

PRODUCT DATASHEET

BI-METAL COMPOSITE PANEL FASTENER

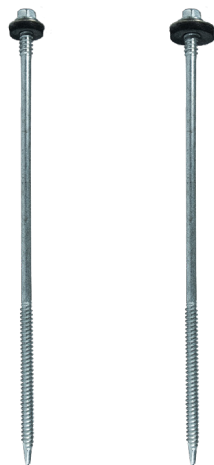


Image is a real photograph of the actual product described
Illustrated image is representative of the full range.
Please refer to the corresponding drawing file for 1:1 scale replication per SKU

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)
Drill Capacity:	1.2-4.0 mm
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 4.0mm mild steel)

Product Code	Size	Washer	*Insulation Thickness Range
BMTSBWHT5.5-80-3	5.5 x 80mm	16mm	25mm-60mm
BMTSBWHT5.5-105-3	5.5 x 105mm		50mm-85mm
BMTSBWHT5.5-115-3	5.5 x 115mm		40mm-95mm
BMTSBWHT5.5-135-3	5.5 x 135mm		60mm-115mm
BMTSBWHT5.5-150-3	5.5 x 150mm		75mm-130mm
BMTSBWHT16-5.5-165-3	5.5 x 165mm		90mm-145mm
BMTSBWHT16-5.5-185-3	5.5 x 185mm		110mm-165mm
BMTSBWHT16-5.5-200-3	5.5 x 200mm		125mm-180mm
BMTSBWHT16-5.5-225-3	5.5 x 225mm		150mm-205mm
BMTSBWHT16-5.5-235-3	5.5 x 235mm		160mm-215mm
BMTSBWHT16-5.5-300-3	5.5 x 300mm		225mm-280mm

*For Enterprise System applications, please contact our technical team

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

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Technical Data

Characteristic Withdrawal Resistance (N)					
Steel Thickness (mm)					
1.2mm	1.6mm	2.0mm	2.5mm	3.0mm	4.0mm
1,700 N	2,100 N	2,500 N	3,300 N	4,100 N	5,400 N

Characteristic Mechanical Performance

Property	Magnitude
Tensile Capacity	13,300 N
Shear Capacity	9,900 N

Characteristic Pullover Performance

Steel Thickness	Magnitude
0.6mm	2,400 N
1.2mm	8,100 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-assumpsit, no assured value, errors and omissions excepted, subject to change without notice and all rights reserved.
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