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PRODUCT DATASHEET

BI-METAL HALTER CLIP SCREW

Product Details

Designed for:	<i>Fixing halter brackets where a stainless steel option is required</i>
Head style:	<i>Hexagonal</i>
Drive bit:	<i>5/16" hexagonal</i>
Thread form:	<i>Coarse</i>
Shank material:	<i>Stainless steel</i>
Material grade:	<i>AISI A304</i>
Coating:	<i>Electroplated zinc</i>
Recommended drill speed:	<i>1500-2500RPM</i>

Bi-metal wing drill tek screw range – for light steel

Product Code	Size	Drill point	Drilling Capacity	Washer	Steel thickness
BMTSHF6.3-38-2	6.3 x 38.0mm	Tek 2	0.8 – 2.5mm	16mm \varnothing bonded EPDM	0.8 – 2.5mm

Technical Data

Hardness Rating (Vickers scale)		
Diameter	Surface Hardness	Core Hardness
6.3mm	420.0 HV0.3	360.0 HV0.3

Unfactored mechanical performance		
Diameter	Tensile strength	Shear strength
6.3mm	15.3kN	11.0kN

Bi-metal halter clip screw – unfactored pull out values				
Diameter	Drill point	Steel Thickness		
		1.2mm	1.5mm	2.5mm
6.3mm	Tek 2	1.8kN	3.2kN	5.2kN

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.

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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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