**BAFD**

**LR CERTIFIED ISO 9001**

**evolution**

www.evolutionfasteners.co.uk

# PRODUCT DATASHEET
## SuperTEK@7 Bi-Metal Stainless Steel Composite Panel Fastener

### Product Details

| | |
|---|---|
| **Purpose:** | Fixing cladding/roofing applications to hot/cold purlins/rails. Fastening liner panels and general components to steel. |
| **Head style and drive:** | Hexagonal, 5/16" hexagonal |
| **Washer:** | 19mm Bonded EPDM |
| **Drill Poiont:** | TEK 7 Spiral Point |
| **Drill Point Material Grade:** | Carbon Steel (SAE C1022) |
| **Thread Form:** | Fine Thread with 'V' Fluting |
| **Shank Material/Grade:** | EN 1.4401 / A4 (AISI 316) |
| **Caoting:** | ≥ 5µm electrodeposited zinc |
| **Recommended Drill Speed:** | 1500 – 2500RPM |

### SuperTEK®7 Marine Grade - Products for use in Heavy Gauge Applications (4.0mm to 18.5mm mild steel)

| SKU | Nominal Dimensions, dnom x Lnom (mm) | Effective Thread Length, Lthread (mm) | Driling Point | Driling Capacity |
|---|---|---|---|---|
| A4BMHT19-5.5-185-7 | 5.5 x 185mm | 80mm (60mm Thread) | TEK 7 | 4.0-18.5mm |
| A4BMHT19-5.5-235-7 | 5.5 x 235mm | 80mm (60mm Thread) | TEK 7 | 4.0-18.5mm |
| A4BMHT19-5.5-250-7 | 5.5 x 250mm | 80mm (60mm Thread) | TEK 7 | 4.0-18.5mm |
| A4BMHT19-5.5-275-7 | 5.5 x 275mm | 80mm (60mm Thread) | TEK 7 | 4.0-18.5mm |
| A4BMHT19-6.3-300-7 | 6.3 x 300mm | 80mm (60mm Thread) | TEK 7 | 4.0-18.5mm |

### Characteristic Withdrawal Resistance, $N_{Rk}$ , from S355JR Steel (N)

| Diameter | Drill Point | Nominal Substrate Thickness, $t_{nom}$ (mm) | | | | | |
|---|---|---|---|---|---|---|---|
| | | **4.0** | **5.0** | **8.0** | **12.5** | **15.0** | **18.0** |
| **5.5mm** | **TEK 7** | 6,400 | 7,600 | 11,300 | Tensile Capacity of Fastener Reached | | |

### Characteristic Mechcanical Performance

| Property | Magnitude |
|---|---|
| **Tensile Capacity, Fult,Rk (N)** | 12,270 N |
| **Shear Capacity, Vult,Rk (N)** | 8,400 N |
| **Torsional Capacity,τult,Rk (N)** | 12.5 Nm |