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# PRODUCT DATASHEET

## GASH POINT TEK SCREW

### Product Details

Designed for: *Fixing profile metal sheets to timber purlins*  
Head style: *Hexagonal*  
Drive bit: *5/16" hexagonal*  
Thread form: *Twin*  
Shank material: *Carbon steel*  
Drill point: *Gash point*  
Material grade: *AISI C1022*  
Coating: *Zinc*  
Washer: *16mmø bonded EPDM*



### Composite panel fastener range – for light steel

Product Code	Size	Washer	Drilling Capacity	Recommended drill speed
TSBW6.3-25-GP	6.3x25mm	16mm ø bonded EPDM	0.5 – 1.2mm	1500-2500 RPM
TSBW6.3-32-GP	6.3x32mm	16mm ø bonded EPDM	0.5 – 1.2mm	1500-2500 RPM
TSBW6.3-45-GP	6.3x45mm	16mm ø bonded EPDM	0.5 – 1.2mm	1500-2500 RPM
TSBW6.3-60-GP	6.3x60mm	16mm ø bonded EPDM	0.5 – 1.2mm	1500-2500 RPM
TSBW6.3-80-GP	6.3x80mm	16mm ø bonded EPDM	0.5 – 1.2mm	1500-2500 RPM
TSBW6.3-100-GP	6.3x100mm	16mm ø bonded EPDM	0.5 – 1.2mm	1500-2500 RPM
TSBW19-6.3-32- GP	6.3x32mm	19mm ø bonded EPDM	0.5 – 1.2mm	1500-2500 RPM
TSBW19-6.3-45- GP	6.3x45mm	19mm ø bonded EPDM	0.5 – 1.2mm	1500-2500 RPM

### Technical Data

Hardness Rating (Vickers scale)		
Diameter	Surface Hardness	Core Hardness
6.3mm	599.0HV	472.0HV

Ultimate Mechanical Performance		
Diameter	Tensile Strength	Shear Strength
6.3mm	24.8kN	14.9kN

Ultimate pull out values			
Diameter	Drill point	Steel Thickness	
		0.6mm	1.2mm
6.3mm	Gash point	1.1kN	3.2kN

**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



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

## Laboratory Contact Details

## Evolution Testing & Analytical Services

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