

Restrictor Friction Stay



Restrictor

Features

- High quality Stainless Steel for long life performance in accordance with BS EN 10088-2:2014
- Durable and reliable design
- Available in Stainless Steel 430 or Austenitic Stainless Steel 304
- Integrated mechanism to restrict the opening of the window to 100mm* in compliance with BS 8213-1:2004
- Rigorously tested in accordance with BS EN 13126-6:2008 and BS 6375-1:2009 to ensure maximum carrying weights in maximum size windows meet the criteria for lasting safe performance of the stay
- Pointed arm and nylon end cap provide gasket compression and smooth engagement
- Capable of meeting the requirements of BS 6375-1:2009
- All rivets are solid
- Anthracite grey end cap and nylon components enhances the look of the stay in a window
- 2 stack heights – 13mm and 16.5mm
- Available in Top Hung (12" - 24") and Side Hung (12" - 16")
- PAS 24:2016** security performance can be obtained in conjunction with a hingeuard in a compliant window system
- The hingeuard is designed to only engage when the window is under attack and prevents disengagement by supporting the friction hinge

* Restricted opening to 100mm depends up on window size

** Dependant upon window system and fitting conditions

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

Meets the requirements of BS 6375-1:2009

Tested to 25,000 cycles of opening in accordance with BS EN 13126-1:2006

Operation

Meets the requirements of BS 6375-2:2009 and BS EN14351-1:2006+A2.***

Tested to BS EN 13126-6, Variable geometry stay hinges. The restrictor function has been tested to the requirements of BS EN 13126-5:2011 + A1 2014 for Limiting Restrictors, at the stated sash dimensions and weight carrying.

Safety

***Compliance with BS EN14351-1:2006+A2 Clause 4.8 Load Bearing Capacity of Safety Devices in accordance with BS EN14069-2004 and compliance to BS 8213-1:2004 Restricted opening to 100mm is dependent on specific application checks relative to window profile and sash size, subject to the Operation provision above. This product has not been tested as Safety Limiting Restrictor to EN13126-5.

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#

Maintenance

All moving parts should be lightly lubricated using a light non-acidic mineral oil (e.g. "3 in 1") twice per year and the surface cleaned with a soft damp cloth. The product may need to be adjusted and fixings tightened to ensure a satisfactory operation.



Must be used in conjunction with a HingeGuard

Dependent on application

Must be used in conjunction with a HingeGuard

Restrictor Friction Stay

Ordering Details

Top Hung (double restrictors)		Part No.	
Size		13mm Stack Height	16.5mm Stack Height
316mm	12"	WFSER12TH13SF	WFSER12TH17SF
408mm	16"	WFSER16TH13SF	WFSER16TH17SF
513mm	20"	WFSER20TH13SF	WFSER20TH17SF
618mm	24"	WFSER24TH13SF	WFSER24TH17SF

Side Hung (single restrictor)		Part No.	
Size		13mm Stack Height Left Hand	13mm Stack Height Right Hand
316mm	12"	WFSER12SH13LSF	WFSER12SH13RSF
415mm	16"	WFSER16SH13LSF	WFSER16SH13RSF

Size		16.5mm Stack Height Left Hand	16.5mm Stack Height Right Hand
316mm	12"	WFSER12SH17LSF	WFSER12SH17RSF
415mm	16"	WFSER16SH17LSF	WFSER16SH17RSF

Restrictor Friction Stays are also available in Austenitic (SS 304), for part codes, please replace the 'SF' with 'SAU' e.g. WFSER12SH13LSAU.

Dimensions

Top Hung/ Side Hung (Restricted)

Size (mm)	Nom Inch	Dim A	Dim B	Dim C	Dim D	Dim E
316mm	12" TH/ SH	115.4	243	272.7	-	308.4
408mm	16" TH	107	233	322	-	400.1
415mm	16" SH	139.5	264	353.9	-	405.7
513mm	20" TH	206.4	314.4	432.2	-	505.6
618mm	24" TH	263.4	369.1	431.2	470.6	610

Side Hung (Non Restricted)

Size (mm)	Nom Inch	Dim A	Dim B	Dim C	Dim D	Dim E
316mm	12" SH	115.6	243.3	215.9	-	309
415mm	16" SH	139.5	264	310.5	-	407

Weights and Sash Sizes

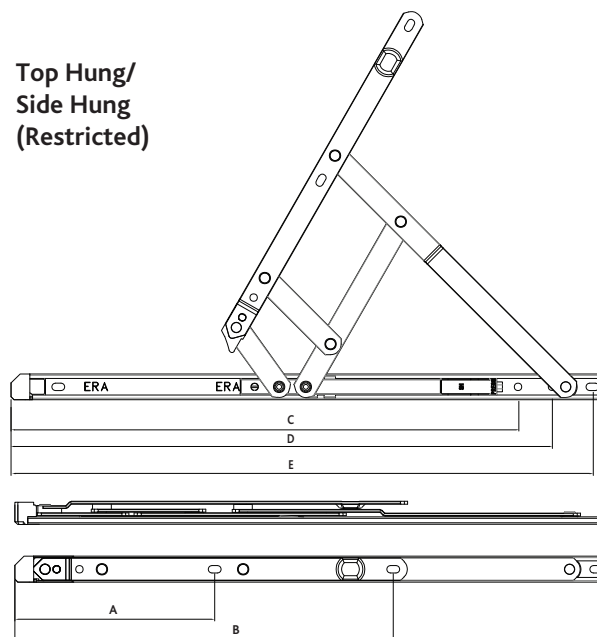
Size (mm)	Nom Inch	Approx. Opening Angle	Max Width (mm)	Max Height (mm)	Max Sash Weight (kg)
Top Hung					
316mm	12"	57°	1100mm	600mm	22kg
408mm	16"	61°	1200mm	750mm	22kg
513mm	20"	42°	1200mm	1000mm	24kg
618mm	24"	39°	1200mm	1200mm	26kg

Side Hung					
316mm	12"	57°	650mm	-	22kg
415mm	16"	60°	750mm	-	24kg

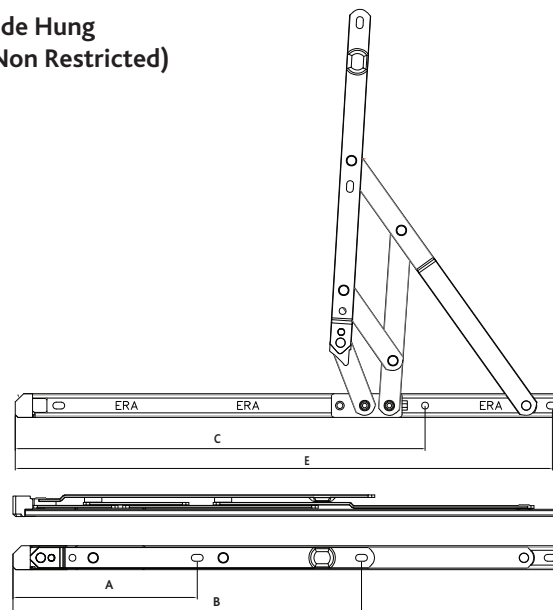
IMPORTANT

- For top hung windows 2 restrictors must be used
- Restrictor hinges are to only be used as a restrictive opening and not for safety compliance
- When using Side Hung hinges, please adjust the friction to regulate the rate of opening to ensure both stays are balanced

Top Hung/ Side Hung (Restricted)



Side Hung (Non Restricted)



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 (13mm)	Box Weight (16.5mm)
Top Hung			
12"	316mm	30	13.2kg
16"	408mm	25	13.3kg
20"	513mm	20	12.6kg
24"	618mm	16	8.3kg
Side Hung			
12"	316mm	30	13.2kg
16"	415mm	25	13.3kg