



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 Point:	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)
Coating:	≥ 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, d _{nom} x L _{nom} (mm)	Effective Thread Length, L _{thread} (mm)	Drilling Point	Drilling 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 Mechanical Performance

Property	Magnitude
Tensile Capacity, F _{ult} ,R _k (N)	12,270 N
Shear Capacity, V _{ult} ,R _k (N)	8,400 N
Torsional Capacity, t _{ult} ,R _k (N)	12.5 Nm

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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