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# PRODUCT DATASHEET

## WOODMASTER™

### STRUCTURAL TRUSS SCREW

#### Product Details

Designed for: *Fastening multi-ply wood members, such as, plated trusses, engineered timber products and solid sawn timbers*

Head style: *Truss head with torx 40 recess*

Coating: *Electroplated zinc with di-chromate passivation*

Material: *Carbon steel (C1002 grade)*

#### Big Beam product range

Product Code	Size	Drill point	Box Quantity	Carton Quantity
BB880	8.0x80mm	Type 17	8	100
BB8100	8.0x100mm		12	50
BB8120	8.0x120mm		12	50
BB8140	8.0x140mm		8	50
BB8160	8.0x160mm		8	50
BB8180	8.0x180mm		8	50
BB8200	8.0x200mm		8	50
BB8220	8.0x220mm		8	50
BB8240	8.0x240mm		8	50
BB8260	8.0x260mm		6	50
BB8280	8.0x280mm		6	50
BB8300	8.0x300mm		6	50

#### Technical Data

Hardness Rating (Vickers scale)		
Diameter	Surface Hardness	Core Hardness
8.0mm	652.6 HV0.3	480.1 HV0.3

Un-factored Mechanical Performance		
Diameter	Tensile Strength	Shear Strength
8.0mm	28.4kN	19.6kN

**NOTE:** The results expressed in the datasheet are taken as mean loads from a range of empirical tests and are ultimate un-factored 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).



## Technical Data continued...

Ultimate pull out values from timber			
Major Diameter	Timber Grade	Embedment depth	Load
		35.0mm	4.4kN
8.0mm	C16	50.0mm	6.9kN

# 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	<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

#### Evolution Testing & Analytical Services

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