

PRODUCT DATASHEET

A2 BI-METAL PANCAKE HEAD SELF-DRILLING SCREW TEK 3



PRODUCT DETAILS

Purpose:	Fixing steel to steel
Head style:	Phillips 2
Thread Form:	Single coarse thread
Drill Point:	Tek 3
Material Grade:	A2 stainless steel / AISI A304
Drilling Point Material Grade:	SAE C1022 Recommended
Coating:	Electroplated zinc
Recommended Drill Speed:	1500 – 2500 RPM

Metal framing tek screw range

Product Code	Size	Drill Point	Effective Thread	Drilling Capacity	Head Style	Steel Thickness
BMTSPH5.5-19-3	5.5x19mm	Tek 3	10.0mm	1.2 – 3.5mm	Pancake	1.2 – 3.5mm
BMTSPH5.5-25-3	5.5x25mm	Tek 3	18.0mm	1.2 – 3.5mm	Pancake	1.2 – 3.5mm

Technical Data

Tek 3 range – unfactored pull out values

Diameter	Drill Point	Steel Thickness					
		1.2mm	1.6mm	2.0mm	2.5mm	3.0mm	4.0mm
5.5mm	Tek 3	1.2kN	1.7kN	2.1kN	3.4kN	4.5kN	6.1kN

Hardness Rating (Vickers scale)

Diameter	Surface Hardness	Core Hardness
5.5mm	487.6 HV0.3	373.1 HV0.3

Ultimate Mechanical Performance

Diameter	Tensile Strength	Shear Strength
5.5mm	6.2kN	4.5kN

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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