plastic
Colour: White
Stock Length: 7'
Unit: S/L Bulk: 10 S/L
Used By: Dashwood