

DrillTech

SSLSC - stainless steel composite panel self-drilling screw (bi-metal)



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 Strength, 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	1.8	3.1	5.3	8.9	12.0	30mm emb. 3.0

Ultimate Shear Strength, kN

Diameter (mm)	Drill Point	Nominal Steel Thickness		
		1.2mm	3.0mm	5.0mm
5.5/6.3	3pt	3.8	9.5	9.6

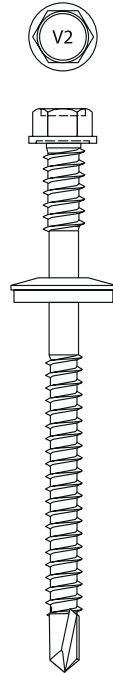
Ultimate Pullover Strength, kN

Diameter (mm)	Drill Point	Nominal Steel Thickness	
		0.5mm	1.2mm
5.5/6.3	3pt	2.9	8.8

Ultimate Mechanical Strength, kN

Diameter (mm)	Drill Point	Ultimate Tensile Strength (kN)	Ultimate 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 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
- 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

All product specifications and data are subject to change without notice. The data contained in this datasheet is believed to be accurate and is reproduced in good faith, it is the customer's responsibility to ensure that the product described in this datasheet is suitable for their application.

VJ Technology disclaim any and all liability for any errors, inaccuracies or incompleteness contained in the datasheet. In addition VJ Technology makes no warranty, representation or guarantee regarding the suitability of the product described by the datasheet for any particular or associated purchase.