

DEFENDER EGRESS

FRICITION HINGE FOR EMERGENCY
EXIT WITH EASY CLEAN FACILITY



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Friction hinge for Emergency Exit with easy clean facility

Designed to allow easy window cleaning, Defender Egress has been specifically developed to meet "access in case of fire regulations" such as BS 5588 and building regulations approved document B. It satisfies the increased safety requirements including emergency exit, now demanded by local authorities and other public bodies for side hung windows.

- Allows casement windows to open a full 90° for emergency exit
- Built-in second slider – invisible when the window is closed – gives easy clean facility at the press of a lever allowing the window to slide across the hinge track so both sides of the glass can be cleaned from the inside
- Automatically resets** to normal operation mode when the window is closed
- Smooth operation with unique cam friction device provides reduced operating forces
- Removes risk of friction screw misuse
- Thermoplastic end cap features a 'roof' to minimise the build-up of debris
- An extended leg on the end cap ensures earlier collection and greater tolerance for window fabrication variances
- End point features a stepped, asymmetric face for positive location within the end cap effecting more secure closure
- Special 12" side hung, easy clean version also available, opening to 80°
- Suitable for side hung casement windows in PVCu, timber and aluminium
- For further information on Defender and Highline versions contact Securistyle's technical department
- All hinges available in high grade Austenitic stainless steel versions

APPLICATIONS

- Normally specified for one or more first floor windows
- Complies with BS 5588 Part 1 : 1990 for fire escape windows – which specifies a minimum clear opening of 500mm wide x 850mm high and a maximum height of 1.1 metres from the floor to the sill and building regulations approved document B stating an unobstructed opening of at least 0.33m² and at least 450mm high and 450mm width

MAKING THE RIGHT CHOICE

Designed and manufactured by Securistyle – Britain's number one window hardware manufacturer – the Defender and Vector provide the window industry's most comprehensive range of friction hinges.

When specified according to need, the Defender and Vector hinges satisfy an increasing demand for window security; for personal safety; for easy exit in emergency; for anti corrosion durability.

Providing proven weather-sealing to BS6375 Part 2 and security of closure, the family of easy-fit Securistyle hinges offer clear-cut features and benefits. They are special products for specific purposes.

Suitable for PVC-u, aluminium and timber windows, bespoke versions are also available to fit most profile designs. The full range of Securistyle friction hinges includes the following:

- Standard Defender range*
- Standard Defender Highline for deeper profiles*
- Standard Defender Slimline for narrower hardware channels
- Defender Egress with easy-clean facility for easy exit in emergency
- Defender with built-in restrictor for child and personal safety*
- Vector and Vector Plus the high security hinges*

(*Also available in highline)

All hinges are available in a choice of grades of stainless steel, with the Austenitic (304) versions recommended for maximum anti-corrosion durability.

Subjected to stringent in-house testing to meet strict performance criteria, all Securistyle hardware products are designed and manufactured under the BS EN ISO 9001 Part 1 Quality Assurance System as approved by the BSI.

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ACCURATE CLOSURE

All Securistyle hinges feature a unique asymmetric location design. This uses the full width of the vent arm to achieve early collection of the end point and a secure, weathertight seal for the window. A low friction end cap automatically directs the end point smoothly and firmly towards the closed position – draught free closure time after time.



CORROSION RESISTANT

Two grades of high quality Stainless Steel are available:

Ferritic hinges can be specified for low exposure areas.

Austenitic hinges give maximum anti-corrosion durability – essential for exposed coastal locations and many industrialised inland areas. Austenitic hinges survive a 500 hour neutral salt spray test to BS7479.

EASY TO INSTALL

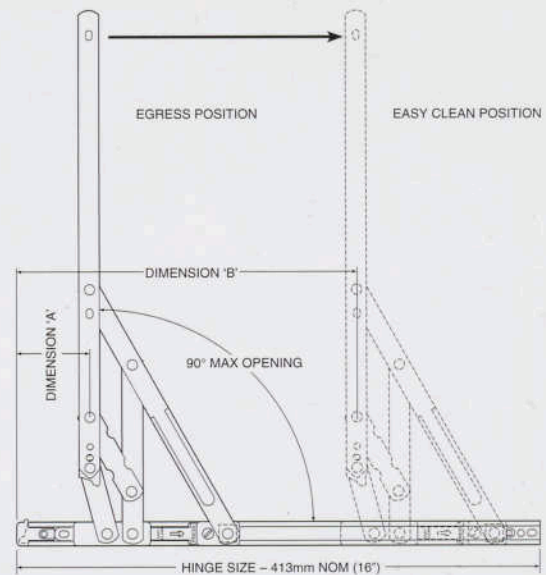
All Securistyle hinges are designed to give the maximum accommodation to window manufacturing tolerances. With fixing locations and variants to suit manufacturer specific profiles these hinges are simple and quick to fit correctly.

Securistyle offers a comprehensive fabricators' support package, including on line technical support, comprehensive technical manual in CD format, training and testing services.

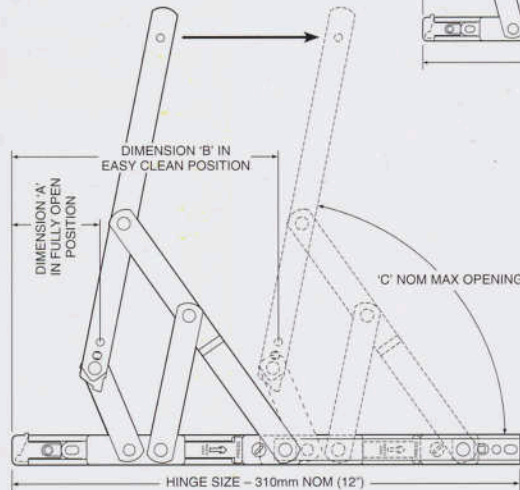
LONG LIFE

High performance components are used throughout Securistyle's hinge range. This investment results in a reliability of operation which is unequalled in the industry. Defender and Vector hinges have been proven to 30,000 full cycles.

Securistyle Limited,
Kingsmead Industrial Estate,
Princess Elizabeth Way, Cheltenham,
Glos GL51 7RE
Telephone 01242 221200
Facsimile 01242 228194/520828
www.securistyle.co.uk



16" EASY CLEAN DEFENDER HINGE



12" SIDE HUNG EASY CLEAN DEFENDER HINGE

PRODUCT TECHNICAL SPECIFICATION

SIZES AND CAPACITIES

HINGE SIZE (SIDE HUNG)	MAX. VENT WEIGHT (kg)	MAX VENT WIDTH (mm)	MIN. VENT WIDTH (mm)	DIMENSION 'A' (mm)	DIMENSION 'B' (mm)	MAX OPENING ANGLE 'C' (+/-2.5)
310mm (12")	22	600	300	54	163	80°
413mm (16")	24	700	400	57	268	90°

- As window manufacturing tolerances are more critical to correct operation of the Defender Egress Hinge, full fitting instructions are supplied. Further help and advice is available from Securistyle's Technical Department
- Specify the 16" Defender Egress hinges for suitably sized vents to meet the requirements of BS5588
- The 12" Side Hung Easy Clean Defender hinge is available with either counterbored or countersunk fixing holes
- Vent height/width is measured from rebate to rebate (not overall size or outer frame size). For maximum vent heights and widths not stated, consult profile manufacturers for recommendations on requirements of system strength and sealing
- Drilling jigs for all sizes of hinge are available to order
- Specific Egress pull-in wedges available to order

Note: as with all types of friction hinges, friction cannot be provided until the slider moves, therefore when limiting the opening of vents to angles of 10° or less, a separate device will be required to prevent the window from closing

If further details are required, please contact Securistyle's Technical Department

