

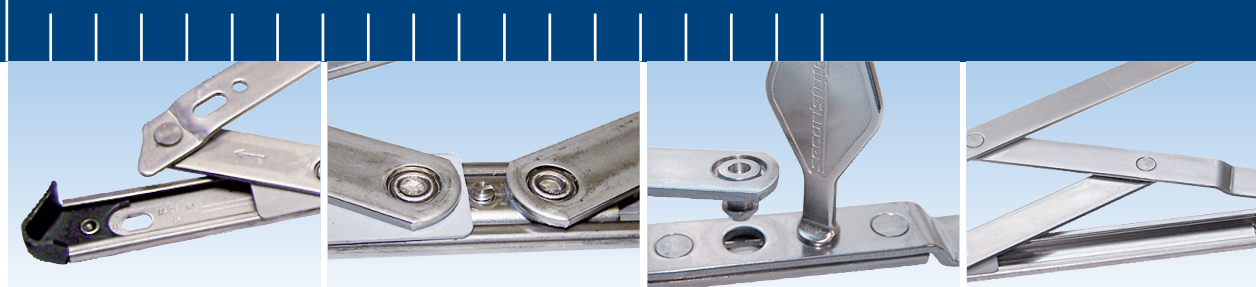


WINDOW TECHNOLOGY
DOOR TECHNOLOGY
AUTOMATIC ENTRANCE SYSTEMS
BUILDING MANAGEMENT SYSTEMS



WINDOW TECHNOLOGY – ORDER CATALOG | SECTION 08

Securistyle Friction Hinges



Securing technology for you







08.1

Securistyle Friction Hinges

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Storm Balanced Hinges

for Casement Windows



Storm BS 10" and 16" Friction Hinges

Description	Color	PU	Part Number
Storm hinge 10"	SS	25	6-C8648-10-P-8
Storm hinge 16"	SS	25	6-C8648-16-P-8
Used for casement windows only			
* = Color PU = Packaging Unit			

Storm BS 10" Loose Rivets Hinges

Description	Color	PU	Part Number
Storm hinge 10"	SS	25	6-C8654-10-P-8
Storm hinge 16"	SS	25	6-C8654-16-P-8
For use with a window operator			
* = Color PU = Packaging Unit			

Additional information

- Self balancing hinge range
- Designed for enhanced performance on large windows
- All metal components made from high grade 304 stainless steel
- Stainless steel end cap automatically directs the end point smoothly and firmly towards the closed position
- Stainless steel composite sliders to give maximum strength yet perform with the smoothest of action
- Complies to the requirements of AAMA 904 – 09, 910 – 10 and 101/I.S.2 – 08

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Technical Information

Description	Hinge Length (in/mm)	Max. Vent Weight (lb/kg)	Min. Vent Height (mm)	Max. Vent Height (mm)	Min. Vent Width (in/mm)	Max. Vent Width (in/mm)	Cavity Dimensions (mm)	Opening Angle (± 2.5°)
Storm BS 10"	10/262	83/38	-	-	11/280	26/665	16-18	80°
Storm BS 16"	16/415	103/47	-	-	18/457	33/838	16-18	90°

Storm Balanced Hinges

for Awning Windows



Storm B 22" Friction Hinges

Description	Color	PU	Part Number
Storm hinge 22"	SS	20	6-C8646-22-P-8
Used for awning windows only			
* = Color PU = Packaging Unit			

Additional information

- Self balancing hinge range
- Designed for enhanced performance on large windows
- All metal components made from high grade 304 stainless steel
- Stainless steel end cap automatically directs the end point smoothly and firmly towards the closed position
- Stainless steel composite sliders to give maximum strength yet perform with the smoothest of action
- Complies to the requirements of AAMA 904 – 09, 910 – 10 and 101/I.S.2 – 08



Storm B 26" Friction Hinges

Description	Color	PU	Part Number
Storm hinge 26"	SS	10	6-C8649-26-P-8
Used for awning windows only			
* = Color PU = Packaging Unit			

Additional information

- Self balancing hinge range
- Designed for enhanced performance on large windows
- All metal components made from high grade 304 stainless steel
- Stainless steel end cap automatically directs the end point smoothly and firmly towards the closed position
- Stainless steel composite sliders to give maximum strength yet perform with the smoothest of action
- Complies to the requirements of AAMA 904 – 09, 910 – 10 and 101/I.S.2 – 08

Technical Information

Description	Hinge Length (in/mm)	Max. Vent Weight (lb/kg)	Min. Vent Height (in/mm)	Max. Vent Height (in/mm)	Min. Vent Width (in/mm)	Max. Vent Width (in/mm)	Cavity Dimensions (mm)	Opening Angle (± 2,5°)
Storm B 22"	22/567	165/75	43/1090	59/1500	-	-	16-18	45°
Storm B 26"	26/680	220/100	50/1270	79/2000	-	-	16-18	20°

Parallel Plus Hinges

for Projection Windows



Parallel Friction Hinges

Description	Color	PU	Part Number
Parallel hinge 350	SS	10	6-C8636-35-L/R-8
Parallel hinge 450	SS	10	6-C8636-45-L/R-8
Parallel hinge 670	SS	10	6-C8636-67-L/R-8
Parallel hinge 950	SS	10	6-C8636-95-L/R-8
* = Color PU = Packaging Unit			

Additional information

- Significant cost saving on motor operators
- Parallel Plus vents can be restricted to 40mm openings and still provide whole perimeter ventilation and effective air exchange equivalent to conventional window open to 100mm or more
- Provides a safe, secure and well ventilated environment
- Adjustable parallelism compensates for building and façade tolerances
- High resistance to corrosion, manufactured from 304 grade austenitic stainless steel
- Low operating forces, improved vent stability and parallelism control
- Manual Operation - vents weighing up to 200 kg can be manually operated
 - One handle placed centrally at bottom of sash ~ 1100mm high x 2000mm wide by 100 kg
 - Two handles placed on either side of the sash up to 400mm below centre of the sash height ~ 3000mm high x 1300mm wide x 200 kg
 - Push bar placed up to 400mm below centre of sash height ~ 3200mm high x 2500mm wide x 200 kg
- Motorized windows can be catered for up to 6000mm tall and 1 metric ton
- Smoke evacuation will be superior than for traditional window types but at wider clear openings than 40mm
- Maintains curtain wall reflectivity with fewer broken sightlines

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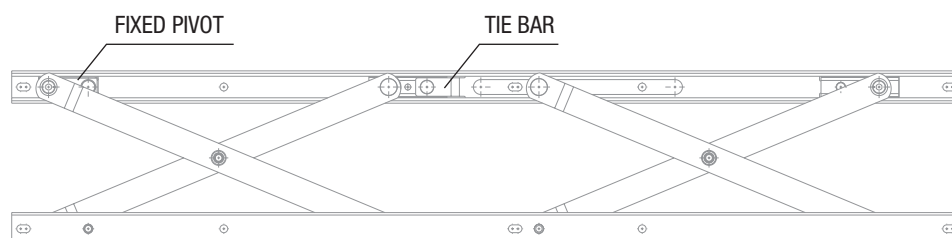
Technical Information

Description	Hinge Length (in/mm)	Max. Vent Weight (lb/kg)	Min. Vent Height (mm)	Max. Vent Height (mm)	Max. Manual Opening (in/mm)	Max. Motorised opening (in/mm)	Cavity Dimensions (mm)	Opening Temp. Range
Parallel Plus 350mm	13.8/350	220/100	15/380	19.7/500	6/150	7/180	20-22	-20°C to 60°C
Parallel Plus 450mm	17.7/450	220/100	18.9/480	28.3/720	6/150	10/250	20-22	-20°C to 60°C
Parallel Plus 670mm	26.4/670	441/200	27.6/700	43.3/1100	6/150	6/150	20-22	-20°C to 60°C
Parallel Plus 950mm	37.4/950	441/200	37.8/960	78.7/2000	6/150	10/250	20-22	-20°C to 60°C

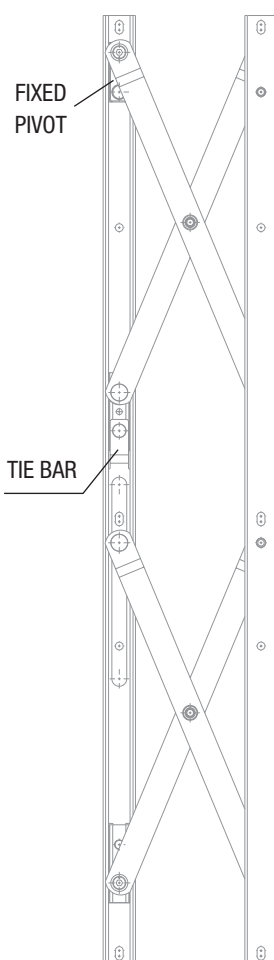
Use drop-in limit stop 9-C8629, one fitted to each side mounted hinge to restrict the opening to the specified maximum opening, on manually operated vents only

Parallel Plus Hinges

for Projection Windows



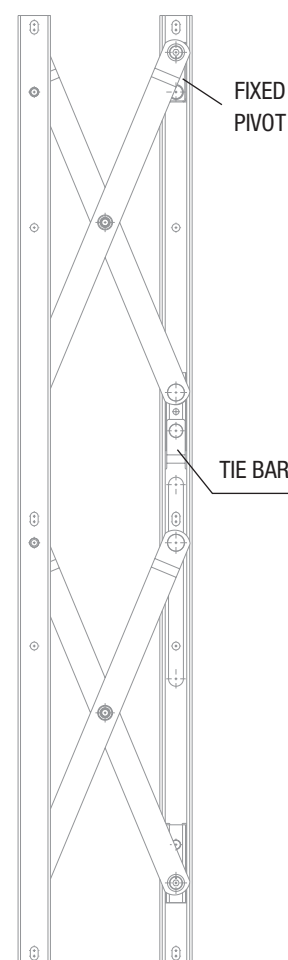
CONTROL STAY RIGHT HAND HINGE 6-C8636-XX-R-8



LEFT HAND HINGE 6-C8636-XX-L-8

FITTING INSTRUCTIONS

- The side mounted hinges should be fitted with the fixed pivots to the top
- Securistyle recommends that the track incorporating the tie bar is fitted to the frame profile
- The control stays should be fitted to the top rail of the window if only one control stay is required or top and bottom if two are required
- If two chain drive motors are used they must be fitted centrally on the shortest sides of the vent opposite each other. If four chain drive motors are used they must be positioned close to each vent corner
- On manually operated vents use two operating handles mounted centrally on the vertical sides of the vent if the vent does not exceed 1500 mm wide
- Parallel hinges do not provide weather sealing; if the window is manually operated this should be provided by a separate perimeter lock. If the window is motor operated this can be provided by either the motors or a synchronized motor operated separate perimeter lock



RIGHT HAND HINGE 6-C8636-XX-R-8

Defender Hinges

for Casement & Awning Windows



Awning Configuration Defender 6" to 24" Friction Hinges

Description	Color	PU	Part Number
Defender hinge 6"	SS	25	6-C8633-06-P-8
Defender hinge 8"	SS	25	6-C8633-08-P-8
Defender hinge 10"	SS	25	6-C8633-10-P-8
Defender hinge 12"	SS	25	6-C8633-12-P-8
Defender hinge 16"	SS	25	6-C8633-16-P-8
Defender hinge 20"	SS	25	6-C8633-20-P-8
Defender hinge 24"	SS	25	6-C8633-24-P-8
* = Color PU = Packaging Unit			

Additional information

- Hinges that can be used to make casement or awning windows
- Hinges fitted with an asymmetric design of locating system which is unique to Securistyle
- All metal components made from 430 stainless steel
- The unique design of the tip offers many advantages such as:
 - Fool-proof locating system for reliable closing
 - Operates smoothly through-out its long life
 - Provides more effective weather and draught proofing
- Casement on request

Technical Information

Description	Hinge Length (in/mm)	Max. Vent Weight (lb/kg)	Min. Vent Height (in/mm)	Max. Vent Height (in/mm)	Min. Vent Width (in/mm)	Max. Vent Width (in/mm)	Cavity Dimensions (mm)	Opening Angle (± 2,5°)
Awning windows								
Defender 6"	6/159	22/10	6/150	12/300	-	-	13-14	50°
Defender 8"	8/209	26/12	8/200	14/350	-	-	13-14	65°
Defender 10"	10/259	35/16	11/275	16/400	-	-	13-14	80°
Defender 12"	12/310	44/20	14/350	22/550	-	-	13-14	80°
Defender 16"	16/412	46/21	20/500	29/780	-	-	13-14	80°
Defender 20"	20/513	57/26	27/700	43/1100	-	-	13-14	50°
Defender 24"	24/615	88/40	33/850	51/1300	-	-	13-14	37°
Casement windows								
Defender 8"	8/209	39/18	-	-	8/200	16/400	13-14	65°
Defender 12"	12/310	48/22	-	-	12/300	24/600	13-14	60°
Defender 16"	16/412	53/24	-	-	16/400	28/700	13-14	60°

Defender Egress Hinges

for Emergency Exit with Easy Cleaning Facility



Hinges in easy clean position

Defender Egress 12" and 16" Friction Hinges

Description	Color	PU	Part Number
Defender egress hinge 12"	SS	25	6-C8632-12-P-8
Defender egress hinge 16"	SS	25	6-C8632-16-P-8
* = Color PU = Packaging Unit			

Additional information

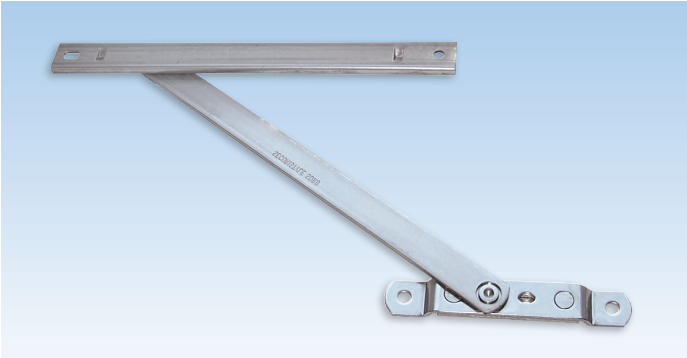
- Allows casement windows to open to a full 90° for emergency exit
- Release mechanism allows cleaning access from the inside of the building
- Automatically resets to the fire escape mode when the window is closed
- All metal components made from high grade 304 Stainless Steel

Technical Information

Description	Hinge Length (in/mm)	Max. Vent Weight (kg)	Min. Vent Height (mm)	Max. Vent Height (mm)	Min. Vent Width (mm)	Max. Vent Width (mm)	Cavity Dimensions (mm)	Opening Angle (± 2,5°)
Defender Egress 12"	12/310	22	-	-	300	600	13-14	80°
Defender Egress 16"	16/413	24	-	-	400	700	13-14	90°

Detachable Restrictors

for Storm Balanced Hinges



Detachement

Detachable Restrictor Stays 4" to 10"

Description	Color	PU	Part Number
Detachable restrictor stay 4"	SS	50	6-C8628-04-0-8
Detachable restrictor stay 6"	SS	50	6-C8628-06-0-8
Detachable restrictor stay 8"	SS	50	6-C8628-08-0-8
Detachable restrictor stay 10"	SS	50	6-C8628-10-0-8
Detachable stays are in unit			
* = Color PU = Packaging Unit			

Release Key

Description	Color	PU	Part Number
Release key for detachable stays	Zinc	1	9-C8628-00-0-0
* = Color PU = Packaging Unit			

Additional information

- All metal components are manufactured from stainless steel 304
- For large top hung vents, the friction arm can be used an extra support by fitting it below the existing friction hinge
- This will have the effect of limiting the opening as well as adding stability to the sash
- Fixed restriction to a wide range of opening angles
- For 16mm to 18mm cavity height
- Key releasable restriction for cleaning and maintenance with a special key (Key is not included)



Standard Restrictor Stays 4" to 9"

Description	Color	PU	Part Number
Restrictor stay 4"	SS	25	6-C8627-04-P-8
Restrictor stay 6"	SS	25	6-C8627-06-P-8
Restrictor stay 9"	SS	25	6-C8627-09-P-8
* = Color PU = Packaging Unit			

Additional information

- All metal components are manufactured from stainless steel 430
- The slide is made of Thermoplastic components
- For large top hung vents, the friction arm can be used as an extra support by fitting it below the existing friction hinge
- This will have the effect of limiting the opening as well as adding stability to the sash
- For 13mm to 14mm cavity height



Heavy Duty Restrictor Stay

Description	Color	PU	Part Number
Restrictor stay 8"	SS	25	6-C8641-08-P-8
Restrictor stay 16"	SS	25	6-C8641-16-P-8
* = Color PU = Packaging Unit			

Additional information

- All metal components are manufactured from stainless steel 304
- Composite stainless steel and acetal slide
- For large top hung vents, the friction arm can be used as an extra support by fitting it below the existing friction hinge
- This will have the effect of limiting the opening as well as adding stability to the sash
- For 16mm to 18mm cavity height



Drop-in Limit Stops

Description	Color	PU	Part Number
Limit stop for Storm BS 10"	SS	1	9-C8629-10-0-8
Limit stop for Storm BS 16"	SS	1	9-C8629-16-0-8
* = Color PU = Packaging Unit			

Additional information

- Made of stainless steel 430
- 20, 30 and 45 degree of restriction
- Use for Storm BS hinges 10" and 16"



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AUTOMATIC ENTRANCE SYSTEMS
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Edition 04.2020 | Printed in Canada

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