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PRODUCT DATASHEET

STEEL CEILING ANCHOR

Product Details

<i>Designed for:</i>	Use with angle brackets in concrete ceilings where regulations dictate all steel anchors should be used for overhead fixings.
<i>Head style:</i>	Flat
<i>Coating:</i>	Passivated zinc
<i>Shank material:</i>	Carbon steel
<i>Material grade:</i>	AISI C1022
<i>Drill diameter:</i>	6.0mm
<i>Pilot hole:</i>	6.0mm
<i>Min. drill depth:</i>	30.0mm
<i>Fixture thickness</i>	5.0mm
<i>Fire tested:</i>	Yes, to EN1364-1
<i>Installation distance from edge:</i>	28mm at a reduced load 50mm stated loadings



Steel ceiling anchor product range

Product Code	Size
EVDBZ635	M6 x 35.0mm
EVDBZ640	M6 x 40.0mm
EVDBZ665	M6 x 65.0mm

Technical Data

Ultimate pull out values		
Concrete Grade		
C20	C30	C40
5.2kN	6.1kN	7.9kN

Ultimate Mechanical Performance	
Tensile Strength	Shear Strength
14.5kN	9.5kN

Hardness values	
Surface hardness	Core hardness
300.0HV	250.0HV

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



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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