

Product Code

DT12

Drilltite Self-Drilling and Tapping Fasteners



Application

Fasteners for fixing both site assembled and factory assembled metal roofing and walling systems to hot rolled steel substrate.

Construction

One-piece, cold forged, hardened, proprietary organic coating.

Material

Modified Carbon steel.
Grade 1022.

Drive Type

Standard; 5/16" hex head.
Colortite; 11mm nylon moulded head, colour range, see catalogue. For information on Colortite element see separate data sheet 09CT.

Compliance

- BS 4174
- BS ISO 9002
- BS 5427 Part 1 1996*
- DIN 7504
- BS 3382 Part 1 & 2
- ASTM G527 & D2000

Diameter

- 5.5mm

Shear Strength

- 8.36kN Ultimate

Tensile Strength

- 18.6kN Ultimate

Hv Hardness

- 544 – 653

Eccs Bend Test

- To clause 5.2.18.1. where applicable.

Corrosion Resistance

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

Life Expectancy

- Exceeds 12 years in correct application.

Product Range

- Various lengths, purlins from 4.0mm to 12.0mm. For full range see catalogue.

Pullout Resistance

Mild steel purlin

Thickness	6.0mm	12.0mm
Ultimate values	15.6kN	17.4kN

N.B. Pull out from materials exceeding approx 6mm is limited by the tensile strength of the product. Also suitable for fastening to timber.

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.'