Product Technical Data Sheet

M6 Smooth Top Gx Frame Teks Screw with Ezi-Coat

Part Number	Description	Pack Qty	Pallet Qty
6-371-0005-5MP	M6 x 18 Smooth Top GX Frame Teks Ezi-Coat	1000 / 3000	216,000

Application:
Buildex® M6 Smooth Top Gx Frame Teks® Screw is used for the assembly of steel roof trusses, floor trusses and steel wall frames.

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

Used as companion screws in roof and floor trusses.

Features:	**Benefits:**
Underhead serrations	Higher resistance to loosening and a higher strip torque.
GX Thread Feature	Ensures maximum pullout strength and a higher strip torque.
M6 Thread	High single shear and torsional strength.
Teks Point	Does not require a pre-punched hole.

Installation Instructions:
1. Use the number 3 Phillips Cross Recess Driver Bit (6-991-0395)
2. Use a mains powered or cordless screw driver with a 2,500 RPM speed.
3. Fit the Phillips driver bit into 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:** Ezi-Coat®
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 Ø5.0mm: Thread Forming Torque 3.5 / Seating Torque 11.0

Steel Frame Section 2 x 1.00 with a hole size of Ø5.2mm hole): Thread Forming Torque 4.0 / Seating Torque 12.10

Steel Frame Section 2 x 1.20: with a hole size of Ø5.2mm: 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.

Corrosion Performance:
Ezi-Coat® Fastener are suitable for use in Catergory 3 corrosive environments as described in ISO 9223-2012 and AS4312-2008

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

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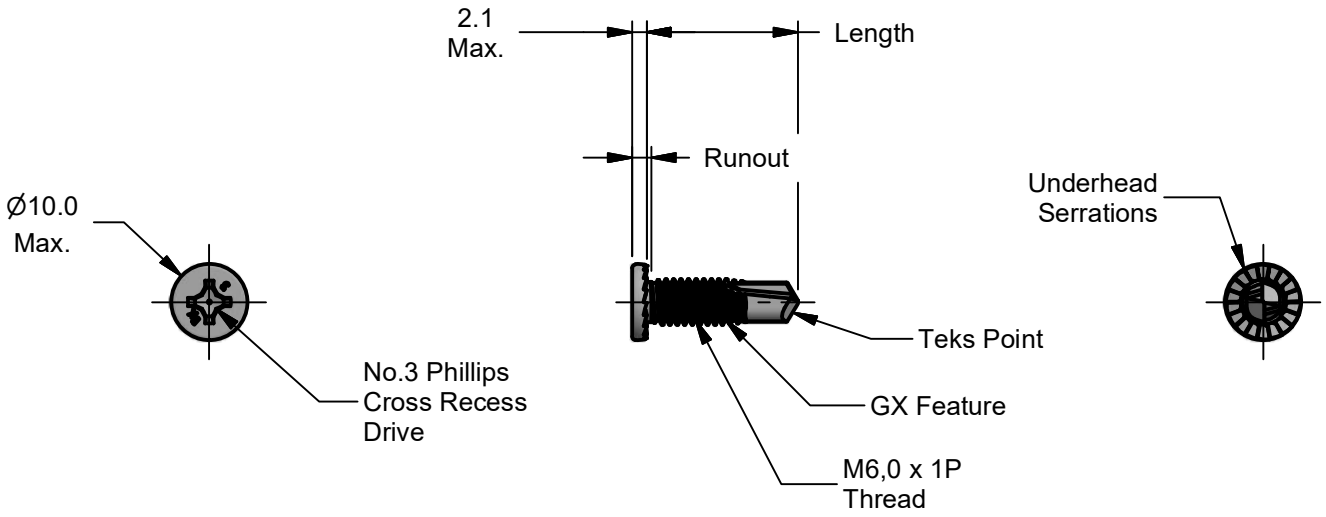

Part Number	Description	Length	Runout
6-371-0005-5MP	M6 x 18 Smooth Top GX Frame Teks Ezi-Coat	16.5 / 18.0	1.0 Max.

All dimensions nominal unless otherwise stated. Normal manufacturing tolerances apply. All dimensions in millimeters. Third Angle Projection. Scale Full Size

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