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EVO-DS-TE-HH-0005-G

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

PRODUCT DATASHEET

TEK 5 Screw Hex Head

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

Hex Head For Heavy Steel TEK Screw Range - Products for use in Heavy Gauge Applications

SKU	Nominal Dimensions, dnom x Lnom (mm)	Effective Thread Length, Lthread (mm)	Driling Point	Driling Capacity
TSHW5.5-32-5	5.5 x 32mm	FULL	TEK 5	4.0 - 8.0mm
TSHW5.5-38-5	5.5 x 38mm	FULL	TEK 5	4.0 - 12.0mm
TSHW5.5-50-5	5.5 x 50mm	FULL	TEK 5	4.0 - 12.0mm
TSHW5.5-75-5	5.5 x 75mm	FULL	TEK 5	4.0 - 12.0mm
TSHW5.5-100-5	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 Mechcanical Performance

Property	Magnitude
Tensile Capacity, Fult,Rk (N)	15,900 N
Shear Capacity, Vult,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.