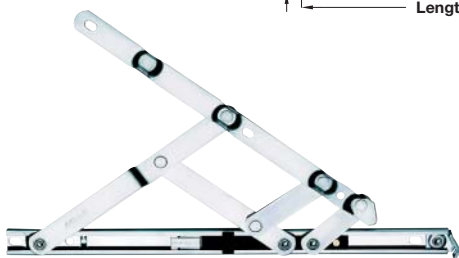
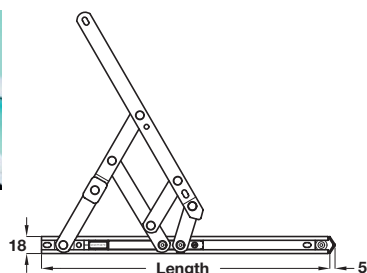
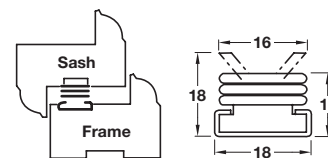


Window Friction Hinges

Standard Restrictor, Side and Top Hung

- **Size and weight parameters are to be strictly observed**
- Passed endurance assessment by the British Board Agreement
- Tested to 30,000 cycles
- Waterproof lubricant added to each pivot point during manufacture
- Slotted fixing holes in the base channel and sash bar, with final fixing holes in each component
- Stacking height 13 mm on standard and 14 mm heavy duty (17/18 mm available to order, subject to quantity)
- Suitable for timber, PVCu and aluminium windows
- **Friction hinges should always be fixed with end-cap abutting the corner of the window frame (see diagram, right)**
- Friction hinge mounting faces must be flat, parallel and provide the correct cavity clearance, 13/14 mm or 17/18 mm (-0 mm +1 mm)
- Centre line of both vent and frame should be coincidental and parallel
- After installation, the friction screw should be adjusted to obtain the desired resistance
- All windows hardware will require regular inspection, cleaning and maintenance in order to operate in the manner for which they have been designed
- 10 year performance guarantee



Restrictor friction hinge

- Designed to protect against accidental falling
- Available for side and top hung windows
- Mechanism that restricts the initial window opening to 100 mm
- Complies with BS 8213 Part 1: 2001 'Code of Practice for Safety in use and in cleaning' and BS EN 14351-1: 2006 'Load bearing capacity of safety devices'
- Designed to be unobtrusive, the opening catch is less tempting to children
- The mechanism requires a certain level of strength and dexterity to operate and two hands are required to co-ordinate opening, giving added protection
- The entire restrictor mechanism is integral to the hinge, eliminating the need for a separate restrictor
- Only two sizes of each side hung and top hung available
- Stay parts: Ferritic stainless steel grade 430
- Friction slide: Glass-filled nylon
- Adjustment screws: Brass

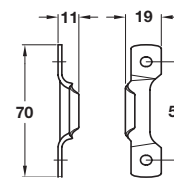
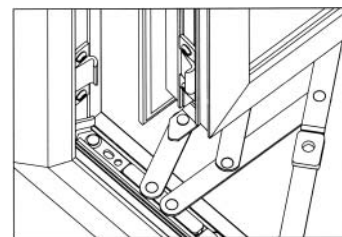
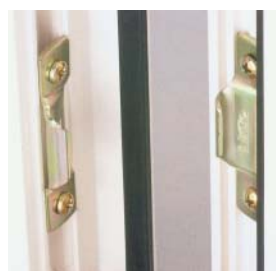
For side hung windows

Size	Maximum vent		Opening weight	Opening angle ³	Cat. No.
	width	height			
05 mm (12")	600 mm	1300 mm	22 kg	60°	911.59.128
406 mm (16")	700 mm	1300 mm	24 kg	60°	911.59.129

For top hung windows

Size	Maximum vent		Opening weight	Opening angle	Cat. No.
	width	height			
509 mm (20")	1000 mm	1000 mm	24 kg	52°	911.59.126
609 mm (24")	1200 mm	1200 mm	35 kg	38°	911.59.127

Order qty: 1 pair



X-tra bolt, security bolt

- Recommended for use with all friction hinges
- Suitable for new or retrofit installation
- Exceeds the requirements of BS 7950 and PAS 024
- Compact and unobtrusive
- Mild steel. Supercoat 500 anti-corrosion finish

Finish	Cat. No.
Yellow chromated	911.59.130

Order qty: Multiples of 4 pcs

Stainless steel window screws are shown in Section 15, page 27

For fixing window furniture to unreinforced single and multi-channel sections. Countersunk, with cut point.



Universal friction stay screws. Shallow pan and self drilling point.



For fixing window friction hinges to unreinforced framed uPVC. Shallow pan, single course point.

