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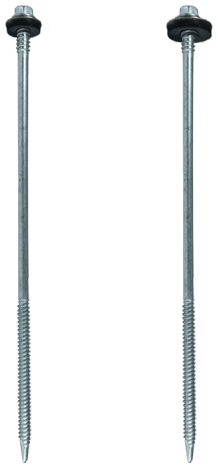
PRODUCT DATASHEET
BI-METAL COMPOSITE PANEL FASTENER



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
High Thread Form:	Coarse thread
Primary Thread form:	Coarse thread (Tek 3)
Material Grade:	EN 1.4301/ A2 (AISI A304)
Drilling Point Material Grade:	SAE C1022
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
BMTSBWHT5.5-80-3	5.5 x 80mm	16mm	25mm-60mm	1.2 - 4.0mm
BMTSBWHT5.5-105-3	5.5 x 105mm	16mm	50mm-85mm	1.2 - 4.0mm
BMTSBWHT5.5-115-3	5.5 x115mm	16mm	40mm-95mm	1.2 - 4.0mm
BMTSBWHT5.5-135-3	5.5 x 135mm	16mm	60mm-115mm	1.2 - 4.0mm
BMTSBWHT5.5-150-3	5.5 x 150mm	16mm	75mm-130mm	1.2 - 4.0mm
BMTSBWHT16-5.5-165-3	5.5 x 165mm	16mm	90mm-145mm	1.2 - 4.0mm
BMTSBWHT16-5.5-185-3	5.5 x 185mm	16mm	110mm-165mm	1.2 - 4.0mm
BMTSBWHT16-5.5-200-3	5.5 x 200mm	16mm	125mm-180mm	1.2 - 4.0mm
BMTSBWHT16-5.5-225-3	5.5 x 225mm	16mm	150mm-205mm	1.2 - 4.0mm

Product Code	Size	Washer	Insulation Thickness Range	Drilling Capacity
BMTSBWHT5.5-185-3	5.5 x 185mm	19mm	110mm-165mm	1.2 - 4.0mm
BMTSBWHT5.5-200-3	5.5 x 200mm	19mm	125mm-180mm	1.2 - 4.0mm
BMTSBWHT5.5-235-3	5.5 x 235mm	19mm	160mm-215mm	1.2 - 4.0mm
BMTSBWHT5.5-275-3	5.5 x 275mm	19mm	200mm-255mm	1.2 - 4.0mm

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	1.7kN	2.1kN	2.5kN	3.3kN	4.1kN	5.4kN

Pullover Performance

Diameter	In 0.6mm steel	In 1.2mm steel
5.5mm	2.4kN	8.1kN

Ultimate Mechanical Performance

Diameter	Tensile Strength	Shear Strength
5.5mm	13.3kN	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-assumpsit, no assured value, errors and omissions excepted, subject to change without notice and all rights reserved.