

SuperTEKS[®]

Series 500

Designed for use in thick steels (hot rolled steel) from 3.0mm to 12.0mm.

Will cut their own mating threads and fasten securely in one simple operation. Has the same twist drill as a conventional Metal Tekes®, 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	#3 Cross Recess Bit
Hex	5/16" Hex Socket

3. Fit driver to a power screwdriver set to medium - approx. 2500 rpm.

4. Fit screw to driver and place at fastening position.

5. Use medium revs for drilling then slow down when the thread engages in order to set the screw properly.

***If flute becomes clogged, temporarily withdraw the screw from the hole. Clean the flutes, then continue drilling.**






SERIES 500-Hex. Head with seal



  Available head painted

Application

Fixing metal to thick steel from 3mm up to 12mm hot rolled steel. Sealing washer for when a water tight finish is required - roof or wall cladding - signs, plumbing fittings.

Gauge	T.P.I	Length	Pack	Carton	Part Number	Pack Type	Finish
12	24	38	500	3	6-350-0009-4CS	Bulk	
12	24	53	1000	1	6-350-0016-4CS	Bulk	
12	24	68	1000	1	6-350-0017-2CS	Bulk	
14	20	150	250	1	6-350-3028-8C4	Bulk	
14	20	200	250	1	6-350-3029-9C4	Bulk	

SERIES 500-Hex. Head-no seal



Application

Fixing metal to thick steel from 3mm up to 12mm hot rolled steel - signs - fire protection equipment - pipe and cable saddles.

Gauge	T.P.I	Length	Pack	Carton	Part Number	Pack Type	Finish
12	24	38	500	3	6-351-0001-5CS	Bulk	
12	24	53	1000	1	6-351-0016-1CS	Bulk	
12	24	68	1000	1	6-351-0017-9CS	Bulk	

SERIES 500-Wafer Head



Application

Application Jobs needing a low profile head - metal deck clips - brackets.

Gauge	T.P.I	Length	Pack	Carton	Part Number	Pack Type	Finish
12	24	38	500	4	6-351-0005-8CS	Bulk	

Performance Data Pullout Loads-Steel

Material

2.4mm purlin	6,260 N
8mm hot rolled steel	16,700 N
12mm hot rolled steel	16,700 N

Mechanical Properties

Single Shear Strength	9.0 kN
Axial Tensile Strength	16.7 kN
Torsional Strength	13.5 nM

Values given are averages obtained under laboratory conditions.
Appropriate safety factors should be applied for design purposes.

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