

PRODUCT DATASHEET

TEK 3 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:	Coarse thread (TEK 3)
Shank Material:	Carbon Steel
Material Grade:	SAE C1022
Coating:	500hr Evoshield®
Recommended Drill Speed:	1500 – 2500RPM

Hex Head For Light Steel TEK Screw Range - Products for use in Light Gauge Applications (1.2mm to 3.5mm mild steel)

Product Code	Size	Effective Thread Length	Drill Point	Drilling Capacity
TSHW4.8-16-3	4.8 x 16mm	FULL	TEK 3	1.2 - 3.5mm
TSHW5.5-19-3	5.5 x 19mm	FULL	TEK 3	1.2 - 3.5mm
TSHW5.5-25-3	5.5 x 25mm	FULL	TEK 3	1.2 - 3.5mm
TSHW5.5-32-3	5.5 x 32mm	FULL	TEK 3	1.2 - 3.5mm
TSHW5.5-38-3	5.5 x 38mm	FULL	TEK 3	1.2 - 3.5mm
TSHW5.5-50-3	5.5 x 50mm	FULL	TEK 3	1.2 - 3.5mm
TSHW5.5-60-3	5.5 x 60mm	FULL	TEK 3	1.2 - 3.5mm
TSHW5.5-75-3	5.5 x 75mm	FULL	TEK 3	1.2 - 3.5mm
TSHW5.5-100-3	5.5 x 100mm	80mm	TEK 3	1.2 - 3.5mm
TSHW5.5-125-3	5.5 x 125mm	80mm	TEK 3	1.2 - 3.5mm

Technical Data

TEK 3 range - Unfactored pull out values

Diameter	Drill Point	Steel Thickness					
		1.2mm	1.6mm	2.0mm	2.5mm	3.0mm	4.0mm
4.8mm	TEK 3	1,200 N	1,600 N	2,000 N	3,000 N	3,900 N	4,500 N
5.5mm		1,700 N	1,900 N	2,400 N	4,600 N	6,500 N	7,600 N

Pullover Performance

Diameter	In 0.6mm steel	In 1.2mm steel
4.8mm	2,800 N	3,600 N
5.5mm	3,000 N	4,400 N

Characteristic Mechanical Performance

Diameter	Tensile Strength	Shear Strength
4.8mm	12,400 N	7,600 N
5.5mm	18,100 N	9,400 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-assumptit, no assured value, errors and omissions excepted, subject to change without notice and all rights reserved.
 ©Evolution Fasteners UK Ltd, 2021.