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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 ⍉ 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:	*5µm electroplated zinc*

Dome-head (Washered) 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
BMDH5.5-50-2	5.5 x 50.0mm	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

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

Laboratory Contact Details

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