

Product Code

**DT12HT**

## 'High Thread' Composite Panel Fastener



### Application

Used for fixing insulated composite roof panels or built up systems to hot rolled steel substrate.

### Construction

One-piece cold forged, hardened, organic coated, dual threaded with thread-free central zone.

### Material

Modified carbon steel. Grade C1022.

### Drive Type

Standard 5/16" hex head. Colortite 11mm bi-hex virgin nylon moulded head, colour range-see catalogue. Due to tooling limitations, moulded heads are not available on some longer length products.

### Compliance

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

### Diameter

- 5.5mm lower thread
- 6.3mm upper thread

### Shear Strength

- 8.96kN Ultimate

### Tensile Strength

- 18.6kN 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	DT12HT85	DT12HT105	DT12HT120	DT12HT150	DT12HT185	DT12HT240
Panel Thickness	25-50mm	35-70mm	45-85mm	75-115mm	110-150mm	150-205mm

### Pullout Resistance

Mild Steel Purlin Thickness	6.0mm	12.0mm
Values	15.6kN	17.4kN

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.'