

Technical Data Sheet

Typical Applications

- Fixing composite panels to light-medium steel purlins and sections.
- Fastening liner panels to steel and timber substructure.
- Centre fixing insulation back to steel frame

Product Information

Size (mm)	Drill Point	Drilling Capacity (mm)	Head Style	Drive	Finish
5.5/6.3 x L	3pt	1.2 - 5.0	Hex	8mm A/F	Passivated/BZP Cr3+

Ultimate Pullout Resistance, kN

Diameter (mm)	Drill Point	Nominal Steel Thickness					C16 Timber
		1.2mm	2.0mm	3.0mm	4.0mm	5.0mm	
5.5/6.3	3pt	1.1	3.1	4.9	10.2	11.3	3.0

Ultimate Shear Resistance, kN

Diameter (mm)	Drill Point	Nominal Steel Thickness			
		0.7mm	1.2mm	3.0mm	5.0mm
5.5/6.3	3pt	7.9	4.5	9.8	9.5

Ultimate Pullover Resistance, kN

Diameter (mm)	Drill Point	Nominal Steel Thickness	
		0.5mm	1.2mm
5.5/6.3	3pt	5.2	9.2

Ultimate Mechanical Strength, kN

Diameter (mm)	Drill Point	Ultimate Tensile Strength (kN)	Ultimate Mechanical Shear Strength (kN)
5.5	3pt	11.8	18.1

Pullout tests conducted by VJT Test Laboratory (UKAS Testing 7903) using in-house test method VJTTLSP83 based on the latest CFA guidance note (method available on request).

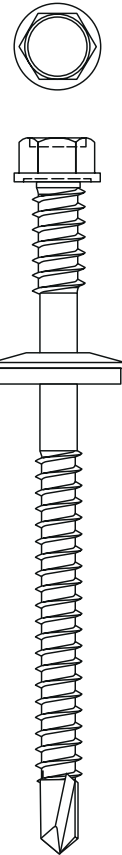
Pullover tests conducted following the principles of BS 5427:2016+A1:2017 (Code of practise for the use of profiled sheet for roof and wall cladding on buildings: Annex E) & EN14566. Tests conducted with 16mm washer fitted under screw head.

Ultimate mechanical tensile tests conducted generally in accordance with ISO 6892-1

Ultimate mechanical shear tests conducted generally in accordance with Mil std 1312-13

Performance data is unfactored.

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Features and Benefits

- Drills 1.2-5mm thick steel
- Grade A2 (304) stainless steel with case-hardened carbon steel drill point
- 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