



Evolution Fasteners (UK) Ltd
 Units 2A & 2B Clyde Gateway Trade Park
 Dalmarnock Road, Rutherglen, Glasgow G73 1AN
 Tel: +44 (0)141 647 7100 / Fax: +44 (0)141 647 5100
 Email: technical@evolutionfasteners.co.uk



www.evolutionfasteners.co.uk

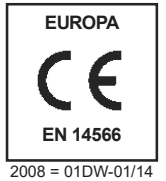


PRODUCT DATASHEET

WAFER HEAD SELF-DRILL DRYWALL SCREW

Product Details

Designed for: *The assembly of drywall track and ceiling track systems*
 Head style: *Wafer head*
 Drive bit: *Phillips 2*
 Thread form: *Single*
 Coating: *Electroplated zinc*
 Shank material: *Carbon steel*
 Material grade: *AISI C1022*
 Fire tested: *Yes, to EN-1364-1*



Wafer Head Self-Drill Drywall Range

Product Code	Size	Drill Point	Drilling Capacity	Effective Thread Length
WHDZ13	4.2 x 13.0mm	Sharp	0.5 – 1.0mm	8.0mm
WHDZ16	4.2 x 16.0mm	Sharp	0.5 – 1.0mm	11.0mm
WHSDZ12	4.2 x 12.0mm	Tek 2	0.8 – 2.5mm	8.0mm
WHSDZ19	4.2 x 19.0mm	Tek 2	0.8 – 2.5mm	10.0mm
WHSDZ25	4.2 x 25.0mm	Tek 2	0.8 – 2.5mm	18.0mm
WHSDZ50	4.2 x 50.0mm	Tek 2	0.8 – 2.5mm	45.0mm
WHSDZ4850	4.8 x 50.0mm	Tek 2	0.8 – 2.5mm	45.0mm
WHSDZ4860	4.8 x 60.0mm	Tek 2	0.8 – 2.5mm	55.0mm
WHSDZ4870	4.8 x 70.0mm	Tek 2	0.8 – 2.5mm	65.0mm
WHSDZ4880	4.8 x 80.0mm	Tek 2	0.8 – 2.5mm	75.0mm
WHSDZ4890	4.8 x 90.0mm	Tek 2	0.8 – 2.5mm	85.0mm
WHSDZ48100	4.8 x 100.0mm	Tek 2	0.8 – 2.5mm	95.0mm

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.



Technical Data

Hardness Rating (Vickers scale)		
Diameter	Surface Hardness	Core Hardness
4.2mm	600.0HV	450.0HV
4.8mm	540.0HV	458.0HV

Ultimate mechanical performance		
Diameter	Tensile Strength	Shear Strength
4.2mm	9.5kN	6.1kN
4.8mm	13.7kN	9.8kN

Ultimate pull out values				
Diameter	Drill Point	Steel Thickness		
		1.2mm	1.8mm	2.5mm
4.2mm	Tek 2	1.6kN	2.2kN	4.2kN
4.8mm	Tek 2	1.8kN	3.7kN	4.8kN

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).

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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 <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

Evolution Testing & Analytical Services

Units 2A & 2B Clyde Gateway Trade Park
Dalrnock Road
Rutherglen
South Lanarkshire
G73 1AN

T: (0141) 643 4125

F: (0141) 647 5100

E: sales@etasuk.com