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# PRODUCT DATASHEET

## A2 STAINLESS STEEL DOME HEAD SCREW

### Product Details

Designed for: *Fixing to aluminium substrates*  
 Head style: *Dome head, low profile*  
 Drive bit: *Torx 25*  
 Thread form: *Single coarse thread*  
 Drill point: *TEK 3*  
 Material grade: *A2 stainless steel*

### Metal framing tek screw range

Product Code	Size	Drill Point	Effective Thread Length	Drilling Capacity	Head style	Aluminium Thickness
SSLP4.8-19-3	4.8x19mm	TEK 3	FULL	1.2 – 4.0mm	Dome	1.2 – 4.0mm

### Technical Data

Hardness Rating (Vickers scale)		
Diameter	Surface Hardness	Core Hardness
4.8mm	341.2 HV0.3	202.4 HV0.3

Ultimate Mechanical Performance		
Diameter	Tensile Strength	Shear Strength
4.8mm	7.9kN	5.0kN

TEK 3 range – Unfactored pull out values							
Diameter	Drill point	Steel Thickness					
		1.5mm	2.0mm	2.5mm	3.0mm	3.5mm	4.0mm
4.8mm	TEK 3	0.8kN	1.2kN	1.5kN	1.9kN	2.0kN	2.6kN

**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).



# ABOUT OUR TESTING



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.



**7485**

## Testing Procedures

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

### Laboratory Contact Details

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