

Product Technical Data Sheet

12-11 Hex Head Full Thread Stainless Steel Grade 316 Stitch Screw

Part Number	Description	Pack Qty	Pallet Qty
6-117-0308-8	12-11 x 20 Hex Head Stainless 316 Stitch Screw with 16 mm ABW	500 / 1500	108,000

Application:

Buildex® 12-11 Hex Head Stainless Steel Stitch Screw are designed for stitching roof or side cladding sheets together timber where high levels of corrosion are likely, the product is supplied with a 16 mm Aluminium Bonded Washer.

Product Compatibility with Cladding:

Refer to BlueScope Technical Bulletin TB-16

Drilling and Installing Capacity:

Timber F7 Pine - minimum embedment 15.0 mm

Single Thickness of Aluminium

Multiple Pieces of Aluminium

Multiple Pieces of Aluminium with Air Gap

Features	Benefits
Hex Drive	For positive drive under high installation torque.
Needle Point	For easy installation into timber while ensuring maximum pullout strength and high strip torque.
Stainless Steel	Corrosion performance of Stainless Steel to suit the application.

Installation Instructions:

1. Use a 5/16" Hex Socket.
2. Use a mains powered or cordless screw driver with a drive speed of 3,000 RPM maximum.
3. Fit the 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.

Mechanical Properties:

Single Shear Strength (Newton) 7,200 | Axial Tensile (Newton) 11,900 | Torsion Strength 10.6 Newton-metre

Pullout Values (Newton):

F7 (Pine) Timber, 15 mm embedment: 1,800

0.7 mm Aluminium Single (N) x.x | 0.7 mm Aluminium Lapped (N) x.x | 0.9 mm Aluminium Single (N) x.x | 0.9 mm Aluminium Lapped (N) x.x | 1.2 mm Aluminium Single (N) x.x | 1.2 mm Aluminium Lapped (N) x.x

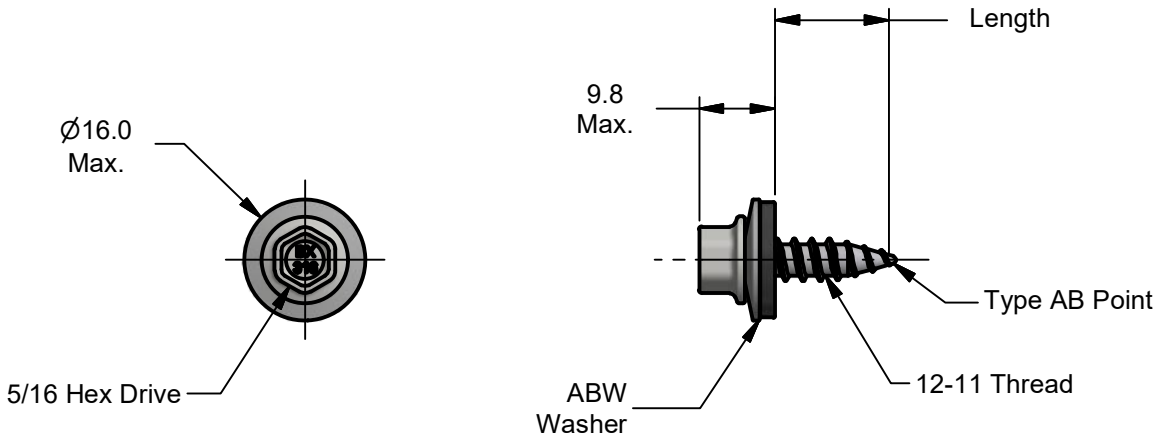
All values are averages obtained under laboratory conditions and appropriate safety factors should be applied for design purposes. These figures are applicable to Buildex® head marked product only.

Material: Stainless Steel Grade 316 (A4) | **Heat Treatment:** Nil | **Finish:** Stainless Steel

Corrosion Performance: Stainless Steel Grade 316 (A4)

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Note

Lengths from underside of sealing washer and includes compression.

Part Number	Description	Length
6-117-0308-8	12-11 x 20 Hex Head Stainless 316 Stitch Screw with 16 mm ABW	14.5 / 16.0

All dimensions nominal unless otherwise stated. Normal manufacturing tolerances apply. All dimensions in millimeters. Third Angle Projection. Scale: Full size

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