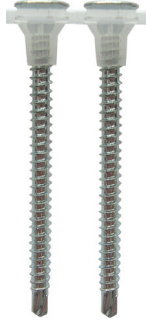




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PRODUCT DATASHEET

COLLATED SELF-DRILLING DRYWALL SCREW

Product Details

Designed for:	Fixing plasterboard to heavier gauge drywall track (up to 2.5mm)
Head style:	Bugle
Drive bit:	Phillips 2
Drill point:	Tek 1
Thread form:	Single thread, fine
Coating:	Electroplated zinc
Shank material:	Carbon steel
Material grade:	AISI C1022
Fire tested:	Yes, to EN1364-1
Effective thread length:	Fully threaded



Collated self drilling drywall range

Product Code	Size	Recommended drill speed	Steel thickness	Fixture thickness
CDWFDZ25	3.5 x 25.0mm	3000-4000RPM	0.8-2.5mm	12.0mm
CDWFDZ35	3.5 x 35.0mm	3000-4000RPM	0.8-2.5mm	20.0mm
CDWFDZ45	3.5 x 45.0mm	3000-4000RPM	0.8-2.5mm	30.0mm
CDWFDZ50	3.5 x 50.0mm	3000-4000RPM	0.8-2.5mm	35.0mm

Technical Data

Ultimate pull out values				
Diameter	Substrate thickness			
	0.6mm	1.2mm	1.8mm	2.0mm
3.5mm	0.5kN	1.4kN	1.9kN	2.7kN

Ultimate Mechanical Performance		
Diameter	Tensile Strength	Shear Strength
3.5mm	8.0kN	5.0kN

Hardness values	
Surface hardness	Core hardness
640.0HV	445.0HV

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 "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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