# **Buildex**®

### **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<sup>®</sup> 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 Compatiblity with Cladding:

Refer to BlueScope Technical Bulletin TB-16

#### **Drilling and Installing Capacity:**

Timber F7 Pine - miniumum embedment 15.0 mm

**Multiple Pieces of Aluminium** Single Thickness of Aluminium Multiple Pieces of Aluminium with Air Gap 0.7 mm Min. 0.70 mm Min. 1.2 mm Max. 0.7 mm Min. 1.2 mm Max. 1.2 mm Max. 3.0 Air Gap Max. Features **Benefits** For positive drive under high installation torque. Hex Drive For easy installation into timber while ensuring maximum pullout strength and high strip torque. Needle Point

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<sup>®</sup> head marked product only.

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

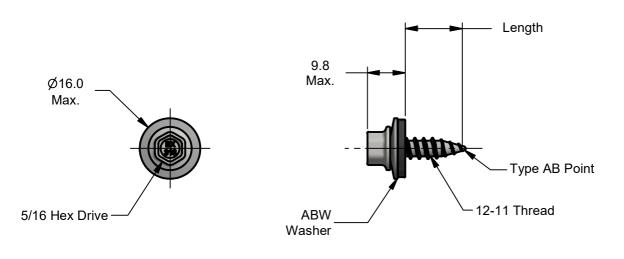
#### Corrosion Performance: Stainless Steel Grade 316 (A4)

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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

Buildex<sup>®</sup> Head Office 600 South Road Moorabbin Victoria 3189 Australia

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

Technical Help Desk Technicalhelpdesk@buildex.com.au

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