



PRODUCT DATASHEET

A2 COMPOSITE PANEL FASTENER

PRODUCT DETAILS

Purpose:	Fixing cladding/roofing applications to hot/cold purlins/rails. Fastening liner panels and general components to steel. Fastening brick-tie channel through Insulation to SFS.
Head style and drive:	Hexagonal, 5/16" hexagonal
Thread Form:	Coarse thread
Shank Material:	AISI A304
Material Grade:	AISI A304
Drilling Point Material Grade:	SAE C1022
Recommended Drill Speed:	1500 – 2500RPM

Composite Panel Fastener Range – for light steel

Product Code	Size	Washer	Insulation Thickness Range	Drilling Capacity	Recommended Drill Speed
A2BMHT-5.5-125-3	5.5 x 125mm	NO	50 - 105mm	1.2 - 3.5mm	1500 - 2500 RPM
A2BMHT-5.5-135-3	5.5 x 135mm	NO	60 - 115mm	1.2 - 3.5mm	1500 - 2500 RPM
A2BMHT-5.5-150-3	5.5 x 150mm	NO	75 - 130mm	1.2 - 3.5mm	1500 - 2500 RPM
A2BMHT-5.5-185-3	5.5 x 185mm	NO	110 - 165mm	1.2 - 3.5mm	1500 - 2500 RPM

Technical Data

Ultimate Pull Out Values							
Diameter	Drill Point	Steel Thickness					
		1.2mm	1.6mm	2.0mm	2.5mm	3.0mm	4.0mm
5.5mm	Tek 3	1.7kN	2.1kN	2.5kN	3.3kN	4.1kN	5.4kN

Hardness Rating (Vickers scale)

Diameter	Surface Hardness	Core Hardness
5.5mm	465.6 HV0.3	323.7 HV0.3

Ultimate Mechanical Performance

Diameter	Tensile Strength	Shear Strength
5.5mm	13.3kN	9.9kN

Pullover Performance

Diameter	Tensile Strength	Shear Strength
5.5mm	2.4kN	8.1kN

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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