

# Window Operators

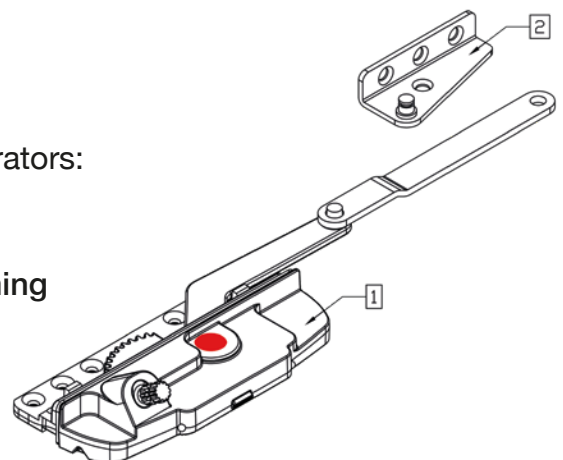
## Evolution Series



We are proud to present our innovative line of premium window operators:

- Dyad
- Reverse Dyad
- Dual
- Egress Short Dual
- Washability Short Dual
- Low Profile Dual
- Awning
- Short Awning
- Straight

All are available in standard powder-coated and 304 austenitic stainless steel.



## 30601 Evolution Series Dyad Arm

Designed for frames in widths from 16. to 24 inches.



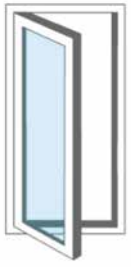
Left hand shown

### Features

- Optimized precision mechanism thanks to the innovative patented design
- Snap-on cover allows for free installation and reduces inventory costs
- Snap-on feature for fast and secure operator attachment with sashes
- Optimized gear ratio to make operation easier and help meet ADA requirements
- Pre-installed gasket and optimized sealed housing to reduce risks of water and air infiltration
- Available in powder-coated steel or optional 304 austenitic stainless steel for coastal applications

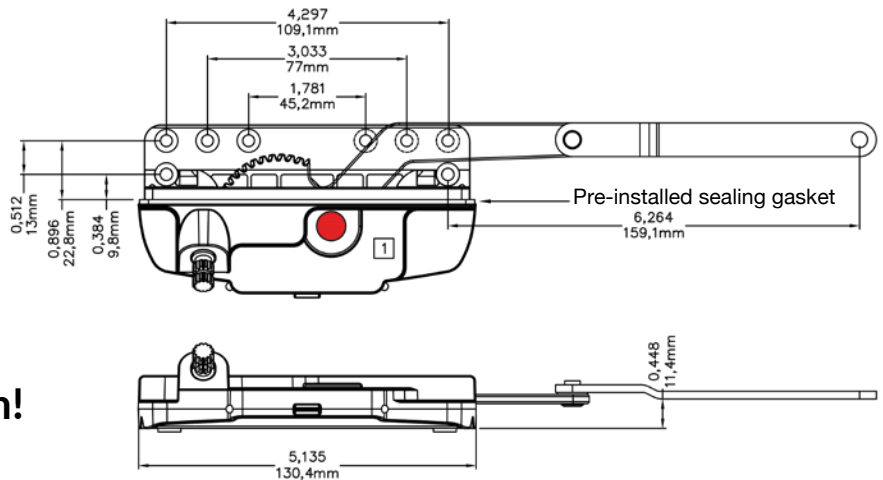
### 1.0 Dyad | Specifications

Left Opening  
(Outside view)



#### Left Hand Shown

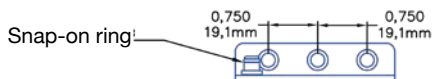
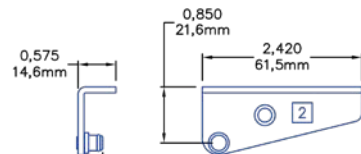
Operator handing is determined by the hinge side when looking at the window from the outside.



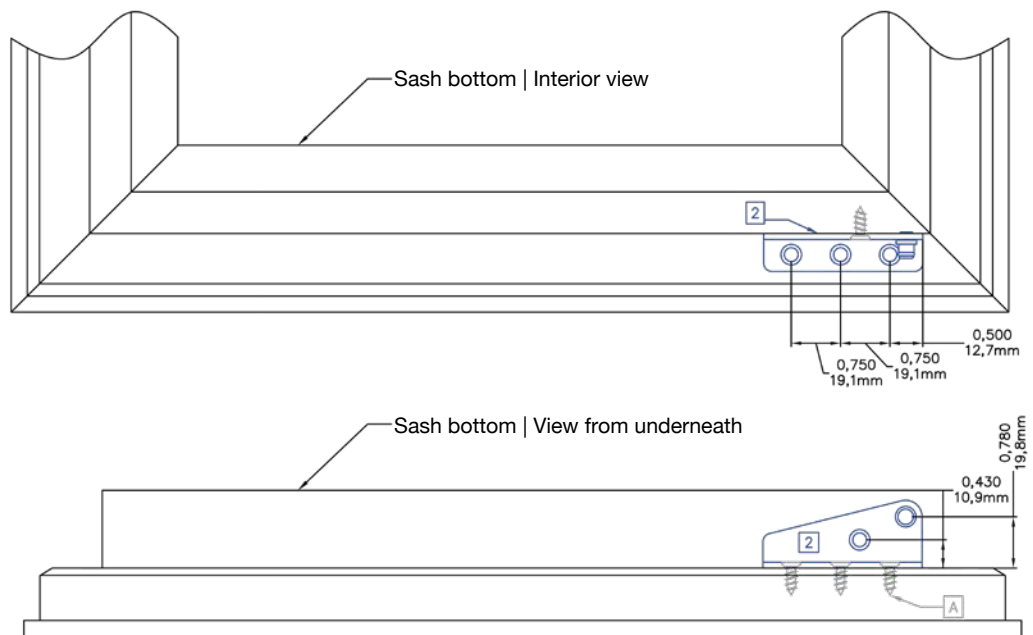
### 1.1 Dyad | Application



\*Please note that the following drawings are only generic PVC drawings and that your actual application may vary depending on your extrusion profile. Contact a Radisson sales representative for further information.

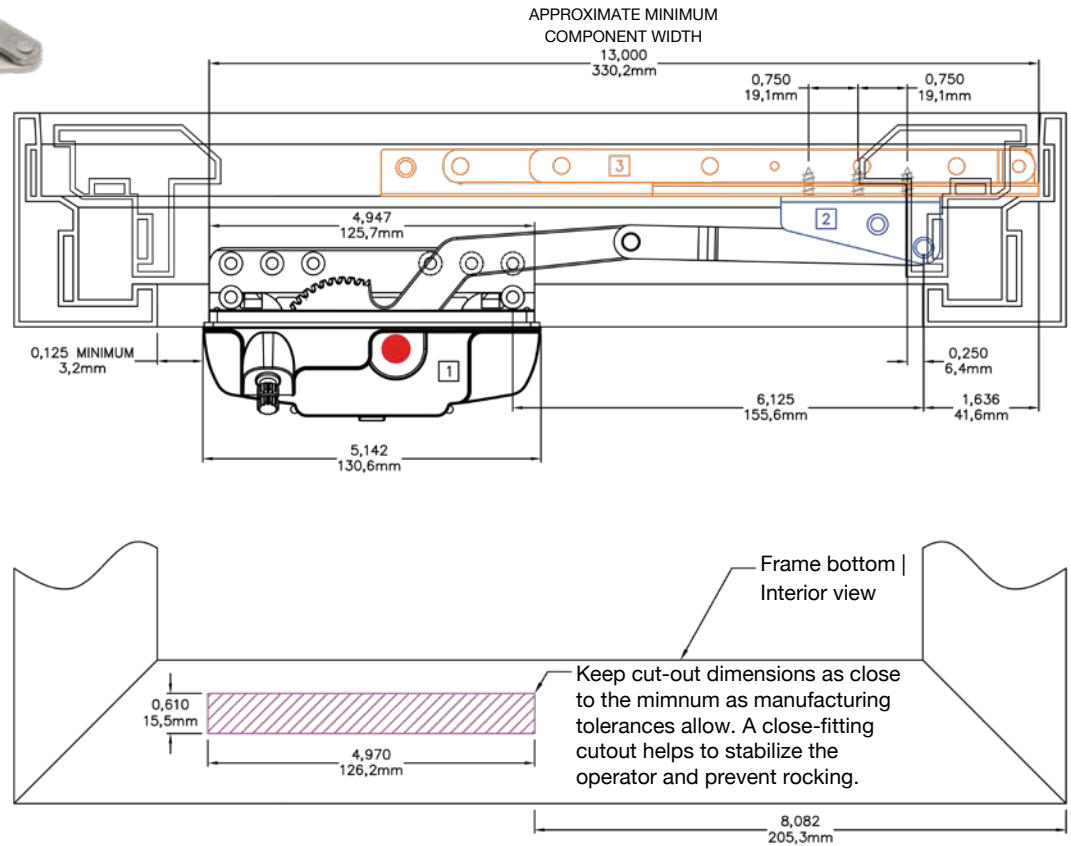
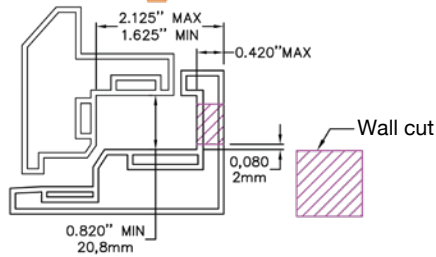
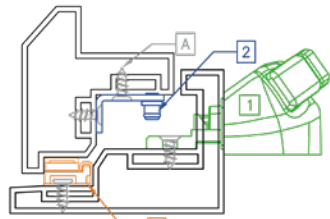


Snap-on ring:





Left hand shown



## 1.2 Dyad | Part list

- |   |  |
|---|--|
| <p>1 OPS-30601G   Evolution left hand RD dot dyad arm operator</p> <p>2 OPS-10327   "L" shape snap-on stud bracket for LH operator</p> <p>3 BPRPS-5600-10GSS   Adjustable 10" wash. hinge kit, snap on LH</p> | <p>A Recommended screw: 10-12 large thread, flat undercut #7</p> |
|---|--|

## 1.3 Dyad | Ordering

*"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."*

Part Number	Description	Box/Qty.
OPS-30601D-XX	Evolution Dyad arm, right hand <b>GREEN</b> dot operator	20
OPS-30601G-XX	Evolution Dyad arm, left hand <b>RED</b> dot operator	20
OPS-10326-XX	"L" shape snap-on stud bracket for right hand operator	200
OPS-10327-XX	"L" shape snap-on stud bracket for left hand operator	200



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

Blank = Standard powder-coated  
SS = Optional 304 austenitic stainless steel (coastal applications)

## 30608 Evolution Series

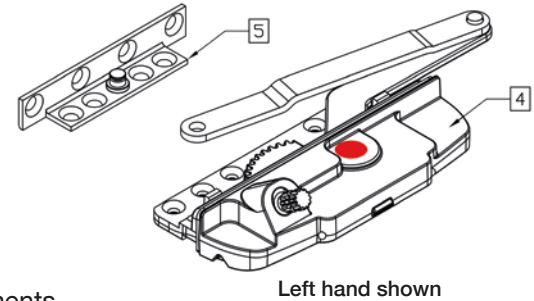
# Reverse Dyad Arm

Designed for narrow frames in widths down to 12 inches.

Depending upon the thickness of the frame.

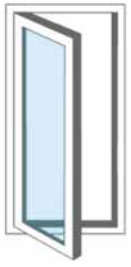
## Features

- Optimized precision mechanism thanks to the innovative patented design
- Snap-on cover allows for free installation and reduces inventory costs
- Snap-on feature for fast and secure operator attachment with sashes
- Optimized gear ratio to make operation easier and help meet ADA requirements
- Pre-installed gasket and optimized sealed housing to reduce risks of water and air infiltration
- Available in powder-coated steel or optional 304 austenitic stainless steel for coastal applications



## 2.0 Reverse dyad | Specifications

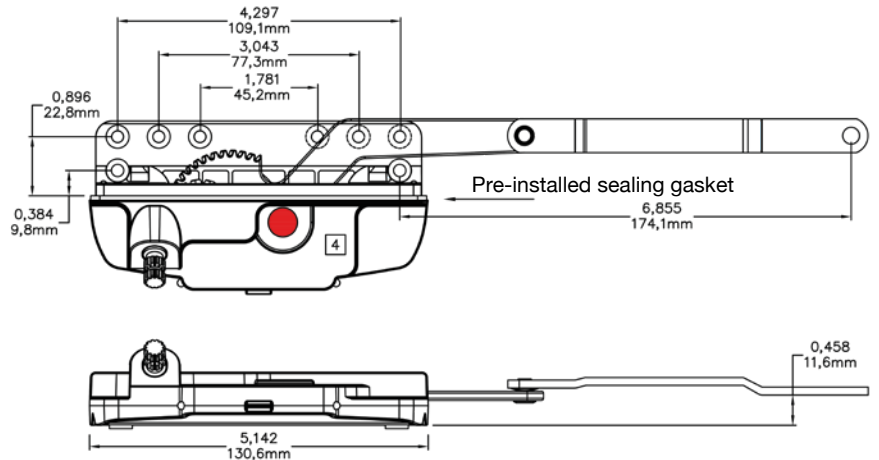
Left Opening  
(Outside view)



Left Hand Shown

Operator handing is determined by the hinge side when looking at the window from the outside.

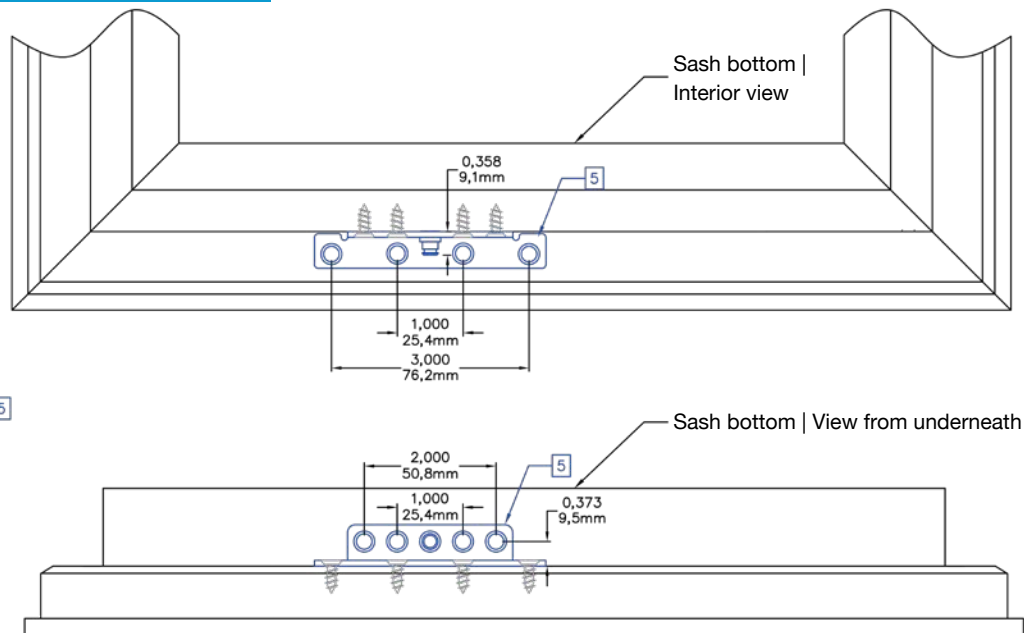
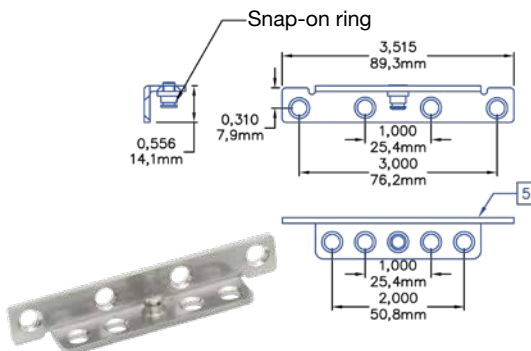
 **Easy Transition!**



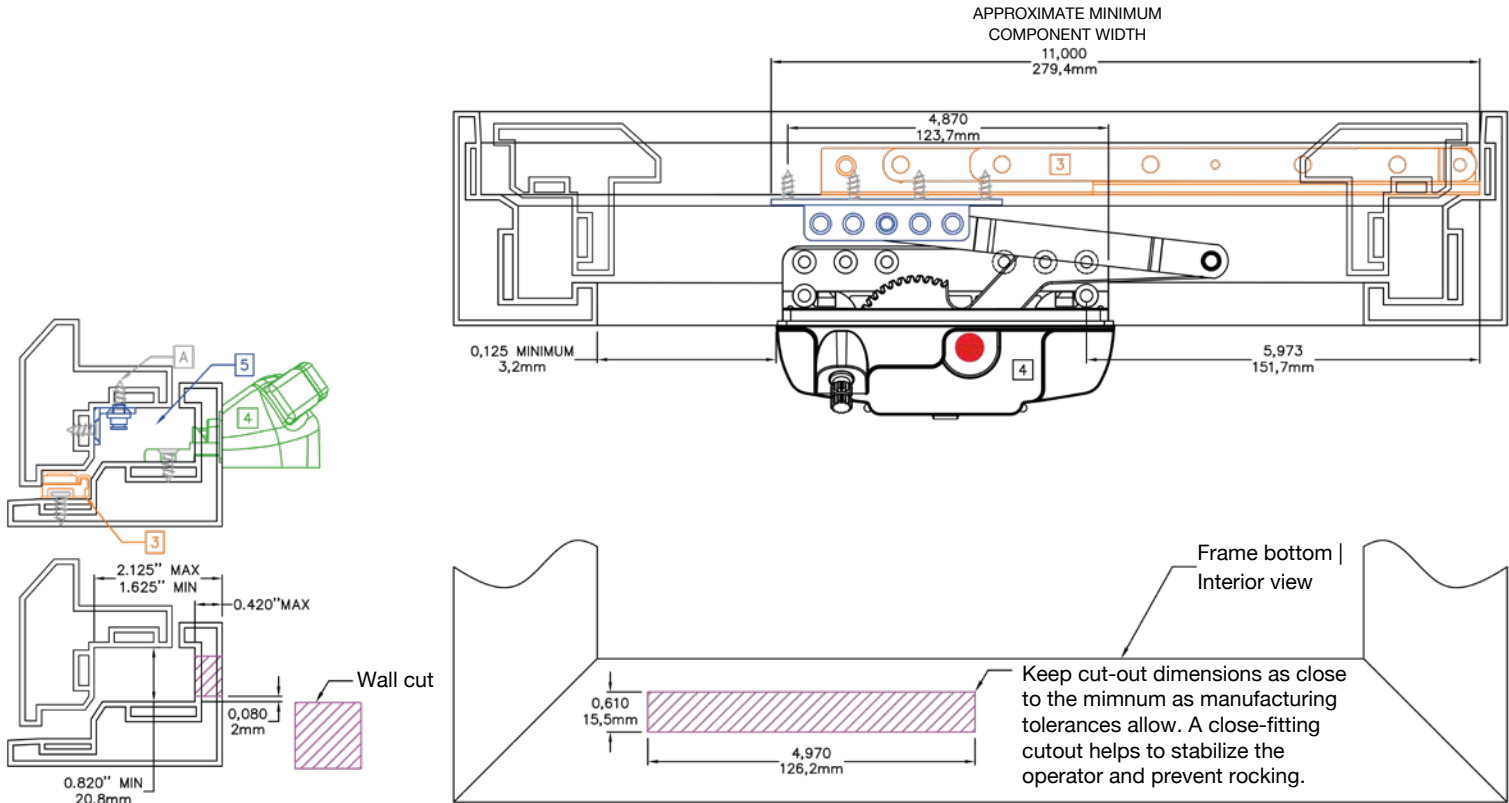
## 2.1 Reverse dyad | Application



\*Please note that the following drawings are only generics PVC drawings and that your actual application may vary depending on your extrusion profile. Contact a Radisson sales representative for further information.







2.2 Reverse dyad | Part List

- 3

BPRPS-5600-10GSS | Adjustable 10" wash. hinge kit, snap-on LH
- 4

OPS-30608G | Evolution left hand RD dot reverse dyad arm operator
- 5

OPS-30223 | Straight snap-on stud bracket for reverse dyad operator
- A

Recommended screw: 10-12 large thread, flat undercut #7

2.3 Reverse dyad | Ordering

*\*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.*

Part Number	Description	Box/Qty.
OPS-30608D-XX	Evolution Reverse Dyad arm, right hand <b>GREEN</b> dot operator	20
OPS-30608G-XX	Evolution Reverse Dyad arm, left hand <b>RED</b> dot operator	20
OPS-30223-XX	Straight snap-on stud bracket for reverse dyad operator	200



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

- Blank = Standard powder-coated
- SS = Optional 304 austenitic stainless steel (coastal applications)

## 30602 Evolution Series

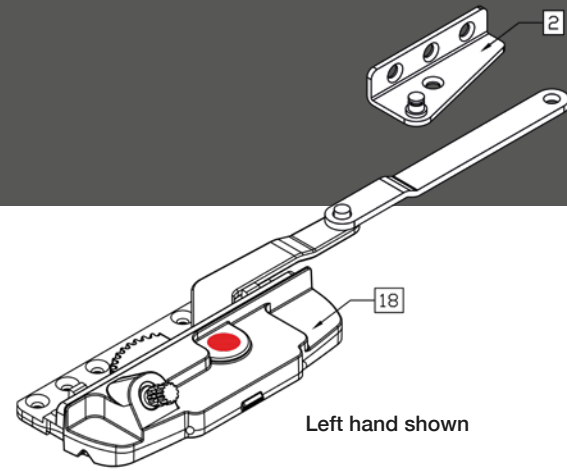
# Low Profile Dyad Arm

Designed for low height cavity frames in widths from 16. to 24 inches.

Minimum cavity heights of 15 mm or 0,625 inches

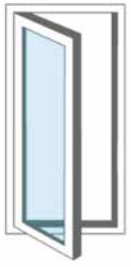
## Features

- Optimized precision mechanism thanks to the innovative patented design
- Snap-on cover allows for free installation and reduces inventory costs
- Snap-on feature for fast and secure operator attachment with sashes
- Optimized gear ratio to make operation easier and help meet ADA requirements
- Pre-installed gasket and optimized sealed housing to reduce risks of water and air infiltration
- Available in powder-coated steel or optional 304 austenitic stainless steel for coastal applications



## 3.0 Low profile dyad | Specifications

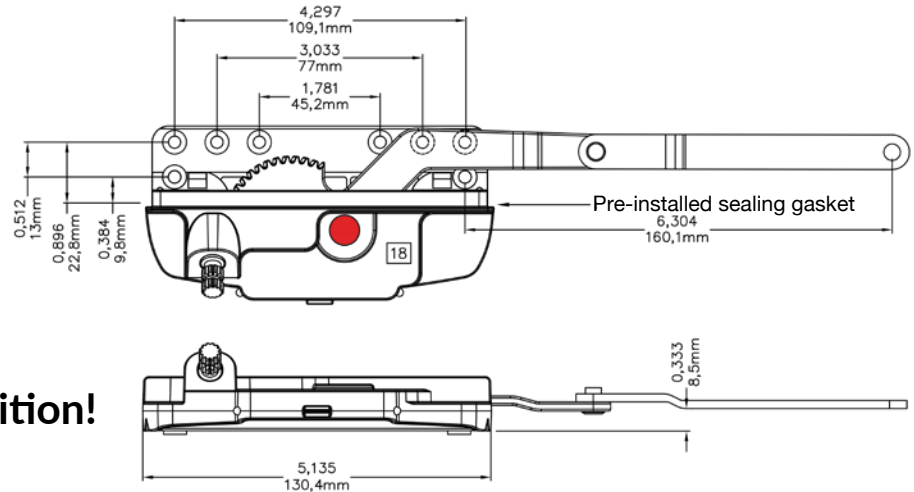
Left Opening  
(Outside view)



Left Hand Shown

Operator handing is determined by the hinge side when looking at the window from the outside.

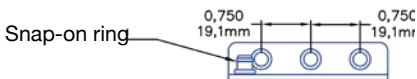
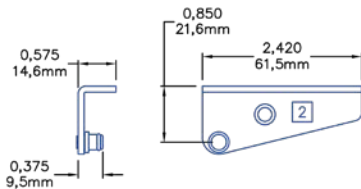
Easy Transition!



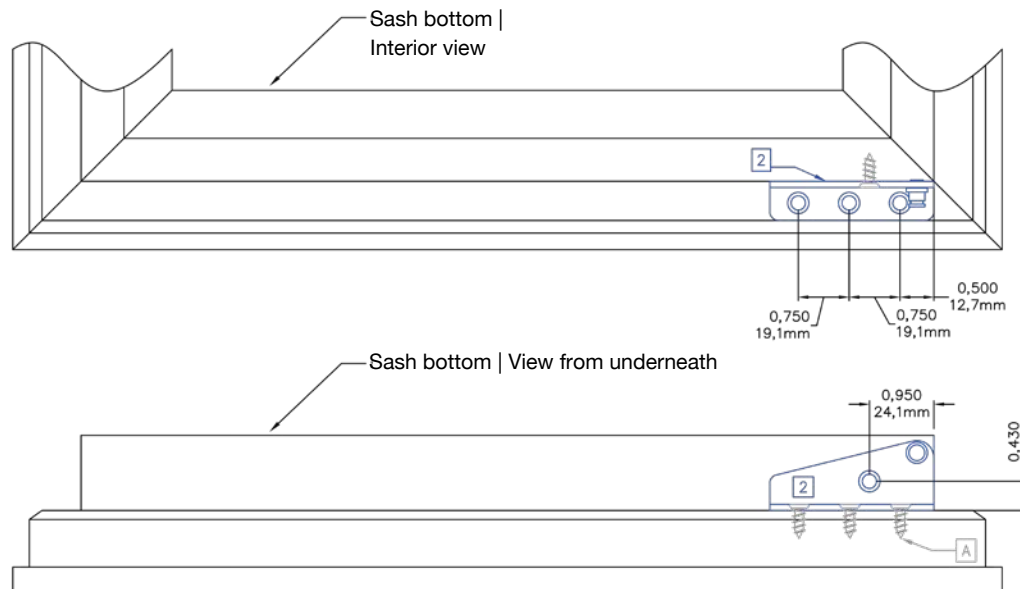
## 3.1 Low profile dyad | Application

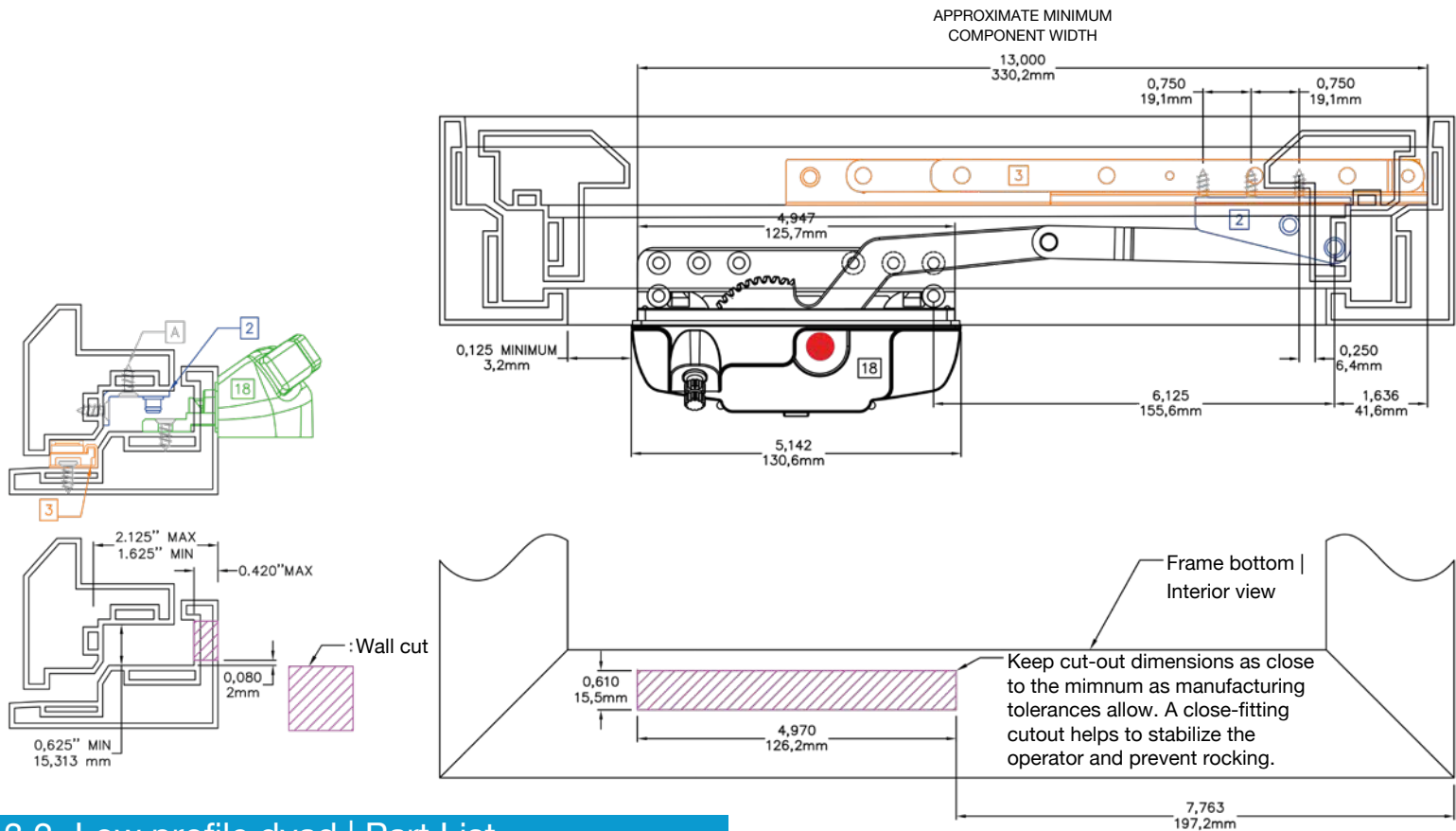


\*Please note that the following drawings are only generics PVC drawings and that your actual application may vary depending on your extrusion profile. Contact a Radisson sales representative for further information.



Snap-on ring





## 3.2 Low profile dyad | Part List

- |  |  |
|--|--|
| <p><b>3</b> BPRPS-5600-10GSS   Adjustable 10" wash. hinge kit, snap-on LH</p> <p><b>18</b> OPS-30602G   Evolution left hand RD dot low profile dyad arm operator</p> | <p><b>5</b> OPS-10327   "L" shape snap-on stud bracket for LH operator</p> <p><b>A</b> Recommended screw: 10-12 large thread, flat undercut #7</p> |
|--|--|

## 3.3 Low profile dyad | Ordering

*\*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.*

Part Number	Description	Box/Qty.
OPS-30602D-XX	Evolution low profile Dyad arm, right hand <b>GREEN</b> dot operator	20
OPS-30602G-XX	Evolution low profile Dyad arm, left hand <b>RED</b> dot operator	20
OPS-10326-XX	"L" shape snap-on stud bracket for right hand operator	200
OPS-10327-XX	"L" shape snap-on stud bracket for left hand operator	200



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

Blank = Standard powder-coated  
SS = Optional 304 austenitic stainless steel (coastal applications)



Left hand shown

## 30603 Evolution Series Dual Arm

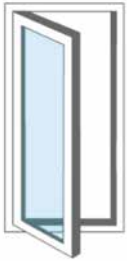
Designed for frames in widths from 24. to 40 inches

### Features

- Optimized precision mechanism thanks to the innovative patented design
- Snap-on cover allows for free installation and reduces inventory costs
- Snap-on feature for fast and secure operator attachment with sashes
- Optimized gear ratio to make operation easier and help meet ADA requirements
- Pre-installed gasket and optimized sealed housing to reduce risks of water and air infiltration
- Available in powder-coated steel or optional 304 austenitic stainless steel for coastal applications

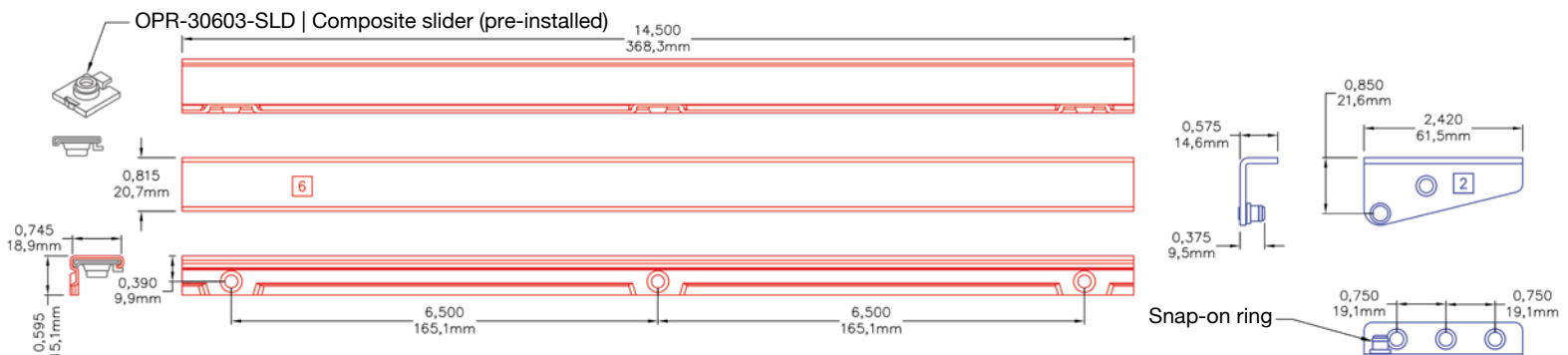
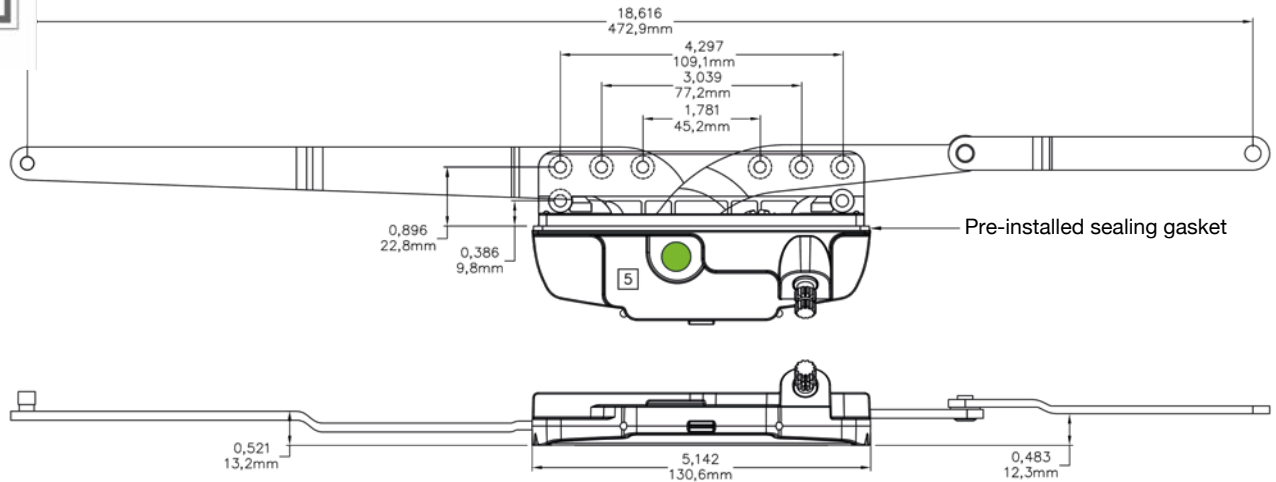
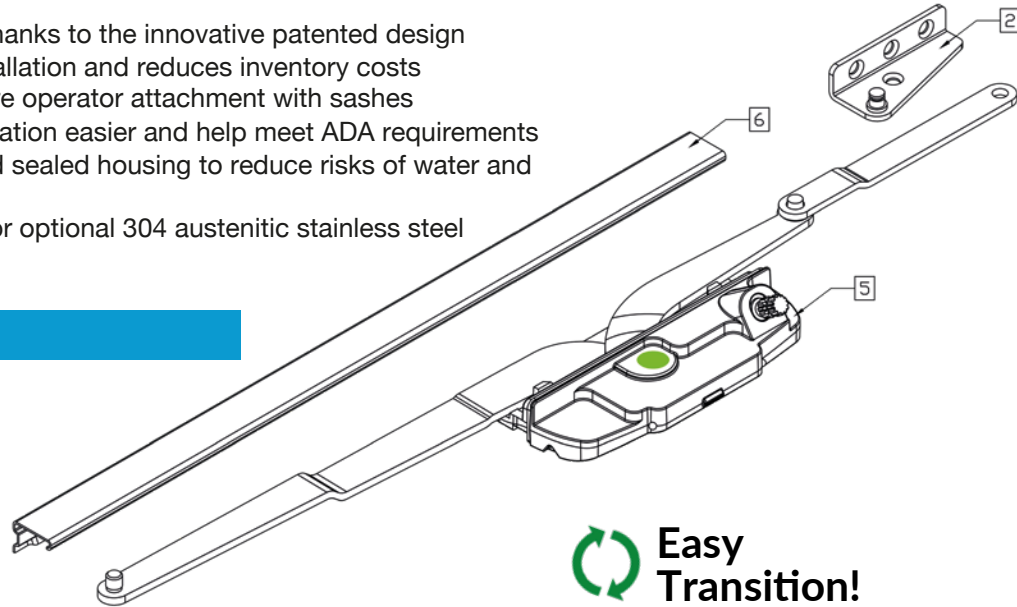
### 4.0 Dual | Specifications

Left Opening  
(Outside view)



Left Hand Shown

Operator handing is determined by the hinge side when looking at the window from the outside.

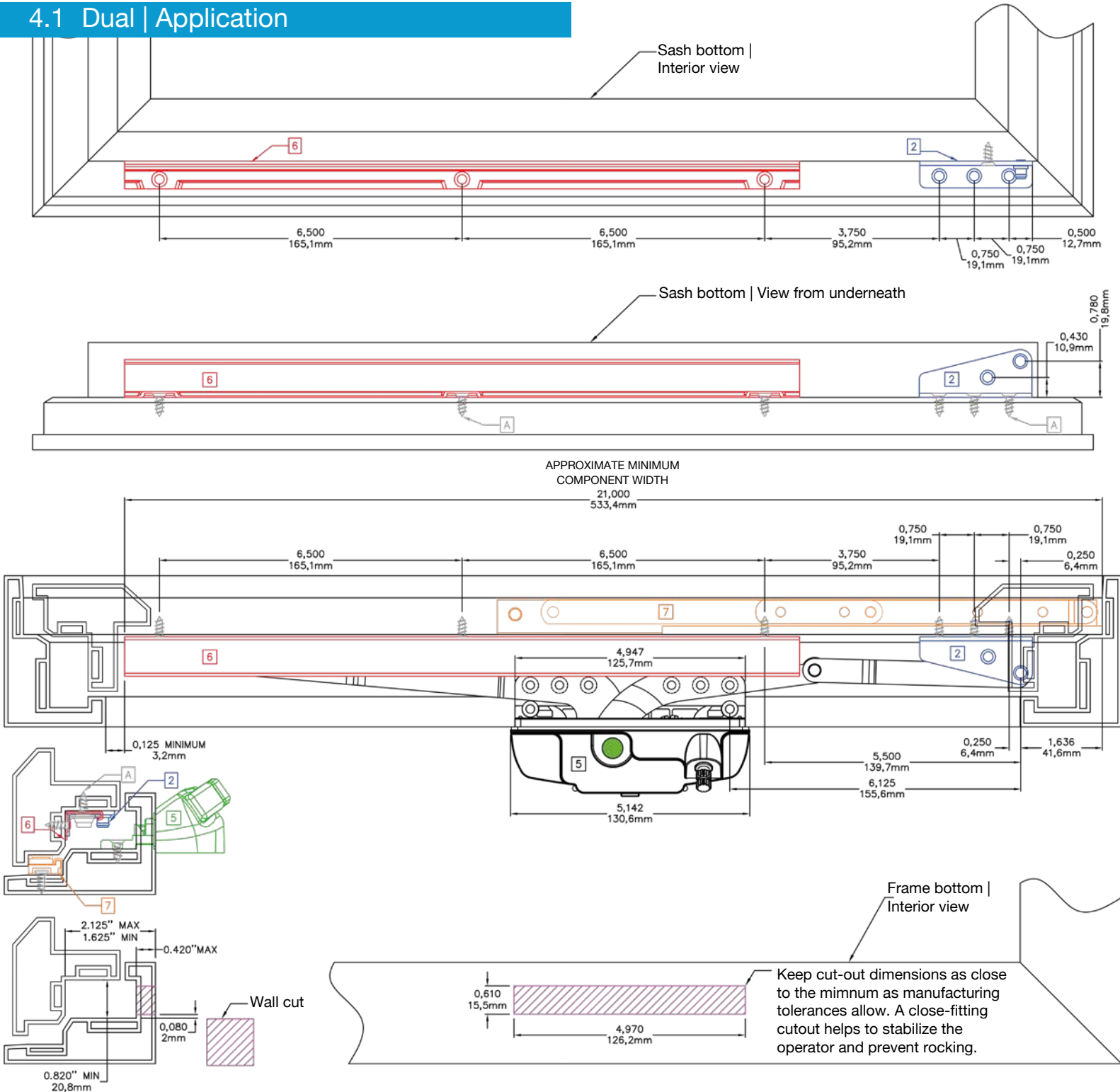






\*Please note that the following drawings are only generic PVC drawings and that your actual application may vary depending on your extrusion profile. Contact a Radisson sales representative for further information.

## 4.1 Dual | Application



## 4.2 Dual | Part list

- |          |   |          |  |
|----------|---|----------|--|
| <b>2</b> | <b>OPS-10327</b>   "L" shape snap-on stud bracket for LH operator | <b>7</b> | <b>BPRPS-5500-13GSS</b>   Adjustable 13" washability hinge kit, snap-on LH |
| <b>5</b> | <b>OPS-30603G</b>   Evolution left hand RD dot dual arm operator  | <b>A</b> | Recommended screw: 10-12 large thread, flat undercut #7                    |
| <b>6</b> | <b>OPR-30603</b>   Dual arm operator track                        |          |  |

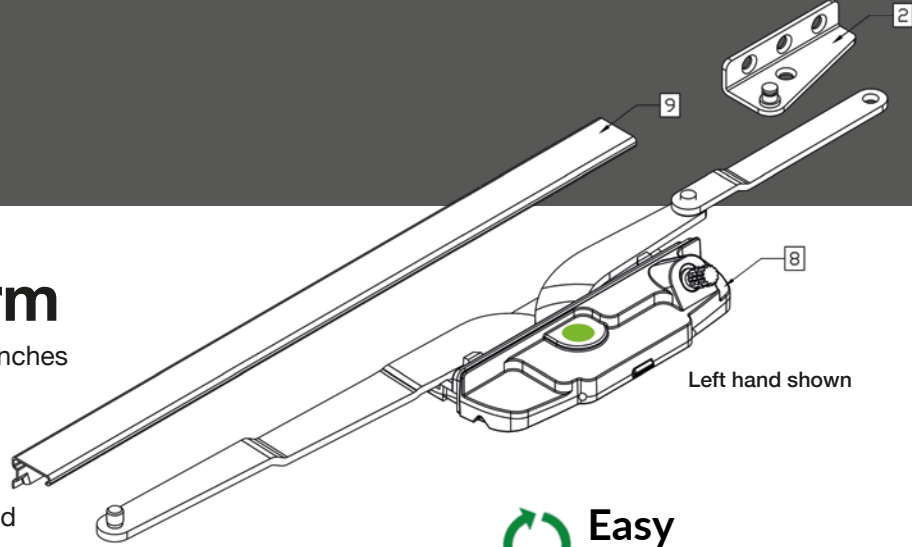
## 30605 Evolution Series

# Egress Short Dual Arm

Designed for Egress frames in widths from 22. to 24 inches

## Features

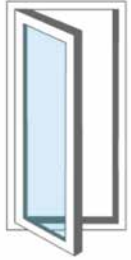
- Optimized precision mechanism thanks to the innovative patented design
- Snap-on cover allows for free installation and reduces inventory costs
- Snap-on feature for fast and secure operator attachment with sashes
- Optimized gear ratio to make operation easier and help meet ADA requirements
- Pre-installed gasket and optimized sealed housing to reduce risks of water and air infiltration
- Available in powder-coated steel or optional 304 austenitic stainless steel for coastal applications



 **Easy Transition!**

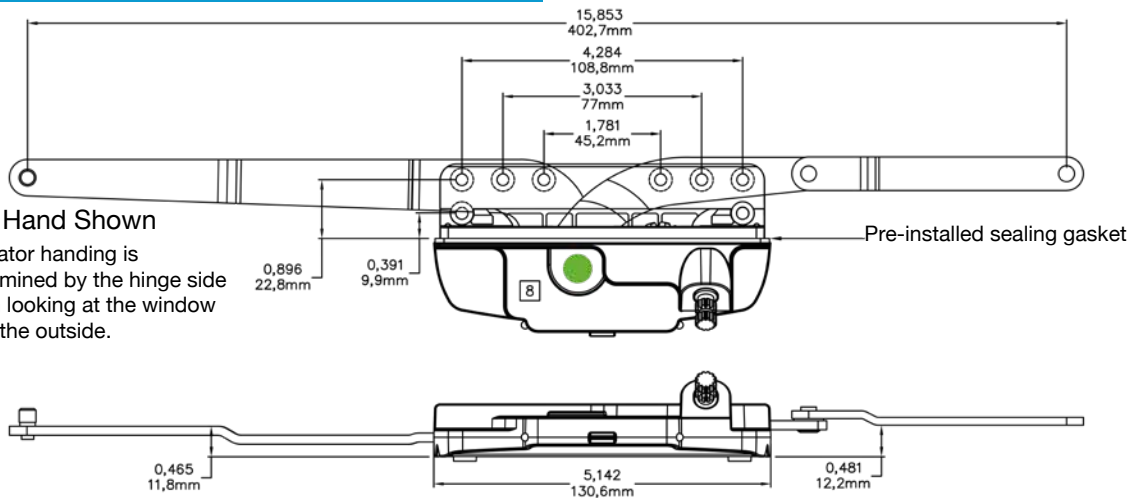
## 5.0 Egress short dual | Specifications

Left Opening  
(Outside view)

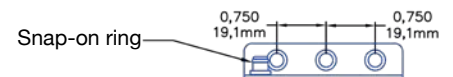
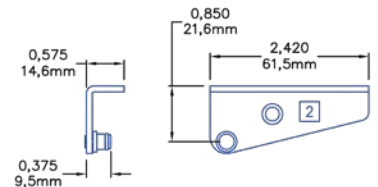
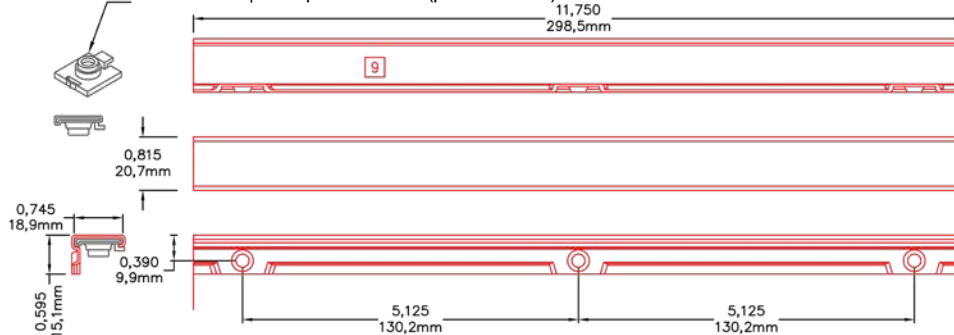


Left Hand Shown

Operator handing is determined by the hinge side when looking at the window from the outside.



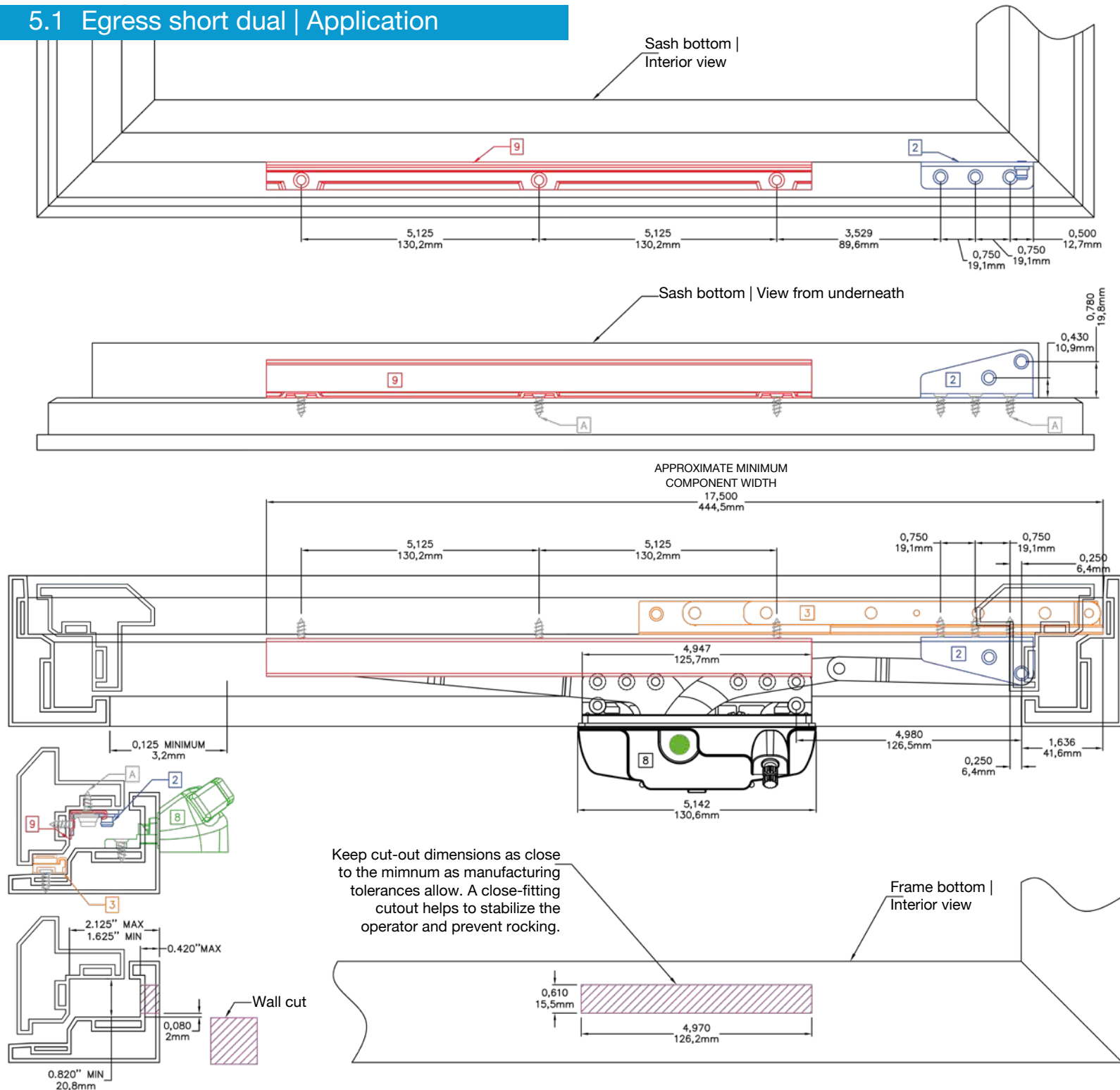
OPR-30603-SLD | Composite slider (pre-installed)





\*Please note that the following drawings are only generic PVC drawings and that your actual application may vary depending on your extrusion profile. Contact a Radisson sales representative for further information.

## 5.1 Egress short dual | Application



## 5.2 Egress short dual | Part list

- |  |  |
|--|--|
| <p><b>2</b> OPS-10327   "L" shape snap-on stud bracket for LH operator</p> <p><b>3</b> BPRPS-5600-10GSS   Adjustable 10" wash. hinge kit snap-on LH</p> <p><b>8</b> OPS-30605G   Evolution left hand GN dot Egress short dual arm operator</p> | <p><b>9</b> OPR-30605   Short egress dual arm operator track</p> <p><b>A</b> Recommended screw: 10-12 large thread, flat undercut #7</p> |
|--|--|

### 30615 Evolution Series

## Washability Short Dual Arm

Designed for narrow frames in widths from 19. to 24 inches

EXCLUSIVE  
INNOVATION



Left hand shown

### Features

- **EXCLUSIVE** Benefit from regular dual arm operator features in narrow sashes
- Optimized precision mechanism thanks to the innovative patented design
- Snap-on cover allows for free installation and reduces inventory costs
- Snap-on feature for fast and secure operator attachment with sashes
- Optimized gear ratio to make operation easier and help meet ADA requirements
- Pre-installed gasket and optimized sealed housing to reduce risks of water and air infiltration
- Available in powder-coated steel or optional 304 austenitic stainless steel for coastal applications

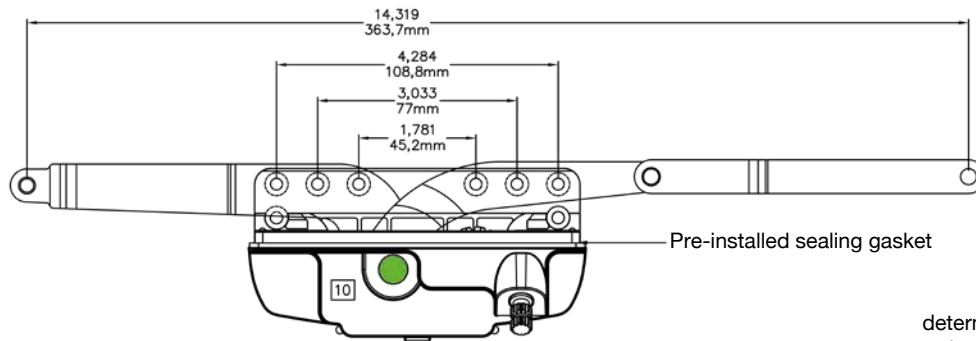


**Easy  
Implementation!**



**Plus value item!**

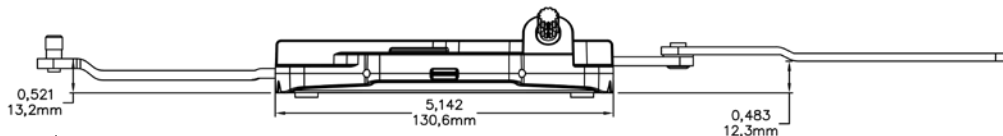
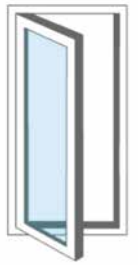
### 6.0 Washability short dual | Specifications



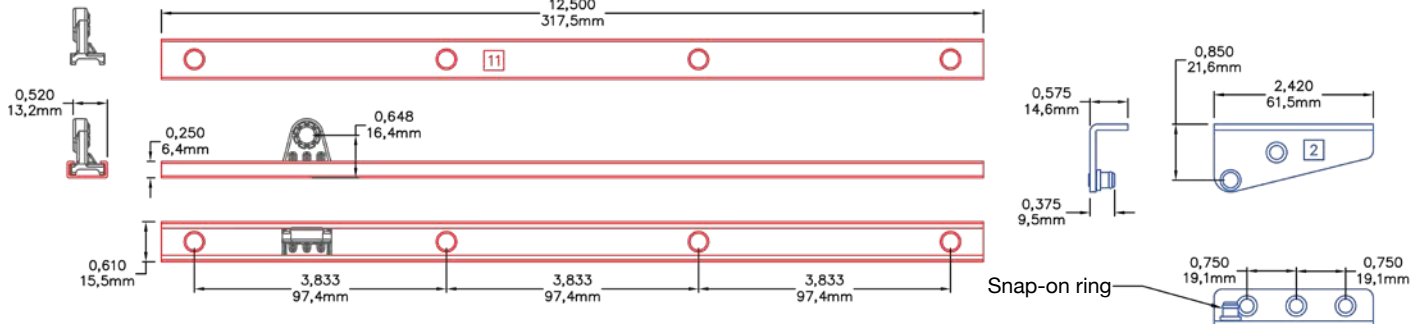
Left Opening

Left Hand Shown

Operator handing is determined by the hinge side when looking at the window from the outside.



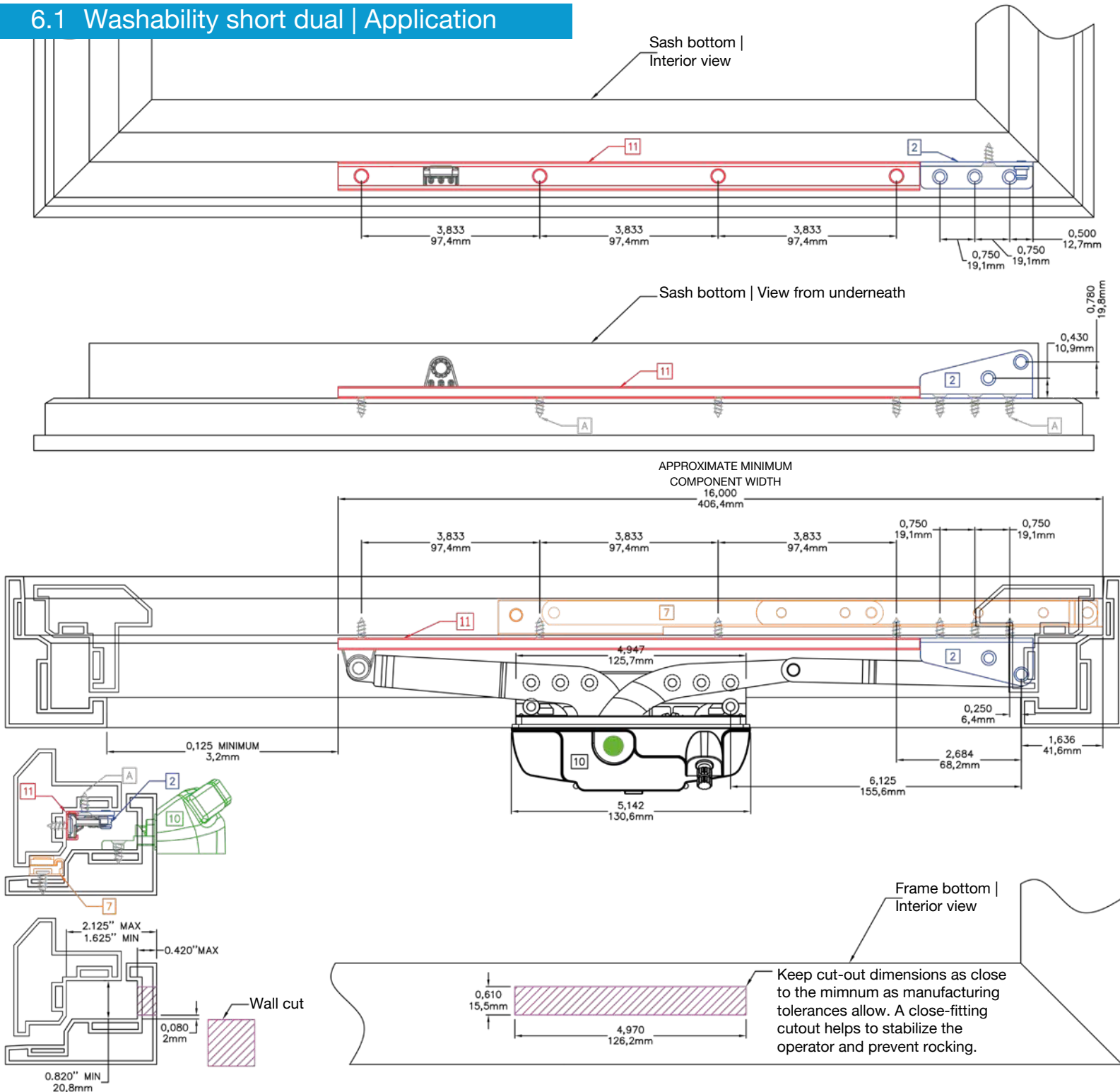
OPR-30615-SLD | Composite slider (pre-installed)





\*Please note that the following drawings are only generic PVC drawings and that your actual application may vary depending on your extrusion profile. Contact a Radisson sales representative for further information.

## 6.1 Washability short dual | Application



## 6.2 Washability short dual | Part list

- |   |  |
|---|--|
| <p>2 OPS-10327   "L" shape snap-on stud bracket for LH operator</p> <p>7 BPRPS-5600-13GSS   Adjustable 13" wash. hinge kit snap-on LH</p> <p>10 OPS-30615G   Evolution left hand GN dot washability short dual arm operator</p> | <p>11 OPR-30615   Washability short dual arm operator track</p> <p>A Recommended screw: 10-12 large thread, flat undercut #7</p> |
|---|--|





Left hand shown

### 30604 Evolution Series

## Low Profile Dual Arm

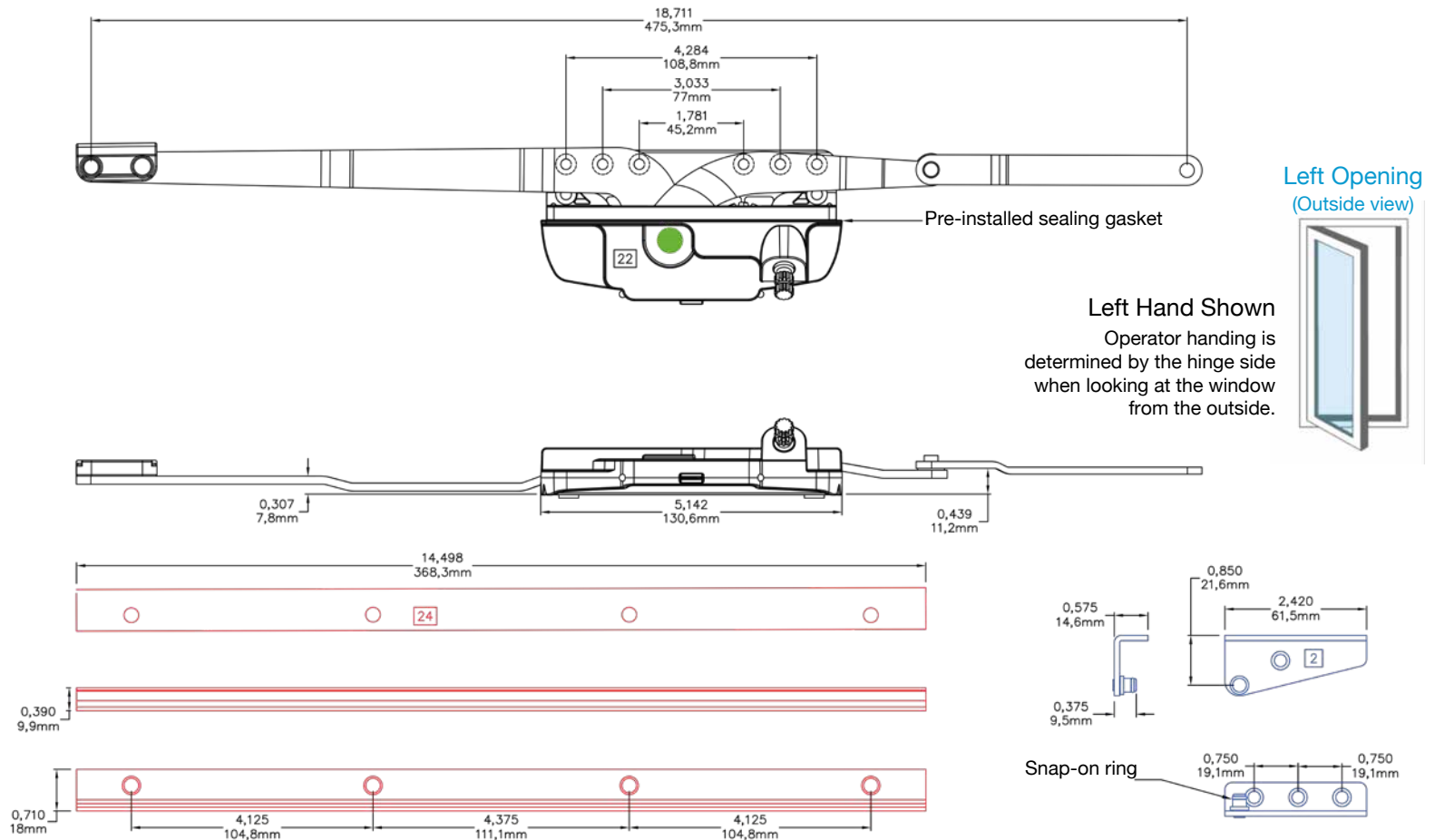
Designed for low profile frames in widths from 24. to 40 inches

Minimum cavity heights of 15 mm or 0,625 inches

## Features

- Optimized precision mechanism thanks to the innovative patented design
- Snap-on cover allows for free installation and reduces inventory costs
- Snap-on feature for fast and secure operator attachment with sashes
- Optimized gear ratio to make operation easier and help meet ADA requirements
- Pre-installed gasket and optimized sealed housing to reduce risks of water and air infiltration
- Available in powder-coated steel or optional 304 austenitic stainless steel for coastal applications

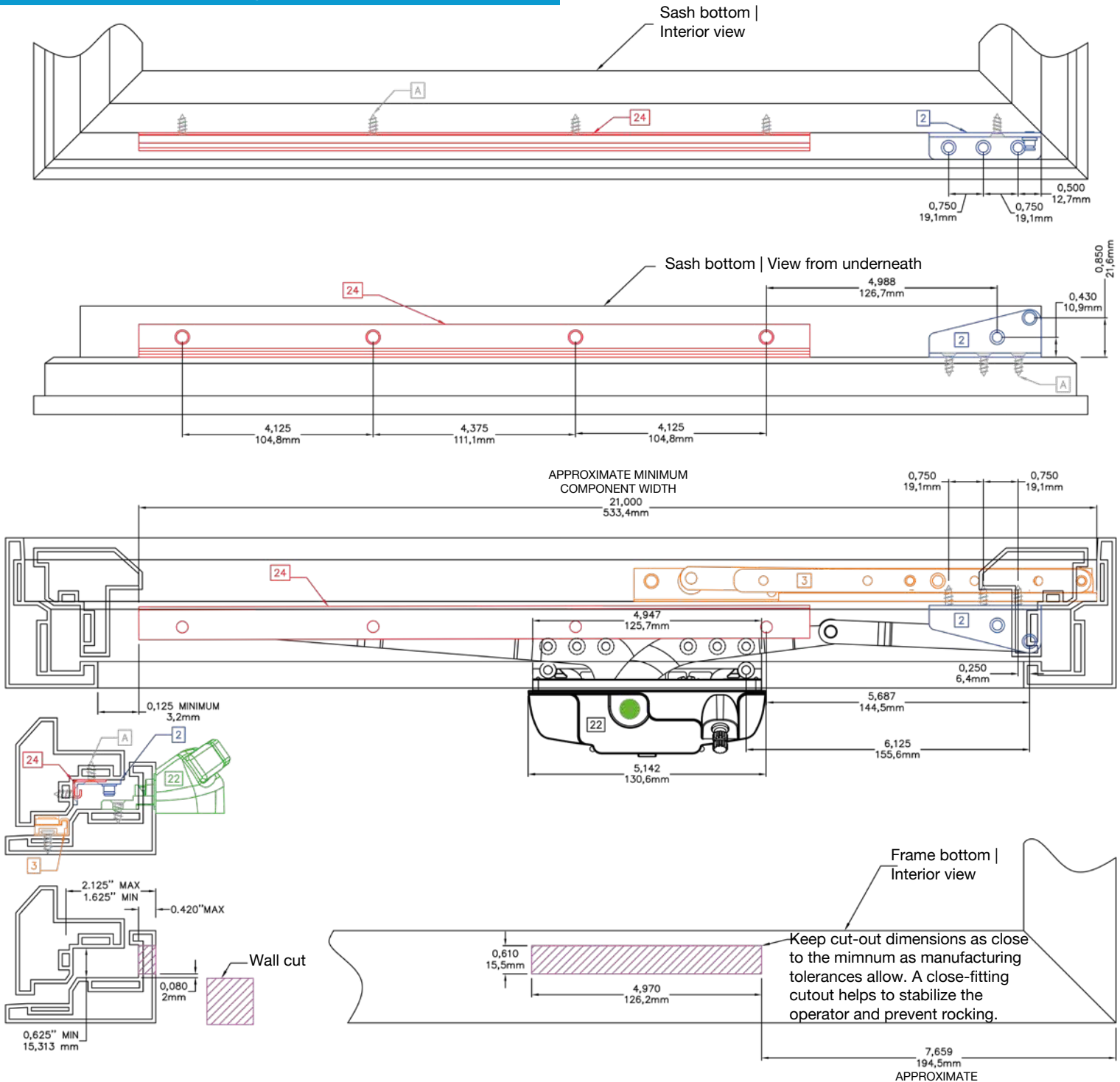
## 7.0 Low profile dual | Specifications





\*Please note that the following drawings are only generic PVC drawings and that your actual application may vary depending on your extrusion profile. Contact a Radisson sales representative for further information.

## 7.1 Low profile dual | Application



## 7.2 Low profile dual | Part list

- |    |   |    |   |
|----|---|----|---|
| 2  | OPS-10327   "L" shape snap-on stud bracket for LH operator                        | 24 | OPR-30680   Low profile dual arm operator track         |
| 3  | BPRPS-5600-10GSS   Adjustable 10" wash. hinge kit snap-on LH                      | A  | Recommended screw: 10-12 large thread, flat undercut #7 |
| 22 | OPS-30604G   Evolution left hand GN dot washability low profile dual arm operator |    |   |









## 7.3 Dual arms | Ordering

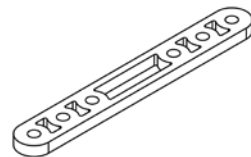
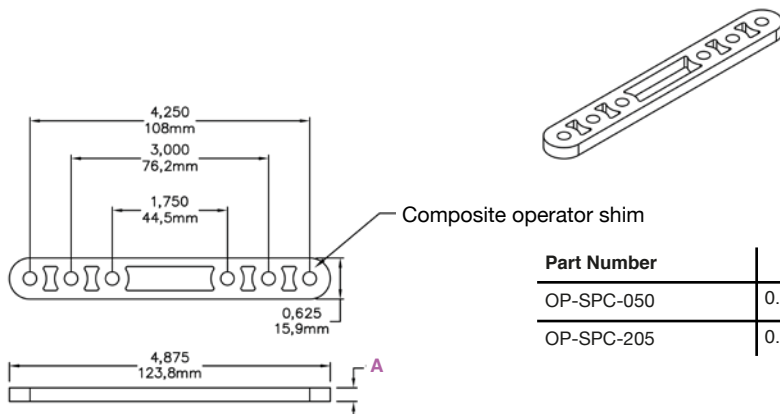
\*The company has an ongoing development program and therefore reserves the right to make alterations without notice. Products that are not stocked items will be subject to longer lead times. Please confirm with your Radisson representative.

### Operators

Part Number	Description	Box/Qty.
OPS-30603D-XX	Evolution dual arm, right hand <b>RED</b> dot operator	20
OPS-30603G-XX	Evolution dual arm, left hand <b>GREEN</b> dot operator	20
OPS-30605D-XX	Evolution egress short dual arm, right hand <b>RED</b> dot operator	20
OPS-30605G-XX	Evolution egress short dual arm, left hand <b>GREEN</b> dot operator	20
OPS-30615D-XX	Evolution washability short dual arm, right hand <b>RED</b> dot operator	20
OPS-30615G-XX	Evolution washability short dual arm, left hand <b>GREEN</b> dot operator	20
OPS-30604D-XX	Evolution low profile dual arm, right hand <b>RED</b> dot operator	20
OPS-30604G-XX	Evolution low profile dual arm, left hand <b>GREEN</b> dot operator	20

### Accessories

Part Number	Description	Box/Qty.
OPR-30603-SSW	Stainless steel dual arm operator track 	100
OPR-30605-SSW	Stainless steel egress short dual arm operator track 	100
OPR-30615-SSW	Stainless steel washability short dual arm operator track 	100
OPR-30603-SLD	Spare plastic shoe slider for dual and egress short dual arm operator track 	100
OPR-30615-SLD	Spare plastic shoe slider for washability short dual arm operator track 	100
OPR-30680-SSW	Stainless steel low profile dual arm operator track 	100
OP-SPC-050	1.3mm or 0.050" window operator shim 	200
OP-SPC-205	5.2mm or 0.205" window operator shim 	200
OPS-10326-XX	"L" shape snap-on stud bracket for right hand operator	200
OPS-10327-XX	"L" shape snap-on stud bracket for left hand operator	200



Part Number	A	Box/Qty.
OP-SPC-050	0.050"	200
OP-SPC-205	0.205"	200

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

Blank = Standard powder-coated  
**SS** = Optional 304 austenitic stainless steel (coastal applications)

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

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

## 30606 Evolution Series Awning

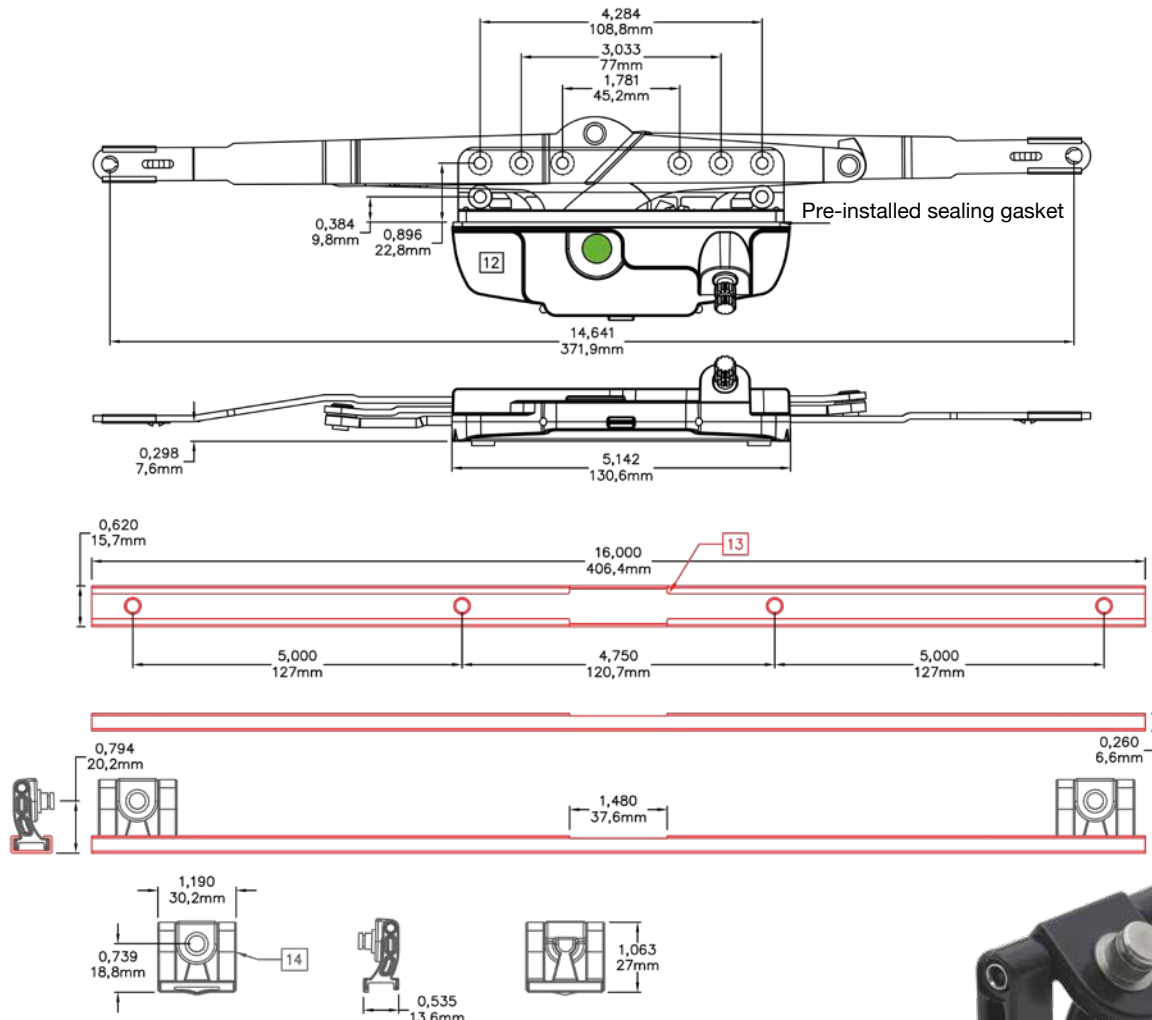
Designed for awning frames in widths from 20. to 60 inches

### Features

- Optimized precision mechanism thanks to the innovative patented design
- Snap-on cover allows for free installation and reduces inventory costs
- Clip-on feature for fast and secure operator attachment with sashes
- Optimized gear ratio to make operation easier and help meet ADA requirements
- Pre-installed gasket and optimized sealed housing to reduce risks of water and air infiltration
- Available in powder-coated steel or optional 304 austenitic stainless steel for coastal applications

 **Easy  
Transition!**

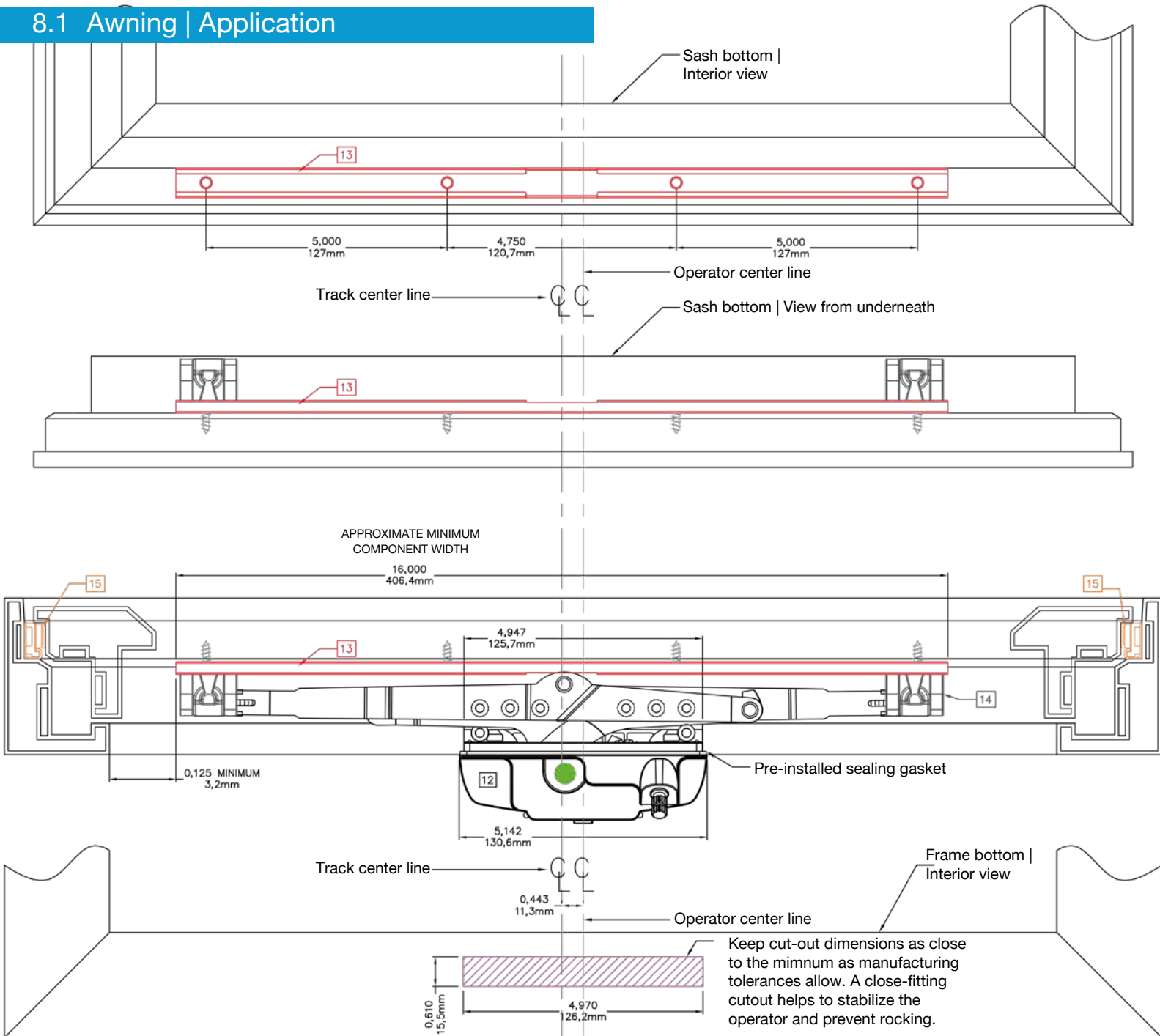
## 8.0 Awning | Specifications





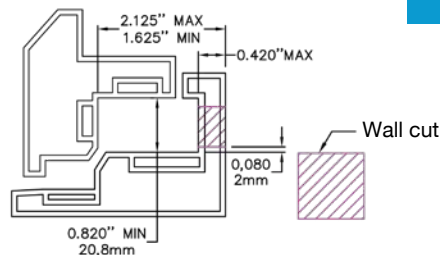
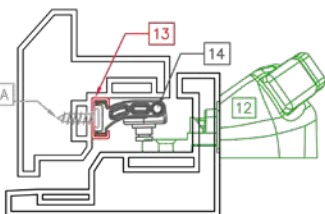
\*Please note that the following drawings are only generic PVC drawings and that your actual application may vary depending on your extrusion profile. Contact a Radisson sales representative for further information.

## 8.1 Awning | Application



## 8.2 Awning | Part list

- |    |   |
|----|---|
| 12 | OP-30606   Evolution GN dot scissor awning operator             |
| 13 | OPR-30606   Track for scissor awning operator                   |
| 14 | OPR-30606-SLD   Plastic slider shoe for scissor awning operator |
| 15 | BPRP-5100-18   Awning 2-bar hinge kit, right and left hand      |
| A  | Recommended screw: 10-12 large thread, flat undercut #7         |





## 30609 Evolution Series Short Awning

Designed for awning frames in widths from 12. to 20 inches

\*The minimum recommended sash height is 16" (Depending on profile)

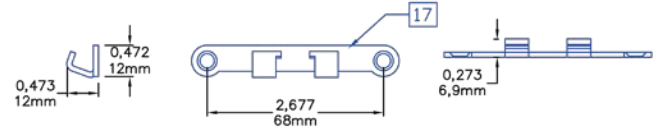
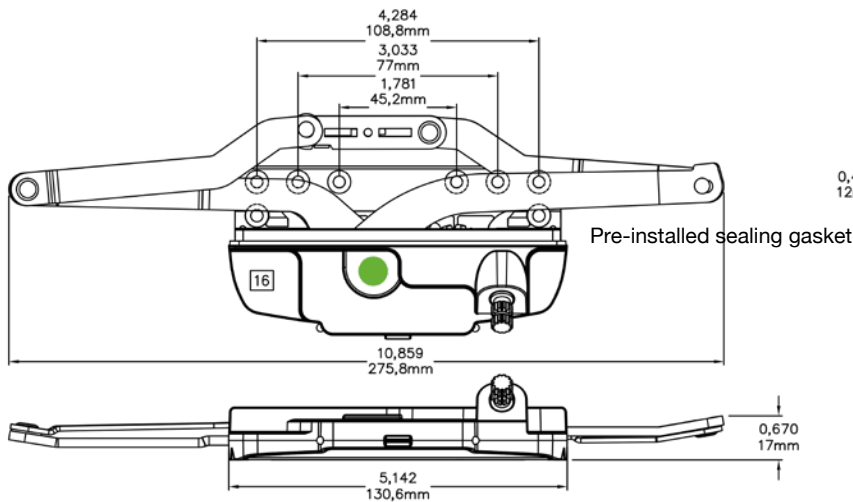
### Features

- Optimized precision mechanism thanks to the innovative patented design
- Snap-on cover allows for free installation and reduces inventory costs
- Locking lever feature for fast and secure operator attachment with sashes
- Optimized gear ratio to make operation easier and help meet ADA requirements
- Pre-installed gasket and optimized sealed housing to reduce risks of water and air infiltration
- Available in powder-coated steel or optional 304 austenitic stainless steel for coastal applications

 **Easy  
Transition!**

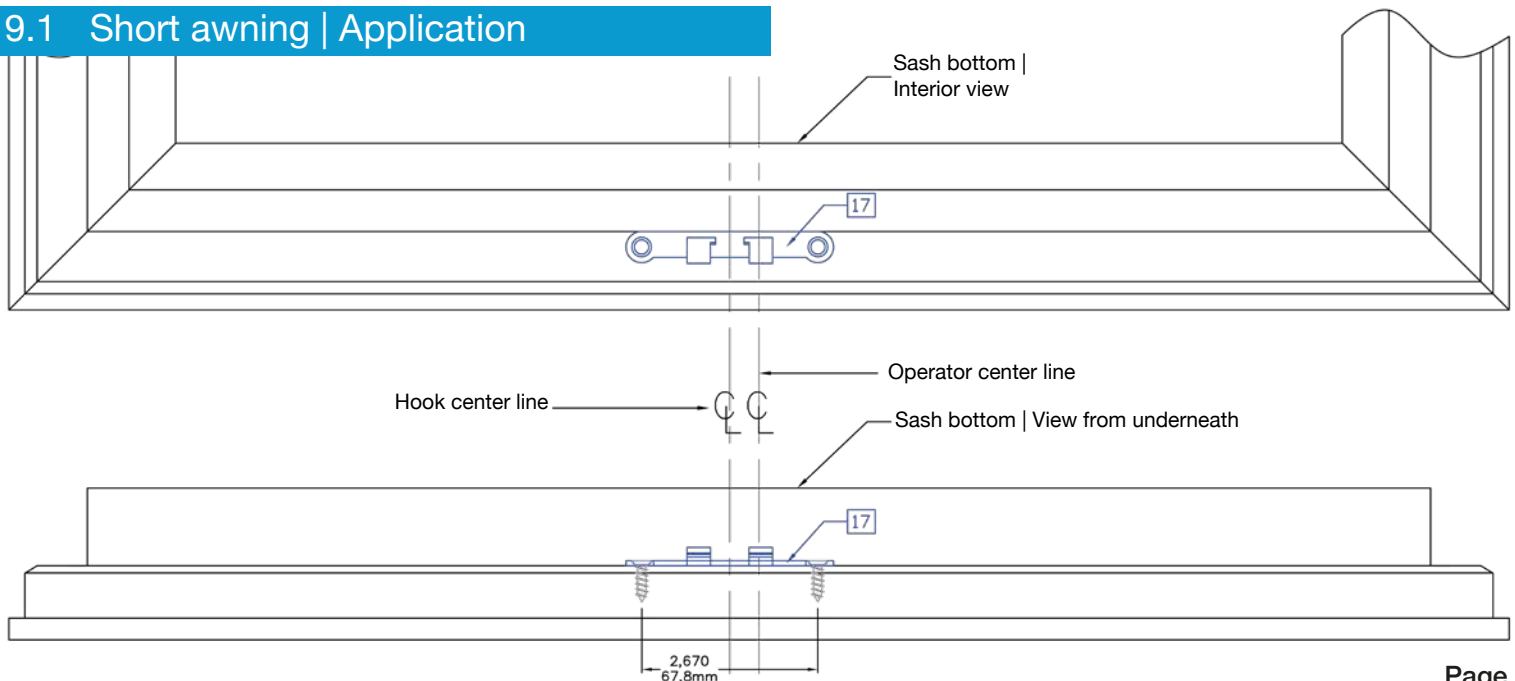


## 9.0 Short awning | Specifications



Hook bracket may need to be mounted closer to the sash edge to eliminate bracket detach at full open on short sash sizes.

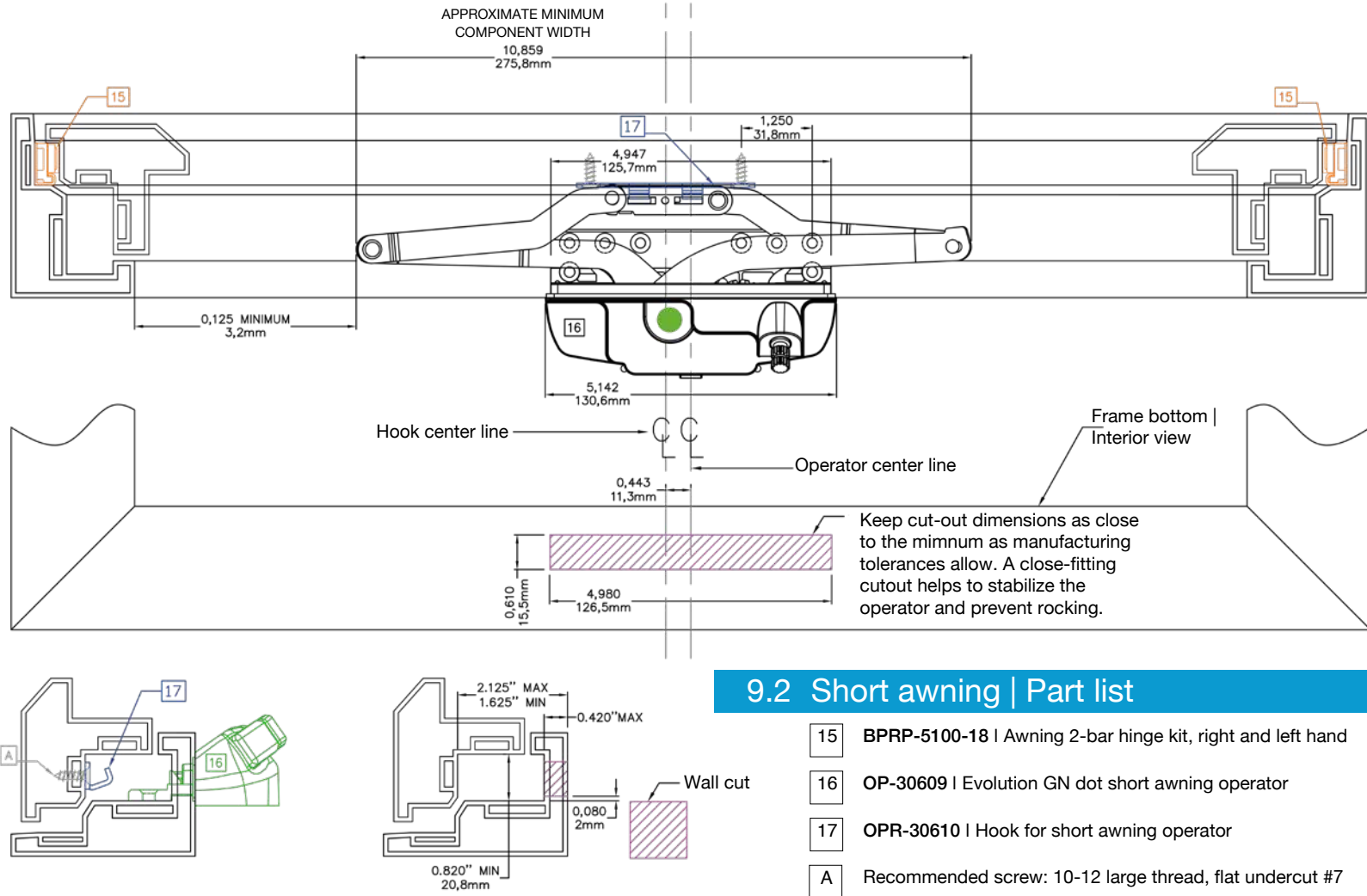
## 9.1 Short awning | Application





\*Please note that the following drawings are only generic PVC drawings and that your actual application may vary depending on your extrusion profile. Contact a Radisson sales representative for further information.



## 9.1 Short awning | Application (cont'd)



## 9.2 Short awning | Part list

## 9.3 Awnings | Ordering

\*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.

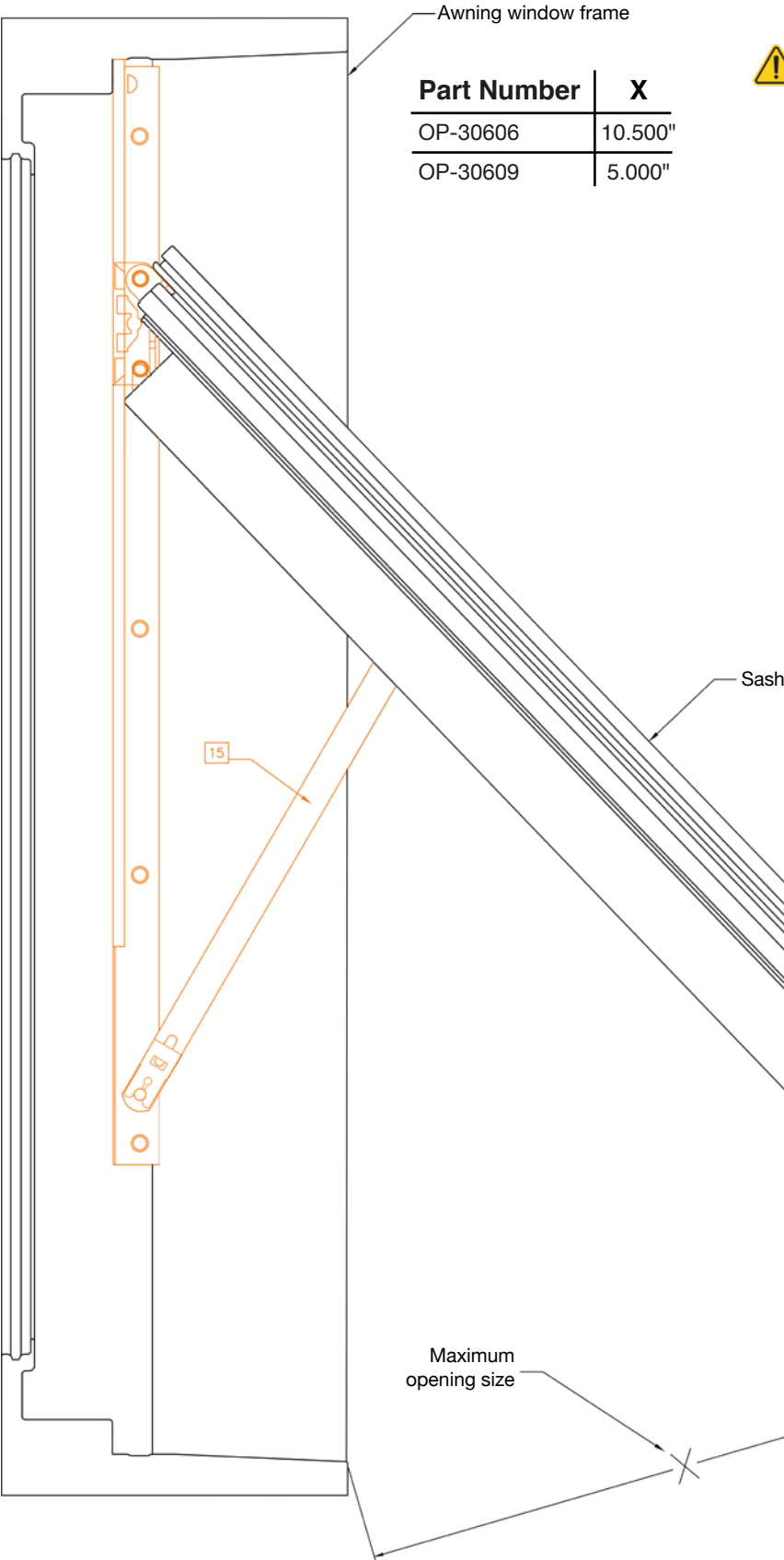
Part Number	Description	Box/Qty.
OP-30606	Evolution awning, <b>GREEN</b> dot operator	20
OP-30609	Evolution short awning, <b>GREEN</b> dot operator	20
OPR-30606-XX	Scissor awning operator track 	100
OPR-30606-SLD	Plastic slider for scissor awning operator track 	200
OPR-30610-XX	Adjustable awning operator hook	100


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


Blank = Standard powder-coated  
SS = Optional 304 austenitic stainless steel (coastal applications)



10.0 Awnings | Maximum opening




 Please refer to awning hinge technical spec sheet to ensure proper hardware is used and recommended maximum load capacity is respected.

 Attachment clip is required on awning window hinges. Under no circumstances 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, and allow the sash to fall out, representing a serious risk of injury to individuals below.



10.1 Part list

-  BPRP-5100-18DSS |  
Awning 2-bar hinge kit, right hand

## 30620 Evolution Series Straight arm

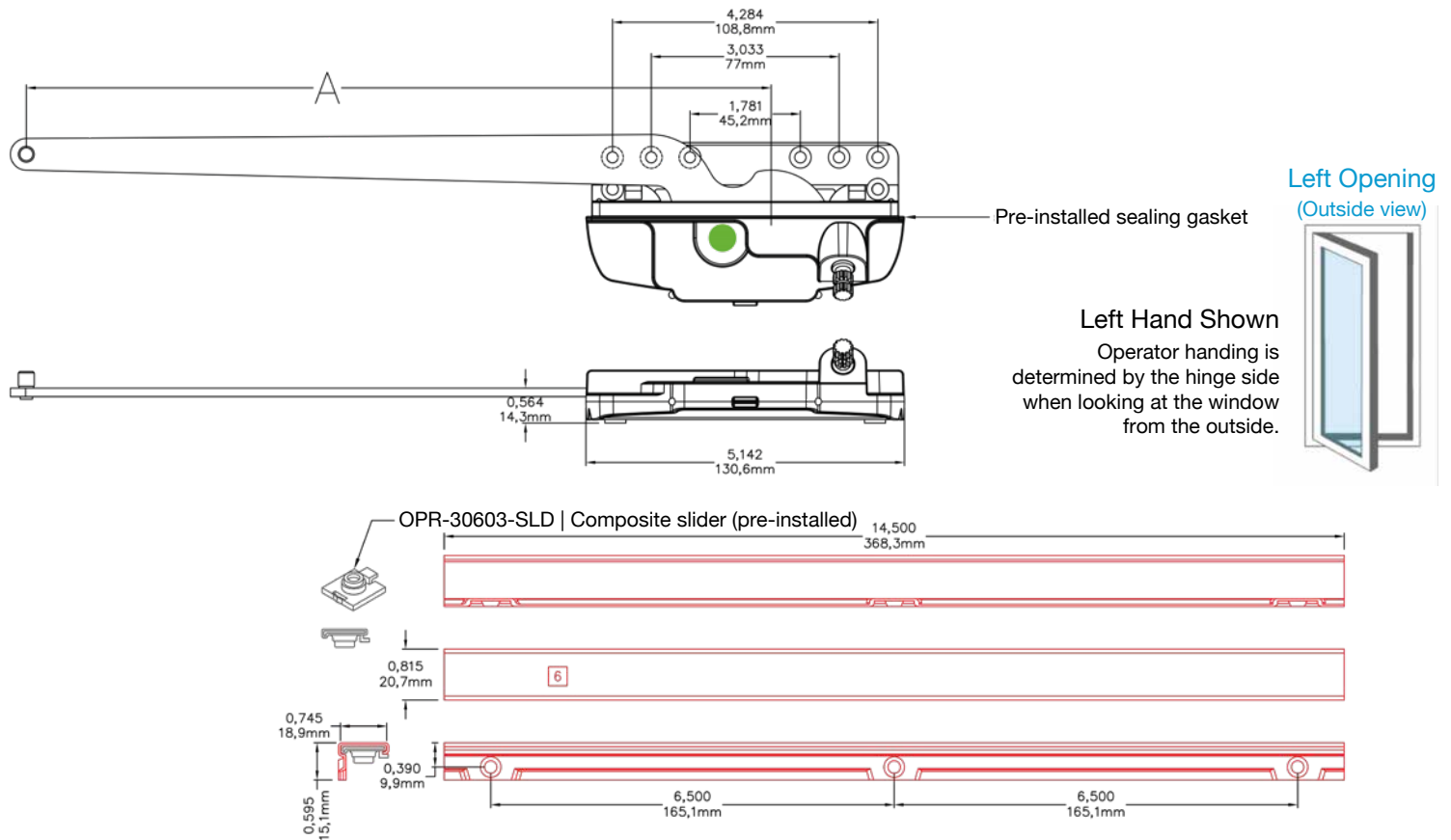
Designed for frames in widths from 16. to 30 inches

### Features

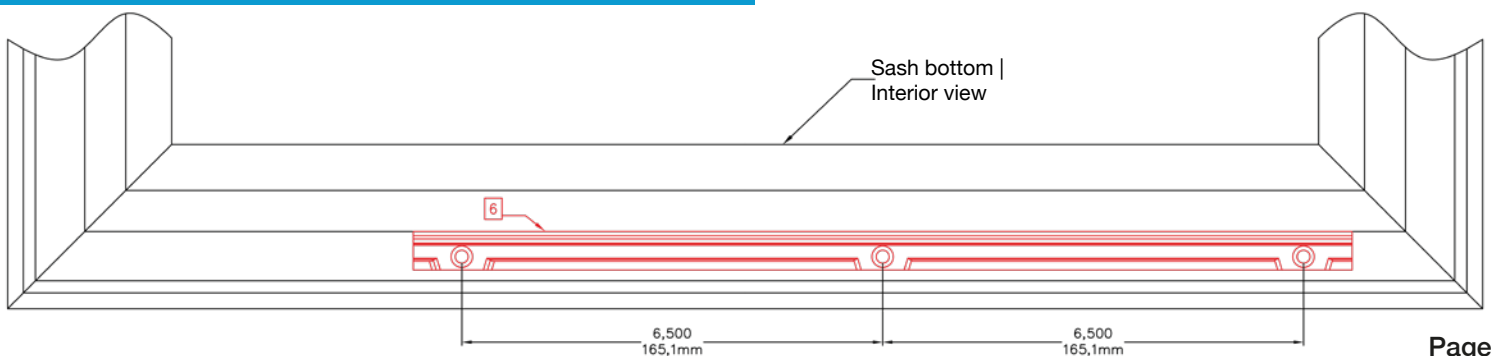
- Optimized precision mechanism thanks to the innovative patented design
- Snap-on cover allows for free installation and reduces inventory costs
- Optimized gear ratio to make operation easier and help meet ADA requirements
- Pre-installed gasket and optimized sealed housing to reduce risks of water and air infiltration
- Available in powder-coated steel or optional 304 austenitic stainless steel for coastal applications



### 11.0 Straight arm | Specifications



### 11.1 Straight arm | Application

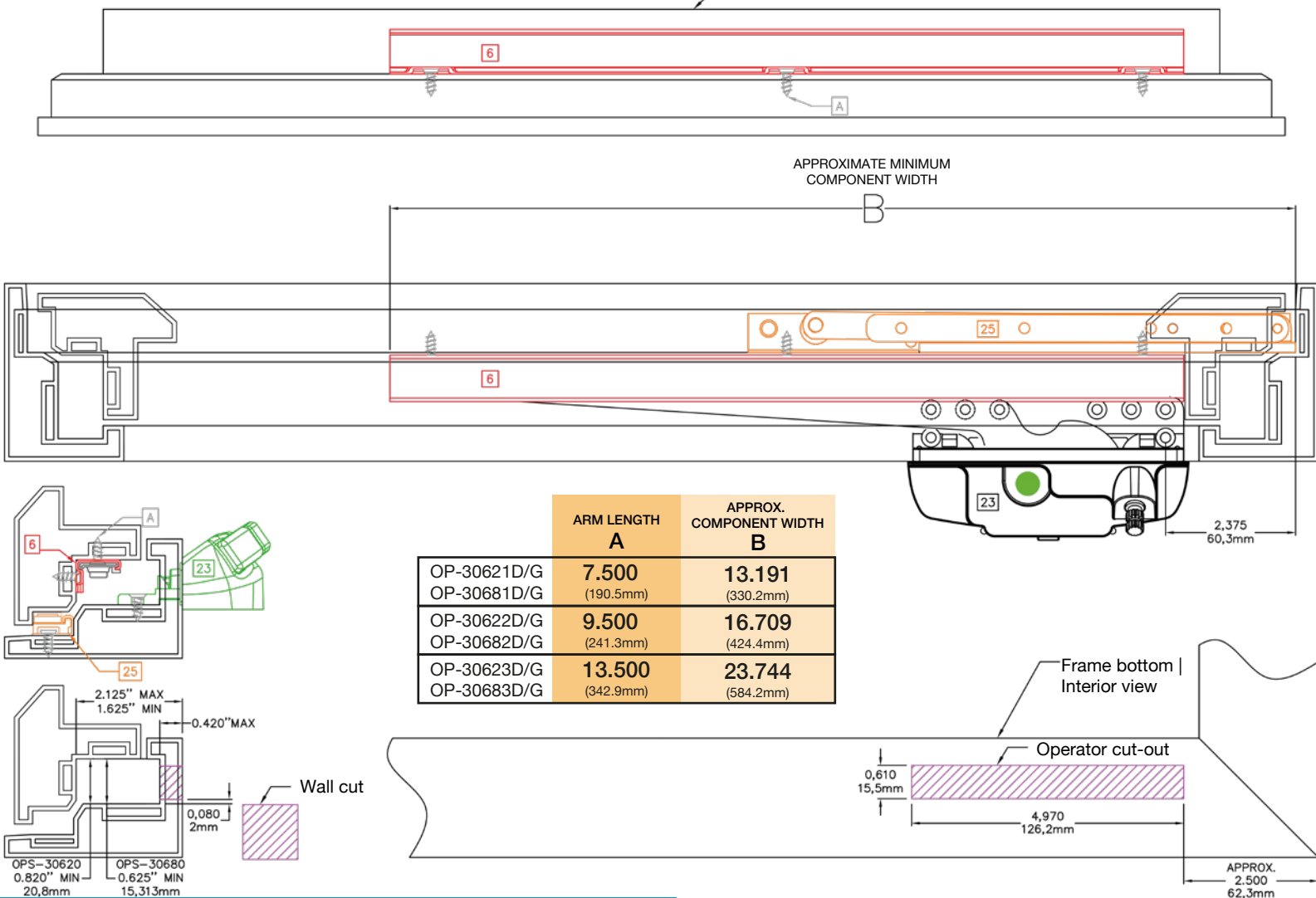




\*Please note that the following drawings are only generic PVC drawings and that your actual application may vary depending on your extrusion profile. Contact a Radisson sales representative for further information.

## 11.1 Straight arm | Application (cont'd)

Sash bottom | View from underneath



## 11.2 Straight arm | Part list

- |    |  |   |   |
|----|--|---|---|
| 23 | OP-30622G   Evolution left hand GN dot, 9-1/2 inches straight arm operator | 6 | OPR-30603   Dual & Straight arm operator track          |
| 25 | BPRPS-5300-10GSS   Adjustable 10" EGRESS hinge kit snap-on LH              | A | Recommended screw: 10-12 large thread, flat undercut #7 |

## 11.3 Straight arm | Ordering

\*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.

Part Number	Description	Box/Qty.
OPS-30621D-XX	Evolution right hand <b>RED</b> dot, 7-1/2 straight arm operator	20
OPS-30621G-XX	Evolution left hand <b>GREEN</b> dot, 7-1/2 straight arm operator	20
OPS-30622D-XX	Evolution right hand <b>RED</b> dot, 9-1/2 straight arm operator	20
OPS-30622G-XX	Evolution left hand <b>GREEN</b> dot, 9-1/2 straight arm operator	20
OPS-30623D-XX	Evolution right hand <b>RED</b> dot, 13-1/2 straight arm operator	20
OPS-30623G-XX	Evolution left hand <b>GREEN</b> dot, 13-1/2 straight arm operator	20
OPS-30681D-XX	Evolution right hand <b>RED</b> dot, 7-1/2 straight arm operator	20
OPS-30681G-XX	Evolution left hand <b>GREEN</b> dot, 7-1/2 straight arm operator	20
OPS-30682D-XX	Evolution right hand <b>RED</b> dot, 9-1/2 straight arm operator	20
OPS-30682G-XX	Evolution left hand <b>GREEN</b> dot, 9-1/2 straight arm operator	20
OPS-30683D-XX	Evolution right hand <b>RED</b> dot, 13-1/2 straight arm operator	20
OPS-30683G-XX	Evolution left hand <b>GREEN</b> dot, 13-1/2 straight arm operator	20
OPR-30603-SSW	Dual & Straight arm operator track	200
OPR-30680-SSW	Low profile Dual & Straight arm operator track	200

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

Blank = Standard powder-coated  
SS = Optional 304 austenitic stainless steel (coastal applications)

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

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



## 12.0 Cover and handle | Specifications

### 30630 Series

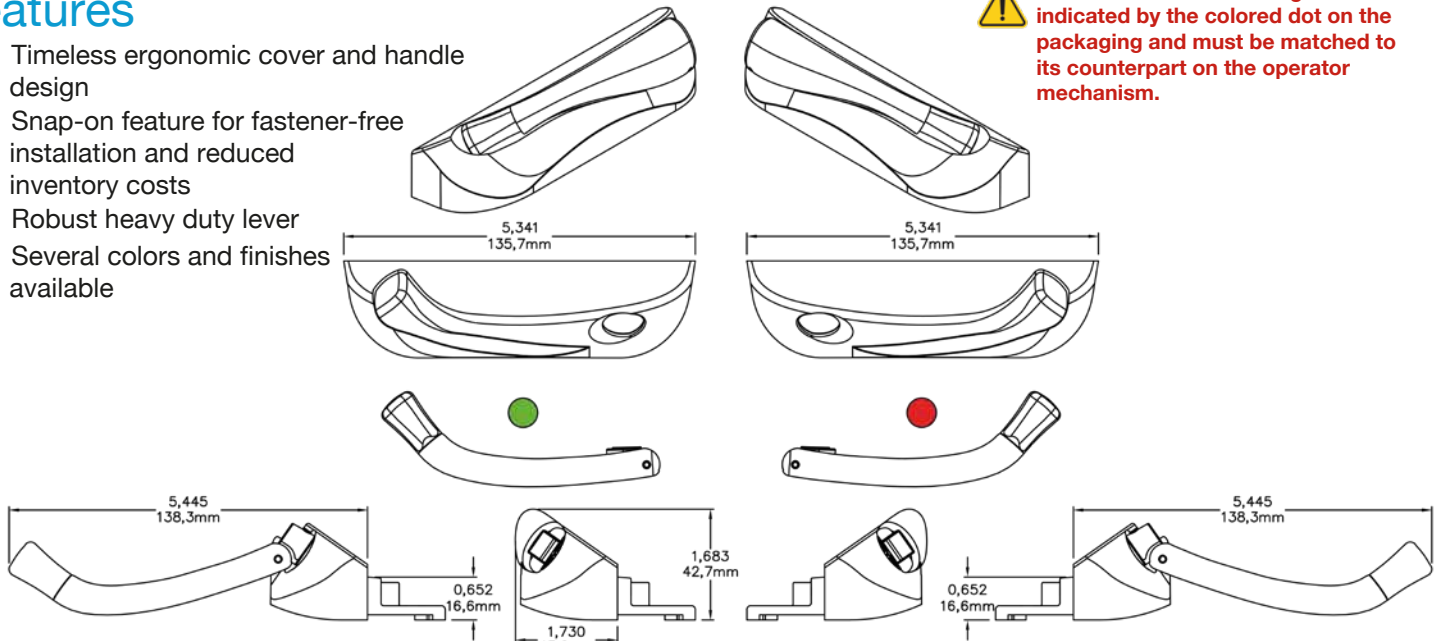
## Traditional

### Features

- Timeless ergonomic cover and handle design
- Snap-on feature for fastener-free installation and reduced inventory costs
- Robust heavy duty lever
- Several colors and finishes available



Cover and handle handing is indicated by the colored dot on the packaging and must be matched to its counterpart on the operator mechanism.



### 30720 Series

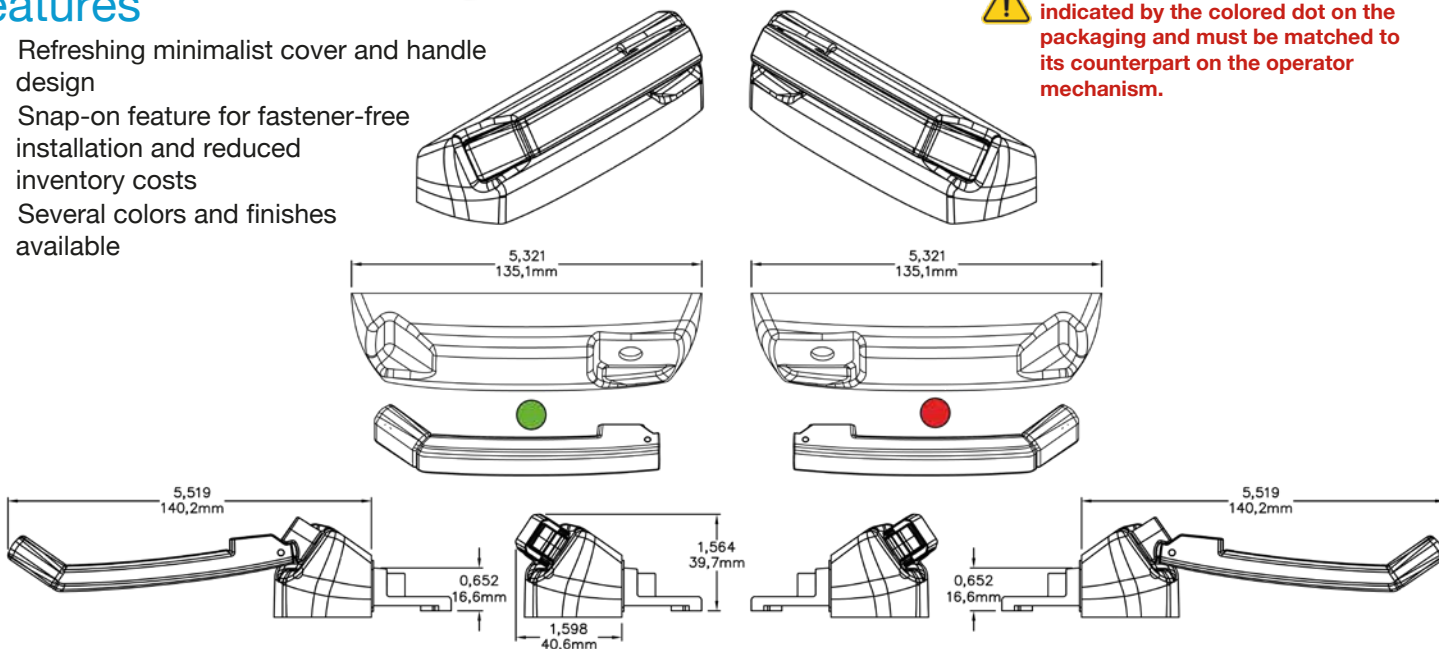
## Contemporary

### Features

- Refreshing minimalist cover and handle design
- Snap-on feature for fastener-free installation and reduced inventory costs
- Several colors and finishes available



Cover and handle handing is indicated by the colored dot on the packaging and must be matched to its counterpart on the operator mechanism.



## 12.1 Colors and finishes



The perception of colors by the human eye varies from one individual to another. Colors and finishes shown below are for illustrative purposes only and should be used solely for general guidance.

**Actual colors and finishes may vary depending on the shape of the product, its composition, and the brightness of the light to which it is exposed. Contact a Radisson Industries representative for an actual sample and stock availability.**

### Powder-Coated Finishes



### Decorative Finishes



## 12.2 Cover and handle | Ordering

\*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.

Part Number	Description	Box/Qty.
OP-30630 <del>Y</del> - <del>ZZZ</del>	Traditional plastic cover and handle for Evolution operator	100
OP-30720 <del>Y</del> - <del>ZZZ</del>	Contemporary plastic cover and handle for Evolution operator	100

Replace the variable **Y** with the desired value to specify green or red dot:

V = **GREEN** dot

R = **RED** dot

Replace the variable **ZZZ** with the desired value to specify colors or finishes. (See above)

### Contemporary design



### Traditional design



## 13.0 Maximum Frame Size & Sash Weight

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



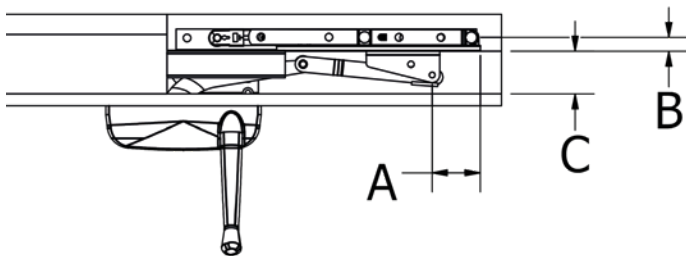
Many factors in addition to the hardware dictate maximum casement window size. These include sash and frame stiffness and strength, screw holding strength, sash sag, weathertightness, and weatherstrip drag. For this reason, we recommend careful evaluation of the entire window before producing units as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

STANDARD					EGRESS				
		BPRPS-5600-10D/G		BPRPS-5600-13D/G		BPRPS-5300-10D/G		BPRPS-5300-13D/G	
		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)
13.1 Dyad arm	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)
13.2 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			
13.3 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	
13.4 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.



## 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



*ASTM G155 | ACCELERATED WEATHERING*  
Xenon Arc Light Apparatus for Exposure of Non-Metallic Materials, 300 hours



### **LIFETIME WARRANTY**

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

## Contact us

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INDUSTRIES**

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## 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.

## 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.