

TECHNICAL DATA SHEET

INNOVATION. EXPERTISE. INTEGRITY.

FASTEC® DS HT FASTENERS FOR COMPOSITE PANELS

Fastec DS3 HT Fasteners are specially designed for fastening composite panel systems, with the high thread providing a clamping force to the top sheet to maintain the weatherseal.

FASTEC DS3 HT FASTENERS



For fastening composite panels to steel thickness 1.2 - 3.5mm
Drive style 8mm AF Hex . Requires MSE-8.0

FASTEC DS12 HT FASTENERS



For fastening composite panels to steel thickness 4 - 12mm
Drive style 8mm AF Hex . Requires MSE-8.0

TENSILE & SHEAR STRENGTHS (KN)

Fastener	Diameter (MM)	Tensile Strength (kN)	Shear Strength (kN)
DS3 HT	5.5	16.2	7.3
DS12 HT	5.5	16.2	7.3

PULL-OUT VALUES (KN)

Fastener	Dia. (MM)	Steel Thickness (MM)							
		1.25	1.6	2.0	3.0	5.0	6.0	10.0	Timber
DS3 HT	5.5	1.85	2.42	3.01	6.02	-	-	-	-
DS12 HT	5.5	-	-	-	-	10.06	11.21	-	-

PULL-OVER VALUES (KN)

Fastener	Dia. (MM)	Washer	Steel Thickness (MM)			
			0.63	0.75	1.00	1.25
DS3 HT	5.5	G16	4.85	5.95	8.62	9.79
DS12 HT	5.5	G16	4.85	5.95	8.62	9.79

FASTENER SIZES

Fastener
DS3 HT 5.5 x 82
DS3 HT 5.5 x 100
DS3 HT 5.5 x 115
DS3 HT 5.5 x 135
DS3 HT 5.5 x 150
DS3 HT 5.5 x 170
DS3 HT 5.5 x 190
DS3 HT 5.5 x 250

FASTENER SIZES

Fastener
DS12 HT 5.5 x 85
DS12 HT 5.5 x 100
DS12 HT 5.5 x 135
DS12 HT 5.5 x 150
DS12 HT 5.5 x 170
DS12 HT 5.5 x 190
DS12 HT 5.5 x 205
DS12 HT 5.5 x 255
DS12 HT 5.5 x 305

1 Kn = 1000 Newton force 10N = 1 Kgf

All values shown are typical test results and do not include safety factors and should be taken as a guide for design purposes only. Specific application details may be critical to the design. Please call the Rooflock sales office for technical information for your application, or we can arrange for a site-specific pull-out test.