



PRODUCT DATASHEET

Metal Framing TEK Screws

Product Details

Purpose:	Fixing steel to steel
Head style:	Low Profile
Shank Material:	Carbon Steel
Material Grade:	SAE C1022
Coating:	500hr Evoshield®
Thread Form:	Coarse Thread (TEK 2), Fine Thread (TEK 5)
Drill Point:	TEK 2 and TEK 5
Recommended Drill Speed:	1500-2500 RPM

Metal Framing TEK Screw Range

SKU	Nominal Dimensions, dnom x Lnom (mm)	Effective Thread Length, Lthread (mm)	Recess Type	Drilling Point	Drilling Capacity (mm)
TSLP4.8-22-2	4.8 x 22.0mm	FULL	Phillips 2	TEK 2	0.8 - 2.5 mm
TSLP6.3-25-3	6.3 x 25.0 mm	FULL	Phillips 3	TEK 3	1.2 - 4.0 mm
TSLP5.5-38-5	5.5 x 38.0 mm	FULL	Phillips 3	TEK 5	4.0 - 12.0mm

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
4.8mm	TEK 2	1,300 N	1,900 N	2,300 N	3,200 N

Diameter	Drill Point	Nominal Substrate Thickness, t_{nom} (mm)					
		1.2mm	1.6mm	2.0mm	2.5mm	3.0mm	4.0mm
6.3mm	TEK 3	1,700 N	1,900 N	2,400 N	4,600 N	6,500 N	7,600 N

Diameter	Drill Point	Nominal Substrate Thickness, t_{nom} (mm)					
		4.0mm	5.0mm	6.0mm	8.0mm	10.0mm	12.5mm
5.5mm	TEK 5	5,800 N	7,100 N	8,800 N	10,700 N	12,900 N	16,300 N

Ultimate Mechanical Performance

Property	Magnitude (N)		
	4.8mm	5.5mm	6.3mm
Tensile Capacity, $F_{ult,Rk}$	8,100 N	17,400 N	18,700 N
Shear Capacity, $F_{ult,Rk}$	5,200 N	10,500 N	12,000 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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