securistyle

CI/SfB Reference (31.49) X

April 2008

STORM BALANCED

Unrivalled weather sealing

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HEAVY DUTY FRICTION HINGES FOR COMMERCIAL APPLICATIONS

- Self balancing hinge range
- Unrivalled weather sealing
- Capable of achieving high gust loading
- Low inventory non balancing range option
- Austenitic 304* stainless steel throughout
- Superior carrying capacity
- 12 year guarantee (details available upon request)

The Storm hinge range has been designed to exceed the requirements of AAMA 101/I.S.2 - 97, specifically high gust load rating. In addition to exceeding this high performance standard, Storm also benefits from excellent weathersealing from its unique asymmetric metal point and cap as well as smooth reliable operation.

Full technical and sales support which will cover consultancy per project basis and on-site advice when necessary.

* Austenitic (was 304) stainless steel to BS EN ISO 10088/2 Grade 1.4301 for enhanced corrosion resistance.

▼ **OPTIONAL ADJUSTMENT**
Slide-on end block for simple, accurate cam adjustment

▼ **HEAVY DUTY FRICTION SLIDERS**
Stainless steel composite sliders to give maximum strength yet perform with the smoothest of action

▲ **STEEL END LOCATOR**
A stainless steel end cap automatically directs the end point smoothly and firmly towards the closed position

▼ **PULL IN BLOCK**
Maintains effective weather seal and reduces bowing on large vents.

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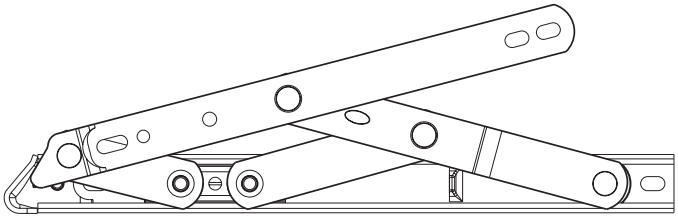
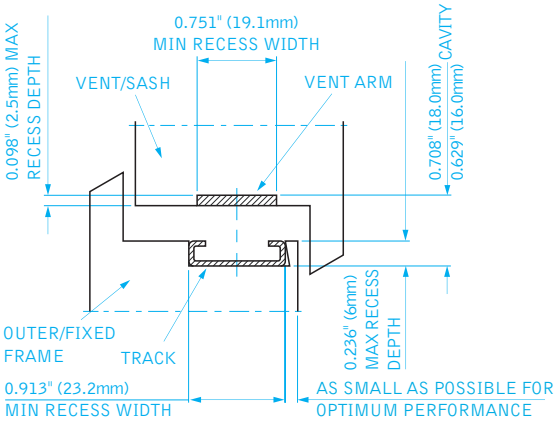
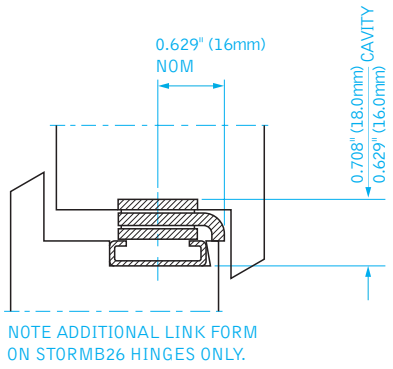
Product Specification







PRODUCT SPECIFICATION

- Storm Egress variant available, allowing casement windows to open to a full 90º for emergency exit
- Complies to the requirements of AAMA 904.1 - 87, 910 - 93 and 101/I.S.2 - 97)
- Available in 10", 12", 16", 22" and 26" projecting and 10" and 16" casement
- Suitable for vents 11" to 7'2" high
- Standard, offset and highline and variants available
- Composite slider
- Storm BS10 and BS16 available as loose rivet variants

OPTIONAL FEATURES

- Add on adjustment device

Note: Pivot design provides additional friction at angles of 10º or less. However, it may be necessary to fit additional separate device(s) on top hung vents to enable them to remain in a selected ventilation position.

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Hinge Code Top Hung	Hinge Length (in/mm)	Max Vent Weight (lb/Kg)	Max Vent Height (in/mm)	Min Vent Height (in/mm)	Opening Angle (+/- 2.5º)	Number of cycles ('000's)
STORMB10	10/262	81/37	25.0/635	10.5/267	50º	10
STORMB12	12/313	99/45	30.9/787	25.0/635	50º	10
STORMB16	16/415	121/55	42.9/1090	30.9/787	50º	10
STORMB22	22/567	165/75	59.0/1500	42.9/1090	45º	10
STORMB26*	26/680	264/120	87.0/2200	50.0/1270	20º	10
Side Hung			Max Vent Width	Min Vent Width		
STORMBS10	10/262	83/38	26.0/665	11.0/280	80º	10
STORMBS16	16/415	103/47	33.0/838	18.0/457	90º	10

STORM EGRESS

Hinge Code	Max Vent Weight (lb/Kg)	Max Vent Width (in/mm)	Max Vent Height (in/mm)	Hinge Length (in/mm)	Opening Angle (+/- 2.5º)	Number of cycles ('000's)
STORME16	103/47	33/838	18.0/450	16.3/415	90º	10

*Vents of 100kg must be fitted with S7280 cam adjustment devices, which are optional on lighter vents.

Separate restrictors (SR8 or SR16BAC pair), vent holding devices or an operating mechanism may be required to hold large vents in a selected ventilation position against variable wind pressure.