The BOWMAC Stainless Steel range provides a system of timber fixing brackets for use in highly corrosive or aesthetic environments. The Stainless Steel range supplements the extensive Hot Dip Galvanised range of BOWMAC Brackets.

BOWMAC Stainless Steel Brackets are available from leading Builders Supply Merchants and Hardware outlets throughout New Zealand.
PRODUCT RANGE
This catalogue details the Stainless Steel range of BOWMAC products. Refer to separate brochure for the Hot Dip Galvanised range of BOWMAC products.

STANDARDS
Applicable Timber Standards are NZS 3603 and NZS 3604:2011 - Section 4 Durability.

DESIGN LOADING
These can be derived from the characteristic strength of bolts in timber, using the relevant design code NZS 3603.

DURABILITY
The selection of BOWMAC Stainless Steel brackets should be made in conjunction with the MiTek Durability Product Selection and Durability Flow Charts in Section 4 of the current MiTek Structural Fixings On-Site Guide. These selection charts are an alternative solution to Table 4.1 NZS 3604:2011.

The recommendation and use of BOWMAC Stainless Steel brackets prescribed in these selection charts is based on supporting advice from Les Boulton & Associates - Materials and Corrosion Consultants in their report # 99267.

When used, handled and installed in accordance with the above conditions, BOWMAC Stainless Steel brackets meet NZBC Clause B2 for 50 years durability performance requirements.

Depending on specific weather exposure and salt spray environments, there may be evidence of ‘tea staining’ on the surface of Stainless Steel brackets.

Tea staining is a visual issue only and DOES NOT affect the structural integrity of the bracket. To minimise this occurrence, it is suggested that a regular washing / maintenance cycle be implemented using warm water with a mild detergent and a cold fresh water rinse.

It is NOT advisable for any BOWMAC Stainless Steel products to be painted over as this may affect the natural anti-corrosive characteristics of stainless steel.

CUSTOM PRODUCTS
BOWMAC also manufactures custom-made products to suit specific requirements, using Hot Dip Galvanised Steel and 304 Stainless Steel. A lead time by discussion is required to allow for manufacture.

AVAILABILITY
Stainless Steel BOWMAC Brackets can be purchased from Builders Supply Merchants or indented through the merchant from our Auckland and Christchurch warehouses.

END USE
The purchaser is responsible for checking the suitability of any component for its intended use.

STRAPS

<table>
<thead>
<tr>
<th>BS35</th>
<th>BS38</th>
<th>BS45</th>
<th>BS48</th>
</tr>
</thead>
<tbody>
<tr>
<td><img src="image1" alt="Diagram of BS35 strap" /></td>
<td><img src="image2" alt="Diagram of BS38 strap" /></td>
<td><img src="image3" alt="Diagram of BS45 strap" /></td>
<td><img src="image4" alt="Diagram of BS48 strap" /></td>
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Holes for M12 Bolts

<table>
<thead>
<tr>
<th>BS75</th>
<th>BS78</th>
<th>BS79</th>
<th>BS85</th>
<th>BS88</th>
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<tbody>
<tr>
<td><img src="image5" alt="Diagram of BS75 strap" /></td>
<td><img src="image6" alt="Diagram of BS78 strap" /></td>
<td><img src="image7" alt="Diagram of BS79 strap" /></td>
<td><img src="image8" alt="Diagram of BS85 strap" /></td>
<td><img src="image9" alt="Diagram of BS88 strap" /></td>
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</tbody>
</table>

Holes for M12 Bolts
POST AND BEARER BRACKETS

BS135  M12 Bolt and Nails Included
BS138  2 - M12 Bolts Included
BS25   M12 Bolt and Nails Included

POST AND BEARER BRACKETS

BS28  2 - M12 Bolts Included
BS197 Holes for M12 Bolts

POLE BRACKET

BS128 Holes for M20 Bolts

ANGLE BRACKETS

BS50
BS51
BS55
BS163

All Holes for M12 Bolts
**ANGLES**

<table>
<thead>
<tr>
<th>BS175</th>
<th>BS176</th>
<th>BS177</th>
<th>BS108</th>
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<td><img src="image3" alt="Image of BS177" /></td>
<td><img src="image4" alt="Image of BS108" /></td>
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**BEAM SUPPORTS**

All Holes for M12 Bolts

**POLE BRACE BRACKET**

**POLE BRACE BRACKET**

**BEAM SUPPORTS**

<table>
<thead>
<tr>
<th>BS109</th>
<th>BS155</th>
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<tr>
<td><img src="image5" alt="Image of BS109" /></td>
<td><img src="image6" alt="Image of BS155" /></td>
</tr>
</tbody>
</table>

All Holes for M12 Bolts

2 – M16 x 30mm Assembly Bolt only supplied

**POLE BRACE BRACKET**

<table>
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<th>BS145</th>
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<tr>
<td><img src="image7" alt="Image of BS145" /></td>
</tr>
</tbody>
</table>

Brace - 125mm dia. Pole or 100mm sq.

Cut brace through centre to house strap

50 x 50 x 5 Washers not supplied

45° Optimum

**BS145**

1 – M16 x 30mm Assembly Bolt only supplied

30kN CHARACTERISTIC LOAD TENSION AND COMPRESSION

All Holes for M12 Bolts

2 – M16 x 30mm Assembly Bolt only supplied

30kN CHARACTERISTIC LOAD TENSION AND COMPRESSION

1 – M16 x 30mm Assembly Bolt only supplied

1 – M16 x 30mm Assembly Bolt only supplied

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