

# Window Opening Control Device Field Application Instructions

## Ultra Series Casement products

**INTRODUCTION:** This installation instruction is intended for use with Kolbe's Ultra Crank Out & Push Out Series Casement products. When installed and used as directed, this window opening control device meets ASTM F2090-13 requirements. Refer to our Window Opening Control Device Safety and Operating Instructions for more information.

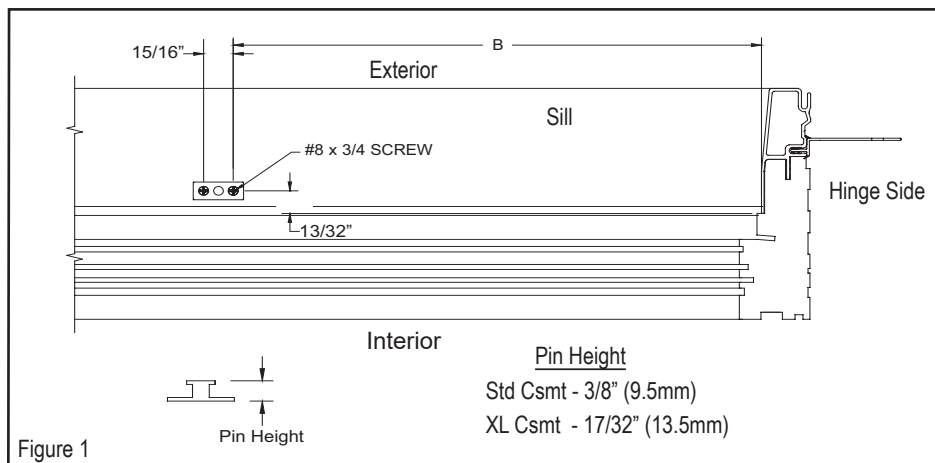
**NOTE:** Numbers listed in parentheses ( ) are metric equivalents in millimeters rounded to the nearest whole number.

## WARNING

- **POSSIBLE FALL HAZARD:** Young children may fall out of the window if the window opening control device is not installed correctly. When properly engaged, no space shall exist at the lowest opening portion of the window opening that would permit the passage of a rigid sphere measuring 4" (102) in diameter.
- Install the device so that a rigid 4.0-in. Diameter sphere does not pass through any space in the window opening after the window opening control device is in place.
- Young children may fall out the window if all installation instructions are not followed.
- Use recommended materials and techniques.
- Make sure that the window opening control device is securely installed in accordance with manufacturer's instructions.
- Make sure that the window frame is in good condition prior to installing WOCD.

## Field Application of Window Opening Control Device

- Unlock sash and open.
- Be aware there are different pin heights depending on the type of casement you have. Refer to Figure 1 that shows which pin height you are required to use.
- Attach appropriate pin to sill (see figure 1). Placement will depend on frame width. Use the chart(s) to the right and figure 1 for proper placement. Pre-drill holes using 1/8" drill bit. After sealing the holes, secure in place using the provided #8 x 3/4" screws.



Frame Width	B = Pin Placement	
	Casement	XL Csmt
24"	15-3/16"	16-1/2"
28"	17-7/8"	17-7/8"
30"	19-5/16"	19-5/16"
32"	20-11/16"	20-11/16"
36"	23-3/8"	23-3/8"
40"	-	27"
42"	-	27-5/8"

Minimum frame size for usage on standard Casements is 22"

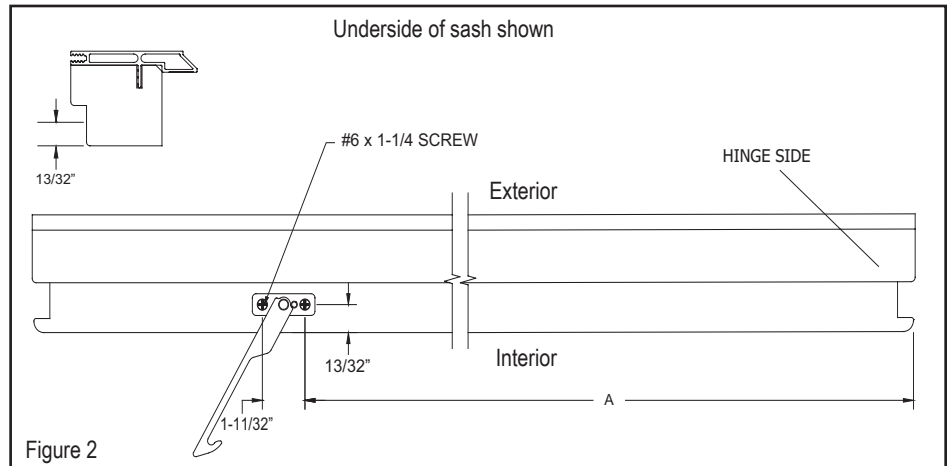
Minimum frame size for usage on XL Casements is 24"

Frame widths not shown must round to next larger size

- Attach the arm with hook to bottom of the sash. Placement will depend on frame width. Use the chart and figure 2 or 3 below that corresponds with your unit type for proper placement. Pre-drill holes using 5/64" drill bit. Secure in place using the provided #6 x 1-1/4" screws.

**For Standard Crank Out & Push Out Casements:**

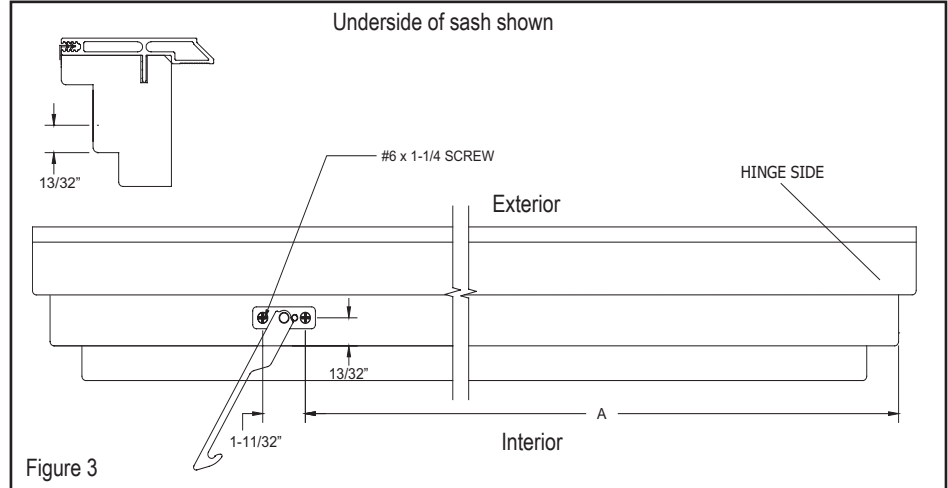
Frame Width	A = Hook Placement
*24"	11-11/16"
*28"	14-1/2"
*30"	15-15/16"
32"	17-3/8"
36"	20-3/16"
Minimum frame size for usage is 22"	
Frame widths not shown must round to next larger size	



\*These sizes will not allow the use of a WOCD on units with Euro hinges and friction adjusters.

**For XL Casements:**

Frame Width	A = Hook Placement
24"	13"
28"	14-1/8"
30"	15-1/2"
32"	16-15/16"
36"	19-3/4"
40"	23-5/8"
42"	24-5/16"
Minimum frame size for usage is 24"	
Frame widths not shown must round to next larger size	



- Operate the sash to ensure WOCD is placed in the correct position and working properly. It is important that the WOCD is installed in the correct location, so that when the sash is open and the device is engaged a 4" rigid sphere will not fit through the opening. Kolbe windows & doors is not liable for injuries that may occur from improper placement of WOCD.