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PRODUCT DATASHEET
SUPERTEK 6

Product Details

Designed for:	*Fixing steel to steel*
Head style:	*Hexagonal*
Drive:	*5/16th hexagonal*
Thread form:	*24tpi fine thread, 'V' fluted*
Drill point:	*Tek 6 spiral point*
Shank material:	*Carbon steel*
Material grade:	*SAE C1022*
Coating:	*1000Hr Evoshield®*
Washer:	*16mm ⦸ bonded EPDM*
Recommended drill speed:	*1500 - 2500 RPM*
Steel thickness:	*4.0mm – 18.0mm*

SuperTek 6 range – for heavy steel

Product Code	Size	Box Quantity	Carton Quantity
TSBW5.5-38-6	5.5 x 38.0mm	200	2,800

Technical Data

Hardness Rating (Vickers scale)		
Diameter	**Surface Hardness**	**Core Hardness**
5.5mm	684.9 HV0.3	483.8 HV0.3

Ultimate Mechanical Performance		
Diameter	**Tensile Strength**	**Shear Strength**
5.5mm	12.8kN	8.5kN

Tek 6 range – Unfactored pull out values							
Diameter	**Drill point**	**Steel Thickness**					
		4.0mm	**6.0mm**	**8.0mm**	**10.0mm**	**15.0mm**	**18.0mm**
5.5mm	Tek 6	3.9kN	6.8kN	10.2kN	12.4kN	16.5kN	18.3kN

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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