

DrillTech

CSLS - carbon steel light section self-drilling screw



Technical Data Sheet

Typical Applications

- Fixing metal sheeting and cladding to light steel purlins and sections.
- Fastening to steel framing systems.
- Metal overlap joints which are not exposed to weather.

Product Information

Size (mm)	Drill Point	Drilling Capacity (mm)	Head Style	Drive	Finish
5.5 x L	3pt	1.2 - 5.0	Hex	8mm A/F	BZP

Ultimate Pullout Strength, kN

Diameter (mm)	Drill Point	Nominal Steel Thickness				C16 Timber
		1.2mm	2.0mm	3.0mm	5.0mm	
5.5	3pt	1.4	3.0	5.2	14.5	2.9

Ultimate Shear Strength, kN

Diameter (mm)	Drill Point	Nominal Steel Thickness	
		1.2mm	5.0mm
5.5	3pt	4.2	10.3

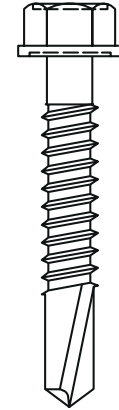
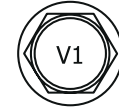
Ultimate Pullover Strength, kN

Diameter (mm)	Drill Point	Nominal Steel Thickness		
		0.5mm	0.7mm	1.2mm
5.5	3pt	3.8	4.9	8.2

Ultimate Mechanical Strength, kN

Diameter (mm)	Drill Point	Ultimate Tensile Strength (kN)	Ultimate Shear Strength (kN)
5.5	3pt	14.2	19.2

- 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.
- Ultimate tensile tests conducted generally in accordance with ISO 16892-1
- Ultimate shear tests conducted generally in accordance with Mil Std 1312-13
- Performance data is unfactored.



Features & Benefits

- Drills 1.2-5mm thick steel
- C1022 case-hardened carbon steel
- Coarse thread
- Available with a 16mm bonded EPDM washer

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, bonded washers should not compress >66% of original thickness
- A minimum of 3 threads must protrude through the rear of the metal structure

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