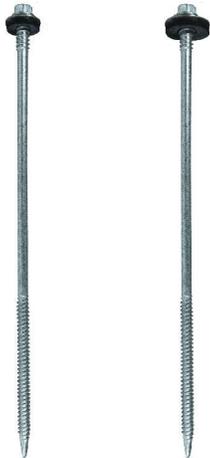


PRODUCT DATASHEET

BI-METAL COMPOSITE PANEL FASTENER

EVO-DS-TB-CL-0061



| | |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 |

*For Enterprise System applications, please contact our technical team

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