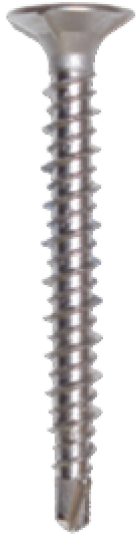




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PRODUCT DATASHEET

BI-METAL DRYWALL SCREWS

Product Details

Designed for:	<i>Fixing plaster board (and cementitious boards) to steel track and timber substrates in humid atmospheres</i>
Head style:	<i>Double countersunk with nibs</i>
Drive bit:	<i>Phillips No. 2</i>
Shank/ Head Material:	<i>SAE 304 Stainless Steel (Euro Nomenclature = A2 Stainless Steel)</i>
Point Material:	<i>SAE C1022 Carbon Steel (Hardened)</i>
Thread From:	<i>Hi – Lo</i>
Drilling Point:	<i>TEK 2</i>
Effective Thread Length:	<i>Fully Threaded</i>

Bi-metal Drywall Screw Range

Product Code	Size (mm)	Box Quantity	Carton Quantity	Fixture thickness (mm)	Steel Thickness (mm)	Drill Speed (rpm)
BMDW4.8-32	4.8 x 32.0	200	4,800	0.0 – 22.0	0.70 – 2.50	0.0 – 2500.0
BMDW4.8-42	4.8 x 42.0	200	4,800	0.0 – 32.0	0.70 – 2.50	0.0 – 2500.0
BMDW4.8-50	4.8 x 50.0	200	4,800	0.0 – 40.0	0.70 – 2.50	0.0 – 2500.0
BMDW4.8-70	4.8 x 70.0	200	4,800	0.0 – 60.0	0.70 – 2.50	0.0 – 2500.0

Technical Data

Ultimate Pull Out Loadings (kN)						
Steel Substrates (S275 JR Mild Steel)						
Major Diameter	Steel Thickness (mm)					
4.8 mm	0.70	1.00	1.20	1.50	2.00	2.50
	1.10 kN	1.20 kN	1.60 kN	1.80 kN	2.20 kN	3.60 kN
Timber Substrates						
Major Diameter	Timber Grade	Embedment Depth (mm)		Load (kN)		
4.8 mm	C16 (soft wood)	27.0		2.60		
		35.0		3.00		
Masonry Substrates						
Major Diameter	Masonry Grade	Embedment Depth (mm)		Load (kN)		
4.8 mm	7N Aerated Concrete (Breeze Block)	35.0		0.8		

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



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 <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>

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