

## Product Technical Data Sheet

### M6 Hex Head Gx Frame TekS Screw with Climaseal 3

Part Number	Description	Pack Qty	Pallet Qty
6-371-0002-2CS	M6 x 1 x 22 Hex Head GX TekS Climaseal 3	500 / 1500	108,000

#### Application:

Buildex® M6 Hex Head Gx Frame TekS® Screw is used for the assembly of steel roof trusses, floor trusses.

The product does not require a pre punched hole but can be used with pre punched holes  $\varnothing$  5,0 mm or smaller.

Used as companion screws in roof and floor trusses.

#### Features:

Underhead serrations

GX Thread Feature

M6 Thread

Teks Point

#### Benefits:

Higher resistance to loosening and a higher strip torque.

Ensures maximum pullout strength and a higher strip torque.

High single shear and torsional strength.

Does not require a pre-punched hole.

#### Installation Instructions:

1. Use a 5/16 Hex Head Driver Bit
2. Use a mains powered or cordless screw driver with a 3,000 RPM maximum.
3. Fit the Hex Head driver bit over the screw and place at the fastening position.
4. Apply consistently firm pressure (end load) to the screw driver until the screw has fastened.

**Material:** Carbon Steel SAE 1022 | **Heat Treatment:** To AS 3566.1 | **Finish:** Climaseal 3®

#### Mechanical Properties:

Single Shear Strength (Newton) 12,400 | Torsion Strength 16.0 Newton-metre | Tensile Strength (N) 19,500

#### Pullout Values (Newton) into steel frame section (MM):

Steel Frame Section 0.75 mm : 1,785 | Steel Frame Section 1.00 mm : 2,835 | Steel Frame Section 1.20 mm : 3,545

#### Thread Forming and Seating Torque Values (Newton-metre) into steel frame section (MM):

Steel Frame Section 2 x 0.75 with a hole size of  $\varnothing$ 5.0mm: Thread Forming Torque 3.5 / Seating Torque 11.0

Steel Frame Section 2 x 1.00 with a hole size of  $\varnothing$ 5.2mm hole): Thread Forming Torque 4.0 / Seating Torque 12.10

Steel Frame Section 2 x 1.20: with a hole size of  $\varnothing$ 5.2mm: Thread Forming Torque 4.5 / Seating Torque 12.10

All values are averages obtained under laboratory conditions and appropriate safety factors should be applied for design purposes.

These figures are applicable to Buildex® head marked product only.

#### Recommended Material Thickness:

Steel Section 0.55 mm x 2 | Steel Section 0.75 mm x 2 | Steel Section 1.00 mm x 2

Steel Section 1.20 mm

#### Corrosion Performance:

Climaseal 3 Fasteners are suitable for use in Category 3 corrosive environments as described in ISO 9223-2012 and AS4312-2008