



## PRODUCT DATASHEET

### TEK 5 Screw Hex Head With Bonded EPDM Washer

<b>Purpose:</b>	Fixing cladding/roofing applications to hot/cold rolled purlins/rails. Fastening liner panels and general components to steel
<b>Head style and drive:</b>	Hexagonal, 5/16" hexagonal
<b>Washer:</b>	16mm bonded EPDM
<b>Thread form:</b>	Fine thread (TEK 5)
<b>Shank Material:</b>	Carbon Steel
<b>Material Grade:</b>	SAE C1022
<b>Coating:</b>	500hr Evoshield®
<b>Recommended Drill Speed:</b>	1500 - 2500RPM

#### Hex Head For Heavy Steel TEK Screw Range - Products for use in Heavy Gauge Applications (4.0mm to 12.0mm mild steel)

SKU	Nominal Dimensions, dnom x Lnom (mm)	Effective Thread Length, Lthread (mm)	Drilling Point	Drilling Capacity
TSBW5.5-38-5	5.5 x 38mm	FULL	TEK 5	4.0 - 12.0mm
TSBW5.5-50-5	5.5 x 50mm	FULL	TEK 5	4.0 - 12.0mm
TSBW5.5-60-5	5.5 x 60mm	FULL	TEK 5	4.0 - 12.0mm
TSBW5.5-70-5	5.5 x 70mm	FULL	TEK 5	4.0 - 12.0mm
TSBW5.5-85-5	5.5 x 85mm	FULL	TEK 5	4.0 - 12.0mm
TSBW5.5-100-5	5.5 x 100mm	FULL	TEK 5	4.0 - 12.0mm

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

Diameter	Drill Point	Nominal Substrate Thickness, $t_{nom}$ (mm)					
		4.0mm	5.0mm	6.0mm	8.0mm	10.0mm	12.5mm
5.5mm	TEK 5	6,130 N	7,770 N	9,800 N	10,860 N	11,750 N	13,100 N

#### Ultimate Mechanical Performance

Property	Magnitude
Tensile Capacity, $F_{ult,Rk}$ (N)	15,900 N
Shear Capacity, $V_{ult,Rk}$ (N)	12,200 N

#### Pullover Performance

Diameter	In 0.6mm steel	In 1.2mm steel
5.5mm	4,200 N	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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