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PRODUCT DATASHEET

A2 WOODMASTER® SUPER CUTTER SCREWS

PRODUCT DETAILS

Purpose:	Universal fixing to wood, chipboard, MDF, plastics and composites where a stainless steel version is required
Head style and drive:	Double countersunk with nibs
Materials:	Stainless steel
Material Grade:	AISI 304/ EN 1.4301 (A2)

A2 STAINLESS STEEL WOODSCREWS:

CODE	SIZE	BOX	CARTON
A2WS4040	4.0 x 40mm	200	6,400
A2WS4050	4.0 x 50mm	200	6,400
A2WS4070	4.0 x 70mm	200	4,800
A2WS5040	5.0 x 40mm	200	4,800
A2WS5050	5.0 x 50mm	200	4,800
A2WS5060	5.0 x 60mm	200	3,200
A2WS5070	5.0 x 70mm	200	3,200
A2WS5090	5.0 x 90mm	200	3,200
A2WS50100	5.0 x 100mm	100	2,400
A2WS6080	6.0 x 80mm	200	2,400
A2WS60100	6.0 x 100mm	100	2,400
A2WS60120	6.0 x 120mm	100	1,600

Characteristic Withdrawal Resistance [NOTE 1], N_{Rk}, from ≥ C18 Kiln-dried Timber (N)

Nominal Diameter, d_{nom} (mm)	Embedment Depth h_{nom} (mm)			
	20.0	30.0	40.0	60.0
4.0	1,010	-	3,050	-
5.0	-	1,870	-	4,450
6.0	-	-	3,690	5,170

NOTE(S):
1. Interpolation is forbidden,
2. Derived from empirical tests performed pursuant to BS EN 14592: 2008 & A1: 2012[NC].

Characteristic Hardness[NOTE 1] Profile, H, of Product

Nominal Diameter, d_{nom} (mm)	Hardness Parameter[NOTE 2]	
	Surface, $H_{surface}$ (HV 0.3)	Core, H_{core} (HV 0.3)
4.0	≥ 390	≥ 250
5.0	≥ 360	≥ 240
6.0	≥ 380	≥ 240

NOTE(S):
1. Derived from empirical tests performed pursuant to BS EN ISO 6507-1: 2018,
2. Hardness zone designation pursuant to that of BS EN ISO 898-1: 2013[NC]

Characteristic Mechanical Performance of the Fasteners (N):

Nominal Diameter, d_{nom} (mm)	Tensile Capacity[NOTE 1], $N_{tens,Rk}$	Shear Capacity[NOTE 2], $V_{shear,Rk}$
4.0	3,550	2,860
5.0	5,350	4,780
6.0	8,530	6,740

NOTE(S):
1. Derived from empirical tests performed pursuant to BS EN ISO 6892-1: 2019[NC],
2. Derived from empirical tests performed pursuant to MIL-STD-1312-13[NC].

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.