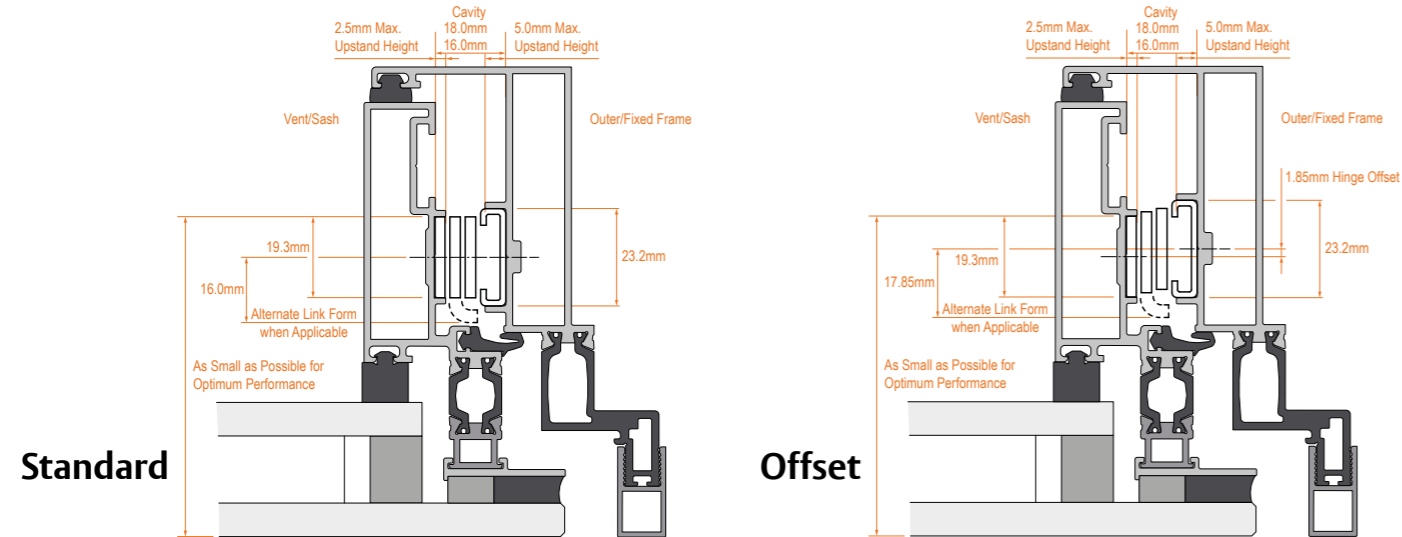


## Technical Drawings



## Accreditations and affiliations



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



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



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



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



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



**ISO 14001:2015**  
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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Due to a continuous programme of development the company reserves the right to make alterations without notice.  
(Products which are not a stocked item will be subject to a longer lead time which needs to be agreed with your Securistyle representative).

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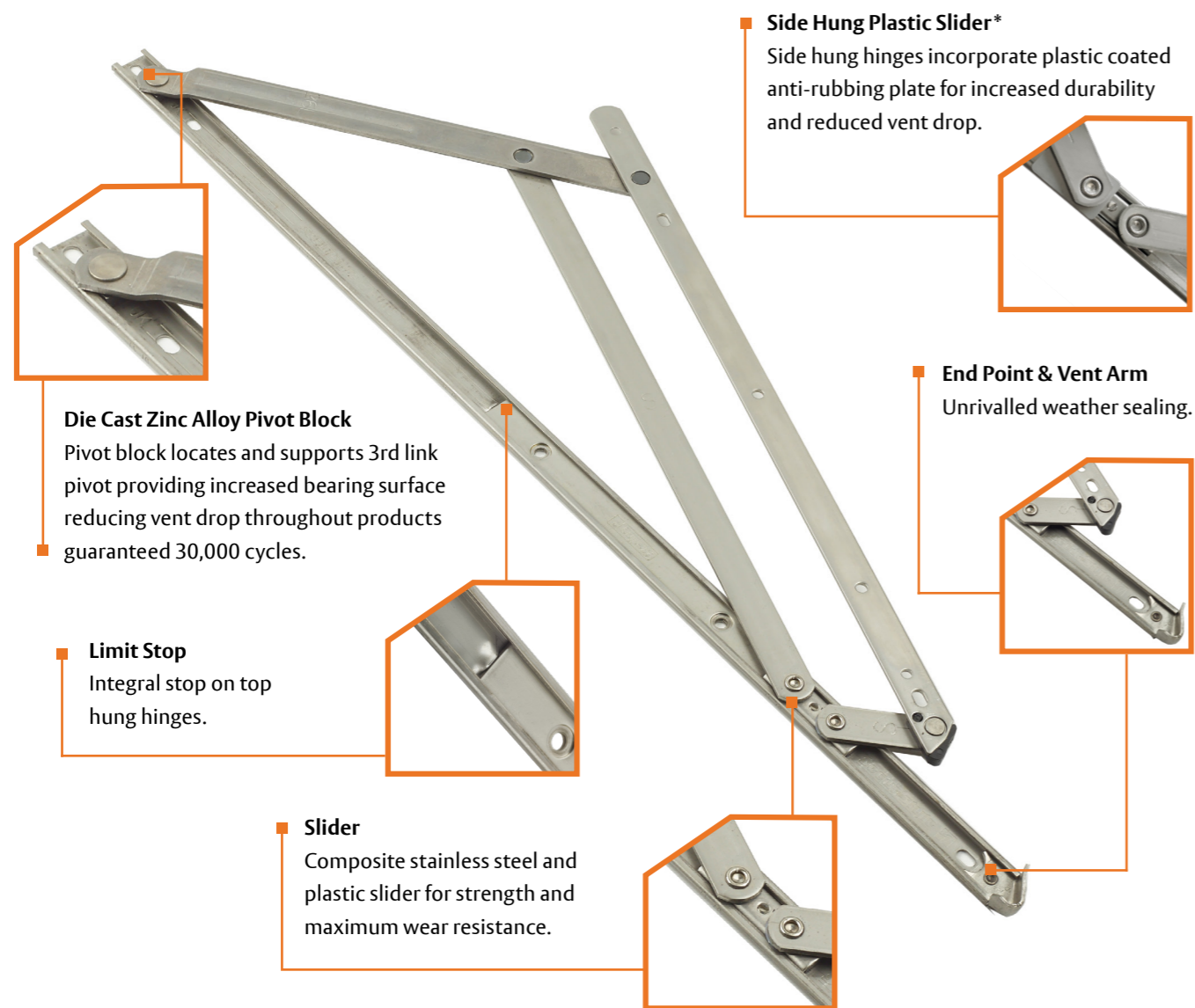
## Sterling Heavy Duty Friction Stay

Superior self-balancing commercial hinge range with unrivalled weather sealing, providing natural ventilation on projecting top, bottom and side hung windows.



# Sterling Heavy Duty Friction Stay

This high-quality hinge offers a range of features designed to provide increased durability, strength and load resistance. With standard and offset variants available, this product is as versatile as it is practical.



- Suitable for top hung vents up to 180kg and 2.5m high
- Suitable for side hung vents up to 55kg and 0.84m wide
- Suitable for bottom hung vents size and weight on request
- Asymmetric stainless-steel end cap combined with plastic end point to eliminate metal to metal contact for superior durability and strength
- Coated pivot rivets for enhanced wear resistance and long-life expectancy
- Optional cam adjustment device (S7280) to aid final on site alignment of heavy duty top hung vents
- Self-balancing hinge
- Product specific EPD available
- Standard and offset variants available

\* Feature only found on side hung hinge.

## Sterling - Standard

Sterling Top Hung	Max Vent Weight (kg)	Min Vent Height (mm)	Max Vent Height (mm)	Opening Angle (+/-2.5°)
SPT10	40	270	640	50°
SPT12	50	640	800	50°
SPT16	65	800	1100	50°
SPTH16*	100	600	1100	30°
SPT22*	100	1100	1500	45°
SPT22W*	100	1500	2000	20°
SPT26*	180	2000	2500	20°

Sterling Side Hung	Max Vent Weight (kg)	Min Vent Width (mm)	Max Vent Width (mm)	Opening Angle (+/-2.5°)
SPS10	38	300	660	85°
SPSH16	55	450	840	60°

## Sterling - Offset Vent Arm

Sterling Top Hung	Max Vent Weight (kg)	Min Vent Height (mm)	Max Vent Height (mm)	Opening Angle (+/-2.5°)
SPT10BX	40	270	640	50°
SPT12BX	50	640	800	50°
SPT16BX	65	800	1100	50°
SPTH16BX*	100	600	1100	30°
SPT22BX*	100	1100	1500	45°
SPT22WBX*	100	1500	2000	20°
SPT26BX*	180	2000	2500	20°

Sterling Side Hung	Max Vent Weight (kg)	Min Vent Width (mm)	Max Vent Width (mm)	Opening Angle (+/-2.5°)
SPS10BX	38	300	660	85°
SPSH16BX	55	450	840	60°

\* 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 (SOR type restrictors) or an operating mechanism may be required to hold large vents in a selected ventilation position against variable wind pressure.  
**Note:** As with all types of friction hinges, friction can not be provided until the slider moves, therefore when limiting the opening of top hung vents to angles of 10° or less, additional device(s) will be required 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 30,000 cycles
- AAMA 910 - Life Cycle Specifications and Test Methods for AW Class Architectural Windows and Doors
- AAMA 904 - Voluntary Specification for Multi-Bar Hinges in Window Applications
- SIS 212 - Singapore Standard: Specification for aluminium alloy windows
- QMark Certified - 020/001
- Gust load resistance <135psf/6470pa
- 12 Year Guarantee
- Manufactured from Austenitic 304 stainless steel for high corrosion resistance, 316 MarineTek range available on request