



PRODUCT DATASHEET

WING DRILL TEK SCREW

PRODUCT DETAILS

Purpose:	Fixing timber or composites to steel
Head style:	Countersunk or countersunk with nibs
Material Grade:	AISI C1022
Coating:	500hr Evoshield®
Drill Point:	TEK 5
Drilling Capacity:	4.0 - 12.5mm
Recommended Drill Speed:	1500-2500 RPM

GENERAL PHYSICAL CHARACTERISTICS

SKU	Nominal Dimensions, $d_{nom} \times L_{nom}$ (mm)	Recess Type	Effective Thread Length (mm)
TSTF5.5-42-5	5.5 x 42.0	Phillips 3	13.0
TSTF5.5-65-5	5.5 x 65.0	Phillips 3	28.0
TSTF5.5-85-5	5.5 x 85.0	Phillips 3	50.0
TSTF5.5-100-5	5.5 x 100.0	Phillips 3	65.0
TSTF5.5-110-5	5.5 x 110.0	Phillips 3	75.0
TSTF5.5-135-5	5.5 x 135.0	Phillips 3	100.0
TSTF5.5-150-5	5.5 x 150.0	Phillips 3	115.0
TSTF5.5-180-5	5.5 x 180.0	Phillips 3	145.0

ULTIMATE PULL OUT VALUES

Nom. Dia. (mm)	Drill Point	Steel Thickness (mm)					
		4.0	5.0	6.0	8.0	10.0	12.5
5.5	Tek 5	4,200N	9,800N	10,400N	11,700N	12,500N	13,800N

ULTIMATE MECHANICAL PROPERTIES

	Magnitude
Tensile capacity, ($F_{ult,Rk}$)	20,100N
Shear capacity, ($V_{ult,Rk}$)	10,300N

ULTIMATE PULLOVER PERFORMANCE

Nom. Dia. (mm)	In 50mm Timber
5.5	2,700N

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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