

STERLING

Superior window
balancing

STERLING

HEAVY DUTY
FRICTION HINGES FOR
COMMERCIAL
APPLICATIONS

- Self-balancing hinge
- Capable of achieving all leading international standards, including the UK BS 6375; the North American AAMA 904.1; and the Singapore Standard 212:2004
- Unrivalled weather sealing
- Austenitic stainless steel for enhanced corrosion resistance
- Superior Carrying Capacity
- 12 year guarantee (details available upon request)

High performance components are used throughout Securistyle's hinge range. This investment results in a reliability of operation which is unequalled in the industry. Sterling has been proven up to 30,000 full cycles and conforms to all leading international standards.

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



◀NEW REDESIGNED END POINT & VENT ARM

Gust load resistance improved via redesigned end point and vent arm. Testing at ATi (USA) reported increased gust load resistance <135psf/6470pa.



▲NEW DIE CAST ZINC ALLOY PIVOT BLOCK

Pivot block locates and supports 3rd link pivot providing increased bearing surface reducing vent drop throughout products guaranteed 30,000 cycles.



◀PULL IN BLOCK

Maintains effective weather seal and reduces bowing on large vents.

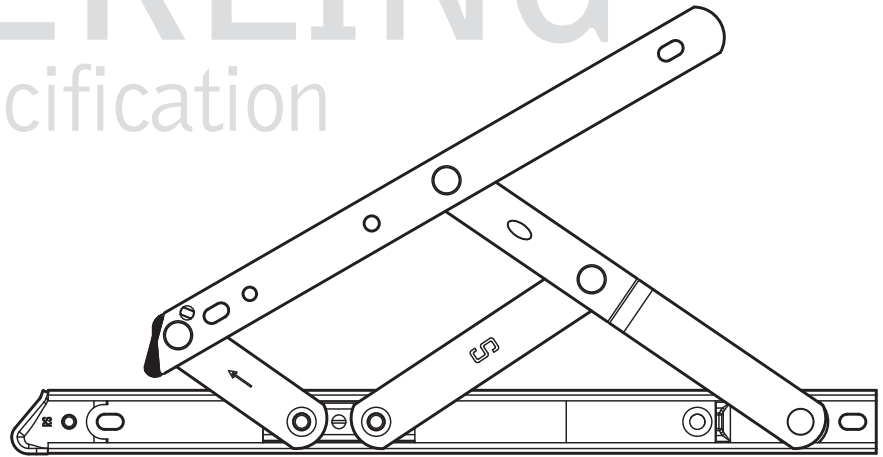


◀CAM ADJUSTMENT DEVICE

One man on site alignment adjustment of heavy vent.

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Product Specification



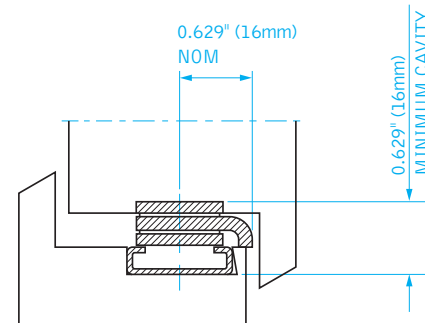
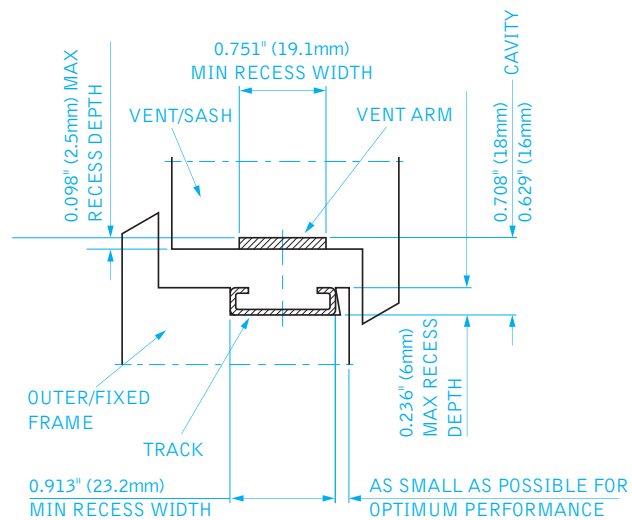
PRODUCT SPECIFICATION

- Anti-rubbing composite slider eliminates metal to metal contact and helps prevent vent drop
- Carries commercial vents from 0.3m to 2.5m high, up to 180kg in weight
- Adjustable opening stop on top hung hinges
- Available in 10" to 26" top hung and 10" & 16" side hung
- 10" and 16" side hung open for easy cleaning of windows
- The SPTH16 has been designed to specifically meet the growing trend for low height extra wide heavy windows.

OPTIONAL FEATURES

- Add on adjustment device (S7280)
- Add on weather sealing device (CPB1)

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.



NOTE ADDITIONAL LINK FORM ON SPTH16 AND SPT22W AND SPT26.

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| Hinge Code | Hinge Length (in/mm) | Max Vent Weight (lb/Kg) | Max Vent Height (in/mm) | Min Vent Height (in/mm) | Opening Angle (+/- 2.5°) | Number of cycles ('000's) |
|------------|----------------------|-------------------------|-------------------------|-------------------------|--------------------------|---------------------------|
| SPT10 | 10/262 | 88/40 | 25.0/640 | 10.5/267 | 50° | 30 |
| SPT12 | 12/313 | 110/50 | 31.5/800 | 25.2/640 | 50° | 30 |
| SPT16/W | 16/415 | 143/65 | 43.3/1100 | 31.5/800 | 50° | 30 |
| SPTH16* | 16/415 | 220/100 | 43.3/1100 | 23.6/600 | 30° | 30 |
| SPT22* | 22/567 | 220/100 | 59.0/1500 | 42.9/1090 | 45° | 30 |
| SPT22W* | 22/567 | 220/100 | 78.7/2000 | 59.0/1500 | 20° | 30 |
| SPT26* | 26/680 | 397/180 | 98.4/2500 | 78.7/2000 | 20° | 30 |
| Side Hung | | | Max Vent Width | Min Vent Width | | |
| SPS10 | 10/262 | 83/38 | 26.0/660 | 11.8/300 | 85° | 30 |
| SPSH16 | 16/415 | 121/55 | 33.0/838 | 17.7/450 | 60° | 30 |

*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.



Due to our policy of continual improvement we reserve the right to alter specifications without notice. It is the responsibility of the window manufacturer to ensure that the finished window meets the required performance and safety specification.

All transactions are subject to our standard conditions of supply, which are available on request.