



PRODUCT DATASHEET

ZINC COATED WING DRILL TEK SCREW

PRODUCT DETAILS

Purpose:	Fixing timber or composites to steel
Head style:	Countersunk or countersunk with nibs
Material Grade:	AISI C1022
Coating:	Zinc - 12µm (Cr6)
Drill Point:	TEK 5
Drilling Capacity:	4.0 - 12.5mm
Recommended Drill Speed:	1500-2500 RPM

GENERAL PHYSICAL CHARACTERISTICS

SKU	Nominal Dimensions, $d_{nom} \times L_{nom}$ (mm)	Recess Type	Timber Thickness Range
ZWDP65-5	5.5 x 65.0	Phillips 3	5-30mm
ZWDP85-5	5.5 x 85.0	Phillips 3	30-50mm
ZWDP110-5	5.5 x 110.0	Phillips 3	40-75mm

ULTIMATE PULL OUT VALUES

Diameter	Point Style	Steel Thickness					
		4.0mm	5.0mm	6.0mm	8.0mm	10.0mm	12.5mm
5.5mm	TEK 5	8,700N	9,500N	10,900N	12,300N	13,600N	16,500N

PULL OVER VALUES IN C16 TIMBER

Nom. Dia.	Magnitude
5.5mm	3,380N

ULTIMATE MECHANICAL PROPERTIES

Property	Magnitude
Tensile Capacity, (F_{ult}, R_k)	20,100N
Shear Capacity, (V_{ult}, R_k)	10,300N
Torsional Capacity, (τ_{ult}, R_k)	14.0Nm

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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