



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.	



Metroll Newcastle
 ABN 97 001 446 439
 268 Macquarie Road
 WARNERS BAY NSW 2282
 AUSTRALIA

P: +61 (0)2 4954 5799
 F: +61 (0)2 4954 0891
www.metrollnewcastle.com.au
enquiries@metrollnewcastle.com.au



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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