

THICK STEEL UP TO 12.5MM THICK

Super Tek® Series 500

Designed to drill through steel up to 12.5mm thick, cut their own mating threads and fasten securely in one simple operation. Has the same twist drill as a conventional Metal Tek®, but with extra long cutting flutes to drill, tap, seal and fasten in one simple operation.

How To Use

1. Ensure that the total thickness of the materials to be joined does not exceed 12.5mm.
2. Select the correct driver for the screw being used.

| Head Style | Driver |
|------------|--------------------------|
| Wafer Hd | #3 Phillips Cross Recess |
| Hex Hd | 15/16" Hex Socket |

3. Fit driver to a power screwdriver set to HIGH - approx. 2500 rpm.
4. Fit screw to driver and place at fastening position.
5. Push sharply on screwdriver to create a starting point.
6. Use maximum revs for drilling then slow down when the thread engages in order to set the screw properly.

Performance Data

Actual Average Pullout Load

| Hot Rolled Steel Thickness | Pullout |
|----------------------------|---------|
| 3.0mm | 5900N |
| 4.0mm | 9500N |
| 5.0mm | 12900N |
| 6.0mm | * |
| 12.5mm | * |

* Denotes tensile failure of fastener in test.

| Mechanical Properties | |
|---|--------|
| Single Shear Strength | 9.0KN |
| Axial Tensile Strength | 16.7KN |
| Torsional Strength | 13.5KN |
| Values given are ultimate averages obtained under laboratory conditions. Appropriate factors should be applied for design purposes. | |



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THICK STEEL UP TO 12.5MM THICK

Fixing metal to thick steel from 4.5-12.5mm. Sealing washer for when a water tight finish is required.

Applications

- Roof or wall cladding
- Signs, plumbing fittings

Hex Head with Seal

| Product Range | | | |
|---------------|------------|---------------|----------------|
| Gauge | Dimensions | Pack Quantity | Part Number |
| 12g | 12-24x32mm | 500 | 6-350-0009-4CS |
| | 12-24x50mm | 1000 | 6-350-0016-4CS |
| | 12-24x65mm | 1000 | 6-350-0017-2CS |

Fixing Metal to Thick Steel From 4.5 - 12mm.

Applications

- Signs
- Fire protection equipment
- Pipe and cable saddles

Hex Head no Seal

| Product Range | | | |
|---------------|------------|---------------|----------------|
| Gauge | Dimensions | Pack Quantity | Part Number |
| 12g | 12-24x32mm | 500 | 6-351-0001-5CS |
| | 12-24x50mm | 1000 | 6-351-0016-1CS |
| | 12-24x65mm | 1000 | 6-351-0017-9CS |



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