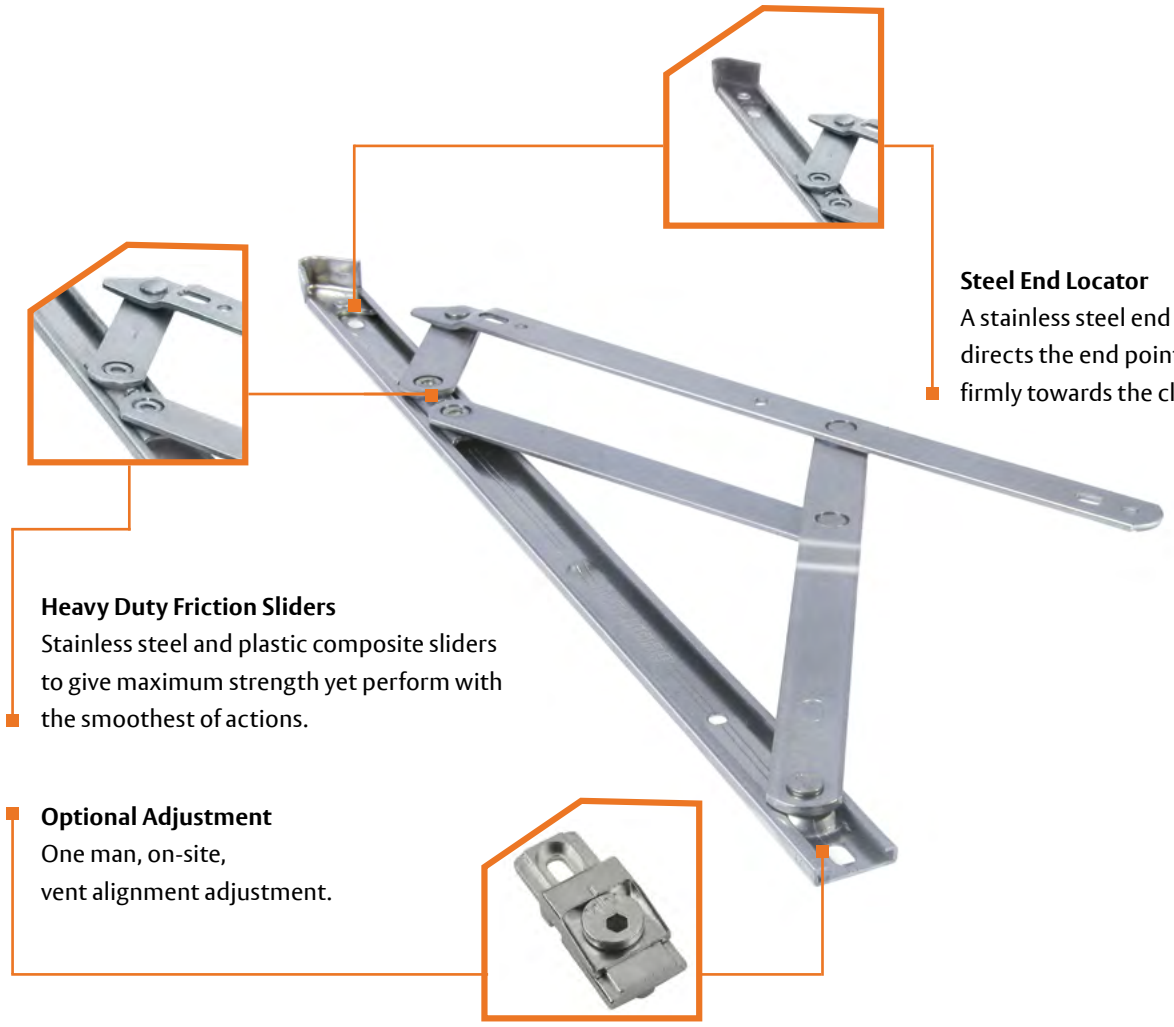
securistyle

Storm Balanced Friction Stay

A self-balancing hinge range achieving high gust loading performance on projecting top hung (awning) and side hung (casement) windows.

Storm Balanced Friction Stay

Suitable for both top hung (awning) and side hung (casement) windows, the Storm Balanced Friction Stay achieves high gust loading performance and is manufactured from austenitic 304 stainless steel. Plus, comprising stainless steel composite sliders, it offers maximum strength combined with the smoothest action.



Steel End Locator
A stainless steel end cap automatically directs the end point smoothly and firmly towards the closed position.

Heavy Duty Friction Sliders
Stainless steel and plastic composite sliders to give maximum strength yet perform with the smoothest of actions.

Optional Adjustment
One man, on-site,
vent alignment adjustment.

- **Suitable for top hung vents up to 120kg and 2.2m high**
- **Suitable for side hung vents up to 47kg and 0.84m wide**
- **Asymmetric stainless steel end cap and end point provide superior gust load resistance**
- **Composite stainless steel and plastic slider for strength and maximum wear resistance**
- **Capable of achieving high gust loading**
- **Excellent carrying capacity**
- **Self-balancing hinge range**
- **Suitable for 16-18mm hardware capacity**
- **Optional cam adjustment device to aid final on-site alignment of heavy top hung vents**
- **Product Specific EPD**
- **Low inventory non-balancing range option (drop in limit stops available on request)**
- **Standard, Egress and Offset closing (1.85mm) variants available**

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

Storm Balanced - Standard

Storm Balanced Top Hung	Max Vent Weight (kg)	Min Vent Height (mm)	Max Vent Height (mm)	Opening Angle (+/-2.5°)
STORMB10	37	267	635	50°
STORMB12	45	635	787	50°
STORMB16	55	787	1090	50°
STORMB22	75	1090	1500	45°
STORMB26*	120	1270	2200	20°

Storm Balanced Side Hung	Max Vent Weight (kg)	Min Vent Width (mm)	Max Vent Width (mm)	Opening Angle (+/-2.5°)
STORMBS10**	38	280	665	80°
STORMBS16**	47	457	838	90°

Storm Egress

Storm Egress Side Hung	Max Vent Weight (kg)	Min Vent Width (mm)	Max Vent Width (mm)	Opening Angle (+/-2.5°)
STORME16	47	457	838	90°

Storm Balanced - Offset Vent Arm

Storm Balanced Top Hung	Max Vent Weight (kg)	Min Vent Height (mm)	Max Vent Height (mm)	Opening Angle (+/-2.5°)
STORMB10BX	37	267	635	50°
STORMB12BX	45	635	787	50°
STORMB16BX	55	787	1090	50°
STORMB22BX	75	1090	1500	45°
STORMB26BX*	120	1270	2200	20°

Storm Balanced Side Hung	Max Vent Weight (kg)	Min Vent Width (mm)	Max Vent Width (mm)	Opening Angle (+/-2.5°)
STORMBS10BX	38	280	665	80°
STORMBS16BX	47	457	838	90°

Storm Egress - Offset Vent Arm

Storm Egress Side Hung	Max Vent Weight (kg)	Min Vent Width (mm)	Max Vent Width (mm)	Opening Angle (+/-2.5°)
STORME16BX	47	457	838	90°

* Vents weighing 100kg or more must be fitted with S7280 cam adjustment devices, which are optional on lighter vents. Separate restrictors (SR8 or SR16BAC pair), vent holding devices (SOR type restrictors) or an operating mechanism may be required to hold large vents in a selected ventilation position against variable wind pressure.

** Storm BS10 and BS16 available as loose rivet variants.

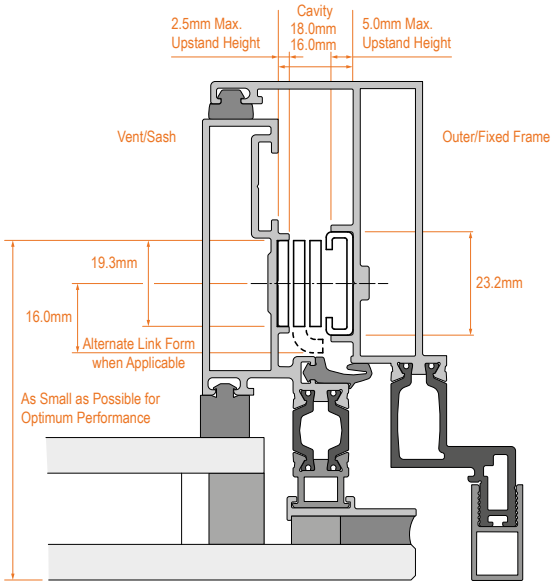
Note: Pivot design provides additional friction at angles of 10° or less. However, it may be necessary to fit additional separate device(s) on awning vents to enable them to remain in a selected ventilation position.

Specification

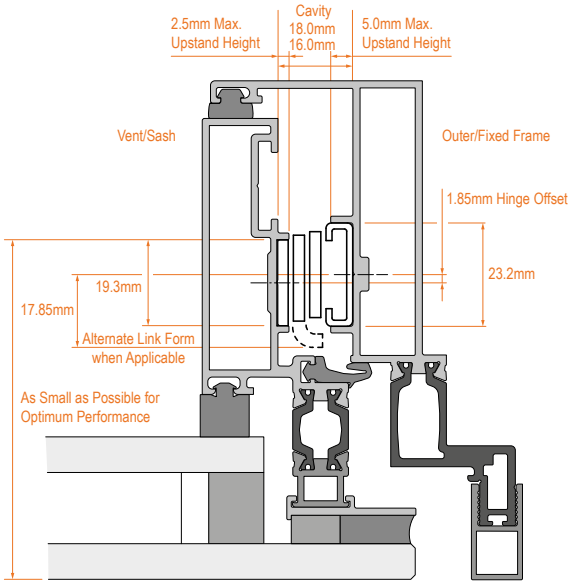
- Tested to BS 6375-2 – classification for operation and strength characteristics and guidance on selection and specification
- Tested to BS EN 1670 – Grade 5 corrosion resistance 480 hours
- Endurance tested to 10,000 cycles
- AAMA 910 - Life Cycle Specifications and Test Methods for AW Class Architectural Windows and Doors
- AAMA 904 - Specification for Multi-Bar Hinges in Window Applications
- 12 Year Mechanical Guarantee
- Manufactured from Austenitic 304 stainless steel for high corrosion resistance

Technical Drawings

Standard



Offset



Accreditations and Affiliations

Council for Aluminium in Buildings
CAB encourages the use of aluminium products in construction.

American Architectural Manufacturers Association
The leading trade association for window, door, skylight, curtain wall and storefront manufacturers and their suppliers in North America.

Council on Tall Buildings & Urban Habitat
The world's leading resource for professionals focused on the design and construction of tall buildings.

Made in Britain
Initiative that champions British manufacturing by encouraging the supply chain of UK-made goods.

The Environmental Product Declaration
Independently verified and registered document that communicates key information about the life-cycle environmental impact of products.

ISO 14001
British Standards Institute certification for the design, development, supply and manufacture of architecture for applications to windows.

ISO 9001
British Standards Institute certification for a quality management system.

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