

# PRODUCT DATASHEET

## Collated Wing Drill Tek Screws



### Product Details

Purpose:	Fixing timber or composites to steel
Head style:	Countersunk
Material Grade:	AISI C1022
Coating:	500hr Evoshield®
Thread Form:	Coarse Thread
Recess Type:	Square
Drill Point:	TEK 3
Recommended Drill Speed:	1500-2500 RPM

### Collated Wing Drill Tek Screw Range- Products for use in Light Gauge Applications (1.2mm to 4.0mm mild steel)

SKU	Nominal Dimensions, dnom x Lnom (mm)	Effective Thread Length, Lthread (mm)	Drilling Point	Drilling Capacity
CTSTF4.8-38-3	4.8 x 38.0mm	FULL	TEK 3	1.2 - 4.0mm

### Ultimate Withdrawal Resistance, $N_{Rk}$ , from S355JR Steel (N)

Diameter	Drill Point	Nominal Substrate Thickness, $t_{nom}$ (mm)					
		1.2mm	1.6mm	2.0mm	2.5mm	3.0mm	4.0mm
4.8mm	TEK 3	1,100 N	1,500 N	2,500 N	3,600 N	3,900 N	4,400 N

### Ultimate Mechanical Performance

Property	Magnitude (N)
Tensile Capacity, $F_{ult,Rk}$	10,300 N
Shear Capacity, $V_{ult,Rk}$	7,100 N

### Pullover Performance In 50mm of C16 Timber

Diameter (mm)	Magnitude (N)
4.8 mm	2,200 N

NOTE: The results expressed in this document are determined from empirical testing. Specifiers, end-users and other third parties should make their own decision(s) on what safety factors to use relevant to their design(s)/ application(s). This document is provided, strictly: without prejudice, without recourse, without liability, non-assumpsit, no assured value, errors and omissions excepted, subject to change without notice and all rights reserved.  
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