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# PRODUCT DATASHEET

## TORX 30 SELF-TAPPING CONCRETE SCREW WITH CSK HEAD DATASHEET

### Product Details

Designed for: *Fixing wood, metal or PVCu frames to masonry*  
 Head style: *Countersunk*  
 Thread form: *Single coarse 'V' fluted*  
 Drill point: *Sharp point*  
 Material grade: *Carbon steel*  
 Coating: *Yellow passivated zinc*

### Metal framing tek screw range

Product Code	Size	Drill point	Effective thread length	Head style
STCS62	7.5x62mm	Sharp	Fully threaded	Countersunk
STCS72	7.5x72mm			
STCS82	7.5x82mm			
STCS92	7.5x92mm			
STCS102	7.5x102mm			
STCS112	7.5x112mm			
STCS122	7.5x122mm			
STCS132	7.5x132mm			
STCS152	7.5x152mm			
STCS162	7.5x162mm			
STCS182	7.5x182mm			
STCS202	7.5x202mm			
STCS212	7.5x212mm			

### Technical Data

Ultimate pull out values (C35 grade concrete)			
Diameter	Drill point	Embedment depth (mm)	
		35	45
7.5mm	Sharp	11.7kN	13.4kN

Hardness Rating (Vickers scale)		
Diameter	Surface Hardness	Core Hardness
7.5mm	589.5HV0.3	454.1HV0.3

Ultimate Mechanical Performance		
Diameter	Tensile Strength	Shear Strength
7.5mm	30.5kN	19.9kN

**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	<b>ISO 6892-1: 2009</b> "Metallic materials – tensile testing – Part 1: Method of test at room temperature".
Ultimate Shear	<b>MIL-STD-1312-13</b> "Military Standard: Fastener test method (Method 13) Double shear test".
Pull Out (Withdrawal Force)	<b>EN 14566: 2009</b> "Mechanical fasteners for gypsum plasterboard systems. Definitions, requirements and test methods".
Pull Over	<b>EN 14592: 2008</b> "Timber structures. Dowel type fasteners. Requirements".
Hardness	<b>ISO 650 7-1: 2005</b> "Metallic materials – Vickers hardness test – Part 1: Test method".
Corrosion Resistance	<b>EN ISO 9227: 2012</b> "Corrosion tests in artificial atmospheres. Salt spray tests".
Drilling Time Test	<b>EN 14566: 2009</b> "Mechanical fasteners for gypsum plasterboard systems. Definitions, requirements and test methods".

### Laboratory Contact Details

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