Defender Restricted

A friction hinge designed specifically for occupant safety.

Features

- Improved weather sealing and draught proofing performance from extended enclosed end cap and asymmetrical vent arm form when tested to BS 6375-1
- Unique robust cam friction device eliminates any risk of friction screw misuse
- Available in ferritic 430 as standard or austenitic 304 stainless steel for enhanced corrosion resistance
- Built-in quick release lever allows the window to be fully opened for easy cleaning and total ventilation
- Asymmetric location system for reliable and accurate closure
- Restrictor automatically relocates and resets when the window is closed
- Slot-hole-slot vent fixing configuration for ease of adjustment and guaranteed fixing into reinforcement on PVC-u window frames
- Available as highline variants for profiles with cavities between 16mm and 18mm

Specification

- Compliant with BS EN 13126-6 Hardware for windows and door height windows. Requirements and test methods
- Tested to BS EN 1670 Ferritic Grade 3 corrosion resistance 96 hours, Austenitic Grade 4 corrosion resistance 240 hours
- Compliant with BS EN 13126-5 Hardware for windows and door height windows and requirements and test methods
- Endurance tested to 30,000 cycles
- 10 or 12 year mechanical guarantee*

Defender Restricted Top Hung

Defender Restricted Top Hung	Hinge Size (mm)	Stack Height (mm)	Max Vent Weight (kg)	Min Vent Height (mm)	Max Vent Height (mm)	Opening Angle (+/-2.5°)
EDTR12-EXP	310	13	20	350	550	65°
EDTR16-EXP	412	13	21	500	780	59°
EDTR20-EXP	513	13	26	700	1100	50°
EDTR24-EXP	615	13	40	850	1300	37.5°
EDTR24H6-EXP	615	16	40	850	1300	37.5°
EDTR24H7-EXP	615	17	40	850	1300	37.5°

Defender Restricted Side Hung

Defender Restricted Side Hung	Hinge Size (mm)	Stack Height (mm)	Max Vent Weight (kg)	Min Vent Height (mm)	Max Vent Height (mm)	Opening Angle (+/- 2.5°)
EDSR12-EXP	310	13	22	300	600	58°
EDSR16-EXP	412	13	24	400	700	58°

• Add H6 for 16" (For example EDTR24H6-EXP)

• For austenitic variants add 'A' to end of part code

• For timber variants add '-TV' to end of part code (13mm stack height only)

Side hung restricted hinges are sold with an opposite hand standard non-restricted hinge; as only one side hung restricted hinge is required and must be fitted as a bottom hinge - PL = Left Hand hinge is restricted, -PR = Right Hand hinge is restricted Tap hung restricted hinges are sold and must be fitted is a size.

Top hung restricted hinges are sold and must be fitted in pairs

*10 Year Mechanical Guarantee for Standard Ferritic and 12 Year Mechanical Guarantee for Austenitic Stainless Steel **Note:** As with all types of friction hinges, friction cannot be provided until the slider moves, therefore when opening top hung. Vents to angles of 10° or less a separate device may be required to prevent the window from closing.

Restricted gap is controlled by:

System profile depth

• Vent size

[•] Add H7 for 17" (For example EDTR24H7-EXP)