

Product Technical Data Sheet

M5.0 - 32 x 16.0 Flat Head Tek® Fine Thread Steel Frame Screw

Part Number	Description	Pack Qty	Pallet Qty
6-311-0845-5CC	M5.0-32x16.0 Flat Head Tek® Fine Thread Climacoat coating	1,000	432,000

Application:

Buildex® M5.0-32x16 Screw is used for the assembly of steel wall frames, trusses and wall bracing.

The product does not require a pre punched hole but can be used with pre punched holes \varnothing 4,1 mm or smaller.

Features:

Low Profile Head
No. 2 Phillips Drive
Underhead serrations
M5 - 32 Thread
Tek® point

Benefits:

To it flush or below the top of the frame dimple.
Reduces camout and recess damage.
Higher resistance to loosening and a higher strip torque.
High single shear and torsional strength.
Does not require a pre-punched hole.

Drilling capacity:

Steel - 1,0 mm ~ 3,0 mm

Installation Instructions:

1. Use a Number 2 Phillips Driver Bit (Buildex® Part Number 1-991-1210-3).
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 drilled and fastened.

Material: Carbon Steel SAE 1022 | **Heat Treatment:** To AS 3566.1 | **Finish:** Climacoat®

Mechanical Properties:

Single Shear Strength (N) 7,800 | Axial Tensile Strength (N) 12,900 | Torsion Strength (Nm) 9.4

Pullout Values (N):

Steel G300

1,0 mm: 1,800 | 1,2 mm: 2,500 | 1,5 mm: 4,300 | 1,9 mm: 4,900 | 2,4 mm: 7,000 | 3,2 mm: 8,400

Steel G450

1,0 mm: 2,800 | 1,2 mm: 3,500 | 1,5 mm: 4,300 | 1,9 mm: 5,800 | 2,4 mm: 8,300 | 3,2 mm: 9,500

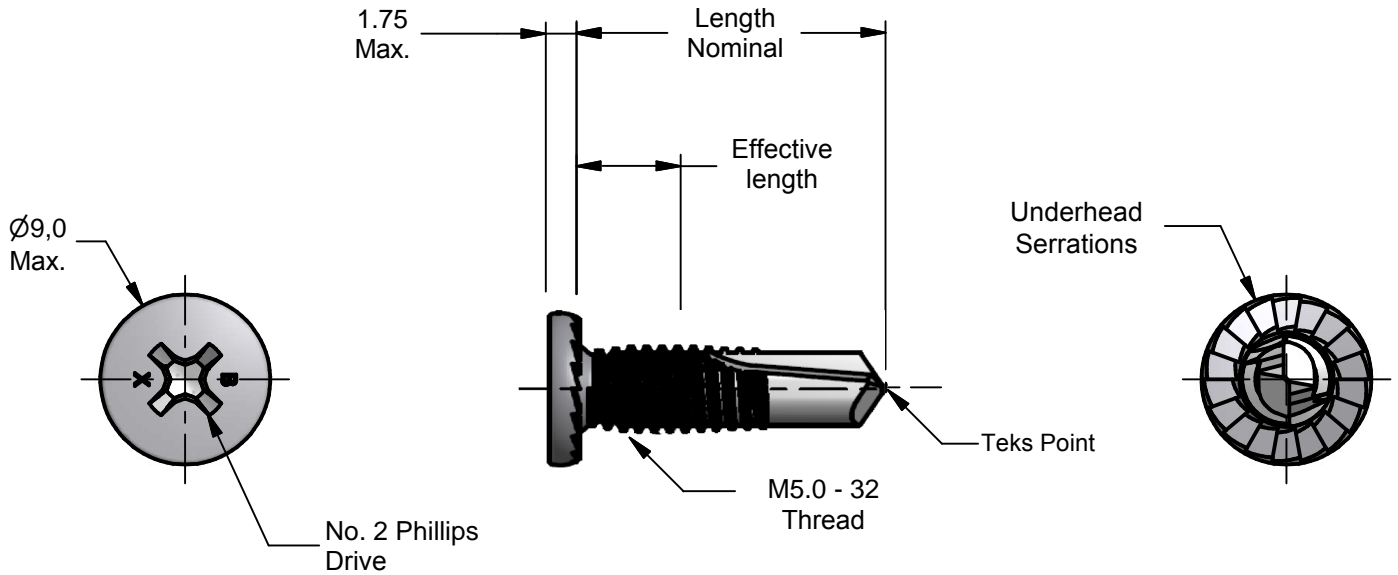
All values are averages obtained under laboratory conditions and appropriate safety factors should be applied for design purposes. These figures are applicable to Buildex® head marked product only.

Corrosion Performance:

Climacoat® top coat conforms to AS 3566.2 Class 3 suitable for mild to moderate corrosive environments. Conforms to ASTM 117B at 1000 hours neutral salt spray testing.

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M5.0 - 32 x 16.0 Flat Head Teks® Fine Thread Steel Frame Screw



Description	Length	Effective length
Flat Head Teks Fine Thread M5.0 - 32 x 16	15 / 16.0	5.00 Мин.

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

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