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PRODUCT DATASHEET
SUPERTEK 8

CERTIFIED LR ISO 9001

Product Details

Designed for:	*Fixing steel to steel*
Head style:	*Hexagonal*
Drive bit:	*5/16" hexagonal*
Drill point:	*Tek 8 spiral point*
Thread form:	*Single, 14 threads per inch intermediate thread 'V' fluted*
Coating:	*1000hr Evoshield®*
Shank material:	*Carbon steel*
Material grade:	*AISI C1022*
Recommended drill speed:	*1500-2500 RPM*
Steel thickness:	*4.0 – 22.0mm*

SuperTek 8 Range – For Heavy Steel

Product Code	Size	Effective thread length	Drilling capacity
TSHW6.3-60-8	6.3 x 60.0 mm	FULLY THREADED	3.5 – 22.0 mm
TSHW6.3-100-8	6.3 x 100.0 mm	FULLY THREADED	3.5 – 22.0 mm

Technical Data

Hardness Rating (Vickers scale)		
Diameter	**Surface Hardness**	**Core Hardness**
6.3mm	373.0HV	600.0HV

Unfactored Mechanical Performance		
Diameter	**Tensile Strength**	**Shear Strength**
6.3mm	18.7kN	12.0kN

Tek 8 range – Unfactored pull out values							
Diameter	**Drill point**	**Steel Thickness**					
		4.0mm	**6.0mm**	**8.0mm**	**10.0mm**	**15.0mm**	**20.0mm**
6.3mm	Tek 8	5.7kN	8.9kN	10.9kN	14.3kN	17.6kN	21.5kN

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.

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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** *"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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