



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 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)

Characteristic Withdrawal Resistance [NOTE 1], N_{Rk} , from $\geq$ 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):

- Interpolation is forbidden.
- Derived from empirical tests performed pursuant to BS EN 14592: 2008 & A1: 2012^{nc}.

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

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

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

NOTE(S):

- Derived from empirical tests performed pursuant to BS EN ISO 6507-1: 2018
- Hardness zone designation pursuant to that of BS EN ISO 898-1: 2013

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

NOTE(S):

- 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. ©Evolution Fasteners UK Ltd, 2021.