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PRODUCT DATASHEET HALTER CLIP SCREWS

Product Details

Designed for:FixilHead style:HeadDrive bit:5/1Thread form:CoadShank material:CandMaterial grade:A/SCoating:500Recommended drill speed:150

Fixing halter brackets Hexagonal 5/16" hexagonal Coarse Carbon steel AISI C1022 500 hour Evoshield 1500 – 2500 RPM

Halter clip screw range

| Product Code | Size | Drill point | Drilling Capacity | Washer | Steel thickness |
|--------------|--------------|----------------|----------------------|-------------------|--------------------|
| TSHF6.3-38-2 | 6.3 x 38.0mm | Tek 2 | 0.8 – 2.5mm | 16mms bonded EPDM | 0.8 – 2.5mm |
| TSHF6.3-50-2 | 6.3 x 50.0mm | Tek 2 | 0.8 – 2.5mm | 16mm bonded EPDM | 0.8 – 2.5mm |

Technical Data

| Hardness Rating (Vickers scale) | | | Unfactored Mechanical Performance | | |
|---------------------------------|---------------------|------------------|-----------------------------------|---------------------|-------------------|
| Diameter | Surface Hardness | Core Hardness | Diameter | Tensile Strength | Shear Strength |
| 6.3mm | 576.0 HV0.3 | 450.0 HV0.3 | 6.3mm | 20.5kN | 14.9kN |

| Halter clip screw – Unfactored pull out values | | | | | |
|--|-------------|-----------------|-------|-------|--|
| Diameter | Drill point | Steel Thickness | | | |
| | | 1.2mm | 1.5mm | 2.5mm | |
| 6.3mm | Tek 2 | 2.7kN | 4.4kN | 7.5kN | |

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 "Metallic materials – tensile testing – Part 1: Method of test at room temperature". | | |
| 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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