



PRODUCT DATASHEET

A4 BI-METAL COMPOSITE PANEL FASTENER

PRODUCT DETAILS

Purpose:	Fastening to aluminium sheeting and panels
Head style and drive:	Hexagonal, 5/16" hexagonal
Thread Form:	Twin, high thread
Drill Point:	Tek 3
Material Grade:	A4 Stainless Steel, AISI A316
Drilling Point Material Grade:	SAE C1022
Coating:	Electroplated zinc
Washer:	Bonded EPDM
Recommended Drill Speed:	1500 - 2500RPM

Bi-Metal Composite Panel Fastener Range - Products for use in Light Gauge Applications (1.2mm to 3.5mm mild steel)

Product Code	Size	Washer	Insulation Thickness Range	Drilling Capacity
A4BMHT105-3	5.5 x 105mm	16mm	50mm-85mm	1.2 - 3.5mm
A4BMHT135-3	5.5 x 135mm	16mm	60mm-115mm	1.2 - 3.5mm
A4BMHT150-3	5.5 x 150mm	16mm	75mm-130mm	1.2 - 3.5mm
A4BMHT185-3	5.5 x 185mm	19mm	110mm-165mm	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	1.8kN	2.0kN	2.4kN	3.3kN	4.4kN	6.1kN

Hardness Rating (Vickers scale)

Diameter	Surface Hardness	Core Hardness
5.5mm	383.5 HV0.3	318.6 HV0.3

Ultimate Mechanical Performance

Diameter	Tensile Strength	Shear Strength
5.5mm	12.3kN	9.9kN

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-assumptit, no assured value, errors and omissions excepted, subject to change without notice and all rights reserved.
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