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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: *16/19mmø bonded EPDM*
Minimum Recommended Timber Embedment: 35mm



Gash Point TEK Screw Range

Product Code	Size	Washer	Drilling Capacity	Recommended drill speed
ZGP25	6.3x25mm	16mm ø bonded EPDM	0.5 – 1.2mm	1500-2500 RPM
ZGP32	6.3x32mm	16mm ø bonded EPDM	0.5 – 1.2mm	1500-2500 RPM
ZGP45	6.3x45mm	16mm ø bonded EPDM	0.5 – 1.2mm	1500-2500 RPM
ZGP60	6.3x60mm	16mm ø bonded EPDM	0.5 – 1.2mm	1500-2500 RPM
ZGP80	6.3x80mm	16mm ø bonded EPDM	0.5 – 1.2mm	1500-2500 RPM
ZGP100	6.3x100mm	16mm ø bonded EPDM	0.5 – 1.2mm	1500-2500 RPM
ZGP19-25	6.3x25mm	19mm ø bonded EPDM	0.5 – 1.2mm	1500-2500 RPM
ZGP19-32	6.3x32mm	19mm ø bonded EPDM	0.5 – 1.2mm	1500-2500 RPM
ZGP19-45	6.3x45mm	19mm ø bonded EPDM	0.5 – 1.2mm	1500-2500 RPM
ZGP19-60	6.3x60mm	19mm ø bonded EPDM	0.5 – 1.2mm	1500-2500 RPM
ZGP19-80	6.3x80mm	19mm ø bonded EPDM	0.5 – 1.2mm	1500-2500 RPM
ZGP19-100	6.3x100mm	19mm ø bonded EPDM	0.5 – 1.2mm	1500-2500 RPM

Technical Data

Hardness Rating (Vickers scale)			Ultimate Mechanical Performance		
Diameter	Surface Hardness	Core Hardness	Diameter	Tensile Strength	Shear Strength
6.3mm	599.0HV	472.0HV	6.3mm	24.8kN	14.9kN

Ultimate pull out values				
Diameter	Drill point	Steel Thickness		
		0.6mm	1.2mm	C16 Timber
6.3mm	Gash point	1.2kN	2.9kN	1.7kN

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).

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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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