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PRODUCT DATASHEET WASHERED SUPERTEK 7 Product Details

Designed for: Head style: Drive bit: Drill point: Thread form: Coating: Shank material: Material grade: Recommended drill speed: Steel thickness:

Fixing steel to steel Hexagonal 5/16" hexagonal Tek 7 spiral point Single, 24 threads per inch fine thread 'V' fluted 1000hr Evoshield® Carbon steel AISI C1022 1500-2500 RPM 3.5 – 18.5mm



SuperTek 7 Range – For Heavy Steel

Product Code	Size	Washer	Effective thread length	Drilling capacity	
TSBW5.5-50-7	5.5x50mm	16mmø bonded EPDM	FULLY THREADED	3.5-18.5mm	

Technical Data

Hardness	Rating (Vick	Rating (Vickers scale)			Ultimate Mechanical Performance			
Diameter	Surface Hardness	Core Hardness		Diameter	Tensile Strength	Shear Strength		
5.5mm	372.0HV	580.0HV		5.5mm	13.9kN	10.3kN		

Tek 7 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 7	4.1kN	6.9kN	11.3kN	13.5kN	16.6kN	19.7kN

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.

Testing Procedures



7485

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)</i> <i>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 "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 <i>"Mechanical fasteners for gypsum plasterboard systems. Definitions, requirements and test methods".</i>
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