



Liberty Glass and Metal Inc
339 Riverside Dr
N Grosvenordl CT 06255-2160

WINDOW HARDWARE HARDWARE FUNCTIONS

Series 7205/8205T-L

Sealair® Architectural Windows

HARDWARE SELECTION GUIDE


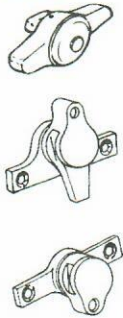



	DESCRIPTION	PROJECT IN	PROJECT OUT	OUTSWING CASEMENT	INSWING CASEMENT	TOP-HINGED INSWING	TOP HINGED OUTSWING
LOCKING HARDWARE	CAM HANDLES	Standard	Standard	Optional	Standard	Optional	Optional
	A.C. LOCK (REMOVABLE KEY HANDLE)	Optional	Optional	Optional	Optional	Standard	Standard
	POLE RING	Optional	Optional	Optional	Optional		Standard
	UNDERSCREEN PUSH BAR		Optional				
	MULTI-POINT LOCKING			Optional			
	HOOK BOLT LOCK		Optional	Optional			
HINGE AND SUPPORT HARDWARE	4-BAR HINGES	Standard	Standard	Standard		Optional	Optional
	PIVOT-SHOE ROTO OPERATOR		Optional				
	ROTO-OPERATOR (REQUIRES CLOSE UP HINGES)			Optional			
	CLOSE-UP HINGES			Optional	Standard		
	FRICTION ADJUSTERS (ANDERBERG 33SS)			Optional	Standard		
	LIMIT ARM	Optional	Optional	Optional	Optional	Optional	Optional
	STAY BARS					Standard	
	SUPPORT ARMS (ANDERBERG 88SS)					Optional	Standard
	SAFETY HARDWARE (ANDERBERG 880SS)					Optional	
	INTERNAL CONTINUOUS HINGE					Standard	Standard
	ESCAPE WINDOW SIGN			Optional			
	SCREENS	Optional	Optional	Optional	Optional	Optional	

NOTE: TO DETERMINE THE RECOMMENDED NUMBER OF LOCKS OR COMBINATIONS OF LOCKING AND HINGING HARDWARE, PLEASE CONTACT YOUR



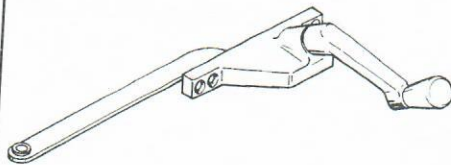
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<p>CAM HANDLES</p>	 <p>P.I. Shown, P.O. Similar</p>	<p>Cast white bronze cam handles are standard for the manual operation of projected and casement ventilators. For other applications, please consult your Kawneer representative. Standard finish shall be US-25-D clear white bronze. Special painted finishes are available to match job specifications.</p>
<p>AIR CONDITIONING LOCKS (CUSTODIAL LOCKS)</p>	 <p>TOP - HINGED INSWING</p> <p>PROJECT - OUT & OUTSWING CASEMENT</p> <p>PROJECT - IN & INSWING CASEMENT</p>	<p>In place of cam handles, air conditioning locks are offered for custodial control of vent operation. A. C. locks are standard locks for top hinged inswing and top hinged outswing windows. Standard finish shall be US-25-D clear white bronze. Special painted finishes are available to match job specifications.</p>
<p>POLE RING</p>		<p>Po'e ring is used in conjunction with locking hardware for pole operation of ventilators. Standard finish shall be US-25-D clear white bronze. Special painted finishes are available to match job specifications.</p>
<p>CASEMENT MULTI-POINT LOCKING HANDLE</p>		<p>A single locking handle for concealed multi-point locks is located on the vertical frame of outswing casements. Standard finish shall be US-25-D clear white bronze. Special painted finishes are available to match job specifications.</p>
<p>HOOK BOLT LOCK</p>		<p>For project-out with pivot-shoe roto operator and outswing casement in lieu of cam handle. Standard finish shall be US-25-D clear white bronze. Special painted finishes are available to match job specifications.</p>

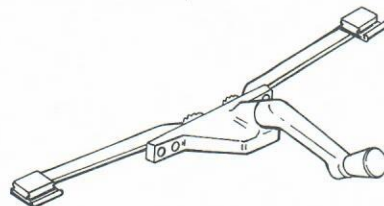
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ROTO OPERATOR



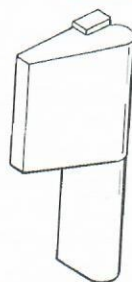
Optional roto operators are located at the bottom horizontal frame of outswinging casements. Standard finish shall be brushed copper nickel to match US-25-D. Optional painted finishes are available to match job specifications.

PIVOT-SHOE ROTO OPERATOR



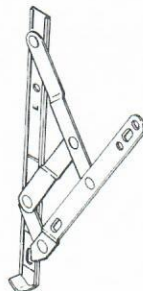
Optional pivot-shoe roto operator is located on the center line of the bottom horizontal frame of a project-out window. The operator provides 6 1/4" clear opening. Standard finish shall be brushed copper nickel to match US-25-D. Optional painted finishes are available to match job specifications.

CLOSE-UP HINGES



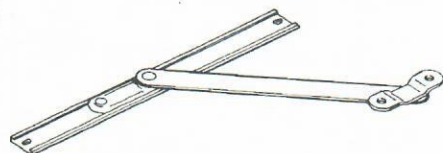
Standard hinge for inswing and optional for outswing casement windows. Close-up hinges shall be finished to match the window.

4 BAR HINGES



A standard hinge for projected ventilators and outswinging casements. 4 bar hinges provide approximately 40° to 60° openings and 3" to 5" 1/2" washing space depending on size.

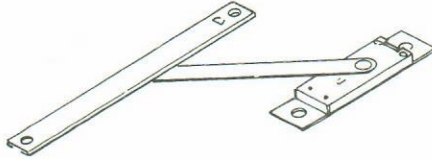
FRICTION ADJUSTORS



For casements without roto operators. Friction adjustors shall be used with close-up hinges for additional friction for control of the casement ventilator.

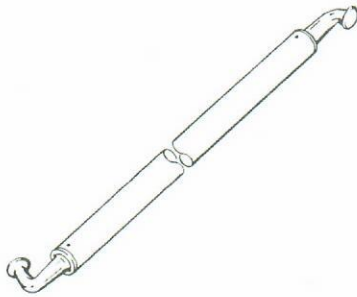
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LIMIT ARM



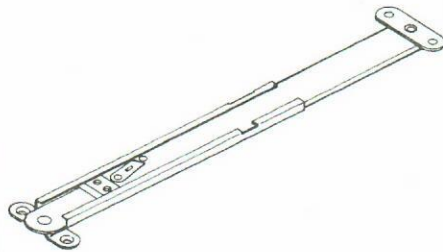
For operable ventilators when a restricted opening size is required.

STAY BARS



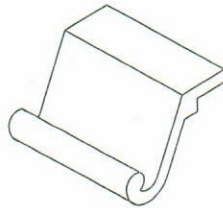
Used to support top-hinged vents for maintenance purposes. Stay bar length is approximately 24 inches.

SUPPORT ARMS AND SAFETY HARDWARE



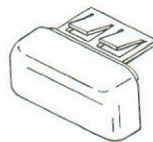
Support arms are optional for top-hinged inswing vents. When fully extended, the hardware automatically retains the ventilator with a clear opening dimension from 18" to 26" depending on size. Safety hardware is optional hardware for top-hinged inswing vents. Hardware includes a locking device that restricts the opening dimension from 6" to 7 1/2". A security key releases the ventilator to a washing position of approximately 14" to 26".

INTERNAL CONTINUOUS HINGE



Continuous aluminum hinge is the standard hinging method for top-hinged ventilators.

WEEP COVER



Weep cover shields weep slot to assure high performance.

Weep covers can be finished to match the window color.