

E1 Egress Emergency Exit Friction Hinge



Features

- High quality Stainless Steel for long lasting performance
- Designed for safety and emergency exits in accordance with current standards
- Designed to accommodate window sizes up to 20kgs, 650mm wide x 1300mm high and to meet the requirements of BS 9999:2017 and the building regulations document B Fire safety 2019 edition
- Egress friction hinges are ideal for first floor window applications when used in conjunction with non locking operating handles
- Adjustable Positioning to suit the individual weight of the window
- Hollow rivet in the pointed arm
- Capable of meeting the requirements of BS 6375-1 and 2
- Safety to BS 9999:2017 given the appropriate vent size
- PAS 24:2012 security performance can be obtained in conjunction with a hingeuard in a compliant window system



Must be used in conjunction with a 2 Star Handle or Guard

Dependent on application

Must be used in conjunction with a Hingeuard

E1 Egress Emergency Exit Friction Hinge

Ordering Details

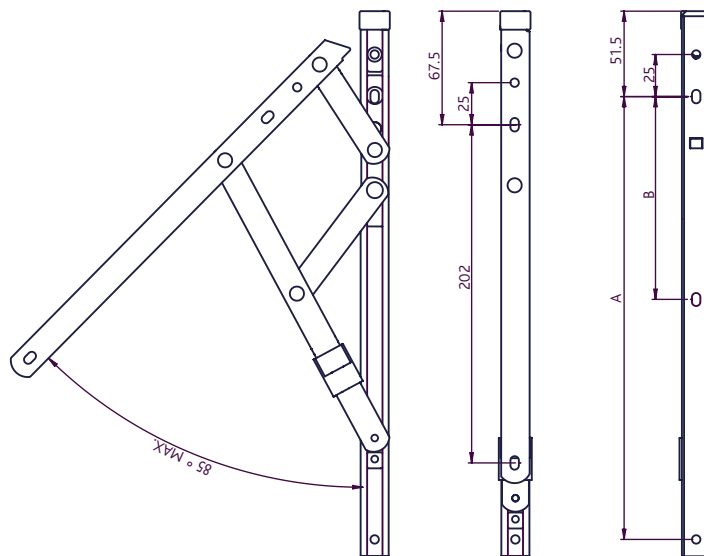
Side Hung	Part No.	
Size	14mm	16mm
12" 324mm	WFE1SA1290A	WFE1SG1290A
16" 427mm	WFE1SA1690A	WFE1SG1690A

Dimensions

Size	Nom Inch	Dim A	Dim B
324mm	12"	263	-
427mm	16"	366.5	206

Weights and Sash Sizes

Size (mm)	Nom Inch	Approx. Opening Angle	Max Width (mm)	Max Height (mm)	Max Sash Weight (kg)
324mm	12"	85°	600	1200	18kg
427mm	16"	85°	650	1300	20kg



Technical Information

Corrosion resistance

Meets the requirements of BS EN 1670:1998 Grade 4 (240 hours)

Performance

Capable of meeting the requirements of BS EN 6375-1:2004

Tested to 20,000 cycles

Designed to meet the requirements of BS 8213-1:2004 - code of practice

Operation

Capable of meeting the requirements of BS 6375-2:1987

Egress

Capable of meeting the requirements of BS 9999:2017 and Building Regulation Approved Document B*

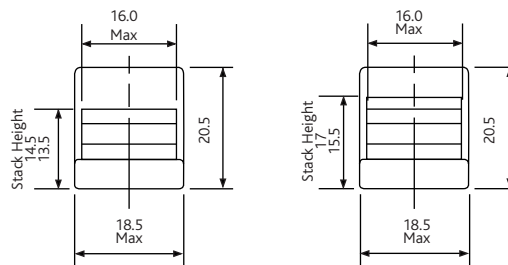
Material Specification

Bars, Arms and Rivets: Stainless Steel BS EN 10088-2:2005 Ferritic - 1.4016 (430 S17)

End Cap: Black Glass filled Nylon

Mouldings: Glass filled Nylon

Friction Screw: Brass BS EN 12164:1998 CW614N



Min /max working clearances

All dimensions are in mm.

ERA reserves the right to change specification without notice. It is the responsibility of the window manufacturer to ensure that the finished product meets any required safety and performance specification

Packaging

Size	Box Quantity	Box Weight
12" 324mm	30 pairs	13kg
16" 427mm	25 pairs	15kg

***Document B - An unobstructed opening of not less than 0.33m² and at least 450mm wide or 450mm high and no more than 1.1m from the ground (the route through the window may be at an angle rather than straight through). Opening area and minimum width requirements vary by profile system (not just hinge geometry), data sheet dimensions are indicative only. E1 Egress hinges are only suitable for side hung applications.

Maintenance

The pivot point should be lightly lubricated twice a year and the surface cleaned with a soft damp cloth to remove any dust or grime. The product should be periodically adjusted and the fixings tightened to ensure a satisfactory operation.