

Egress Friction Hinge



Egress

Features

- High quality Stainless Steel for long lasting performance
- Durable and reliable design
- Available in Stainless Steel 430 or Austenitic Stainless Steel 304
- Designed for safety and emergency exits in accordance with current standards
- Designed to accommodate window sizes up to 28kgs, 800mm wide x 1000mm 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
- Capable of meeting the requirements of BS 6375-1 and 2
- Safety to BS 9999:2017 given the appropriate vent size
- PAS 24:2016 security performance can be obtained in conjunction with a hingeuard in a compliant window system



Hingeuard Elite
(sold separately)



Mechanical Guarantee



Must be used in conjunction with a Hingeuard



PVCu



Timber



Aluminium



Must be used in conjunction with a Hingeuard



BS 9999: 2017



BS EN 6375 1 & 2

Egress Friction Hinge

Ordering Details

Side Hung	Part No.	
Size	13mm	16.5mm
12" 324mm	WFSEE12SH13SF	WFSEE12SH17SF
16" 427mm	WFSEE16SH13SF	WFSEE16SH17SF

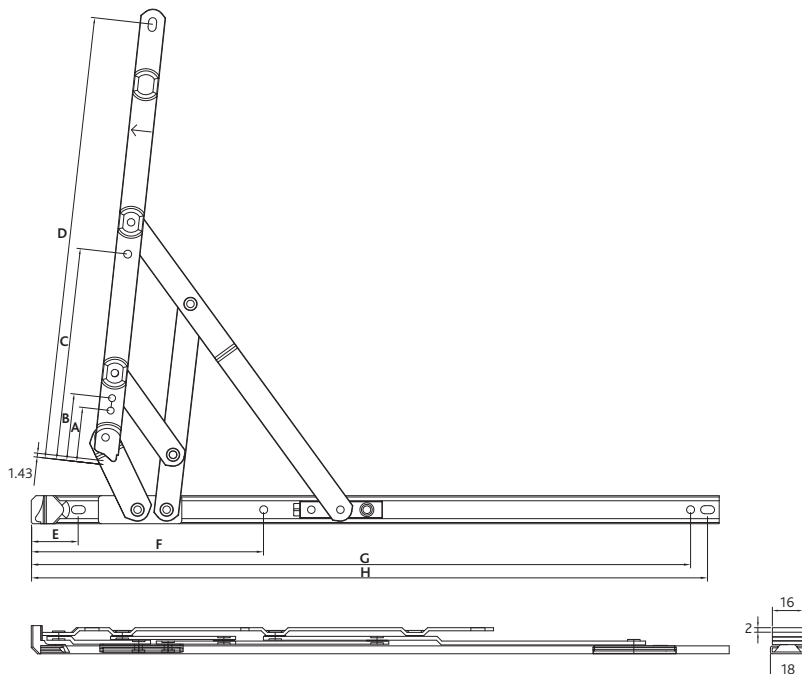
Egress Friction Stays are also available in Austenitic (SS 304), for part codes, please replace the 'SF' with 'SAU' e.g. WFSEE12SH13SAU.

Dimensions

Size	Nom Inch	Dim A	Dim B	Dim C	Dim D	Dim E	Dim F	Dim G	Dim H
324mm	12"	38.7	68	-	207.6	30	149	303	314.2
427mm	16"	38.8	-	136.3	284.8	30	149	423.6	434.5

Weights and Sash Sizes

Size (mm)	Nom Inch	Approx. Opening Angle	Max Width (mm)	Max Height (mm)	Max Sash Weight (kg)
324mm	12"	84°	600	1000	22kg
427mm	16"	84°	800	1000	28kg



Technical Information

Corrosion resistance

SS 430 - Meets the requirements of BS EN 1670 Grade 4 (240 hours)
 SS 304 - Meets the requirements of BS EN 1670 Grade 5 (480 hours)

Performance

Capable of meeting the requirements of BS EN 6375-1:2009
 Tested to 20,000 cycles

Operation

Capable of meeting the requirements of BS 6375-2:2007

Egress

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

Material Specification

Bars, Arms and Rivets:	Stainless Steel 430 or Stainless Steel 304 (Standard: JIS G4305: 2012)
Rivet:	Stainless Steel 304
End Cap:	Anthracite grey RAL 7016 Nylon
Slider:	Anthracite grey RAL 7016 POM
Locking Screw:	Brass 62#
Slider Catch:	Zinc 3#

***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. Egress hinges are only suitable for side hung applications.

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	25	12kg
16" 427mm	20	12kg

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.