

Securistyle Defender

Friction hinge

Suitable for:

PVCu



ALUMINIUM

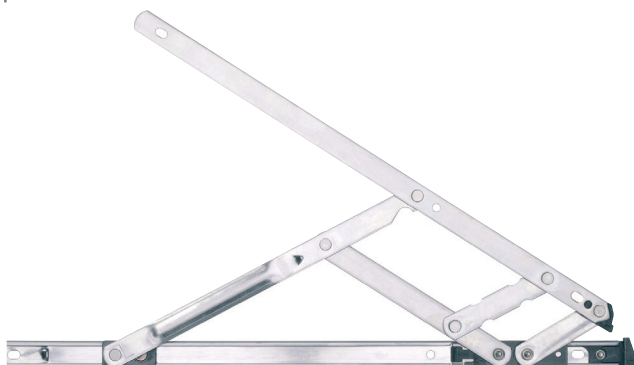


TIMBER



The Securistyle Defender friction hinge is suitable for domestic applications on side or top hung windows.

All versions of the Defender friction hinge are available in both ferritic and austenitic stainless steel in a variety of sizes and stack heights. Restricted, non restricted, easy clean and easy clean egress versions are available.



Features and Benefits

- Defender hinges suitable for domestic applications
- Adjustable and controlled friction for smooth operation
- Efficient locating system by means of a patented asymmetrical end cap
- Extended enclosed end cap for enhanced weather sealing
- 13mm stack height as standard
- Austenitic stainless steel versions available for high corrosion resistance
- Can be supplied with built-in restrictor
- Easy clean and fire egress versions available
- Vector Excluder Security device available to improve security
- Defender Plus version offers increased carrying capacity



Defender egress position

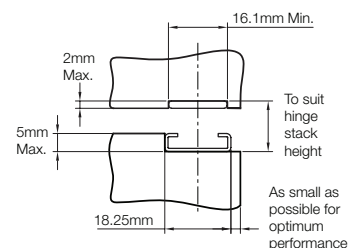


Defender easy clean position

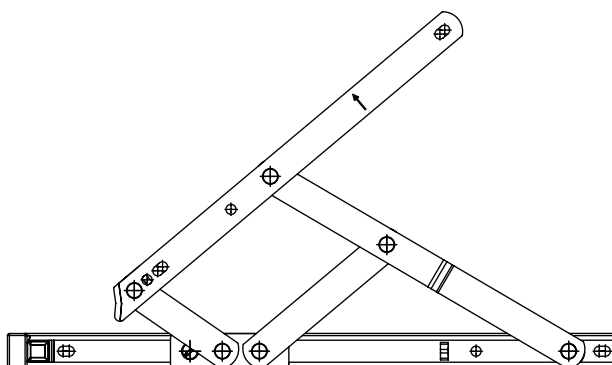


Defender restricted

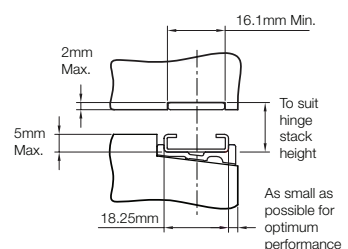
Defender section details



Standard projecting



Defender with bottom hinge packer section details



Defender Side Hung	Hinge Size (mm)	Max Sash Weight (kg)	Max Sash Width (mm)	Min Sash Width (mm)	Hinge Projection (mm)	Opening Angle (+/- 2.5°)
ED8	209	18	400	200	119	65°
EDS12	310	22	600	300	172	60°
EDS16	412	24	700	400	170	60°
EDSH16A (Defender Plus)*	412	40	1000	400	-	60°

*Item only available in Austenitic 13½, 16½ and 17½ stack heights.

Defender Top Hung	Hinge Size (mm)	Max Sash Weight (kg)	Max Sash Height (mm)	Min Sash Height (mm)	Hinge Projection (mm)	Opening Angle (+/- 2.5°)
EDT6	159	10	300	150	63	50°
ED8	209	12	350	200	119	65°
EDT10	259	16	400	275	131	80°
EDT12	310	20	550	350	164	80°
EDT16	412	21	780	500	239	80°
EDT20	513	26	1100	700	215	50°
EDT24	615	40	1300	850	156	37.5°
EDTH24A (Defender Plus)	615	50	1500	850	156	32°

Defender Egress Easy Clean	Hinge Size (mm)	Max Sash Weight (kg)	Max Sash Width (mm)	Min Sash Width (mm)	Initial Hinge Projection (mm)	Easy Clean Projection (mm)	Opening Angle (+/- 2.5°)
EDSE12	310	22	600	300	54	163	80°
EDSE16	413	24	700	400	57	268	90°

Defender Side Hung Restricted	Hinge Size (mm)	Max Sash Weight (kg)	Max Sash Width (mm)	Min Sash Width (mm)	Restricted Opening Angle	Opening Angle (+/- 2.5°)
EDS12R Unrestricted	310	22	600	300	13°	58°
EDSR12L Restricted						
EDS12L Unrestricted	310	22	600	300	13°	58°
EDSR12R Restricted						
EDS16R Unrestricted	412	24	700	400	11°	58°
EDSR16L Restricted						
EDS16L Unrestricted	412	24	700	400	11°	58°
EDSR16R Restricted						

Restricted Side Hung Hinges required on bottom of window only.

Defender Top Hung Restricted	Hinge Size (mm)	Max Sash Weight (kg)	Max Sash Height (mm)	Min Sash Height (mm)	Restricted Opening Angle	Opening Angle (+/- 2.5°)
EDTR12	310	20	550	350	14°	65°
EDTR16	413	21	780	500	10°	59°
EDTR20	513	26	1100	700	7°	50°
EDTR24	615	40	1300	850	6°	37.5°

Restricted Top Hung hinges provided in pairs. Other stack heights available on request.

Description	Product Code
Bottom Hinge Packer 6-7 degrees	TY212
Bottom Hinge Packer 6-7 degrees	TY216
Vector Excluder Security Device (13mm stack height)	Zinc Passivated Finish (4 per set) ASD1

Manufactured from

Defender Ferritic – 1.4016 grade stainless steel,
components – nylon and acetal
Defender Austenitic – 1.4301 high grade stainless steel,
components – nylon and acetal

Recommended screws

Stainless steel No.8 or equivalent

Performance

Tested in accordance with BS6375 pt2
BSEN1670 (Ferritic grade 4, Austenitic grade 5)

More information

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