

# BUILDEX

## Product Technical Data Sheet

### 14G-8 Heavy Duty Timber Dual T17 Bugle Batten Screw Class 4.

#### Application:

Buildex® 14 Gauge Bugle Batten screws are designed for fixing roof battens to timber rafters, or fixing heavy timbers where a flush finish is required - fencing - furniture - pergolas and boardwalks

#### Features

5 mm Hex Drive hand

Dual T17 Tip

Serrated Cutting Ribs

W-Cut Thread

Clearing Burr

Finish

#### Benefits

For positive drive under high installation torque. Reduces bit wobble and enables one

Delivers excellent initial engagement and rapid start while ensuring maximum pullout strength, reduced timber splitting and high strip torque.

For countersinking the head into timber to provide a clean-cut finish.

Reduces driving torque for faster installation into timber.

Maximizes clamp-down force. Clears the path as the screw goes in, reducing the torque required.

Buildex® **Climashield 4** – Exceeds Class 4 standards. Proprietary electroplated coating.

#### Installation Instructions:

1. Use a 5.0 mm Hex Driver Bit.
2. Use a mains powered or cordless drill/impact 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 power tool until the screw has fastened.

Buildex® 14 Gauge Bugle Batten screws are designed to self-drill. However, for very hard timber pre drilling is recommended.

#### Recommended pilot hole size

Hardwood – 4.8 mm

#### Drilling and Installing Capacity:

Timber F7 Pine to F27 Hardwood - minimum embedment 35.0 mm

#### Mechanical Properties:

Single Shear Strength (Newton) 14,400 | Double Plane Shear Strength (Newton) 28,800 | Axial Tensile (Newton) 19,000 | Torsion Strength 22.5 Newton-metre

#### Pullout Values (Newton):

F7 (Pine) Timber, 35 mm embedment: 6,800 | F17 (Hardwood) Timber 35 mm embedment: 7,100

F7 (Pine) Timber, 45 mm embedment: 10,100 | F17 (Hardwood) Timber 45 mm embedment: 10,000

This product has been tested in accordance with AS 3566.1 and has demonstrated performance exceeding the standard's specified requirements.

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.

All tests have been completed at independent NATA certified laboratories.

**Material:** Carbon Steel SAE 1022 | **Heat Treatment:** To AS 3566.1 | **Finish:** Climashield 4

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#### Corrosion Performance:

14 Gauge Bugle Batten screws are finished in the latest Buildex® e-coating technology Climashield, which is a Zinc Nickel electroplated coating which provides:

- Superior Corrosion Resistance

Provide up to 5–10 times better corrosion protection than standard zinc coatings. Perfect for coastal, industrial, or high-moisture environments where rust is a major concern.

- Tougher, Longer-Lasting Protection

With a high-performance alloy of zinc and nickel, this coating resists wear, chipping, and oxidation—helping your fasteners last longer, even under extreme conditions.

- Excellent Barrier Against Galvanic Corrosion

Especially effective when used with aluminum or stainless steel, reducing the risk of galvanic corrosion—a common issue in mixed-metal assemblies.

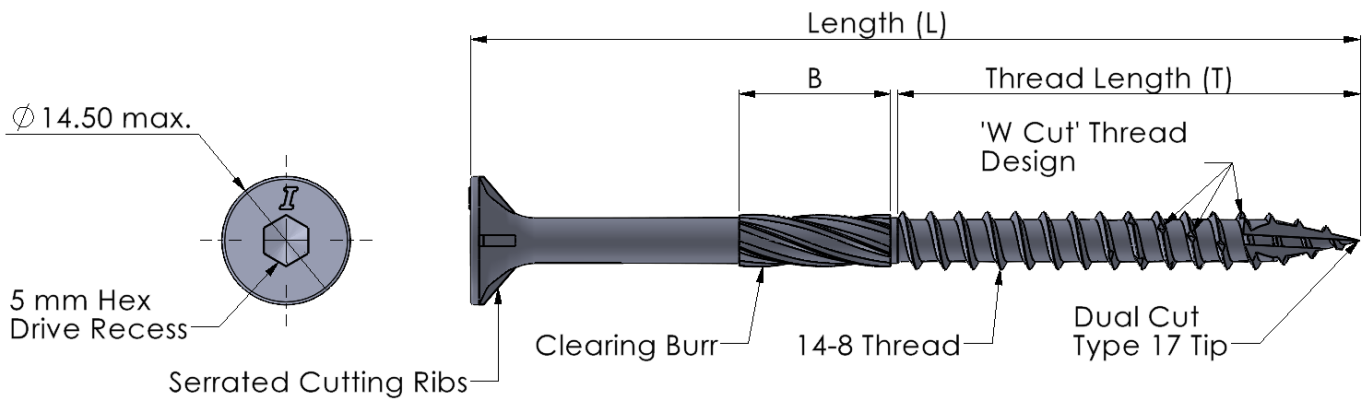
- Environmentally Responsible

Climashield® Zinc-Nickel coating is RoHS compliant and free from hexavalent chromium, making them a smarter, safer choice for environmentally conscious projects.

Climashield® 4 Fasteners have undergone both natural and accelerated testing protocols, meeting the rigorous requirements of **AS 3566.2:2002**.

**Outdoor Exposure Testing:** Conducted at certified **very severe marine environments**, as specified in **AS 3566.2:2002, Clause 5.3(b)**, confirming suitability for highly corrosive, real-world coastal conditions.

**Accelerated Corrosion Testing:** Independently tested in accordance with **AS 3566.2:2002, Clause 5.3(a)**, demonstrating compliance with accelerated corrosion resistance benchmarks.



Designation	Length (L)	Thread Length (T)	Clearing Burr (B)
14G-8 x 200	200	105	17
14G-8 x 175	175	93	17
14G-8 x 150	150	80	17
14G-8 x 125	125	62	17
14G-8 x 100	100	52	17
14G-8 x 75	75	38	17
14G-8 x 50	50	32	8

All dimensions are nominal unless otherwise stated. Normal manufacturing tolerances apply. All dimensions in millimeters.  
Third Angle Projection. Do not scale.

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Lengths	50mm	75mm	100mm	125mm	150mm	175mm	200mm
<b>Pack Quantity</b>							
25	•	•	•	•	•	•	•
100	•	•	•	•	•	•	•
250				•	•		
500	•	•	•				
<b>Pack Type</b>							
Polybox	✓	✓	✓	✓	✓	✓	✓
Plastic Box	✓	✓	✓	✓	✓	✓	✓



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