

DrillTech

CSDS - Composite Fire Panel Screw

Technical Data Sheet

Typical Applications

- Fastening composite fire panels to light section steel.

Product Information

Size (mm)	Drill Point	Drilling Capacity (mm)	Head Style	Drive	Finish
5.5 x 40	5pt	5.0 - 12.0	Hex	8MM A/F	BZP

Ultimate Pullout Resistance, kN

Diameter (mm)	Drill Point	Nominal Steel Thickness			
		0.7mm	1.2mm	2.0mm	3.0mm
5.5	5pt	1.2	1.5	3.2	4.8

Ultimate Shear Resistance, kN

Diameter (mm)	Drill Point	Nominal Steel Thickness	
		0.7mm	3.4mm
5.5	5pt	3.5	7.6

Ultimate Pullover Resistance, kN

Diameter (mm)	Drill Point	Nominal Steel Thickness		
5.5	5pt	3.2	5.4	8.0

Ultimate Mechanical Strength, kN

Diameter (mm)	Drill Diam	Ultimate Tensile Strength (kN)	Ultimate Shear Strength (kN)
5.5	5pt	15.6	18.8

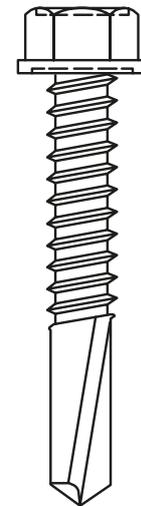
Pullout tests conducted by VJT Test Laboratory using in-house test method VJTTL SOP83 based on the latest CFA guidance note (method available on request).

Pullover tests conducted following the principles of BS 5427:2016+A1:2017 (Code of practise for the use of profiled sheet for roof and wall cladding on buildings: Annex E & EN 14566).

Tests conducted with 16mm washer fitted under screw head.

Performance data is un-factored.

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Features and Benefits

- Drills 5-12mm thick steel+fire panel
- C1022 case-hardened carbon steel
- Long drill point prevents separation of the composite panel
- Coarse thread

Installation Tips

- For optimal install use a screwgun with depth setting nosepiece and RPM range of 1500-2200
- Avoid overdriving/overtightening
- Fastener is fully seated when head is in contact with material surface
- A minimum of 3 threads must protrude through the rear of the metal structure