Product Technical Data Sheet
M6.0 x 15 GX Ca Smooth Top Steel Frame and Truss Screw

Features:
Underhead serrations
GX Screw 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

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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<table>
<thead>
<tr>
<th>Description</th>
<th>Length</th>
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<tbody>
<tr>
<td>M6 x 1P x 15 Smooth Top Gx Ca Frame Screw</td>
<td>14.8 / 15.2</td>
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All dimensions nominal unless otherwise stated. Normal manufacturing tolerances apply.