Product Code

DTHT

'High Thread' Composite Panel Fastener

Application

Used for fixing insulated composite roof panels or built up systems to light section cold rolled steel.

Construction

One-piece cold forged, hardened, zinc plated & passivated, dual threaded with thread-free central zone.

Material

Modified carbon steel. Grade C1022.

Drive Type

Standard 5/16" hex head. Colortite; 11mm bi-hex nylon moulded head, see brochure for colour range.

Compliance

- DIN 7504
- BS ISO 9002
- BS 5427 Part 1 1996*
- BS 5427 Part 1
- BS 3382 Part 1 & 2
- ASTMS G527 & D2000

Diameter

- 5.5mm lower thread
- 6.3mm upper thread

Shear Strength

- 8.96kN Ultimate

Tensile Strength

- 12.9kN Ultimate

ECCS Bend Test

- To clause 5.2.18.1.

Compression Resistance

- Typically 1.4kN, but will depend on the panel type and profile.

Corrosion Resistance

- Salt spray to DIN 50021.
- Kesternich Sulphur Dioxide to DIN 50018.

Life Expectancy

- Exceeds 12 years in correct application.

Product Range

Code	DTHT65	DTHT80	DTHT100	DTHT125	DTHT150	DTHT175	DTHT200	DTHT225
Panel Thickness	30–45mm	40–60mm	45–80mm	70–105mm	95–130mm	120–155mm	145–180mm	170–205mm

Pullout Resistance

Mild Steel Purlin Thickness	1.2mm	1.6mm	2.0mm	3.0mm
Values	2.10kN	2.70kN	4.30kN	6.78kN

Fixing Point makes every effort to ensure the accuracy of the data given, however no liability can be accepted for errors, omissions, or inaccuracies. We have a policy of continuous product development and improvement and reserve the right to change specifications without notice.

All test data has been obtained in the laboratory. Pullout figures are based on realistic purlin layouts, however, for safety we recommend that pullout performance should be confirmed on site.

*British Standard 5427 Part 1 1996 (Code of practice for Roofing and Cladding) States: 'As a code of practice, this part of BS 5427 takes the form of guidance and recommendations. It should not be quoted as if it were a specification and particular care should be taken to ensure that claims of compliance are not misleading.'

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