



WINDOW TECHNOLOGY
DOOR TECHNOLOGY
AUTOMATIC ENTRANCE SYSTEMS
BUILDING MANAGEMENT SYSTEMS



WINDOW TECHNOLOGY – ORDER CATALOG

Securistyle Hinges



Securing technology for you





08.1

Friction Hinges

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Storm BS Friction Hinges 10" and 16"

Description	Color	PU	Part Number
Storm BS hinge 10"	Stainless Steel	25	6-C8648-10-P-8
Storm BS hinge 16"	Stainless Steel	25	6-C8648-16-P-8

Used for casement windows only

Storm BS Loose Rivets Hinge 10"

Storm BS loose rivets hinge 10"	Stainless Steel	25	6-C8654-10-P-8
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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

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 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°



6-C8646-22-P-8

Storm B Friction Hinge 22"

Description	Color	PU	Part Number
Storm B hinge 22"	Stainless Steel	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



6-C8649-26-P-8

Storm B Friction Hinge 26"

Description	Color	PU	Part Number
Storm B hinge 26"	Stainless Steel	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



End locator



Heavy duty slider

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	265/120	50/1270	87/2200	-	-	16-18	20°



6-C8636-XX-L/R-8



Low friction pivot point



Low friction resistant sliders



Parallel Plus Projection Friction Hinges

Description	Color	PU	Part Number
Parralel plus hinge 350	Stainless Steel	10	6-C8636-35-L/R-8
Parralel plus hinge 450	Stainless Steel	10	6-C8636-45-L/R-8
Parralel plus hinge 670	Stainless Steel	10	6-C8636-67-L/R-8
Parralel plus hinge 950	Stainless Steel	10	6-C8636-95-L/R-8

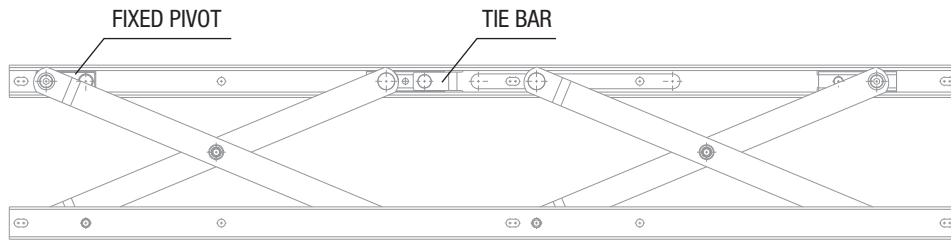
L/R = Left-handed/Right-handed * = Color PU = Packaging Unit

Additional information

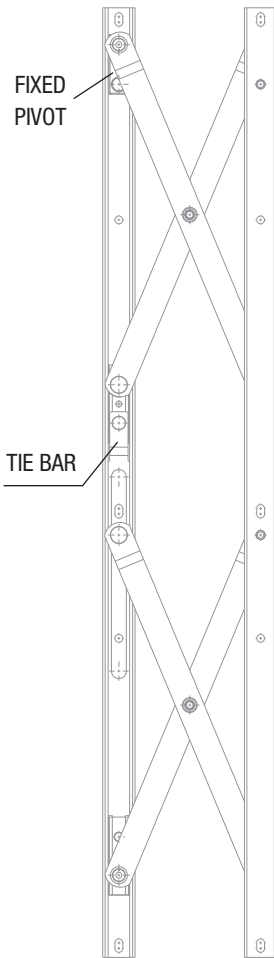
- Significant cost saving on motor operators
- Parallel Plus vents can be restricted to 40mm openings and still provide whole perimeter ventilation and effective air exchange equivalent to conventional window open to 100mm or more
- Provides a safe, secure and well ventilated environment
- Adjustable 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
- Motorised windows can be catered for up to 6000mm tall and 1 metric tonne
- 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

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

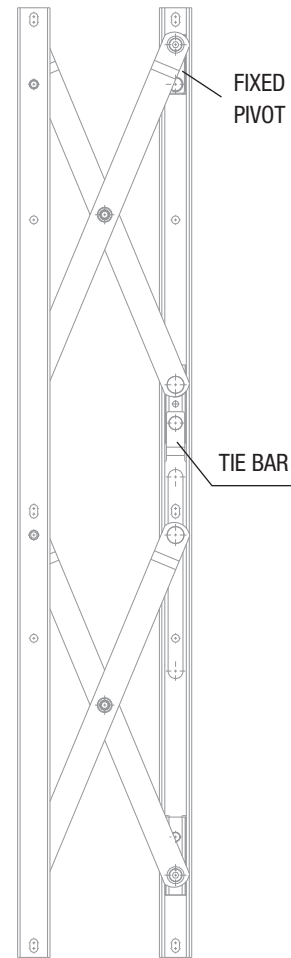
Use drop-in limit stop 9-C8629, one fitted to each side mounted hinge to restrict the opening to the specified maximum opening, on manually operated vents only



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



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



**RIGHT HAND HINGE
6-C8636-XX-R-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 synchronised motor operated separate perimeter lock



Defender Friction Hinges 6" to 24"

Description	Color	PU	Part Number
Defender hinge 6"	Stainless Steel	25	6-C8633-06-P-8
Defender hinge 8"	Stainless Steel	25	6-C8633-08-P-8
Defender hinge 10"	Stainless Steel	25	6-C8633-10-P-8
Defender hinge 12"	Stainless Steel	25	6-C8633-12-P-8
Defender hinge 16"	Stainless Steel	25	6-C8633-16-P-8
Defender hinge 20"	Stainless Steel	25	6-C8633-20-P-8
Defender hinge 24"	Stainless Steel	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

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 hinges (top hung)								
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 hinges (side hung)								
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°



6-C8632-12-P-8



6-C8632-16-P-8



Hinges in easy clean position

Defender Egress Friction Hinges 12" and 16"

Description	Color	PU	Part Number
Defender hinge 12"	Stainless Steel	25	6-C8632-12-P-8
Defender hinge 16"	Stainless Steel	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



Thermoplastic end cap



Release mechanism



Smooth operation slider

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 12	12/310	22,0	-	-	300,0	600,0	13 - 14	80°
DEFENDER 16	16/412	24,0	-	-	400,0	700,0	13 - 14	90°



6-C8628-XX-0-8

Detachable Restrictor Stays 4" to 10"

Description	Color	PU	Part Number
Restrictor stay 4"	Stainless Steel	50	6-C8628-04-0-8
Restrictor stay 6"	Stainless Steel	50	6-C8628-06-0-8
Restrictor stay 8"	Stainless Steel	50	6-C8628-08-0-8
Restrictor stay 10"	Stainless Steel	50	6-C8628-10-0-8

Detachable stays are in unit

Release Key

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



9-C8628-00-0-0



Detachement

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)



6-C8641-08-P-8

Heavy Duty Restrictor Stay 8"

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

Additional information

- All metal components are manufactured from stainless steel 304
- Composite stainless steel and acetal slide
- Use for commercial windows
- 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



Standard Restrictor Stays 4" to 9"

Description	Color	PU	Part Number
Restrictor stay 4"	Stainless Steel	25	6-C8627-04-P-8
Restrictor stay 6"	Stainless Steel	25	6-C8627-06-P-8
Restrictor stay 9"	Stainless Steel	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
- Use for domestic windows
- 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



Drop-in Limit Stops

Description	Color	PU	Part Number
Stop for STORM BS 10	Stainless Steel	1	9-C8629-10-O-8
Stop for STORM BS 16	Stainless Steel	1	9-C8629-16-O-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"