

# 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

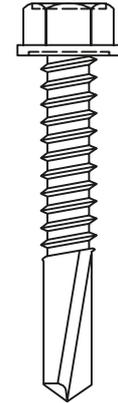
#### Ultimate Shear Strength, kN

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

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