

# Defender Plus

The Defender Plus offers an increased carrying capacity to suit larger vent openings.

## Features

- Ability to carry a load of up to 50kg top-hung and 40kg side-hung
- Asymmetric location system for reliable and accurate closure
- Slot-hole-slot vent fixing configuration for ease of adjustment and guaranteed fixing into reinforcement on PVC window frames
- Improved weather sealing and draught proofing performance from asymmetrical vent arm form
- Enclosed end cap to prevent ingress of debris and provide increased cavity tolerance
- Adjustable friction cam in slider
- Available in a highline variant for deeper profiles with cavities between 16mm and 18mm
- Top hung variant available in ferritic and austenitic stainless steel
- Side hung variant available in stainless steel

## 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
- Endurance tested to 30,000 cycles
- 10 or 12 year mechanical guarantee\*



## Defender Plus Top Hung

Defender Plus Top Hung	Hinge Size (mm)	Stack Height (mm)	Max Vent Weight (kg)	Min Vent Height (mm)	Max Vent Height (mm)	Opening Angle (+/- 2.5°)
EDTH24-EXP	615	13	50	850	1500	32°

## Defender Plus Side Hung

Defender Plus Side Hung	Hinge Size (mm)	Stack Height (mm)	Max Vent Weight (kg)	Min Vent Height (mm)	Max Vent Height (mm)	Opening Angle (+/- 2.5°)
EDSH16A-EXP	412	13.5	40	400	1000	60°
EDSH16H6A-EXP	412	16.5	40	400	1000	60°
EDSH16H7A-EXP	412	17.5	40	400	1000	60°

- Also available in 16" & 17" stack height
- Add H6 for 16" (For example EDTH24H6A-EXP)
- Add H7 for 17" (For example EDTH24H7A-EXP)
- For austenitic variants add 'A' to end of part code

\*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.