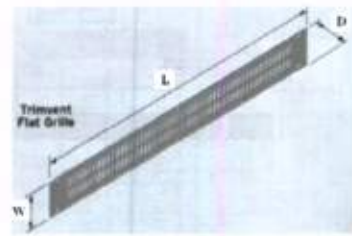
3.2 Lipped Casement Windows

Mechanism	• Handle operated espagnolette locking mechanism • Adjustable locking points on handle side and on top and bottom (quantity is depending on size)
Operation	• Window opens outwards • In locked position handle points downwards • Turning the handle 90° opens the sash fully • Turning the handle another 45° brings sash into nightvent position (if specified)
Hinge system	• **Hinge Options** • Easy Clean Friction Hinges • Easy Clean Friction Hinges with built-in opening restrictor • Egress Easy Clean Friction Hinges • CASP Easy Clean Friction Hinges (used for bigger / heavy sashes that need to comply with easy clean) • SFS 11R 14x80mm Butt-Hinges (used for very large sashes, visible hinges with White / Brown cover caps, Restrictor required – usually AutoLatch) – see *dwg: 0150 / 0151* for details Apart from SFS Hinge all Hinges are concealed.
Additional Hardware	• Hinge Side top and bottom = Vector Excluder **Anti-Prise Clips** Fitted to ALL side hung & top hung Casement Windows (picture shows friction hinge AND Anti Prise Clips)  • Hinge Side centre = Siegenia-AUBI **Anti-Warp Clip** NOT fitted to windows with Egress-Easy-Clean Friction Hinges  • **AutoLatch** Restrictor (handed) hook fits to sash pin fits to frame Can only be fitted to Side-Hung Windows.  • Door Type Restrictor can be fitted to side-hung windows that are hinged on SFS 11R 14x80 hinges

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Handles	Handles available in either locking (key & push button) or non-locking (push button only). Specification: 7x7mm thick Spindle, 50mm long, fixed by 2no of Screws M5x50mm (packed loose with handle) Available colours: • Albrafin – 102 • White – 020 • Bright Chrome – 812 • Brown – 023 • Satin Chrome – 825 • Silver – 351 • Brushed Nickel – 961 • Black – 002 All handles are handed – either Left Hand or Right Hand. **Note:** A sash hinged on the Left Hand side as viewed from outside requires a Right Hand handle.	
Ventilators	**Standard**: stepped slot in frame head • **Internal**: recessed **R13** white / brown size: L 413 / W 24 / D 13-23 (open/closed) slot size: 173.5 + 20 + 173.5 x 13mm recess: 408 x 19mm / 10mm deep • **Air flow** 4000mm^2 = 3400 EA 	• **External**: face fixed **TV SW380 Flat Grille** white / brown – covered by head drip size: L 380 / W 20 / D 1 slot size: 173.5 + 20 + 173.5 x 13mm • **Air flow** 2628mm^2 
Glazing Unit	Std glass width = 24mm but can be increased up to 30mm for acoustic glass or enhanced security glass	
Performance	Weather Performance **tested and approved to BS 6375 Part 1:1989** Results: • Air permeability 600 Pa • Watertightness 400 Pa • Wind Resistance 2000 Pa • Exposure Category 2000 Special	
Security	**Compliant with BS7950 & BS 644 as standard** and optionally to Secure by Design	

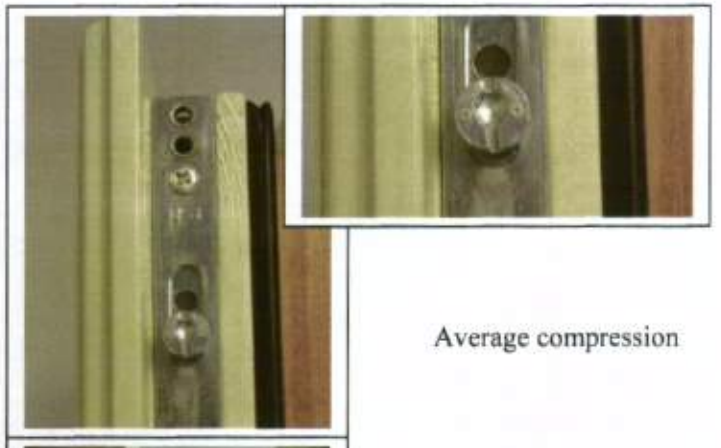
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INSTRUCTION TO ADJUST COMPRESSION OF SASH AGAINST FRAME

Both Bereco tilt & turn and casement windows come with a secure espagnolette locking mechanism operated by 1 handle. This guarantees secure locking points around the sash and also gives possibility to adjust compression of sash against the gasket.



Minimum Compression



Average compression



Maximum Compression



Adjust Compression by using 4mm Allan Key on all locking points

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