

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 Strength, kN

Diameter (mm)	Drill Point	Nominal Steel Thickness			
		0.7mm	1.2mm	2.0mm	3.0mm
5.5	5pt	0.9	1.5	3.0	5.2

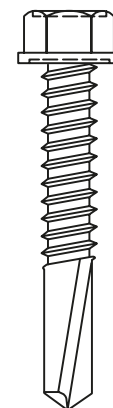
Ultimate Shear Strength, kN

Diameter (mm)	Drill Point	Nominal Steel Thickness	
		0.7mm	3.0mm
5.5	5pt	2.5	5.5

Ultimate Pullover Strength, kN

Diameter (mm)	Drill Point	Nominal Steel Thickness		
		0.5mm	0.7mm	1.2mm
5.5	5pt	3.8	4.9	8.2

- Pullout tests conducted by VJT Test Laboratory (UKAS Testing 7903) using in-house test method VJTTL SOP14 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). Tests conducted with 16mm washer fitted under screw head.
- Performance data is unfactored.



Features & 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

All product specifications and data are subject to change without notice.

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