



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 3
Drilling Capacity:	1.2 - 3.5mm
Recommended Drill Speed:	1500-2500 RPM

GENERAL PHYSICAL CHARACTERISTICS

SKU	Nominal Dimensions, d _{nom} x L _{nom} (mm)	Recess Type	Effective Thread Length (mm)
TSTF4.2-38-3	4.2 x 38.0	Phillips 2	24.0
TSTF4.8-38-3	4.8 x 38.0	Phillips 2	24.0
TSTF4.8-45-3	4.8 x 45.0	Phillips 2	30.0
TSTF5.5-38-3	5.5 x 38.0	Phillips 3	23.0
TSTF5.5-50-3	5.5 x 50.0	Phillips 3	32.0
TSTF5.5-62-3	5.5 x 62.0	Phillips 3	48.0
TSTF5.5-80-3	5.5 x 80.0	Phillips 3	60.0
TSTF5.5-100-3	5.5 x 100.0	Phillips 3	85.0
TSTF5.5-120-3	5.5 x 120.0	Phillips 3	100.0
TSTF5.5-150-3	5.5 x 150.0	Phillips 3	130.0
TSTF5.5-180-3	5.5 x 180.0	Phillips 3	160.0
TSTF5.5-200-3	5.5 x 200.0	Phillips 3	180.0
TSTF5.5-235-3	5.5 x 235.0	Phillips 3	210.0

ULTIMATE PULL OUT VALUES

Nom. Dia. (mm)	Drill Point	Steel Thickness (mm)					
		1.2	1.6	2.0	2.5	3.0	4.0
4.2	Tek 3	1,000N	1,200N	1,900N	3,500N	3,900N	4,800N
4.8	Tek 3	1,100N	1,500N	2,500N	3,600N	3,900N	4,400N
5.5	Tek 3	1,200N	2,300N	3,000N	4,000N	4,600N	5,700N

ULTIMATE MECHANICAL PROPERTIES

	Magnitude		
	4.2mm	4.8mm	5.5mm
Tensile capacity,(F _{ult,Rk})	10,400N	12,400N	20,100N
Shear capacity,(V _{ult,Rk})	5,200N	6,400N	10,300N

ULTIMATE PULLOVER PERFORMANCE

Nom. Dia. (mm)	In 50mm Timber
4.2	1,600N
4.8	2,200N
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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