

# DrillTech

## CSHSW - Heavy Section Wing-tip Self-drilling Screw



### Technical Data Sheet

#### Typical Applications

- Fixing timber battens to heavy steel sections.
- General timber to steel applications.
- Fixing cement particle boards to steel.

#### Product Information

Size (mm)	Drill Point	Drilling Capacity (mm)	Head Style	Drive	Finish
5.5 x L	5pt	5.0 - 12.0	Csk	PH3	BZP

#### Ultimate Pullout Resistance, kN

Diameter (mm)	Drill Point	Nominal Steel Thickness			
		5.0mm	8.0mm	10.0mm	12.0mm
5.5	5pt	15.3	16.1	16.5	16.9

#### Ultimate Shear Resistance, kN

Diameter (mm)	Drill Point	Nominal Steel Thickness	
		5.0mm	12.0mm
5.5	5pt	11.1	9.2

#### Ultimate Mechanical Resistance, kN

Diameter (mm)	Drill Point	Ultimate Tensile Strength (kN)	Ultimate Mechanical Shear Strength (kN)
5.5	5pt	18.5	20.0

Pullout tests conducted by VJT Test Laboratory (UKAS Testing 7903) using in-house test method VJTTL SOP83 based on the latest CFA guidance note (method available on request).

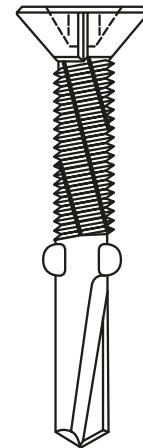
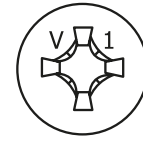
Pullover tests conducted following the principles of BS 5427:2016+A1:2017 (Code of practise for the use of profiled sheet for roof and wall cladding on buildings: Annex E) & EN14566. Tests conducted with 16mm washer fitted under screw head.

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 5-12mm thick steel
- Winged tip creates clearance hole in timber - designed to avoid jacking
- Wings break off on contact with steel
- C1022 case-hardened carbon steel
- Fine thread provides more effective fastening in thicker steel

#### 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