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PRODUCT DATASHEET

A4 STAINLESS STEEL DECKING SCREW

Product Details

Designed for: *Fixing timber decking/fencing in coastal areas and when fixing timber with aggressive ACQ or salt based timber treatments or in hardwoods with a high tannin content.*

Head style: *Countersunk*

Drive bit: *Square*

Thread form: *Single*

Drill point: *Type 17*

Shank material: *A4 stainless steel*

Material grade: *316 stainless steel*

A4 Stainless Steel Decking Screw

Product code	Size	Box Qty.	Carton Qty.	Recommended drill speed
DS-A4-50	4.2x50mm	200	6000	2000-3000 RPM
DS-A4-63	4.2x63mm	200	6000	2000-3000 RPM
DS-A4-75	4.2x75mm	200	3200	2000-3000 RPM

Technical Data

Hardness Rating (Vickers scale)			Ultimate pull out values			
Diameter	Surface Hardness	Core Hardness	Diameter	Drill point	Timber Embedment Depth	
4.2mm	379.4 HV0.3	254.1 HV0.3			15.0mm	30.0mm
Ultimate Mechanical Performance			4.2mm	Type 17	1.5kN	3.3kN
Diameter	Tensile Strength	Shear Strength				
4.2mm	5.2kN	1.5kN				

NOTE: The results expressed in the datasheet are taken as mean loads from a range of empirical tests and are ultimate unfactored loads. Each specifier or end user should make his/ her own decision on what safety factors to use relevant to their design application (such as BS 5950, EN 1991, etc).

Errors and Omissions Excepted.



ABOUT OUR TESTING



7485

All test results were derived from empirical testing performed by ETAS (Evolution Testing & Analytical Services), a UKAS (United Kingdom Accreditation Service) accredited testing laboratory (Accreditation No. 7485). The following tests were performed to the following standards.

Testing Procedures

Test/ Parameter	Standard/ Method/ Procedure
Ultimate Tensile	ISO 6892-1: 2009 <i>"Metallic materials – tensile testing – Part 1: Method of test at room temperature".</i>
Ultimate Shear	MIL-STD-1312-13 <i>"Military Standard: Fastener test method (Method 13) Double shear test".</i>
Pull Out (Withdrawal Force)	EN 14566: 2009 <i>"Mechanical fasteners for gypsum plasterboard systems. Definitions, requirements and test methods".</i>
Pull Over	EN 14592: 2008 <i>"Timber structures. Dowel type fasteners. Requirements".</i>
Hardness	ISO 650 7-1: 2005 <i>"Metallic materials – Vickers hardness test – Part 1: Test method".</i>
Corrosion Resistance	EN ISO 9227: 2012 <i>"Corrosion tests in artificial atmospheres. Salt spray tests".</i>
Drilling Time Test	EN 14566: 2009 <i>"Mechanical fasteners for gypsum plasterboard systems. Definitions, requirements and test methods".</i>

Laboratory Contact Details

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