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PRODUCT DATASHEET

DOME-HEAD (WASHERED) STITCHING SCREWS

Product Details

Designed for: *Fixing components, brackets and miscellaneous hardware to light gauge steel substrates where a low profile or anti-snag head is required. Also suitable where dissimilar metals are being used or superior corrosion resistance is required.*

Head style: *12mm \varnothing low profile (3.18mm dome head)*

Drive: *Torx 25 female drive recess*

Thread form: *Coarse thread (pitch = approx.. 1.8mm)*

Drill point: *Tek 2*

Material grade: *SAE C1022 carbon steel – drilling point
 AISI 304/EN 1.4301 (A2) stainless steel – shank and head*

Washer: *12mm vulcanised EPDM with stainless steel compression disc*

Recommended drill speed: *1500 – 2500RPM*

Coating: *5 μ m electroplated zinc*

Dome-head (Washed) stitching screw range

Product Code	Size	Box quantity	Carton quantity
BMDH5.5-25-2	5.5 x 25.0mm	200	2,000
BMDH5.5-38-2	5.5 x 38.0mm	200	2,000
BMDH5.5-60-2	5.5 x 60.0mm	100	2,000

Technical Data

Hardness Rating (Vickers scale)		
Diameter	Surface Hardness	Core Hardness
5.5mm	586.1 HV0.3	463.3 HV0.3

Ultimate mechanical performance		
Diameter	Tensile Strength	Shear Strength
5.5mm	10.4kN	8.2kN

Unfactored pull out loads				
Diameter	Drill point	Steel Thickness		
		0.6mm	1.2mm	2.5mm
5.5mm	Tek 2	1.1kN	2.5kN	5.7kN

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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