

PRODUCT DATASHEET

Zinc Coated TEK 3 Range



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 Details

Purpose:	Fastening where a high end corrosion resistant coating is not required
Head style:	Hexagonal Drive bit: 5/16" hexagonal
Thread Form:	Coarse thread (Tek 3)
Coating:	Electroplated Zinc $\geq 5\mu\text{m}$
Shank Material:	Carbon Steel
Shank Material Grade:	SAE C1022
Washer:	None
Drill Point:	TEK 3
Drilling Capacity	1.2 - 4.0mm
Recommended Drill Speed:	1,500 - 2,500 RPM

Zinc Coated TEK 3 Range - Products for use in Light Gauge Steel Applications (1.2mm to 4.0mm mild steel)

SKU	Nominal Dimensions, $d_{\text{nom}} \times L_{\text{nom}}$ (mm)	Effective Thread Length L_{thread} (mm)
HWZP19-3	5.5 x 19.0	Fully Threaded
HWZP25-3	5.5 x 25.0	Fully Threaded
HWZP32-3	5.5 x 32.0	Fully Threaded
HWZP38-3	5.5 x 38.0	Fully Threaded
HWZP50-3	5.5 x 50.0	Fully Threaded
HWZP75-3	5.5 x 75.0	Fully Threaded
HWZP100-3	5.5 x 100.0	80.0

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

Diameter	Nominal Substrate Thickness, t_{nom}					
	1.2mm	1.6mm	2.0mm	2.5mm	3.0mm	4.0mm
5.5	1,700 N	2,000 N	2,200 N	4,100 N	5,100 N	6,000 N

Ultimate Mechanical Performance

Property	Magnitude
Tensile Capacity, (F_{ult}, R_k)	14,900 N
Shear Capacity, (V_{ult}, R_k)	9,400N

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.
©Evolution Fasteners UK Ltd, 2021.