



PRODUCT DATASHEET

A4 BI-METAL TEK SCREW

EVO-DS-TB-LH-0055

PRODUCT DETAILS

Purpose:	Fastening various components to light section materials where corrosion resistance is required.
Head style:	Hex Head with Washer
Drive:	5/16" Hex Head
Washer:	16mm ø Bonded EDPM A4 Stainless
Thread Form:	Twin Coarse Thread (Tek 3)/Fine Thread (Tek 5)
Drill Point:	Carbon Steel
Material Grade:	AISI 316/EN 1.4401 (A4)
Coating:	Electroplated Zinc
Drilling Capacity:	(Tek 3) 1.2 - 4.0mm (Tek 5) 4.0 - 12.5mm
Recommended Drill Speed:	1500 – 2500RPM

A4 Bi-Metal TEK Screw Range - Products for use in Light Gauge Applications (1.2mm to 4.0mm mild steel)

Product Code	Size	Effective Thread Length
A4BM25-3	5.5 x 25mm	11.0 mm
A4BM38-3	5.5 x 38mm	24.0 mm
A4BM50-3	5.5 x 50mm	36.0 mm
A4BM75-3	5.5 x 75mm	61.0mm
A4BM100-3	5.5 x 100mm	86.0mm

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
A4BM38-5	5.5 x 38mm	12.0 mm
A4BM50-5	5.5 x 50mm	27.0 mm
A4BM75-5*	5.5 x 75mm	52.0mm
A4BM100-5	5.5 x 100mm	77.0mm

* Coming Q2 2024

Technical Data

TEK 3 range - unfactored pull out values

Drill Point	Steel Thickness					
	1.2mm	1.6mm	2.0mm	2.5mm	3.0mm	4.0mm
TEK 3	1,600 N	2,100 N	3,100 N	4,000 N	4,500 N	5,300

TEK 5 range - unfactored pull out values

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

Ultimate Mechanical Performance

Diameter	Tensile Strength	Shear Strength
5.5mm	13,200 N	10,900 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