

Window hinges

Introducing Radisson's superior line
of window hinges



We are proud to introduce an innovative new line
of premium window hinges:

- Washability
- Egress
- Awning
- Cavity fit restrictor

All are available in standard 430-grade stainless steel and 304
austenitic stainless steel.



5500 Series

Washability Hinges

The washability feature allows end users to easily clean opened sash, inside and out, directly from the interior.

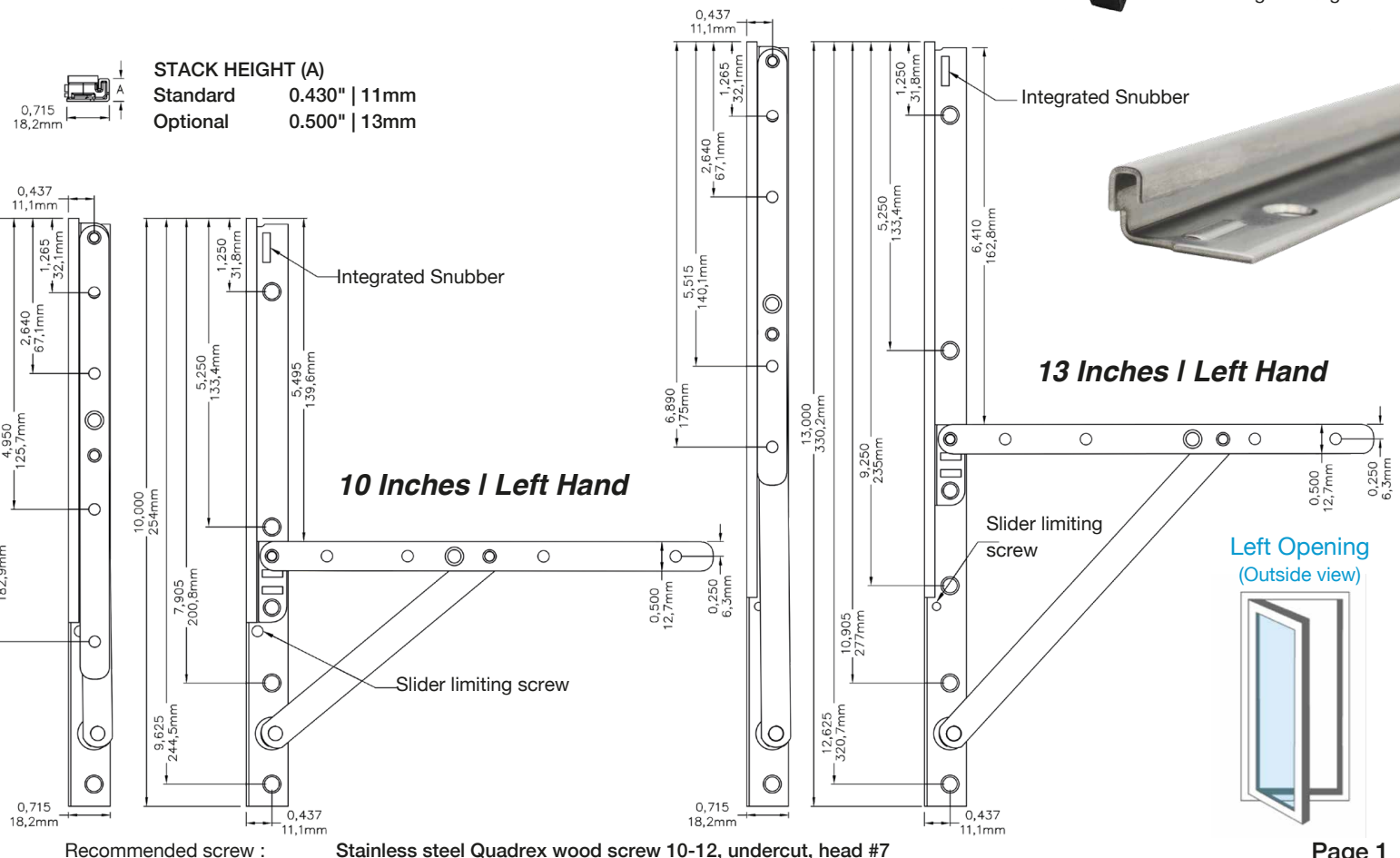
Features

- High performance slider with a deeper interlocking track, for superior results on impact and load testing
- Integrated snubber for extra security and superior strength in blow out and impact testing
- Extra fixing holes to prevent bending and increase heavy sash stability
- Adjustable eccentric track rivets for and easy on- an off-the-field adjustment (see page 2)
- Clip-on feature to strongly secure the sash to the frame
- Fast and secure snap-on attachment
- Available in standard 430 grade stainless steel or optional austenitic 304
- Available in a range of 10- to 26-inch versions
- Heavy duty stainless steel track (0.040" | 1.02mm of thickness)
- Same hole configurations as industry standards
- Available in both 10- and 13-inch versions

Options

- Available pre-assembled for cost and time savings on production lines
- 0.500" | 12.7mm stack height to accomodate custom extrusions
- Positioning marking tools

1.0 5500 | Specifications



5200 Series

Egress Hinges

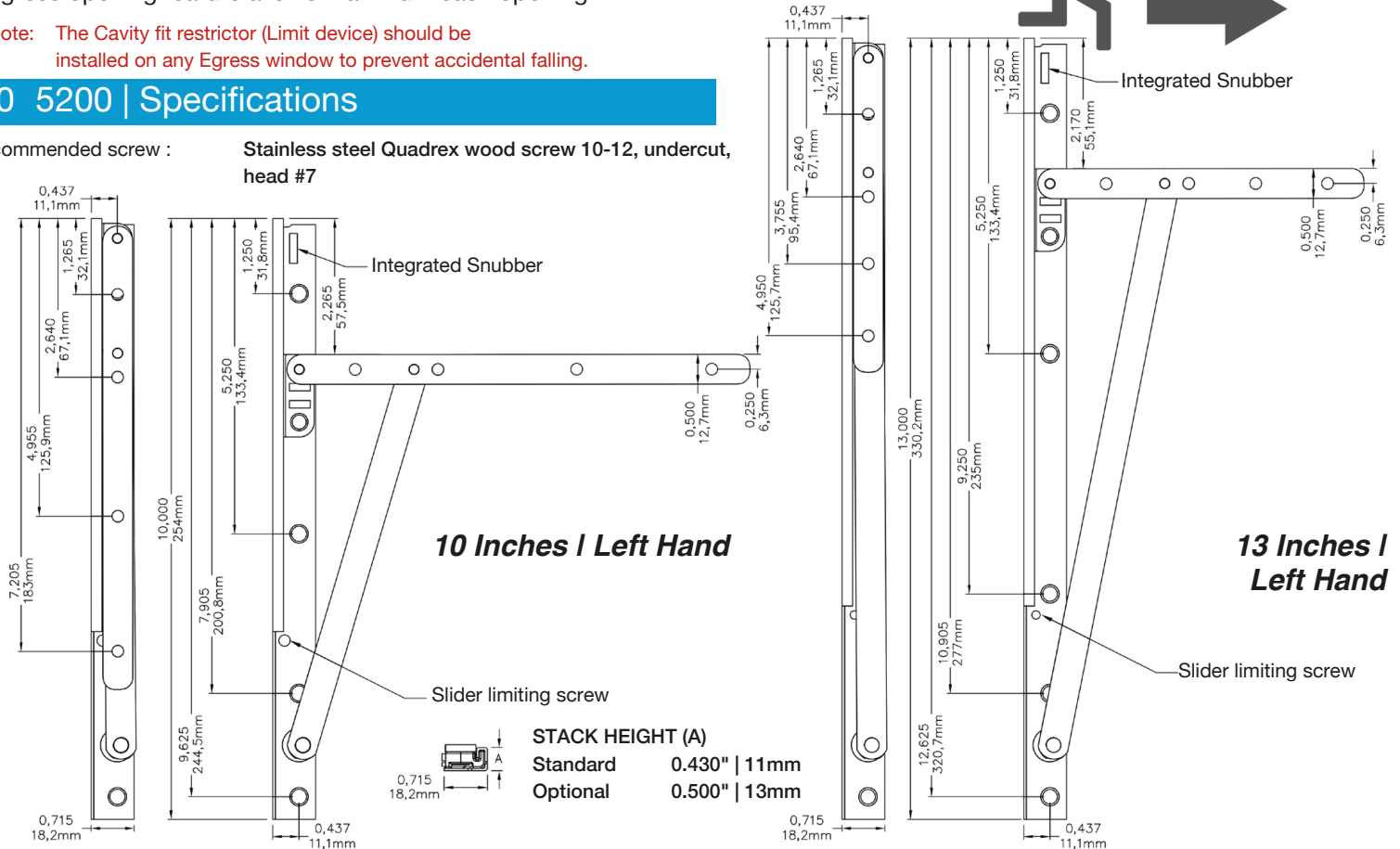
Egress opening feature allows maximum sash opening.

Note: The Cavity fit restrictor (Limit device) should be installed on any Egress window to prevent accidental falling.

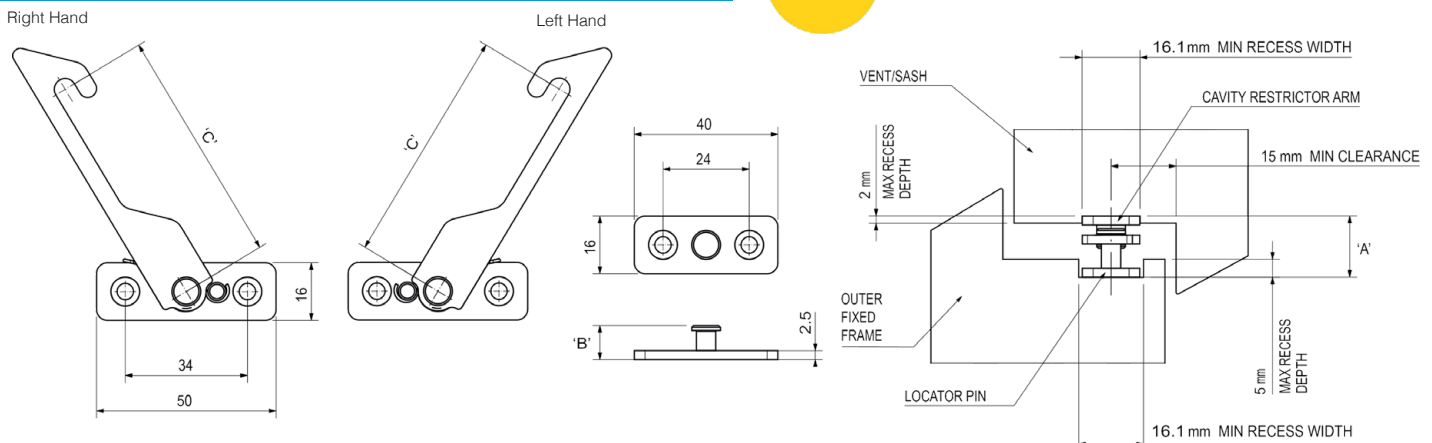
2.0 5200 | Specifications

Recommended screw :

Stainless steel Quadrex wood screw 10-12, undercut, head #7



2.1 Cavity Fit Restrictor | Specifications



RESTRICTOR ARM

PART #	«A»	«B»	«C»
LO-200X-SS	N/A	N/A	65.5mm
LO-210X-SS	N/A	N/A	115.5mm
LO-220X-SS	N/A	N/A	165.5mm

Replace the variable X with the desired value to specify left or right hand : L = Left Hand R = Right Hand

ATTACHMENT PIN

PART #	«A»	«B»	«C»
LOK-200-09	13-14mm	9.5mm	N/A
LOK-200-11	13-14mm	11.5mm	N/A
LOK-200-13	16-17mm	13.5mm	N/A
LOK-200-14	17-18mm	14.5mm	N/A

5100 Series

Awning Hinges

Our line of adjustable awning hinges can easily accommodate sash as large as 60 inches* and provide ease of operation.

*Subject to maximum weight limitations. Please refer to Maximum Frame Height & Sash Weight for AWNING Hinges on page 4.

Features

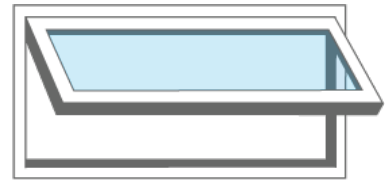
- Adjustable friction slider shoe to prevent sash rattling
- Adjustable eccentric track rivets for and easy on- an off-the-field adjustment (see page 2)
- Clip-on feature for strongly securing the sash to the frame
- Integrated snubber for extra security and superior strength in blow out and impact testing
- Extra fixing holes to prevent bending and increase heavy sash stability
- Available in a range of 10- to 26-inch versions
- Available in standard 430 grade stainless steel or optional austenitic 304
- Heavy duty stainless steel track (0.040" | 1.02mm of thickness)
- Same hole configurations as industry standards

Options

- Available pre-assembled for cost and time savings on production lines
- 0.500" | 12.7mm stack height to accomodate custom extrusions
- Heavy duty slider limiter for enhanced security
- Positioning marking tools



Attachment clip is required on awning window hinges. Under no circumstances should a casement hinge with a snap-on stud be used on awning windows. Due to the rotational forces applied by an awning sash, the snap stud can work its way apart, allowing the sash to fall out and cause a serious threat of injury to individuals below.

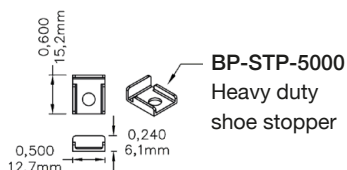


3.0 5100 | Specifications

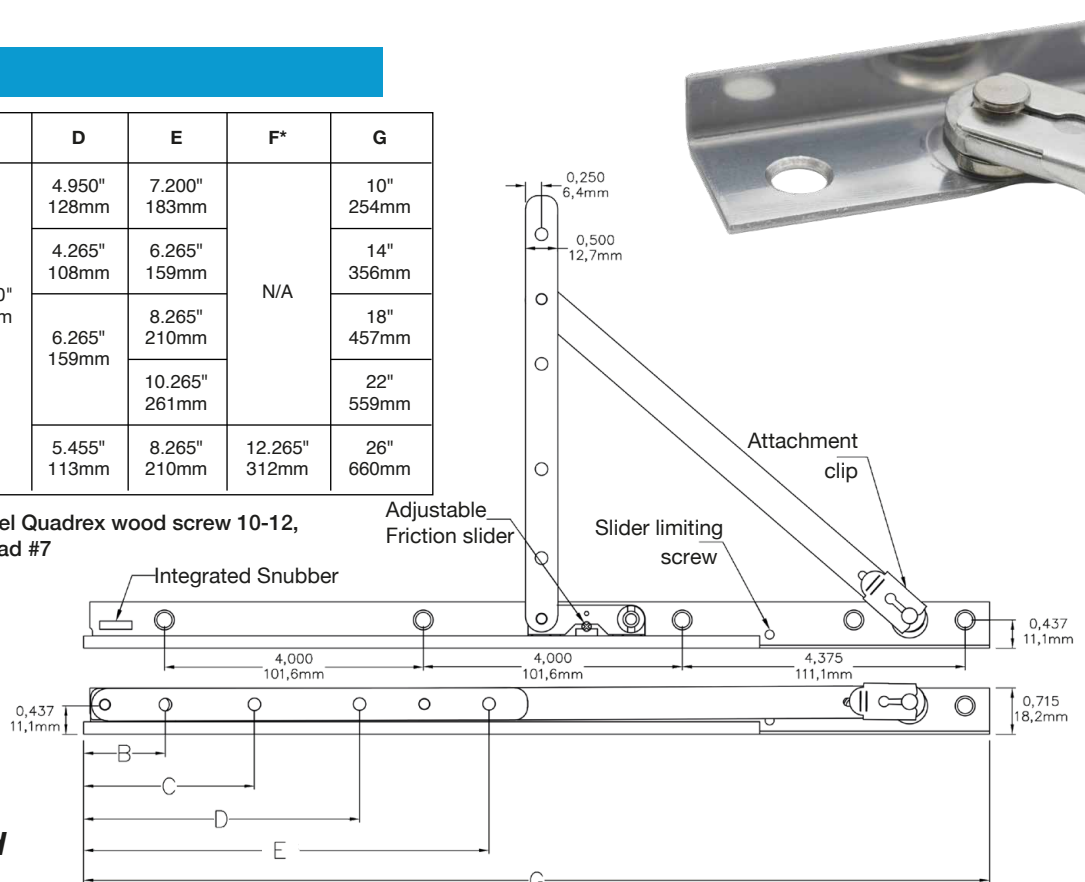
PART NUMBER	B	C	D	E	F*	G
BPRP-5100-10D/G	1.265" 32mm	2.640" 67mm	4.950" 128mm	7.200" 183mm	N/A	10" 254mm
BPRP-5100-14D/G			4.265" 108mm	6.265" 159mm		14" 356mm
BPRP-5100-18D/G			6.265" 159mm	8.265" 210mm		18" 457mm
BPRP-5100-22D/G				10.265" 261mm		22" 559mm
BPRP-5100-26D/G			5.455" 113mm	8.265" 210mm	12.265" 312mm	26" 660mm

Recommended screw :

Stainless steel Quadrex wood screw 10-12, undercut, head #7



14 Inches | Left Hand



4.0 Maximum Frame Size & Sash Weight

Hardware Comparison: NAFS Casement Window Hardware Load Test (North American Fenestration Standard)



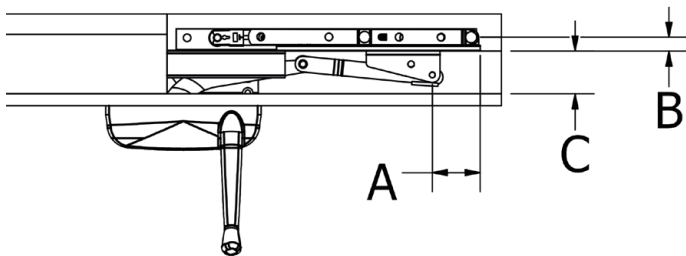
Many factors in addition to the hardware dictate maximum casement window size. These include sash and frame stiffness and strength, screw holding strength, sash sag, weathertightness, and weatherstrip drag. For this reason, we recommend careful evaluation of the entire window before producing units as large as this matrix suggests.

STANDARD					EGRESS				
		BPRPS-5600-10D/G		BPRPS-5600-13D/G		BPRPS-5300-10D/G		BPRPS-5300-13D/G	
4.1 Dyad arm		Max Frame (Width x Height)	Max Weight (With Glass)	Max Frame (Width x Height)	Max Weight (With Glass)	Max Frame (Width x Height)	Max Weight (With Glass)	Max Frame (Width x Height)	Max Weight (With Glass)
	OPS-30601D/G OPS-30602D/G	24" x 60" (609mm x 1524mm)	45 lb. (20 kg)	24" x 60" (609mm x 1524mm)	55 lb. (25 kg)	NOT RECOMMENDED			
	OPS-30608D/G	24" x 72" (609mm x 1828mm)	53 lb. (24 kg)	24" x 72" (609mm x 1828mm)	53 lb. (24 kg)	24" x 72" (609mm x 1828mm)	53 lb. (24 kg)	24" x 72" (609mm x 1828mm)	53 lb. (24 kg)
4.2 Dual arm									
	OPS-30603D/G OPS-30604D/G	32" x 72" (812mm x 1828mm)	83 lb. (38 kg)	40" x 84" (1016mm x 2133mm)	110 lb. (50 kg)	32" x 68" (812mm x 1724mm)	69 lb. (31 kg)	32" x 68" (812mm x 1724mm)	69 lb. (31 kg)
	OPS-30605D/G	24" x 84" (609mm x 2133mm)	70 lb. (32 kg)	NOT RECOMMENDED		28" x 78" (711mm x 1981mm)	69 lb. (31 kg)	28" x 78" (711mm x 1981mm)	69 lb. (31 kg)
	OPS-30615D/G	24" x 84" (609mm x 2133mm)	70 lb. (32 kg)	24" x 84" (609mm x 2133mm)	85 lb. (38 kg)	NOT RECOMMENDED			
4.3 Straight arm									
	OP-30621D/G OP-30681D/G	NOT RECOMMENDED				22" x 63" (559mm x 1600mm)	42 lb. (19 kg)	22" x 63" (559mm x 1600mm)	42 lb. (19 kg)
	OP-30622D/G OP-30682D/G	24" x 62" (609mm x 1575mm)	19 lb. (9 kg)	NOT RECOMMENDED		24" x 65" (609mm x 1651mm)	48 lb. (22 kg)	24" x 65" (609mm x 1651mm)	48 lb. (22 kg)
	OP-30623D/G OP-30683D/G	26" x 69" (660mm x 1753mm)	41 lb. (18 kg)	NOT RECOMMENDED		26" x 65" (660mm x 1651mm)	52 lb. (24 kg)	26" x 65" (660mm x 1651mm)	52 lb. (24 kg)

		STANDARD									
		BPRP-5100-10D/G		BPRP-5100-14D/G		BPRP-5100-18D/G		BPRP-5100-22D/G		BPRP-5100-26D/G	
4.4 Awning		Max Sash Height (Width x Height)	Max Weight (With Glass)	Max Sash Height (Width x Height)	Max Weight (With Glass)	Max Sash Height (Width x Height)	Max Weight (With Glass)	Max Sash Height (Width x Height)	Max Weight (With Glass)	Max Sash Height (Width x Height)	Max Weight (With Glass)
	OP-30609	10" - 14"	7 lb.	14" - 19"	20 lb.	19" - 26"	38 lb.	26" - 34"	50 lb.	34" - 42"	61 lb.
	OP-30606	(254mm - 355mm)	(3 kg)	(355mm - 482mm)	(9 kg)	(482mm - 660mm)	(17 kg)	(660mm - 864mm)	(22 kg)	(864mm - 1067mm)	(28 kg)



Attachment clip is required on awning window hinges. Under no circumstances should a casement hinge with a snap-on stud be used on awning windows. Due to the rotational forces applied by an awning sash, the snap stud can work its way apart, allowing the sash to fall out and cause a serious threat of injury to individuals below.



The table 13.1 & 13.2 assumes the following typical mounting positions:

- A - Stud bracket position 1.750"
- B - Hinge position 0.437"
- C - Operator position 1.938"

Larger dimensions than these typical positions will not be able to support windows as large as the ones shown in this table.


Smaller dimensions may be able to support larger windows.

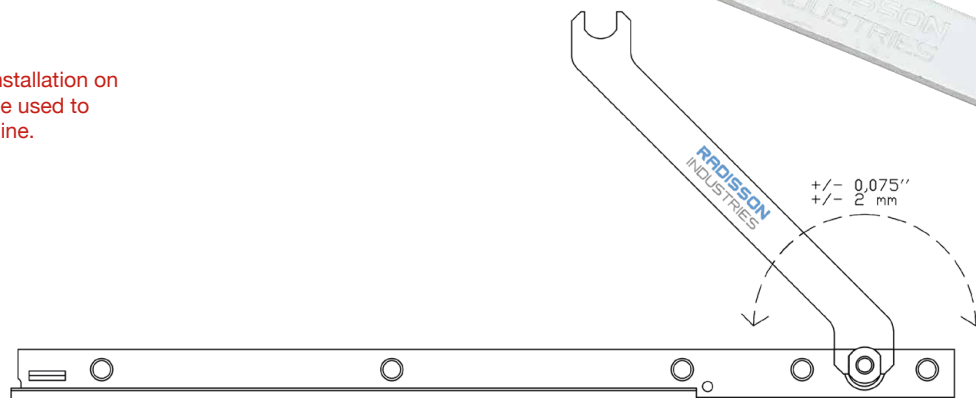


5.0 Hinge track adjustment

Sash adjustments can be easily made with the slim wrench tool
BP-TLS-5500-01. (sold separately)

1. Fully open the window
2. Slide the wrench onto the eccentric adjustable rivet
3. Turn the adjustable stud to the left or right to square the sash. The maximum sash drag adjustment is reached when the adjustable stud is turned 90° from the neutral position

 This procedure is intended for window installation on construction sites only. It should never be used to square the sash on a window assembly line.



Ordering information

**The company has an ongoing development program and therefore reserves the right to make alterations without notice. Products that are not stocked items will be subject to longer lead times. Please confirm with your Radisson representative.*

Casement hinges

Part Number	Description	Box/Qty.
BPS-52XY-1ZDSS	Stainless Steel adjustable EGRESS snap on hinge right hand	100
BPS-52XY-1ZGSS	Stainless Steel adjustable EGRESS snap on hinge left hand	100
BPS-55XY-1ZDSS	Stainless Steel adjustable WASHABILITY hinge snap on right hand	100
BPS-55XY-1ZGSS	Stainless Steel adjustable WASHABILITY hinge snap on left hand	100
RPS-560Y-1ZDSS	Stainless Steel adjustable snap on track right hand	100
RPS-560Y-1ZGSS	Stainless Steel adjustable snap on track left hand	100

Replace the variable **X** with the desired value to specify stack height :

0 = Standard 0.430" (10.9 mm)
1 = 0.500" (12.7 mm)

Replace the variable **Y** with the desired value to specify material :

0 = Standard 430 stainless steel
1 = Optional 304 austenitic stainless steel (coastal applications)

Replace the variable **Z** with the desired value to specify hinge length :

0 = Ten inches
3 = Thirteen inches

Awning hinges

Part Number	Description	Box/Qty.
BP-51XY-ZZDSS	Stainless Steel adjustable AWNING 2 bar hinge standard right hand	100
BP-51XY-ZZGSS	Stainless Steel adjustable AWNING 2 bar hinge standard left hand	100
RP-510Y-ZZDSS	Stainless Steel adjustable AWNING track right hand	100
RP-510Y-ZZGSS	Stainless Steel adjustable AWNING track left hand	100

Replace the variable **ZZ** with the desired value to specify hinge length :

-10
-14
-18
-22
-26

Certifications



ASTM B117-16 | CORROSION TESTED

Corrosion salt spray tested for over 312 hours



AAMA 901.16 | ROTARY & LINEAR OPERATOR

8,000 cycles without any compromise in performance



AAMA 904.14 | MAXIMUM LOAD TESTED

Maximum load capacity of 130lb.*

* Maximum load permitted for the AAMA hardware load test. Refer to the chart on page 4, section 4.0 for the maximum weight recommended by Radisson Industries to ensure ease of operation.



LIFETIME WARRANTY

**Our products are warranted against all manufacturing defects and malfunctions of the material used during fabrication.

Maintenance

We strongly recommend performing hardware maintenance at least once a year or more depending on need. Regular cleaning and lubrication of these items will prolong component life and keep them working properly.

Cleaning

For optimal corrosion resistance, always keep the surfaces clean. This can be achieved by wiping them with a damp clean cloth using either a very mild detergent or soap, then rinsing with warm, clean water to avoid soap residue build-up and drying with a soft cloth. Do NOT use abrasive, chemical, acidic or citrus-based cleaners, gasoline, wire brushes, scrubbers, and wire wool. They can permanently alter or damage surfaces or hardware finishes.

Lubrication

Because of their sealing properties, petroleum-based lubricant sprays (e.g., WD-40) are highly recommended for lubricating functioning hardware.

Contact us

RADISSON INDUSTRIES

INNOVATIVE COMPONENTS

www.radissonindustries.com

136, Rue Leon-Vachon
St-Lambert-de-Lauzon
Quebec, G0S 2W0
CANADA

Toll Free :

1-866-889-9032

Ph: 1-418-889-9032

Fax: 1-418-889-0103

General Inquiries :

info@industriesradisson.com

Purchase Orders:

intlorders@industriesradisson.com

About us

A FAMILY STORY

Radisson Industries is a family business specializing in designing and manufacturing innovative door and window hardware components.

In 1996, after 40 years of experience in processing metals for the construction industry, we put our knowledge and expertise to work to serve door and window manufacturers.

Now, 24 years later, we've established ourselves as a major player in the window industry.

OUR MISSION

To design and manufacture innovative, quality hardware products and work hand-in-hand with customers, from production to marketing, so that they can maximize profitability.



** Failure to ensure proper maintenance in accordance with the above instructions will invalidate the replacement warranty. Does not cover normal wear and tear, discoloration, rust, or any other alteration of the finishes. This warranty will not be honored if the product is not used or maintained properly or if it has been modified or improperly installed.