



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 3
Drilling Capacity:	1.2 – 4.0mm
Recommended Drill Speed:	1500-2500 RPM

GENERAL PHYSICAL CHARACTERISTICS

SKU	Nominal Dimensions, $d_{nom} \times L_{nom}$ (mm)	Recess Type	Timber Thickness Range
ZWDP4.2-38-3	4.2 x 38.0	Phillips 2	5-22mm
ZWDP32-3	4.8 x 32.0	Phillips 2	5-16mm
ZWDP38-3	4.8 x 38.0	Phillips 2	5-22mm
ZWDP50-3	4.8 x 50.0	Phillips 2	5-34mm
ZWDP62-3	5.5 x 62.0	Phillips 3	5-43mm
ZWDP80-3	5.5 x 80.0	Phillips 3	25-60mm
ZWDP100-3	5.5 x 100.0	Phillips 3	45-80mm
ZWDP130-3	5.5 X 130.0	Phillips 3	60-110mm

ULTIMATE PULL OUT VALUES

Diameter	Point Style	Steel Thickness					
		1.2mm	1.6mm	2.0mm	2.5mm	3.0mm	4.0mm
4.2mm	TEK 3	1,000N	1,200N	1,700N	3,500N	4,200N	5,200N
4.8mm	TEK 3	1,100N	1,500N	2,500N	3,600N	5,100N	7,300N
5.5mm	TEK 3	1,200N	2,300N	3,000N	4,000N	5,300N	8,100N

PULL OVER VALUES IN C16 TIMBER

Nom. Dia.	Magnitude
4.2mm	2,340N
4.8mm	2,690N
5.5mm	3,380N

ULTIMATE MECHANICAL PROPERTIES

Property	Magnitude		
	4.2mm	4.8mm	5.5mm
Tensile Capacity, ($F_{ult} R_k$)	10,400N	12,400N	20,100N
Shear Capacity, ($V_{ult} R_k$)	5,200N	6,400N	10,300N
Torsional Capacity, ($T_{ult} R_k$)	5.3Nm	8.3Nm	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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