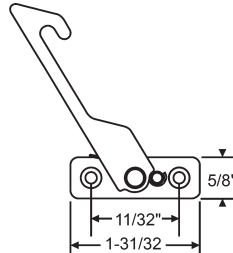
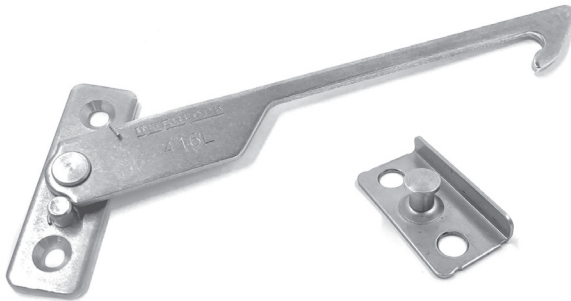


# WINDOW REPLACEMENT HARDWARE

## WINDOW OPENING CONTROL DEVICES (WOCD)

Window Opening Control Device Kit

The ultimate solution in residential window safety is now available with the convenience of an all-inclusive kit. Easy to fit with no routing required, the ASSA ABLOY WOCD Kit is designed for use in windows with a standard 11.1mm (7/16") hardware cavity.

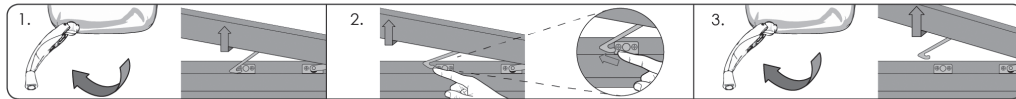


### Features

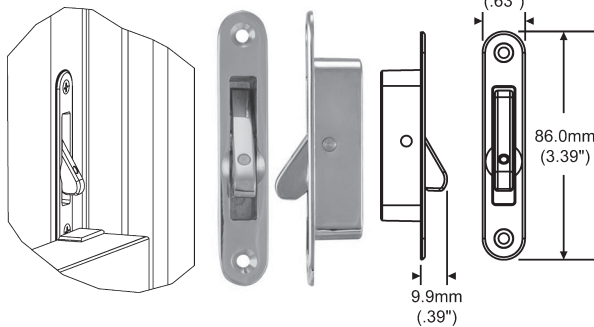
- 4" and 6" lengths available
- Tested and compliant to ASTM F2090-13
- Limits venting to less than 4" of opening
- Compatible with standard countersunk fixings
- Austenitic 304 stainless steel for enhanced corrosion resistance
- Convenience of all-inclusive bagged kit for ease of installation
- No fabrication required - cavity fitting
- Available in 13mm, 16mm and 17mm cavity heights

Part Number	Description	Hand
39-1106LHSS-4KIT	4" Casement WOCD Kit	LH
39-1106RHSS-4KIT	4" Casement WOCD Kit	RH
39-1106LHSS-6KIT	6" Casement WOCD Kit	LH
39-1106RHSS-6KIT	6" Casement WOCD Kit	RH

Packed and Sold as Kit. Kit Contains 11.1mm Pin Strike, 4 Mounting Screws, Operational Sill Sticker, Indication Glass Sticker and Installation Instructions.



### Face Fix Single Action



The Face Fix version is fitted into the stiles of the Top Sash - one on either side.

The units are single action, so fitting two ensures compliance with ASTM F2090 2008 and 2010.

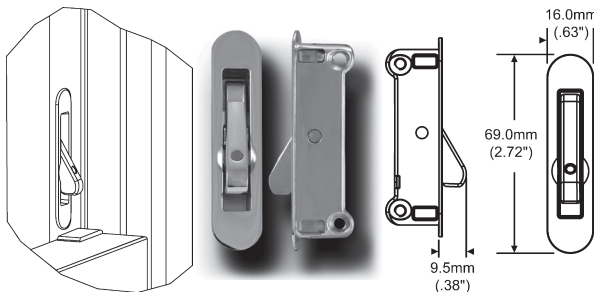
The unit is primarily factory fitted as access to the sash is available prior to installation in the window frame. However, provided the sashes can be removed easily, the Face fix version is also suitable for use where the sashes have already been installed.

Two screws are used to fix each unit in place. Fixing is through the front of the unit and into the sash. The Face fix version is for use on Timber, Vinyl, Aluminium and Fibreglass sashes.

Part Number	Color
50-1367FFBRS	Brass
50-1367FFORBZ	Oil Rubbed Bronze
50-1367FFW	White
50-1367FFCH	Chrome
50-1367FFSCH	Satin Chrome

Packed and Sold as Kit. Kit Contains 2 Devices, 4 Screws and 2 Bumpers

### Side Fix Single Action



The Side Fix version is fitted into the stiles of the Top Sash - one on either side.

The units are single action, so fitting two ensures compliance with ASTM F2090 2008 and 2010.

These units have been Focus group tested and have been proven to be operable without prior knowledge or tools.

The unit is primarily factory fitted as access to the sash is available prior to installation in the window frame. However, provided the sashes can be removed easily, the Side fix version is also suitable for use where the sashes have already been installed.

Two screws are used to fix each unit in place. Fixing is through the side of the unit and into the sash. Screw holes are not visible and the units are therefore tamper-proof. The Side fix version is for use on Timber, Vinyl, Aluminium and Fibreglass sashes.

Part Number	Color
50-1366SFCH	Chrome
50-1366SFORBZ	Oil Rubbed Bronze
50-1366SFW	White

Packed and Sold in Pairs

**TOLL FREE: 800-352-0800**

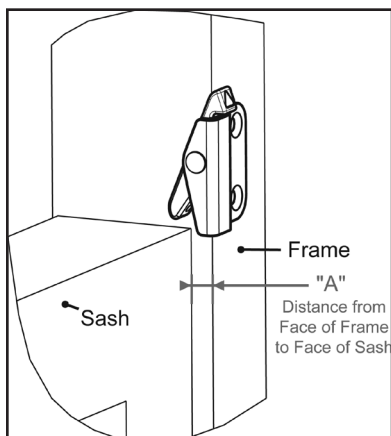
© 2020 PGI.

**strybuc**  
INCUBATED

# WINDOW REPLACEMENT HARDWARE

## WINDOW OPENING CONTROL DEVICES (WOCD)

### Reverse Retrofit Single Action



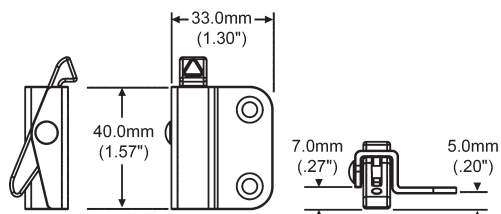
The Reverse Retrofit Angel Ventlock is the ideal limit control device in after-market applications. This Window Opening Control Device (WOCD) can be mounted on a vinyl, wood or aluminum single hung or double hung window.

The Reverse Retrofit Angel Ventlock version attaches to the window frame and must be mounted to restrict the sash opening to less than four inches. These units are single action, so installing one on either side of the window frame ensures compliance with the code ASTM F2090-2008 and 2010.

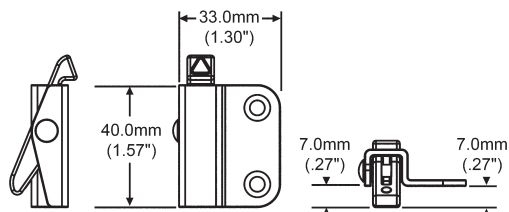
Various sizes and finishes of the Reverse Retrofit version are shown below. Selection is dependent upon the distance from the face of the frame to the face of the sash. Simply measure the distance between the two and choose the part number from the chart below.

All Reverse Retrofit Angel Ventlocks Packed with Screws & Sold in Pairs (RH Shown).

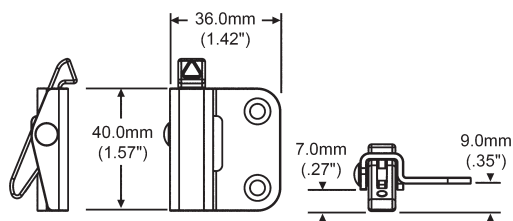
Made of Stamped Steel with Stainless Steel Pin and Spring



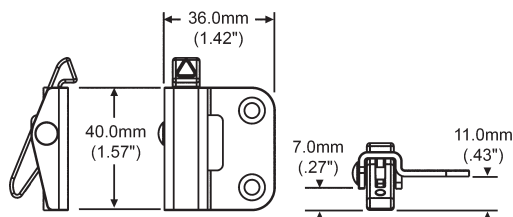
Part Number	Color	"A" Dimension
50-1356XDBCH	Chrome	-5/64" to 0"
50-1356XDBORBZ	Oil Rubbed Bronze	
50-1356XDBW	White	



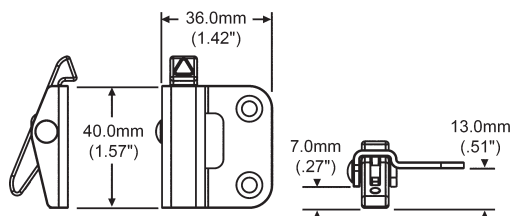
Part Number	Color	"A" Dimension
50-1357DBCH	Chrome	1/32" to 5/64"
50-1357DBORBZ	Oil Rubbed Bronze	
50-1357DBW	White	



Part Number	Color	"A" Dimension
50-1358MBCH	Chrome	1/8" to 5/32"
50-1358MBORBZ	Oil Rubbed Bronze	
50-1358MBW	White	



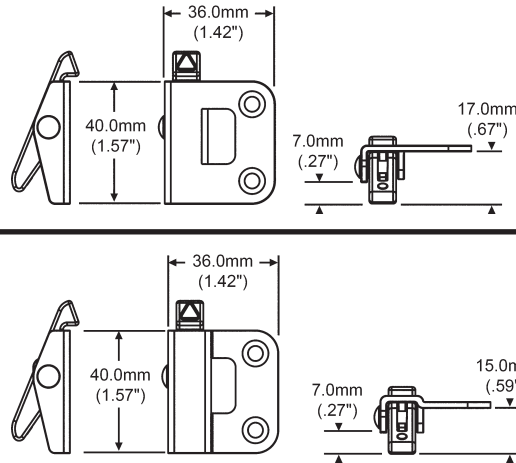
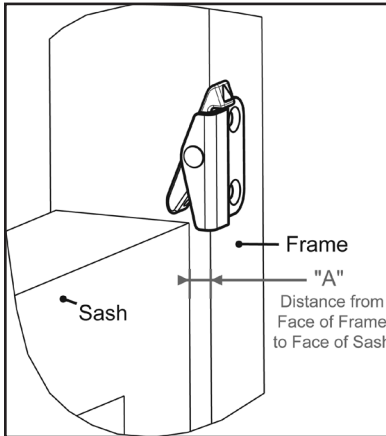
Part Number	Color	"A" Dimension
50-1359MBCH	Chrome	13/64" to 15/64"
50-1359MBORBZ	Oil Rubbed Bronze	
50-1359MBW	White	



Part Number	Color	"A" Dimension
50-1360SBCH	Chrome	9/32" to 5/16"
50-1360SBORBZ	Oil Rubbed Bronze	
50-1360SBW	White	

## WINDOW OPENING CONTROL DEVICES (WOCD)

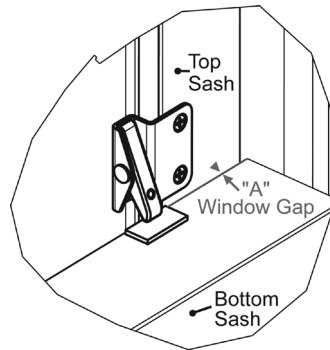
### Reverse Retrofit Single Action



Part Number	Color	"A" Dimension
50-1362FBCH	Chrome	7/16" to 15/32"
50-1362FBORBZ	Oil Rubbed Bronze	
50-1362FBW	White	

Part Number	Color	"A" Dimension
50-1361XSBCH	Chrome	23/64" to 25/64"
50-1361XSBORBZ	Oil Rubbed Bronze	
50-1361XSBW	White	

### Standard Retrofit Single Action

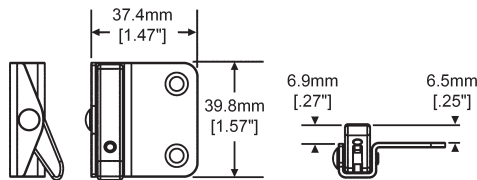


The Standard Retrofit Angel Ventlock is another ideal limit control device for use in after-market applications. This Window Opening Control Device (WOCD) is mounted to the top sash on a double hung wood window.

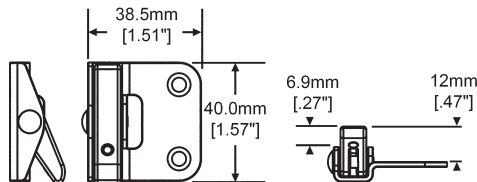
The Standard Retrofit Angel Ventlock version fits into the stile of the top sash and must be mounted to restrict the bottom sash opening to less than four inches. These units are single action, so installing one on either side of the sash ensures compliance with the code ASTM F2090 - 2008 and 2010.

Various sizes and finishes of the Standard Retrofit version are shown below. Selection is determined by measuring the window gap between the top sash and the bottom sash. Simply measure the distance between the two and select the part number from the chart below.

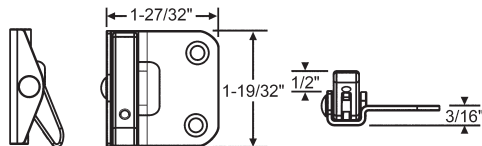
All standard retrofit single action angel ventlocks packed with screws & sold in pairs (RH Shown). made of stamped steel, with stainless steel pin and spring.



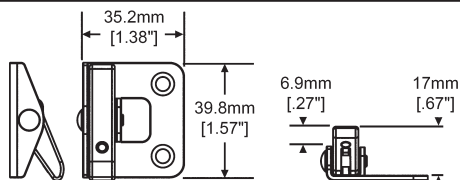
Part Number	Color	Bend	"A" Dimension
50-1363SBORBZ	Oil Rubbed Bronze	Standard	1/8" to 5/32"
50-1363SBW	White	Standard	



Part Number	Color	Bend	"A" Dimension
50-1364SBCH	Chrome	Shallow	5/16" to 11/32"
50-1364SBW	White	Shallow	



Part Number	Color	Bend	"A" Dimension
50-1390SBXCH	Chrome	Shallow w/ Extended Bracket	5/16" to 11/32"
50-1390SBXORBZ	Oil Rubbed Bronze	Shallow w/ Extended Bracket	
50-1390SBXW	White	Shallow w/ Extended Bracket	

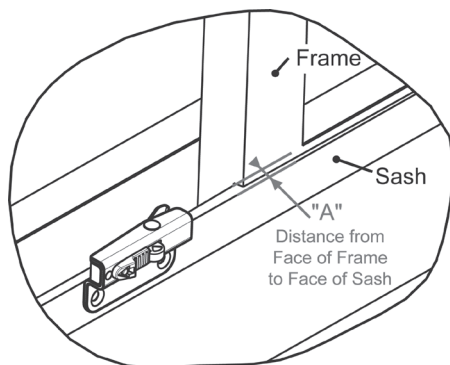


Part Number	Color	Bend	"A" Dimension
50-1365FBCH	Chrome	Flat	33/64" to 35/64"
50-1365FBORBZ	Oil Rubbed Bronze	Flat	
50-1365FBW	White	Flat	

# WINDOW REPLACEMENT HARDWARE

## WINDOW OPENING CONTROL DEVICES (WOCD)

### Reverse Retrofit Dual Action

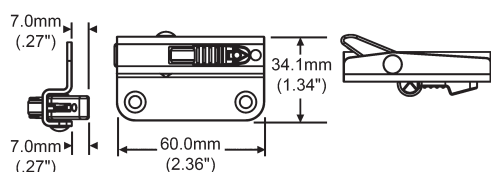


The Dual Action Reverse Retrofit Angel Ventlock is another ideal limit control device for use in aftermarket applications. This Window Opening Control Device (WOCD) is primarily used on sliding windows.

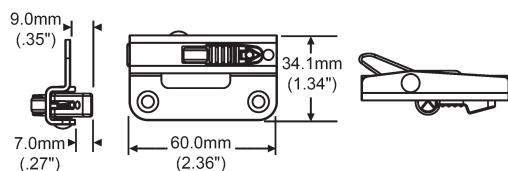
The Dual Action Reverse Retrofit Angel Ventlock version attaches to the window frame and must be mounted to restrict the sash opening to less than four inches. Dual action means that two separate actions are required to operate the unit. Only one dual action unit is required to ensure compliance with the code ASTM F2090-2008 and 2010.

Various sizes and finishes of the Dual Action Reverse Retrofit version are shown below. Selection is dependent upon the distance from the face of the frame to the face of the sash. Simply measure the distance between the two and choose the part number from the chart below.

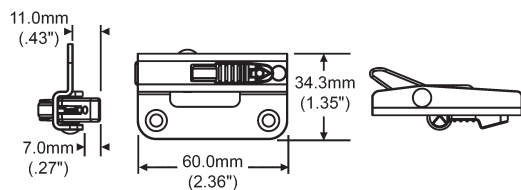
Packed with Screws & Sold Individually Specify RH or LH (RH Shown)  
Made of Stamped Steel with Stainless Steel Pin and Spring



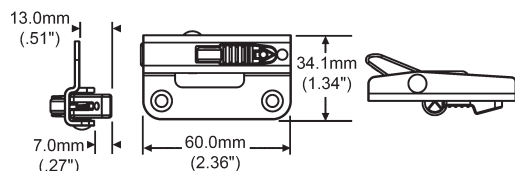
Part Number (Left Hand)	Part Number (Right Hand)	Color	Bend	"A" Dimension
50-1353-DBCH-LH*	50-1353-DBCH-RH	CHROME	DEEP	1/32" to 7/64"
50-1353-DBORBZ-LH*	50-1353-DBORBZ-RH	OIL RUBBED BRONZE		
-	50-1353-DBW-RH	WHITE		



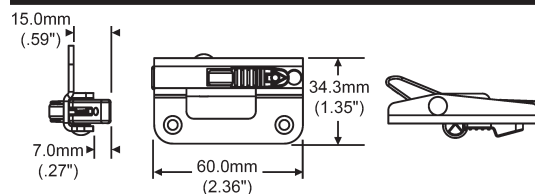
Part Number (Left Hand)	Part Number (Right Hand)	Color	Bend	"A" Dimension
50-1353-MBCH-LH	50-1353-MBCH-RH	CHROME	MEDIUM	1/8" to 3/16"
50-1353-MBORBZ-LH	50-1353-MBORBZ-RH	OIL RUBBED BRONZE		
50-1353-MBW-LH	50-1353-MBW-RH	WHITE		



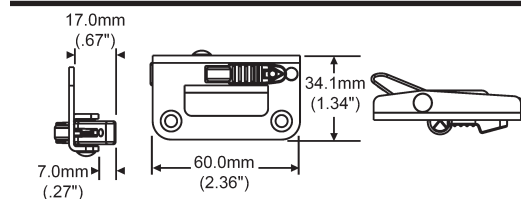
Part Number (Left Hand)	Part Number (Right Hand)	Color	Bend	"A" Dimension
50-1353-M56CH-LH	50-1353-M56CH-RH	CHROME	M56	13/64" to 17/64"
50-1353-M56ORBZ-LH	50-1353-M56ORBZ-RH	OIL RUBBED BRONZE		
50-1353-M56W-LH	50-1353-M56W-RH	WHITE		



Part Number (Left Hand)	Part Number (Right Hand)	Color	Bend	"A" Dimension
50-1353-SBCH-LH*	50-1353-SBCH-RH	CHROME	SHALLOW	9/32" to 11/32"
50-1353-SBORBZ-LH*	50-1353-SBORBZ-RH	OIL RUBBED BRONZE		
-	50-1353-SBW-RH	WHITE		



Part Number (Left Hand)	Part Number (Right Hand)	Color	Bend	"A" Dimension
50-1353-XSBCH-LH	50-1353-XSBCH-RH	CHROME	XSB	23/64" to 27/64"
50-1353-XSBORBZ-LH	50-1353-XSBORBZ-RH	OIL RUBBED BRONZE		
50-1353-XSBW-LH	50-1353-XSBW-RH	WHITE		

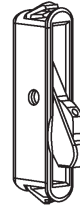
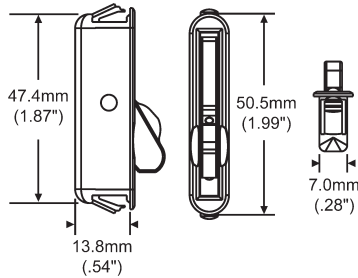


Part Number (Left Hand)	Part Number (Right Hand)	Color	Bend	"A" Dimension
50-1353-FBCH-LH	50-1353-FBCH-RH	CHROME	FLAT	7/16" to 33/64"
50-1353-FBORBZ-LH	50-1353-FBORBZ-RH	OIL RUBBED BRONZE		
50-1353-FBW-LH	50-1353-FBW-RH	WHITE		

\*call for availability

## WINDOW OPENING CONTROL DEVICES (WOCD)

### Mini Angel



The Mini Angel is for use on Vinyl, Aluminum and Fiberglass double and single hung sash windows.

The units are single action, so fitting two ensures compliance with ASTM F2090 - 2008 and 2010.

The Mini Angel is fitted into the stiles of the top sash - one on each side.

The units are single action, so fitting two ensures compliance with ASTM F2090 - 2008 and 2010.

The unit is primarily factory-fitted as access to the sash is required. However, provided the sashes can be removed easily, the Mini Angel is also suitable for use where the sashes have already been installed.

The unit is clipped into a slot in the face of the top sash. The units are therefore tamper-proof.

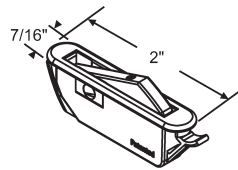
Part Number	Color
50-1453TN	Tan
50-1453W	White

Packed and Sold Individually

## PLASTIC WINDOW OPENING CONTROL DEVICES (WOCD)

All of the following WOCD single and dual action devices on this page are tested and comply with the ASTM F2090-2008 & 2010 code when properly installed.

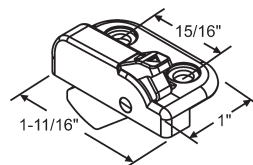
Other finishes available but may require minimum quantities. Other WOCD's available upon request. Detailed drawings available with instructions. Please contact your account manager for details.



Fits slot size 1.89" x .284"

The 50-2000 series is a single action WOCD. This device is designed to fit into the stile of an opposing sash and is engineered for insertion directly into a standard vent stop slot. With a housing that will fit any wall thickness from (0.05") to (0.13"), the 50-2000 series is the most versatile WOCD on the market. This WOCD can be installed both in the factory and in the field in just a few seconds.

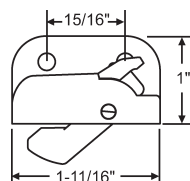
Part Number	Finish
50-2000BEW	Blue White



Our 50-2007 series is a single action WOCD designed to install directly to the face of the window jamb and interact with the active sash of any hung or sliding window. This device comes with mounting hardware for proper installation and is available in right & left handing. The 50-2007 series was designed to be applied in the field or in the factory.

Part Number	Finish
50-2007BEW	Blue White

Packed and Sold in Pairs. Left Hand Shown



Our 50-2008 series is a single action WOCD designed to install directly to the window jamb extension or return and interact with the active sash of any hung or sliding window. This device comes with mounting hardware to assure proper installation and is available in right & left handing. The 50-2008 series was designed to be applied in the field or in the factory.

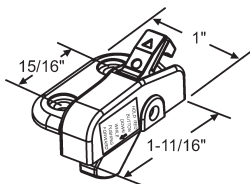
Part Number	Finish
50-2008BEW	Blue White

Packed and Sold in Pairs. Left Hand Shown



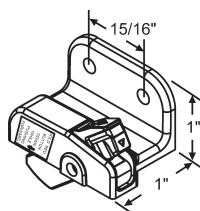
# WINDOW REPLACEMENT HARDWARE

## PLASTIC WINDOW OPENING CONTROL DEVICES (WOCD)



Our 50-2003 series is a dual action WOCD designed to install directly to the face of the window jamb and interact with the active sash of any hung or sliding window. This device comes with mounting hardware to assure proper installation and is available in right & left handing. The 50-2003 series was designed to be applied in the field or in the factory.

Part Number	Handing	Finish
50-2003LHBEW	LH (shown)	Blue White
50-2003RHBEW	RH	Blue White



Our 50-2005 series is a dual action WOCD designed to install directly to the window jamb extension or return and interact with the active sash of any hung or sliding window. This device comes with mounting hardware to assure proper installation and is available in right & left handing. The 50-2005 series was designed to be applied in the field or in the factory.

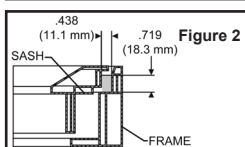
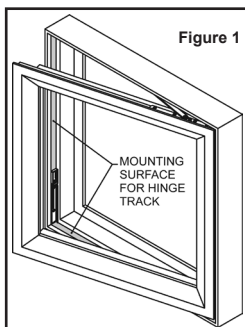
Part Number	Handing	Finish
50-2005LHBEW	LH (shown)	Blue White
50-2005RHBEW	RH	Blue White

## WINDOW OPENING CONTROL DEVICES (WOCD)

### SafeGard™ Limiting Control Device for Casement Windows



### SafeGard™ Provides Peace Of Mind On Casement Window Applications.



Part Number	Handing
39-933LH	LH
39-933RH	RH

Includes: Arm Assembly, Track Assembly, Template, Window Label, Screw Pack (4 screws) and Operating and Installation Instructions.

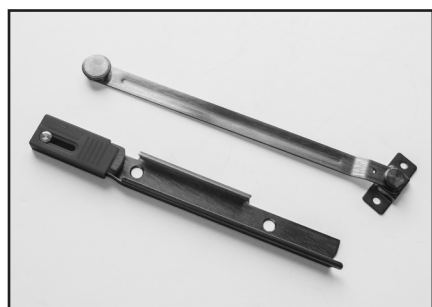
- The SafeGard™ is the Industry's first limiting control device offered for casement windows.
- The SafeGard™ Limit Device was tested & certified to meet ASTM F2090-10 code requirements. The ASTM F2090 addresses window fall prevention, that helps protect against potential falls by children through open windows.
- The SafeGard™ Limit Device provides a means that will limit the venting of the window to less than 4".
- As required by code, the SafeGard™ Limit Device has a two (2) action operation to fully open the window for egress purposes. This operation can be performed without the use of keys or tools.
- Easy to follow opening and release instructions appear on the vent arm. Note: The device will re-latch or reset automatically when window is in closed position.
- The SafeGard™ Limit Device's track, arm and rivet are made entirely of authentic stainless steel with Delran cover and tab.
- The SafeGard™ Limit Device is reliable, easy to install and easy to operate. This device meets today's more stringent safety requirements. Please consult local building codes for WOCD and applicable requirements.

### Ordering Instructions:

1. Determine window handing by viewing from the outside looking in. If the casement window hinge is on the right side, you need a right hand limiting device.
2. Confirm the hinge cavity on your casement window (See Fig. 2). The hinge cavity needs to be .719 (23/32") wide x .438 (7/16") deep.

Note: The SafeGard™ Limiting Control Device will only work in casement windows that have a standard 2-bar hinge cavity with measurements as stated above.

**This Device is Not Designed for Awning Windows.  
This Device is Not Designed for Casement Windows with a 4-Bar Hinge.**



LH Arm



RH Arm