

PRODUCT DATASHEET

A4 BI-METAL TEK SCREW



Purpose:	Fixing cladding/roofing applications to hot/cold rolled purlins/rails. Fastening liner panels and general components to steel. Fastening in aluminium sheeting and panels.
Head style and drive:	Hexagonal, 5/16" hexagonal
Thread form:	Coarse thread (Tek 3) / Fine thread (Tek 5)
Material Grade:	EN 1.4401/ A4 (AISI 316)
Drilling Point Material Grade:	SAE C1022 Carbon Steel
Coating:	≥5 µm Electroplated Zinc
Recommended Drill Speed:	1500 – 2500RPM

A4 Bi-Metal TEK Screw Range - Products for use in Light Gauge Applications (1.2mm to 3.5mm mild steel)

Product Code	Size	Effective Thread Length	Drill Point	Drilling Capacity
A4BMHH5.5-25-3	5.5 x 25mm	14.0 mm	TEK 3	1.2 - 3.5mm
A4BMHH5.5-32-3	5.5 x 32mm	21.0 mm	TEK 3	1.2 - 3.5mm
A4BMHH5.5-38-3	5.5 x 38mm	27.0 mm	TEK 3	1.2 - 3.5mm
A4BMHH5.5-50-3	5.5 x 50mm	39.0 mm	TEK 3	1.2 - 3.5mm

A4 Bi-Metal TEK Screw Range - Products for use in Heavy Gauge Applications (4.0mm to 12.5mm mild steel)

Product Code	Size	Effective Thread Length	Drill Point	Drilling Capacity
A4BMHH5.5-38-5	5.5 x 38mm	8.0 mm	TEK 5	4.0 - 12.5mm
A4BMHH5.5-50-5	5.5 x 50mm	20.0 mm	TEK 5	4.0 - 12.5mm

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	1,600 N	2,100 N	3,100 N	4,000 N	4,500 N	5,300 N

TEK 5 range – Unfactored pull out values

Diameter	Drill Point	Steel Thickness					
		4.0mm	5.0mm	6.0mm	8.0mm	10.0mm	12.5mm
5.5mm	TEK 5	6,800 N	7,400 N	8,200 N	9,700 N	10,400 N	11,900 N

Pullover Performance

Diameter	In 0.6mm steel	In 1.2mm steel
5.5mm	3,700 N	8,200 N

Ultimate Mechanical Performance

Diameter	Tensile Strength	Shear Strength
5.5mm	11,400 N	8,600 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-assumptions, no assured value, errors and omissions excepted, subject to change without notice and all rights reserved.
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