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**decorative finishes**  
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A casement window is hinged on the side, and swings open like a door.

An awning window is hinged on the top, and swings out from the bottom.

### Guide to Truth Hardware in FFI catalog

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### Truth tips from FFI - Handing for many Truth parts is specified as:

- LH = left-handed or
- RH = right-handed

### Truth handing is determined by:

Which side is the hinge on, when viewed from the OUTSIDE.  
(exception: 23 series operators, see page I-3.)

**Replacement part identification** - Are you trying to identify a Truth replacement part using a number stamped on the part? Stop - that's a production or batch number - not a part number, and won't identify your part. Instead, determine the:

- type of window – casement or awning?
- size of window – height, width, weight?
- size and shape of the part – single or double arm? length?

Then, compare your facts to catalog pictures and descriptions in the FFI and Truth catalogs, to find the appropriate part.

The complete, current Truth catalog is at: [www.Truth.com](http://www.Truth.com)

**Functional Fenestration has been an authorized distributor for Truth Hardware since 1987.**

**FFI's in-stock inventory for Truth includes:**

- stainless steel operators and hinges
- decorative finishes for operators and handles
- motors



**15.10.00.001 Left-handed**



**15.10.00.002 Right-handed**



**15.14.00.001 stainless steel**



**15.14.00.002 stainless steel**



**handles and covers sold separately see page I-6**

### Dual Arm EntryGard Casement Operators by Truth

- patented dual arm action pushes sash while pulling hinge side open.
- material, finish: die-cast metal zinc coated.
- opening: casement operators open 90 degrees.
- for casement sashes up to 60 lbs.
- nylon rollers on steel track for smooth operation.
- mounting screws concealed for clean appearance (sold separately).
- handles and operator covers, see page I-6 (sold separately).
- Truth handing (left or right) is determined by:  
which side is the hinge on, when viewed from the outside?

part #	description		left/right
15.10.00.001	dual arm operator	link offset up, top clip	LH
15.10.00.002	dual arm operator	link offset up, top clip	RH
15.14.00.001	dual arm operator	stainless steel	LH
15.14.00.002	dual arm operator	stainless steel	RH
15.15.00.001	dual arm operator	egress version	LH
15.15.00.002	dual arm operator	egress version	RH
15.16.00.001	dual arm operator	washability version	LH
15.16.00.002	dual arm operator	washability version	RH
15.61.00.001	dual arm operator	#8306, special order	LH
15.61.00.002	dual arm operator	#8306, special order	RH

### Complete your operator with this hardware (sold separately):

description	part # (xx = finish code)	see page
Truth handle	11329.xx folding or other handle	I-6
operator cover	10341.xx plastic or other cover	I-6
casement hinge	14 series (14.05, 14.75, 14.77) or 34.81	I-10
casement track	30473.92 face-mounted track	I-11
stud bracket	10339.92 left-hand or 10340.92 right-hand	I-11

### Screws for Entrygard Dual Arm operator (sold separately):

part #	description	for	qty. needed
19105	7 x 3/4 screw flat-head SST	for hinge track	6
19110.92	7 x 7/8 screw flathead E-gard	for hinge arm	8
19240.xx	8 x 1 screw flat-head steel	for operator	5
19140.92	8 x 1 screw flat-head E-gard	for operator	5

**More details for Truth products: visit [www.Truth.com](http://www.Truth.com)**



\*Items Discontinued by Truth: FFI has some items on hand, until stock is gone. In 2010, Truth discontinued finish #51 oil-rubbed bronze and #19 brushed nickel. FFI has some items on hand, until stock is gone. See p. I-8 for replacement finishes.

### Truth Single Arm Operators, surface mounted

- Truth die-cast zinc casement operators open 90 degrees.
- for casement sashes up to 60 lbs.

**Best-selling finishes are shown; more available, see pages I-8, I-9:**

part #	description	hand	length	common finishes
15.31.03.051	single arm surface-mount	LH	9 1/2"	bronze
15.31.03.052	single arm surface-mount	RH	9 1/2"	bronze
15.31.32.051	single arm surface-mount	LH	9 1/2"	white
15.31.32.052	single arm surface-mount	RH	9 1/2"	white
15.32.03.051	single arm surface-mount	LH	13 1/2"	bronze
15.32.03.052	single arm surface-mount	RH	13 1/2"	bronze
15.32.23.051	single arm surface-mount	RH	13 1/2"	chestnut bronze
15.32.23.052	single arm surface-mount	RH	13 1/2"	chestnut bronze
15.32.32.051	single arm surface-mount	LH	13 1/2"	white
15.32.32.052	single arm surface-mount	RH	13 1/2"	white
15.39.03.001	single arm surface-mount	LH	6"	bronze
15.39.03.002	single arm surface-mount	RH	6"	bronze
15.39.32.001	single arm surface-mount	LH	6"	white
15.39.32.002	single arm surface-mount	RH	6"	white
15.56.32.051	single arm surface-mount	LH	7 1/2"	white
15.56.32.052	single arm surface-mount	RH	7 1/2"	white

### Complete your operator with this hardware (sold separately):

handle sold separately; see I-6 (cover is included with this operator).  
 track: #30473.92, face-mount 3-hole, see page I-11.  
 hinge: 14 series (14.05, 14.75, 14.77) or 35 series (35.10, 35.12).  
 screws: four #10 phillips head (#19700.xx or other)

### 23 Series



Some parts are specified as:  
 LH = left-handed or  
 RH = right-handed.

Truth handing is determined by which side the hinge is on when viewed from the OUTSIDE the window.

Exception: 23 series hinges handing is viewed from inside the window.

### Truth single arm operators 23 Series, face-mount

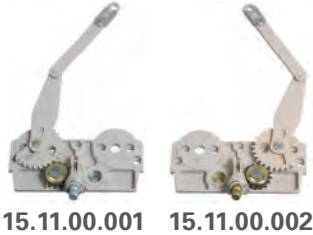
- designed for **commercial applications**; casements up to 35 lbs.
- for 23 series handing, which side is the hinge on from **inside** (different than handing from outside for other Truth operators).
- Truth die-cast zinc casement operators open 90 degrees.
- some 9-1/2" versions are often in stock; others are by special order.
- xx = finish code for cover; see codes on pages I-8 and I-9.

23.01.xx.001	single arm face-mount, SST commercial, LH, 9-1/2"
23.01.xx.002	single arm face-mount, SST commercial, RH, 9-1/2"

### Complete your operator with this hardware (sold separately):

handle sold separately; see I-6 (cover is included with this operator).  
 track: #30175, face-mount 3-hole, see page I-11.  
 hinge: 14 series (14.05, 14.75, 14.77) or 35 series (35.10, 35.12).  
 screws: four #10 phillips head (#19700.xx or other).

**More details for Truth products: visit [www.Truth.com](http://www.Truth.com)**



15.11.00.001 15.11.00.002



15.72.00.002



15.24.00.001 stainless steel



15.94 LH 15.94 RH

\*Items Discontinued by Truth:  
FFI has some items on hand,  
until stock is gone.

### EntryGard Dyad Operator - for casement windows as narrow as 11"

90° opening; for sashes up to 45 lbs.; Best-selling finishes shown below.

part #	description	hand	finish
15.11.00.001	dyad, link down, top clip	LH	E-Gard
15.11.00.002	dyad, link down, top clip	RH	E-Gard
15.18.03.051	dyad split-arm operator, no clip	LH	bronze
15.18.03.052	dyad split-arm operator	RH	bronze
15.18.32.051	dyad split-arm operator	LH	white
15.18.32.052	dyad split-arm operator	RH	white
15.19.00.001	dyad, link down, top clip	LH	stainless steel
15.19.00.002	dyad, link down, top clip	RH	stainless steel
15.62.00.001	dyad, link up, top clip	LH	E-Gard special order
15.62.00.002	dyad, link up, top clip	RH	E-Gard special order
15.72.00.001	dyad, concealed	LH	E-Gard discontinued*
15.72.00.002	dyad, concealed	RH	E-Gard discontinued*
15.76.00.001	dyad, link down, bottom clip	LH	E-Gard special order
15.76.00.002	dyad, link down, bottom clip	RH	E-Gard special order

**Stainless steel clip can convert dyad operators** - a dyad can be changed to another model by turning, adding, or removing a clip; for example turn clip down on a 15.11 to make a 15.76, or add clip to a 15.18 to make a 15.66.

part #	description
30591	detach clip SST

### Complete your dyad operator with this hardware (sold separately):

Truth handle and operator cover: see page I-6.

Track: #30473.92, face-mounted 3-hole, page I-11.

Stud bracket: 12510.92 LH or 12511.92 RH.

Hinge: 14 series (14.05, 14.75, 14.77); 34 series; 8, 10 or 12" 4-bar hinge.

Screws: #8 phillips flathead screws, sold separately.

### EntryGard® Single Arm Operator - for narrow casement windows,

round top or trapezoid windows with butt hinges; for sashes up to 60 lbs

part #	description	hand	finish
15.24.00.001	Entrygard single arm	LH	SST discontinued*
15.24.00.002	Entrygard single arm	RH	SST discontinued*
15.88.00.001	single arm operator, concealed	LH	E-Gard discontinued*
15.88.00.002	single arm operator, concealed	RH	E-Gard discontinued*
15.94.00.001	Entrygard single arm	LH	E-Gard
15.94.00.002	Entrygard single arm	RH	E-Gard

### Use this operator with this hardware (sold separately):

Truth handle and operator cover: see page I-6.

Track: #30473.92, face-mounted 3-hole, page I-11.

Screws: #8 phillips flathead screws, sold separately.

**More details for Truth products: visit [www.Truth.com](http://www.Truth.com)**



**11.10.32.001 white**



**11.12.03.001 bronze**



**11.14.23.001 chestnut bronze**



**11.27.03.101 bronze**



**11.42.00.001 E-Gard finish**



**11.43.00.180 CoastGard**



**10.10.03.003**



**10.11.03.001**



**20008.92**

**20034.92**

### Roto Gear Awning Operators

- with 3 different linkage configurations to address corner pull-in.
- detach feature for easy installation and quick window removal.
- arms are steel with **E-Gard** finish unless **stainless steel** is noted.

Best-selling finishes are shown; more available, see pages I-8, I-9.

part #	description	length	finish
11.10.03.001	roto gear awning operator	21.5"	bronze
11.10.32.001	roto gear awning operator	21.5"	white
11.12.03.001	roto gear awning single pull	16.125"	bronze
11.12.32.001	roto gear awning operator	16.125"	white
11.14.23.001	roto gear awning, dual pull	25.5"	chestnut bronze
11.14.32.001	roto gear awning operator	25.5"	white
11.16.03.001	roto gear awning operator	26.75"	bronze
11.16.32.001	roto gear awning operator	26.75"	white
11.27.03.101	roto gear awning operator	25.5"	stainless/bronze
11.27.32.101	roto gear awning operator	25.5"	stainless/white
11.30.23.001	roto gear awning operator	12"	chestnut bronze
11.30.32.001	roto gear awning operator	12"	white
11.32.24.101	roto gear awning operator	16.125"	stainless/beige
11.32.32.101	roto gear awning operator	16.125"	stainless/white

### Truth EntryGard Awning Operators

- reduces torque needed to open or close sash
- pulls even wide sashes snug to the weatherstripping
- detach feature for easy installation and quick removal
- handles and operator covers, see page I-6

part #	description	length	finish
11.42.00.001	Entrygard awning single pull	12"	E-Gard
11.42.00.500	Entrygard awning single pull	12"	stainless steel
11.43.00.001	Entrygard awning guide bar	20.75"	E-Gard
11.43.00.180	Entrygard awning guide bar	20.75"	CoastGard
11.44.00.001	Entrygard awning guide bar	28.75"	E-Gard
11.44.00.500	Entrygard awning guide bar	28.75"	stainless steel

### Truth lever awning operators, with removable escutcheon plate

part #	description	
10.10.03.003	Lever awning operator, single pull	RH
10.11.03.001	Lever awning operator, dual pull	RH
20008.92	sash hook for 10.10, 10.11 operators	E-Gard
20034.92	sash lock keeper	E-Gard

More details for Truth products: visit [www.Truth.com](http://www.Truth.com)



**11329.32**



**11329.11**



**11329.13**



**11329.24**



**11454.03**



**11573.02**



**11573.23**



**11573.29**



**10579.22**



**10579.78**

In 2010, Truth discontinued finish #51 oil-rubbed bronze and #19 brushed nickel. FFI has some items on hand, until stock is gone. See p. I-7 for replacement finishes.



**10341.23**



**11328.xx**



**11553.03**

### Truth Operator Handles

see Truth finish codes on pages I-8 and I-9.

More details for Truth products: visit [www.Truth.com](http://www.Truth.com)

### Folding handles - for casement and awning operators

- folds very compact; opens for use
  - compatible with curtains and window mini-blinds
  - easy to operate; requires minimal torque
- xx = finish; see finish codes on pages I-8 and I-9.

part #	description
11329.xx	folding handle

### Contour handles - for casement and awning operators

xx = finish; see finish codes on pages I-8 and I-9.

part #	description
11454.xx	contour handle

### T-handles - very compact design

xx = finish; see finish codes on pages I-8 and I-9.

part #	description
11573.xx	T-handle

### Long roto handles - for casement and awning operators

xx = finish; see finish codes on pages I-8 and I-9.

part #	description
10579.xx	long roto handle

### Truth Operator Covers

see Truth finish codes on pages I-8 and I-9.

More details for Truth products: visit [www.Truth.com](http://www.Truth.com)

### Operator Covers - for casement and awning operators

xx = finish; see finish codes on pages I-8 and I-9.

part #	description	(xx = finish)
10341.xx	plastic operator cover	
11328.xx	metal operator cover	
11553.03	contour cover, bronze	
11553.32	contour cover, white	



**52.11 single arm operator, left-handed, stainless steel**

LH = left-hand  
RH = right-hand



**52.11 single arm operator, right-handed, stainless steel**



**Encore/Maxim casement track in stainless steel**



**Tango cover + handle, Left-hand**



**Tango cover + handle, Right-Hand**

### Encore Operator & Hinge system

- Designed for larger casement & awning windows.
- Replaces (and is compatible with) old Maxim parts & accessories. (Encore has the same profile as old Maxim models.)
- Use with Encore or Tango handles.

### Five Encore operator models - more options on [www.truth.com](http://www.truth.com)

series	description
<b>50.10</b>	<b>Dual arm</b> casement operator for large casements 24-40" wide, up to 84"H and 108 lbs
<b>52.11</b>	<b>Single arm</b> casement operator for windows 20-32" wide, up to 72"H and 73 lbs
<b>50.60</b>	<b>Dyad</b> casement operator double-link operator for casement windows 16-24" wide
<b>50.80</b>	<b>Reverse dyad</b> casement operator for windows 12-16" wide, and specialty shape windows
<b>51.10</b>	<b>Awning</b> operator, double-linked for awning windows with 20-60" wide frames

### Encore dual arm Operators and brackets

use with: Truth 13" (14.97) or 10" (14.05) hinges

part #	description	handing	material/finish
<b>50.10.00.011</b>	Encore dual arm operator	LH	
<b>50.10.00.012</b>	Encore dual arm operator	RH	
<b>50.10.00.521</b>	Encore dual arm operator	LH	stainless steel
<b>50.10.00.522</b>	Encore dual arm operator	RH	stainless steel
<b>12510.00.0520</b>	bracket for mounting	LH	stainless steel
<b>12511.00.0520</b>	bracket for mounting	RH	stainless steel

### Encore single arm Operators and brackets

<b>52.11.00.521</b>	Encore single arm operator	LH	stainless steel
<b>52.11.00.522</b>	Encore single arm operator	RH	stainless steel

### Track for Encore

<b>11576.00.0520</b>	Encore/Maxim casement track -	stainless steel
<b>11576.92</b>	Encore/Maxim casement track -	steel, E-Gard

### Tango style operator cover and handle (note: handle handing is determined by direction the handle points in nested position)

part #	description	handing	finish
<b>12614.xx</b>	Tango handle & cover	LH	xx = finish
<b>12616.xx</b>	Tango handle & cover	RH	xx = finish

### Awning Clip - for Encore 51.10 and 51.12

<b>31879</b>	clip for awning operators	-	plastic
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### Two hinge options for Encore operators

<b>14.97</b>	washability casement hinge 13"
<b>14.12</b>	egress casement hinge 13"

### Truth Finish Code Summary

Ask FFI for current availability of the product and finish you want with each order.  
 All finishes are not available for all products, and some discontinued by Truth may still be in stock at FFI.  
 Truth requires minimum quantities for some items.  
 Finishes are used on steel, zinc and plastic parts; see Truth Catalog Tech Note 7 for material and finish specs.  
**More details and pictures: visit [www.Truth.com](http://www.Truth.com)**



02



23



29

### Truth finish codes by number

<b>01</b> aluminum	<b>26</b> cocoa brown (discontinued)	<b>50</b> sandstone
<b>02</b> black	<b>27</b> choice white (discontinued)	<b>51</b> oil-rubbed bronze (see .52)*
<b>03</b> bronze	<b>29</b> powder gold (replaces 09)	<b>52</b> <b>clear-coated dark bronze*</b>
<b>05</b> medium brown (discontin'd)	<b>32</b> <b>white</b> (a best-seller)	<b>53</b> brushed chrome (plated)
<b>09</b> gold (discontinued; use .29)	<b>35</b> bright chrome (plated)	<b>54</b> bright nickel (discontinued)
<b>10</b> <b>satin nickel (replacing .19)*</b>	<b>37</b> off-white	<b>55</b> western pewter (plated)
<b>11</b> coppertone (formerly .08)	<b>38</b> white	<b>58</b> brushed brass (plated)
<b>13</b> bright brass (plated)	<b>39</b> red	<b>60</b> arctic white (discontinued)
<b>14</b> antique brass (plated)	<b>41</b> sahara beige	<b>69</b> tuscan brown
<b>19</b> brushed nickel (see .10)*	<b>42</b> snow white (formerly 10)	<b>75</b> brown (discontinued)
<b>22</b> clay	<b>45</b> bright copper (discontinued)	<b>78</b> bright white
<b>23</b> <b>chestnut bronze</b>	<b>46</b> brushed copper (discontinued)	<b>80</b> <b>CoastGard (CG)</b> for Coastal use
<b>24</b> beige	<b>47</b> champagne	<b>92</b> <b>E-Gard (EG)</b> with protective coat
<b>25</b> tan	<b>48</b> oak	<b>98</b> brushed antique chrome (plated)

\*In 2010, Truth discontinued finish #51 oil-rubbed bronze (ORB) and #19 brushed nickel. FFI has some items on-hand, available until stock is gone. Truth replacements for #51 are #52 clear-coated dark bronze and #FB faux oil-rubbed bronze. Truth replacement for #19 is #10 satin nickel.

**Alphabetical finishes - special order; available for a limited set of products; ask FFI to check availability.**

<b>B</b> brown	<b>FB</b> faux oil-rubbed bronze	<b>TB</b> terratone brown
<b>BK</b> mat black	<b>JW</b> jersey white	<b>WB, WC</b> white
<b>CT</b> almond	<b>RB</b> rustic bronze (discontinued)	<b>WG</b> gold



**Coast-Gard finish - usually special order at FFI, please ask for availability.**

**Coast Gard (CG) codes are: .80, .081, .082**

**Entry-Gard finish - a standard Truth finish; usually in stock at FFI.**

**Entry Gard (EG) codes are .92, .051, .052**

**Stainless Steel (SST) - FFI has many items in stock in 300 series SST.**

**code 511 or 512 is bright SST finish**

**code 521 or 522 is dull SST finish**



**Need a finish sample?** Ask FFI for cost and availability of a sample panel or handle.

part number	description
21944.xx	Truth "Q-panel" finish samples (xx= finish code)



**Truth Finish Colors and Codes** - FFI offers Truth hardware in a wide range of traditional and decorative finishes. Basic colors are shown on various parts; please order a sample if precise color matching is desired. Please call to check availability (in-stock, standard order, or special order) for specific parts.



**02 black - basic black**



**03 bronze (creamy cocoa brown)**



**11 coppertone (a shiny caramel)**



**22 clay - cool grayish brown**



**32 white - a best seller**



**24 beige - basic beige**



**29 gold (more uniform color and better environmentally than old 09)**



**23 chestnut bronze - dark brown**



**10 satin nickel\***



**13 bright brass**



**14 antique brass**



**35 chrome**



**45 bright copper (discontinued 06/10)**



**46 brushed copper (discontinued 06/10)**



**52 dark bronze\***



**53 brushed chrome**



**54 bright nickel (discontinued 06/10)**



**55 western pewter**



**58 brushed brass**

\*In 2010, Truth discontinued finish #51 oil-rubbed bronze (ORB) and #19 brushed nickel. FFI has some items on-hand, available until stock is gone. Truth replacements for #51 are #52 clear-coated dark bronze and #FB faux oil-rubbed bronze. Truth replacement for #19 is #10 satin nickel.

### Concealed casement hinges - 14 series

- sash and support arms are made from heavy gauge steel.
- recommended for sash weights up to 140 lbs.
- features **stainless steel** flat bottom track.
- provide tamper resistance and beautiful exterior sight lines.
- **LL** = Lower Left, **UL** = Upper Left.



**14.05.00.003 LL**



**14.75.00.020 UL**



**14.77.00.009 LL**



**14.80.00.504 UL stainless**



**14.96.00.180 LL CoastGard**



**14.97.00.506 UL stainless**

### 14.05 series casement hinges, adjustable stud

part #	description		
14.05.00.003	casement hinge (lower left)	LL 10"	steel
14.05.00.004	casement hinge (upper left)	UL 10"	steel
14.05.00.501	casement hinge, adjustable	LL 10"	stainless steel
14.05.00.502	casement hinge, adjustable	UL 10"	stainless steel

### 14.75 series casement hinges, non-adjustable stud

14.75.00.007	hinge arm, non-adjustable	LL 10"	
14.75.00.008	hinge arm, non-adjustable	UL 10"	
14.75.00.019	hinge assembly, non-adjust	LL 10"	
14.75.00.020	hinge assembly, non-adjust	UL 10"	
14.75.00.206	casement hinge track	LL 10"	
14.75.00.207	casement hinge track	UL 10"	

### 14.77 series casement hinges, egress

14.77.00.009	casement hinge, Egress	LL 10"	
14.77.00.010	casement hinge, Egress	UL 10"	
14.12.00.005	casement hinge, Egress	LL 13"	
14.12.00.006	casement hinge, Egress	UL 13"	

### 14.80 series casement hinges, non-adjustable stud, stainless steel

14.80.00.503	hinge, non-adjustable	LL 10"	stainless steel
14.80.00.504	hinge, non-adjustable	UL 10"	stainless steel

### 14.96 series casement hinges, high performance, KD unassembled

14.96.00.001	hinge arm, high performance	LL	
14.96.00.002	hinge arm, high performance	UL	
14.96.00.102	casement hinge track		
14.96.00.180	hinge arm, high performance	LL CoastGard	
14.96.00.181	hinge arm, high performance	UL CoastGard	

### 14.97 series casement hinges

14.97.00.005	casement hinge	LL 13"	
14.97.00.006	casement hinge	UL 13"	
14.97.00.505	casement hinge	LL 13"	stainless steel
14.97.00.506	casement hinge	UL 13"	stainless steel

More details for Truth products: visit [www.Truth.com](http://www.Truth.com)

### TRACK



**30150.80**

**30150.92**

**30175**

**30473.80**

**30473.92**

**40617**

### BRACKETS



**10339.80**

**LH**

**10339.92**

**LH**

**10340.80**

**RH**

**10340.92**

**RH**

**10402.92**

**10403.92**

**10487**

**SST**

**10522.92**

**10583.92**

**12510.00.**

**0520 SST**

**12511.00.**

**0520 SST**

**12511.80**

### CASEMENT TRACK

part #	description	material, finish
<b>30150.80</b>	casement track 4-hole	CoastGard
<b>30150.92</b>	<b>casement track 4-hole</b>	E-Gard
<b>30175</b>	<b>casement track</b>	stainless steel (SST)
<b>30473.80</b>	casement track 4-hole	CoastGard
<b>30473.92</b>	<b>casement track 4-hole</b>	E-Gard
<b>40617</b>	casement track 3-hole	stainless steel (SST)

### BRACKETS for casement operators

part #	description	handing	material, finish
<b>10339.80</b>	bracket for 15.10	LH	CoastGard
<b>10339.92</b>	<b>bracket for 15.10</b>	<b>LH</b>	E-Gard
<b>10340.80</b>	bracket for 15.10	RH	CoastGard
<b>10340.92</b>	<b>bracket for 15.10</b>	<b>RH</b>	E-Gard
<b>10402.92</b>	bracket	LH	E-Gard
<b>10403.92</b>	bracket	RH	E-Gard
<b>10415.92</b>	bracket for 15.11	LH	E-Gard
<b>10416.92</b>	bracket for 15.11	RH	E-Gard
<b>10487</b>	bracket for 15.14	LH	stainless steel (SST)
<b>10488</b>	bracket for 15.14	RH	stainless steel (SST)
<b>10498.92</b>	bracket for 15.15	LH	E-Gard
<b>10499.92</b>	bracket for 15.15	RH	E-Gard
<b>10521.92</b>	bracket for 15.11	LH	E-Gard
<b>10522.92</b>	bracket for 15.11	RH	E-Gard
<b>10583.92</b>	bracket for 15.11	LH	yellow bichromate
<b>10584.92</b>	bracket for 15.11	RH	E-Gard
<b>12510.00.0520</b>	bracket	LH	stainless steel (SST)
<b>12511.00.0520</b>	bracket	RH	stainless steel (SST)
<b>12510.80</b>	bracket for 15.19	LH	CoastGard
<b>12510.92</b>	bracket	LH	E-Gard
<b>12511.80</b>	bracket for 15.19	RH	CoastGard
<b>12511.92</b>	bracket	RH	E-Gard
<b>12512.80</b>	bracket	LH	CoastGard
<b>12513.92</b>	bracket	RH	E-Gard

### SCREWS

size	type	material/finish
<b>19100.03</b>	7 x 3/4 screw flat head, sheet metal	bronze
<b>19100.32</b>	7 x 3/4 screw flat head, sheet metal	white
<b>19105</b>	<b>7 x 3/4 screw flat head, sheet metal</b>	<b>SST</b>
<b>19140.92</b>	7 x 7/8 screw flat head, sheet metal	E-Gard
<b>19240.xx</b>	8 x 1 screw flat head, sheet metal	xx = finish code
<b>19250</b>	8 x 1 screw flat head, sheet metal	SST
<b>19380.92</b>	10 x 1 screw flat head, sheet metal	zinc dichromate
<b>19390</b>	10 x 1 screw flat head, sheet metal	SST

More details for Truth products: visit [www.Truth.com](http://www.Truth.com)



**34.10.00.101 with stop**



**34.24.00.103 no stop**



**34.25.00.111 with stop**



**34.31.00.104 no stop**



**34.56.00.100, 90 deg. stop**



**34.61.00.100, 90 deg. stop**



**34.81.00.100 RH**



**35.12.00.100 egress**



**35.13.00.100 heavy duty**

#### **FOUR-BAR ANDERBERG HINGES - 34 Series**

- Anderberg and Truth have long been identified with quality.
- for: awning and casement sashes with a lip on the outside edge.
- non-handed hinges allow sash to project out from frame as it pivots.
- hinges listed below are 300 series SST; other models also available.
- order 2 hinges per window.
- available with or without stops to further limit the degree of opening.
- lengths: 8" to 28".

#### **STANDARD DUTY (SD) hinges for residential windows to 40 lbs**

part #	description	length	material
34.10.00.101	201SST SD with stop	8"	stainless steel
34.11.00.101	201SST SD NO stop	10"	stainless steel
34.12.00.101	201SST SD NO stop	12"	stainless steel
34.13.00.101	201SST SD NO stop	14"	stainless steel
34.14.00.100	201SST SD with stop	16"	stainless steel
34.14.00.101	201SST SD NO stop	16"	stainless steel
34.15.00.102	201SST SD with stop	18"	stainless steel
34.16.00.100	201SST SD with stop	20"	stainless steel
34.55.00.100	401SST SD 90 degree stop	12"	stainless steel
34.56.00.100	401SST SD 90 degree stop	14"	stainless steel
34.57.00.100	401SST SD 90 degree stop	16"	stainless steel
34.58.00.100	401SST SD 90 degree stop	18"	stainless steel
34.81.00.100	TRU14-72 SD RR, black shoe	12"	stainless steel

#### **HEAVY DUTY (HD) hinges for commercial windows to 200 lbs**

part #	description	length	material
34.24.00.103	201SST HD NO stop	10"	stainless steel
34.25.00.410	201SST HD NO stop/acetal shoe	12"	stainless steel
34.25.00.400	201SST HD with stop/acetal shoe	12"	stainless steel
34.26.00.102	201SST HD NO stop	14"	stainless steel
34.27.00.102	201SST HD NO stop	16"	stainless steel
34.27.00.104	201SST HD with stop	16"	stainless steel
34.28.00.100	301SST HD with stop	18"	stainless steel
34.29.00.107	301SST HD with stop	20"	stainless steel
34.31.00.104	301SST HD with stop	24"	stainless steel
34.86.00.100	301SST HD 40 degree stop	28"	stainless steel
34.59.00.100	601SST HD 90 degree stop	14"	stainless steel
34.60.00.100	601SST HD 90 degree stop	16"	stainless steel
34.61.00.100	601SST HD 90 degree stop	18"	stainless steel
35.12.00.100	333SST HD egress 90 degree stop	16-1/2"	stainless steel
35.13.00.100	334SST HD washability hinge	16-1/2"	stainless steel

SST (Stainless steel) items are shown above; ask about more hinge options in aluminum, steel, and 300 series stainless steel.

**More details for Truth products: visit [www.Truth.com](http://www.Truth.com)**

Some parts are specified as:  
**LH = left-handed or**  
**RH = right-handed.**  
**Truth handing is determined**  
**by which side the hinge is**  
**on when viewed from the**  
**OUTSIDE**



**13.13.00.014 LH E-Gard**



**13.13.00.015 RH E-Gard**



**13.43.00.102 arm, LH SST**  
**13.43.00.202 track, LH SST**



**13.45.00.207 assembly,**  
**RH SST**

### Awning hinges and track - 13 series

- made of heavy gauge steel with a stainless steel reinforced shoe.
- 300 series stainless steel versions also available.
- detachable support arms allow quick sash installation.
- balances the sash as it opens for smooth operation.
- recommended: match size of hinge to sash height and weight, up to 42" sash height and 61 lbs. (see table in Truth catalog).
- order as an **assembly** (usually in stock) or **K.D.** (knocked-down) which is unassembled arm and track (usually special order).

part #	description	hand	size	finish
13.13.00.014	Awning hinge assembly	LH	10"	E-Gard
13.13.00.015	Awning hinge assembly	RH	10"	E-Gard
13.14.00.014	Awning hinge	LH	14"	steel
13.14.00.015	Awning hinge	RH	14"	steel
13.15.00.014	Awning hinge	LH	18"	steel
13.15.00.015	Awning hinge	RH	18"	steel
13.16.00.014	Awning hinge	LH	22"	steel
13.16.00.015	Awning hinge	RH	22"	steel
13.17.00.014	Awning hinge	LH	26"	steel
13.17.00.015	Awning hinge	RH	26"	steel
13.42.00.102	Awning hinge arm KD	LH	18"	stainless steel
13.42.00.103	Awning hinge arm KD	RH	18"	stainless steel
13.42.00.200	Awning hinge track KD	LH	18"	stainless steel
13.42.00.201	Awning hinge track KD	RH	18"	stainless steel
13.42.00.206	Awning hinge assembly	LH	18"	stainless steel
13.42.00.207	Awning hinge assembly	RH	18"	stainless steel
13.43.00.102	Awning hinge arm KD	LH	10"	stainless steel
13.43.00.103	Awning hinge arm KD	RH	10"	stainless steel
13.43.00.202	Awning hinge track KD	LH	10"	stainless steel
13.43.00.203	Awning hinge track KD	RH	10"	stainless steel
13.43.00.501	Awning hinge assembly	LH	10"	stainless steel
13.43.00.502	Awning hinge assembly	RH	10"	stainless steel
13.44.00.102	Awning hinge arm KD	LH	14"	stainless steel
13.44.00.103	Awning hinge arm KD	RH	14"	stainless steel
13.44.00.200	Awning hinge track KD	LH	14"	stainless steel
13.44.00.201	Awning hinge track KD	RH	14"	stainless steel
13.44.00.208	Awning hinge assembly	LH	14"	stainless steel
13.44.00.209	Awning hinge assembly	RH	14"	stainless steel
13.45.00.102	Awning hinge arm KD	LH	22"	stainless steel
13.45.00.103	Awning hinge arm KD	RH	22"	stainless steel
13.45.00.200	Awning hinge track KD	LH	22"	stainless steel
13.45.00.201	Awning hinge track KD	RH	22"	stainless steel
13.45.00.206	Awning hinge assembly	LH	22"	stainless steel
13.45.00.207	Awning hinge assembly	RH	22"	stainless steel

**More details for Truth products: visit [www.Truth.com](http://www.Truth.com)**

**29.10.00.102 LH**



**29.10.00.103 RH**

**Butt hinges - stainless steel, recommended for casement windows**  
a pair of left-handed or right-handed hinges are required per window

part #	description	handing	material
29.10.00.102	loose butt hinges, pair	LH	stainless steel
29.10.00.103	loose butt hinges, pair	RH	stainless steel



**37.27.00.100 limit device**

**Limit device / Friction adjusters**

- limits the opening of **casement and awning windows**, to meet life safety codes and prevent wind damage in multi-story applications.
- 99 series limit device is available in steel or **stainless steel**.
- optional limit device key release/detach clip for window cleaning.

37.26.00.100	limit/friction adjuster 220SST	LD 5"	stainless steel
37.27.00.100	limit/friction adjuster 220SST	LD 6"	stainless steel
37.33.00.102	limit/friction adjuster 220SST	LD 12"	stainless steel



**37.37.00.100 friction adjuster**



**37.41.00.100 friction adjuster**

**Friction adjusters, 37 / 99 series, standard and heavy-duty**

300 series **stainless steel** with nylon friction block, sliding brass shoe.

37.35.00.100	friction adjuster 22SST	8"	stainless steel
37.36.00.100	friction adjuster 22SST	10"	stainless steel
37.37.00.100	friction adjuster 22SST	12"	stainless steel
37.38.00.100	friction adjuster 22SST	14"	stainless steel
37.41.00.100	friction adjuster 33SST	10"	stainless steel
37.42.00.100	friction adjuster 33SST	12"	stainless steel
37.43.00.100	friction adjuster 33SST	14"	stainless steel



**20118.92 snubber**

**Snubbers - use with concealed or exposed hinges, to prevent bowing of tall casements or wide awning windows**

part #	description	material , finish
20117	snubber	steel, E-gard
20118.80	snubber	steel, CoastGard
20118.92	snubber	steel, E-gard
10325.03	snubber	steel, bronze
31496.92	snubber - concealed	steel, E-gard

In 2010, Truth discontinued finish #51 oil-rubbed bronze and #19 brushed nickel. FFI has some items on hand, until stock is gone. See p. I-8 for replacement finishes.



**16.19.13.210**  
13 = bright brass



**16.19.23.210**  
chestnut brz



**31344.80**  
keeper

**31344.92**

#### Truth sash locks - for more details: visit [www.Truth.com](http://www.Truth.com)

LH = Left-handed; RH = Right-handed.

xx = finish; see finish codes on pages I-8 and I-9.

Screws: use two #8 screws of length, type and thread to suit your sash.

As of June 2010, Truth has discontinued series 16.16 sash locks;

Truth recommends EntryGard series 16.30 locks as replacement.

#### Low profile Sash lock - series 16.18, non-handed for casement windows

Resists up to 250 lbs. of force in testing. Has a 5/8" (16 mm) draw-in at the sash. Also buy 2 screws per lock: 19240.xx flathead screws (8x1 size).

part #	description	handing	finish
16.18.03.210	sash lock, low profile	none	bronze
16.18.32.210	sash lock, low profile	none	white
16.19.03.210	sash lock for tie bar, low profile	none	bronze
16.19.23.210	sash lock for tie bar, low profile	none	chestnut bronze
16.19.32.210	sash lock for tie bar, low profile	none	white
31344.80	keeper steel, use with 16.18, 16.19	-	CoastGard
31344.92	keeper steel, use with 16.18, 16.19	-	E-Gard
31359	keeper SST, use with 16.18, 16.19	-	stainless steel



**16.27.32.001**  
32 = white



**16.30.03.002**  
03 = bronze

#### EntryGard Sash lock for casement windows - Other finishes by special order. Resists up to 200 lbs. force. 5/8" draw-in at sash; tie-bar compatible.

part #	description	handing	finish
16.30.03.001	EntryGard lock, tie-bar compatible	LH	bronze
16.30.03.002	EntryGard lock, tie-bar compatible	RH	bronze
16.30.32.001	EntryGard lock, tie-bar compatible	LH	white
16.30.32.002	EntryGard lock, tie-bar compatible	RH	white
30827.80	keeper, use with 16.30	-	CoastGard
30827.92	keeper, use with 16.30	-	E-Gard



**16.52**

#### HomeGard Sash lock - for easy installation, strong security

part #	description	handing	finish
16.52.xx.300	sash lock HomeGard	-	xx = finish
16.53.xx.100	sash lock HomeGard use with tie-bar	-	xx = finish
40902.92	keeper, use with HomeGard	LH	E-Gard
40903.92	keeper, use with HomeGard	RH	E-Gard



#### EntryGard check rail lock - for slider & single/double-hung windows

• popular finishes shown; more available by special order.

17.23.03.200	EntryGard cam lock	bronze
17.23.29.200	EntryGard cam lock	powdered gold
17.23.32.200	EntryGard cam lock	white



#### Accessory sash hook

30764	sash center hook	stainless steel
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**25.29.03.102 cam handle - offset, 03 = bronze**



**25.29.01.103 cam handle - offset, 01 = aluminum**



**25.31.03.103 cam handle - in-line, 03 = bronze**



**25.70.32.103 cam handle - pole operated, 32 = white**



**18.11.32**

### Truth 25 series cam handle locks for bottom-hinged windows

- **Applications:** hopper windows (a.k.a bottom-hinged, tilt-out vents, often used in basements, schools, etc).
- **Material:** die cast zinc; lock resists up to 300 lbs. of force.
- 90 degree handle rotation to lock and unlock sash.
- See Truth finish codes on pp. I-8 and I-9.
- Most popular models are listed below; more models and finishes by Special Order; ask FFI for current availability and/or lead time.
- **LH = Left-handed; RH = Right-handed.**

### Offset cam handle locks

part #	description	handing	xx = finish
25.29.xx.102	cam handle lock, offset base	LH	
25.29.xx.103	cam handle lock, offset base	RH	
20237.xx	strike housing, offset		
20556	gasket, offset		
20233	strike insert 11/32" (other sizes available)		

### In-line cam handle locks

25.31.xx.102	cam handle lock, in-line base	LH
25.31.xx.103	cam handle lock, in-line base	RH
20236.xx	strike housing, in-line	
20408	gasket, in-line	

### Pole-operated cam handle locks

**Also order: 20237/20236** strike housing and **20233** or other insert, and optional **20556** or **20408** gasket.

part #	description	handing
25.70.xx.102	cam handle lock, offset base	LH
25.70.xx.103	cam handle lock, offset base	RH
25.72.xx.102	cam handle lock, in-line base	LH
25.72.xx.103	cam handle lock, in-line base	RH
30569.xx	universal strike plate	for LH or RH

### Truth sash lifts for double-hung or sliding windows

part #	description	finish
18.10.03.101	sash lift 19mm proud	bronze
18.10.23.100	sash lift 19mm proud	chestnut bronze
18.10.32.100	sash lift 19mm proud	white
18.11.32.100	sash lift 28mm proud	white

**Screws:** use two #10 screws of length, type & thread to suit your sash.

**More details for Truth products: visit [www.Truth.com](http://www.Truth.com)**





### SENTRY II WLS SYSTEM for standard windows



**switch  
included**

**rain sensor  
included**

**1 year Truth motor warranty  
requires installation by a  
licensed electrician referring to  
installation instructions.**



**WLS cover in .03 bronze color**

**WLS cover in .24 beige**



**43.53 optional  
remote control  
has built-in  
thermostat**

### Truth Sentry II WLS (Windows & Light Skylights) Motor

For Truth Sentry II HS (Heavy Skylight) motors, see page I-18.

- one-year Truth warranty against manufacturing defects.
- rain sensor is included in all WLS and HS kits.
- optional RF hand-held remote control can control any number of motors, as well as motorized blind systems.
- optional remote control has a built-in thermostat control.
- WLS can connect to centralized building automation systems.
- ETL/CE rated (not UL listed).
- connect to standard 110 VAC power (no transformer needed).
- low voltage 24 DC motor; built-in conversion to AC house-current.
- basic setup requires a motor and cover (sold separately).

### Sentry II WLS (Window & Light Skylight) Motor

- Opening distance depends on the manual operator (sash will open about half the length of the Truth operator being used with the motor).
- **WLS must be mounted to a Truth window or skylight operator;** the motor replaces the crank handle.
- One WLS control switch is included with WLS system, and operates only one motor; one switch must be hooked up for each WLS.
- WLS motors can't be wired in parallel to operate multiple motors.

### WLS applications - for wood, PVC or metal sashes:

- **casement windows** meeting AAMA-101 hardware load specs.
- **awning windows** with appropriate counter-balance hinge and operator (see Truth Tips and awning operator specs).
- **for skylight weighing up to 80 lbs** (WLS is load-rated at 40 lbs).
- **for skylights: also order a Truth angle drive module**, type 42.65, to connect to WLS to a skylight (sold separately, see page I-20).

### Order a WLS motor and cover:

part #	description	status
43.51.00.005	Sentry II WLS system, switch included	stock
43.54.00.005	Sentry II WLS system, for Pella windows	special
12490.xx	cover box for Sentry II WLS (xx = finish; see below)	

#### xx = select your cover-box color for WLS system:

.32 white	.24 beige	.02 black (WLS only)
.03 bronze	.23 chestnut bronze	.78 bright white Pella (WLS only)

### Optional WLS parts:

43.53.00.002	RF hand-held remote for WLS or HS	stock
13024	WLS control box, operates 1 motor (order face separate)	
12488	faceplate for WLS control box, white (replacement)	
12478	WLS Pella hardware pack	special order
12492	WLS hardware pack	special order
12547.00.0001	Sentry II motor replacement unit on	special order



**SENTRY II HS SYSTEM for Heavy Skylights**



**1 year motor warranty requires installation by a licensed electrician.**



**Truth Sentry II HS (Heavy Skylight) Motor**

For Truth Sentry II WLS motor, see page I-17.

- one-year warranty against manufacturing defects.
- rain sensor is included in all WLS and HS kits.
- RF hand-held remote control is optional; one remote controls any number of motors, as well as motorized blind systems.
- Remote control has a built-in thermostat control.
- HS can connect to centralized building automation systems.
- ETL/CE rated (not UL listed).
- connect to standard 110 VAC power (no transformer needed).
- low voltage 24 DC motor; built-in conversion to AC house-current.
- the basic setup is a motor, cover, and switch or remote – each sold separately.

**Sentry II HS (Heavy Skylight) Motor**

- operator has steel chain, length is 9 inches.
- **attaches directly to skylights; angle drive is included.** (a separate operator or angle drive is not needed as with the WLS).
- can be pre-installed and programmed by a skylight manufacturer.
- one HS control switch box can control up to 20 skylights with Sentry II HS systems on them; switch is sold separately.

**HS Applications:**

- **for skylights weighing up to 160 lbs** (HS load-rated 80 lbs at chain).
- HS system is power-rated at 50 watts.
- Order an HS motor system and cover (sold separately).
- Also order a wall switch and/or remote.

**Order HS motor, cover, and switch:**

part #	description	
43.50.00.005	Sentry II HS motor system	stock
12539	HS wall switch, controls up to 20 skylights	
12481.xx	cover for HS (xx = color; see below)	
<b>xx = select your cover-box color for HS system:</b>		
.32	white	.24 beige
.03	bronze	.23 chestnut bronze

**Optional HS parts:**

43.53.00.002	RF hand-held remote for WLS or HS (optional)
12473.92	Sentry II HS replacement motor unit only
12482	HS hardware pack (includes rain sensor, terminal block, screws, screen interlock, and strain relief parts)
12591	Module HS switch box (special order)
11533	HS steel chain 9" (special order)



Truth Marvel motor



accessories included with Truth Marvel

**1 year Truth motor warranty requires installation by a licensed electrician.**

**More about motorized operators: see Truth online catalog & ask FFI.**

#### Truth Marvel Motor

- for casement or awning windows, or small skylights.
- AC motor (for 110 house-current).
- Operator has steel chain, length is 9-1/2 inches.
- ANSI/UL 325 certified and CAN/CSA C22.2 certified.
- Marvel is designed to operate any properly sized window or skylight using a Truth Hardware hinge system (see Truth online information for details).
- Marvel is load-rated 45 lbs at the chain (45 lbs of lifting load at the chain), which means it is for skylights up to 90 lbs, and heavier windows depending on window dimensions.
- For awning windows, use Marvel with counter-balance hinge (loose-rivet type) such as Truth 13 Series (p. I-13) or 34 Series 4-bar hinge (p. I-12).
- One-year Truth warranty against manufacturing defects.
- Case size 14-1/4" x 1-7/8" x 1-5/16"; plug-in wire.
- Marvel mounts direct to sill (an operator is not needed).
- mounting brackets are included (3 types of installation brackets).
- not available with Marvel: remote control and rain sensor.
- up to 4 Marvel motors can be operated by one switch (not included).

#### Marvel Motors

part #	description	color
42.90.38.100	Marvel motor 120 vac	white (38) plastic case
42.90.03.100	Marvel motor 120 vac	bronze (03) plastic case

**Switch sold separately:** use single pole/double throw momentary contact switch.

part #	description
SW5657-2W	AC switch - momentary contact

#### Accessories for Marvel

part #	description
45580	manual switch for Marvel
42.90.00.200	RF receiver pack for Marvel
42.90.00.201	Hand-held Marvel Remote, with wall-mount (receiver needed)
42.90.00.202	Rain Sensor for Marvel (receiver needed)



16.49.03.100 motorized window lock

#### Motorized sash locks

- **compatible with Truth Sentry II WLS window motors.**
- wires into WLS control box; wood screws are included.
- lock is engaged when WLS switch or remote control is operated.
- applications: casement and awning windows; good for securing tall casement windows where a WLS motor is used.
- a motorized version of Truth sash locks such as 16.16 or 16.18.
- non-handed; for standard and offset keepers.

part #	description	color
16.49.03.100	motorized sash kit, replaces 16.18 nonhanded lock	bronze
16.49.32.100	motorized sash kit, replaces 16.18 nonhanded lock	white
16.50.32.100	motorized sash kit, replaces 16.16 lock	bronze
16.50.32.100	motorized sash kit, replaces 16.16 lock	white



### Hand-operated chain systems for windows and skylights

- smooth, easy and chatter-free operation, even for heavy skylights.
- high-gear reduction design and high-strength chain.
- simple clip for easy attachment and removal.

part #	description (xx = finish code)	
42.65.xx.100	angle drive module	– use with crank handle (p. I-6), WLS motor (p. I-17) or 11660.xx hand knob below.
11660.xx	hand knob	– use with 42.65 angle drive above.
42.75.xx.100	straight drive module	- use with poles below.



### Poles for operating skylights and high windows

- recommended height range for windows: 7' - 11' from floor.
- recommended height range for skylights: 9' - 15' from floor.

part #	description	
10637M	telescoping pole, ball drive 6' - 10'	aluminum, silver
10638M	telescoping pole, with hook 6' - 10'	aluminum, silver
30681	extension for telescoping poles 3'	with screw
10453	replacement hook for hook-end poles	with set screw



### Universal and pole ring accessories

30325.xx	universal for casement with ring	xx = finish
30326.xx	universal adapter for casement sash	xx = finish
30654	skylight sprocket	special order
30439	small spline insert, connects universal	no picture
30661	chain stop insert for skylight operator	no picture
30662.xx	hex ball adapter for skylight poles	xx = finish
30960.23	bearing bracket	no picture
31000	eyelet adapter for pole with hook end	die cast finish
31000.xx	eyelet adapter for pole with hook	xx= .03, .23 or .32
40096.xx	casement handle extension, 2 inch	xx = finish
40097.xx	casement handle extension, 4 inch	xx = finish

xx = finish; see finish codes on pages I-8 and I-9.

More details for Truth products: visit [www.Truth.com](http://www.Truth.com)



### Clerestory Poles and accessories

Truth clerestory poles are made of rigid aluminum tubing, with flex cable inside; handle is included. 20550 adapter attaches to sash frame.

part #	description	
30476-04	clerestory pole with crank 4'	aluminum, silver
30476-06	clerestory pole with crank 6'	aluminum, silver
30476-08	clerestory pole with crank 8'	aluminum, silver
30476-10 KD	clerestory pole with crank 10'	aluminum, silver
30476-12 KD	clerestory pole with crank 12'	aluminum, silver
20550	clerestory pole sash adapter - use with 30476 poles	