

Product Technical Data Sheet

M6.0 x 15 GX Ca Smooth Top Steel Frame and Truss Screw

Part Number	Description	Pack Qty	Pallet Qty
6-201-0021-1MP	M6 x 15 Cx Ca Smooth Top Ezi-Drive Frame Screw	3,000	252,000

Application:

Buildex® M6 Cx Ca 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-Drive

Mechanical Properties:

Single Shear Strength (N) 12,400 | Torsion Strength 16.0 N-m

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:

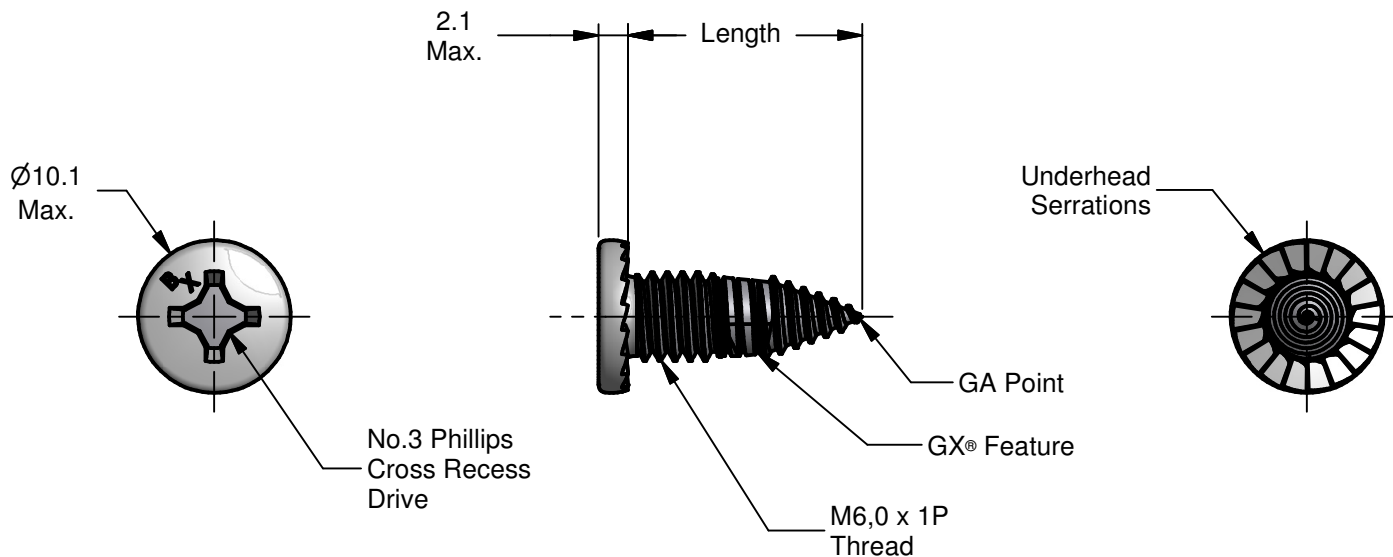
M6 x 15 Smooth Top Cx Ca Frame Screw complies to Australian Standards AS3566.2 Class 3

Recommended Punched Hole Sizes:

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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M6.0 x 15 GX Ca Smooth Top Steel Frame and Truss Screw



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.

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