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:	**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.
Ca Point	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-Drive

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.

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

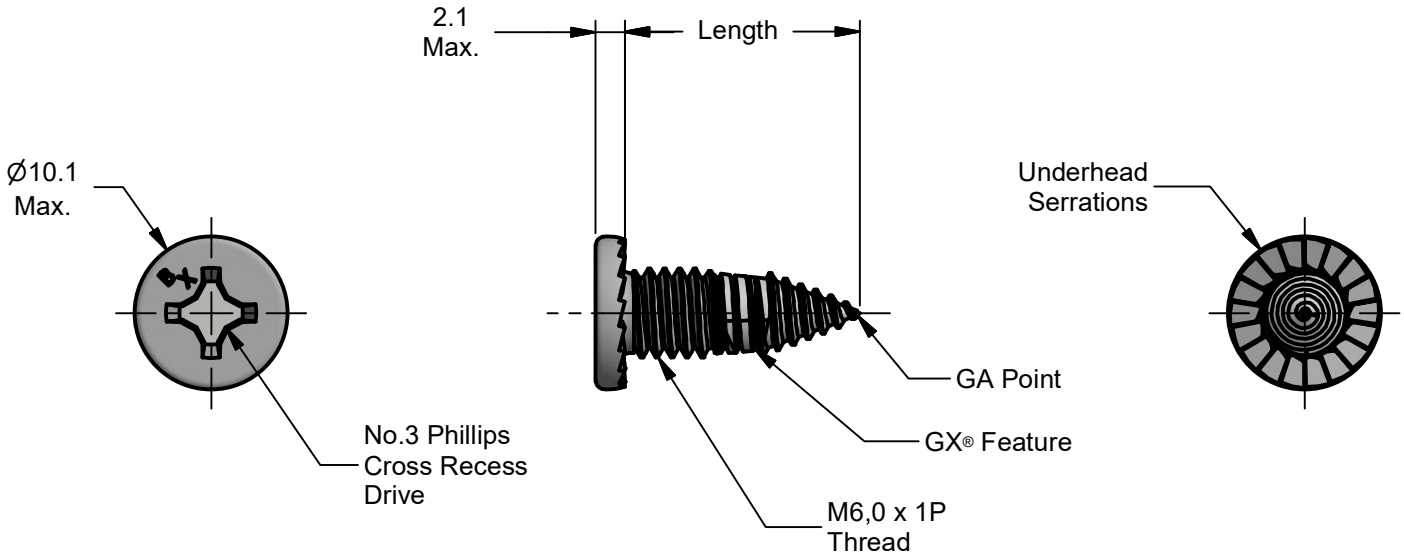
Corrosion Performance:

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

Whilst every care was taken in preparation of this guide, Buildex® accepts no responsibility for the accuracy of the information supplied. Copyright 2011. The contents of this document are the exclusive copyright of Buildex® and may not be reproduced without written permission.

Product Technical Data Sheet

M6 x 16 Smooth Top Gx Frame Screw Ezi-Coat



Description	Length
M6 x 1P x 15 Smooth Top Gx Ca Frame Screw	14.8 / 15.2

All dimensions nominal unless otherwise stated. Normal manufacturing tolerances apply.

Buildex® Head Office
600 South Road
Moorabbin Victoria 3189
Australia

1300 368 101
CustomerService-MBN@buildex.com.au

Technical Help Desk
Technicalhelpdesk@buildex.com.au

Whilst every care was taken in preparation of this guide, Buildex® accepts no responsibility for the accuracy of the information supplied. Copyright 2017. The contents of this document are the exclusive copyright of Buildex® and may not be reproduced without written permission.