

Product Technical Data Sheet

M6 x 16 Smooth Top Gx Frame Screw Ezi-Coat

Part Number	Description	Pack Qty	Pallet Qty
6-201-0021-1MP	M6 x 15 Smooth Top Gx Frame Screw Ezi-Coat	1000 / 3000	216,000

Application:

Buildex® M6 Gx Frame Screw is used for the assembly of steel trusses and steel wall frames which have pre-punched holes.

Features:

Underhead serrations
GX® Thread Feature
M6 Thread
Ca 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.
Easy to align and start.

Installation Instructions:

1. Use the number 3 Phillips Cross Recess Driver Bit (Buildex® Part Number 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 (N) 12,400 | Torsion Strength 16.0 N-m | Tensile Strength (N) 19,500

Pullout Values (N) into steel frame section (MM) | Hole Sizes Nominal Punch Hole Diameter:

Steel Frame Section 0.60 mm : 1,070 | Steel Frame Section 0.75 mm : 1,785 | Steel Frame Section 1.00 mm : 2,835
Steel Frame Section 1.20 mm : 3,545 | Steel Frame Section 1.50 mm : 3,550

Thread Forming and Seating Torque Values (Nm) 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:

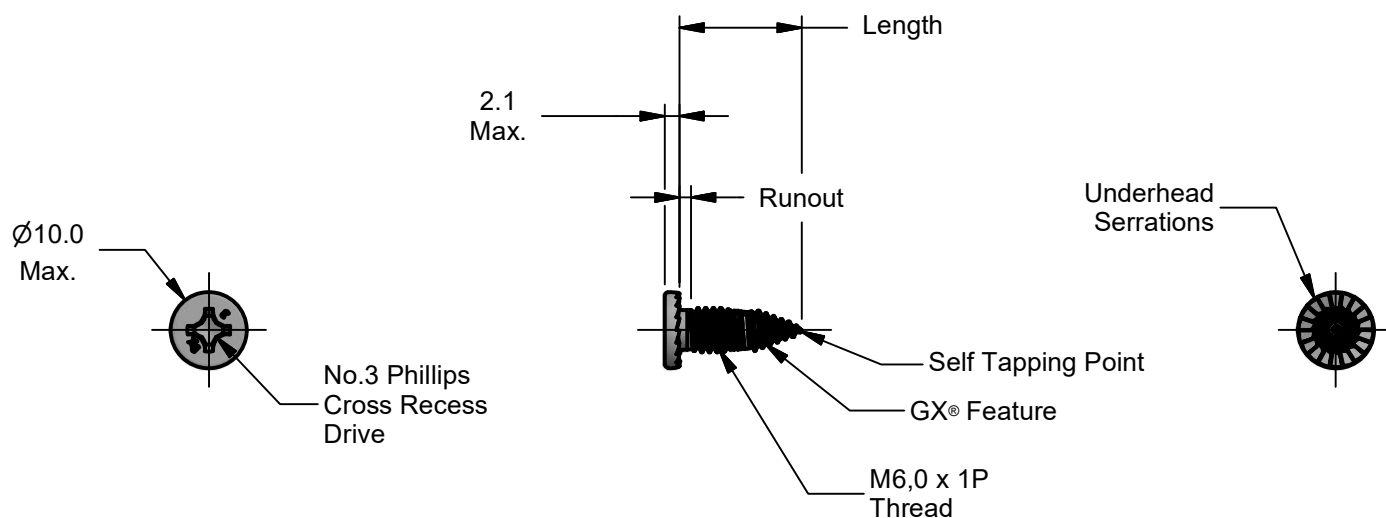
Ezi-Coat® Screws are suitable for ISO 9223-2012 Category 3

Recommended Punched Hole Sizes (MM):

Steel Section 0.55 x 2: punch hole diameter 4.7 / 4.9 | Steel Section 0.75 x 2: punch hole diameter 5.0 / 5.2
Steel Section 1.00 x 2: punch hole diameter 5.2 / 5.3 | Steel Section 1.20 x 2 punch hole diameter 5.3 / 5.4
Steel Section 1.50 x 2 punch hole diameter 5.5 / 5.6

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Part Number	Description	Length	Runout
6-201-0021-1MP	M6 x 15 Smooth Top Gx Frame Screw Ezi-Coat	14.5 / 16.0	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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