



Technical Data Sheet

Barge End Ladder Bracket

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ALEXANDRIA NSW 2015

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1. PRODUCT NAME:

The 'Ladder Bracket BLB' ladder support / tie off bracket

2. MANUFACTURER/DISTRIBUTOR:

American Shingles Pty Limited trading as Secure Anchor Systems

3. PRODUCT DESCRIPTION:

A surface mounted stainless steel roof support bracket to suit right angled metal cappings/fascia with a minimum base metal thickness (BMT) of 0.42mm providing lateral restraint when alighting from the ladder or a roof plane.

Limitations: The 'Ladder Bracket BLB' is not to be utilised by more than one person on the ladder at any one time nor should it be used or modified for use as a fall arrest/restraint device. The bracket is not to have any additions applied to it such as vertical lines and is not to be used for the permanent mounting of ladders.

Composition and Materials: The 'Ladder Bracket BLB' is composed of 304 Stainless Steel in either a mill finish or powdercoated to match roof sheet colours. The 'Ladder Bracket BLB' utilises 12 screws to surface mount the brackets with an EPDM self adhering separation strip.

Applicable Standards: Not Applicable

4. TECHNICAL DATA:

Weight (approx.):	980 Grams
Dimensions (overall):	400mm x 270mm x 25mm nominal
Fixings:	12 off Buildex 15-15x25mm Hex Head HG Seal 'Metal Batten Tek's' (6-310-3498-1C4) 2 off M6 x 12mm 304 Stainless steel Hex Head Screw
Weather exposure:	400mm x 270mm x 25mm

5. INSTALLATION:

Installation instructions including diagrams are supplied with each ladder bracket, or separate application sheets may be obtained from Secure Anchor Systems and are provided as a guide only. Following is a general summary of the installation method.

If there is any doubt or non surety as to the application of this Ladder Bracket in accordance with these instructions please contact Secure Anchor Systems or a certified practising structural engineer for further direction or clarification.

Roof Requirements: Apply the 'Ladder Bracket BLB' to a metal capping or timber fascia that is fixed in accordance with the roof sheet manufacturer's instructions, all applicable building codes and Australian Standards. A roof sheet with minimum base metal thickness of 0.42mm (with a minimum 550MPa yield strength in accordance with AS 1397-2001) or better must be utilised.

Application & Fastening: The separation strip provides a separation between the metal capping/timber fascia and the stainless steel fabric of the 'Ladder Bracket BLB' ensuring a tight waterproof seal. This must also be placed to ensure no reaction will occur between the stainless steel Ladder Bracket and the roof capping. Ensure that the EPDM is adhered to the underside of the ladder bracket mounts.

A minimum of twelve (12) screws are required to be used on the 'Ladder Bracket BLB'. Three holes are centred axially, down the face of each 'Ladder Bracket mounts and three across the top where it sits atop of the capping/roof. The brackets may be located

anywhere along the roof capping along a barge where it is determined to be the safest point to step onto the roof plane or alight from it.

Ensure that the Metal Batten Tek's are secured firmly against the ladder bracket and the roof capping so there is no movement. **DO NOT** overtighten the screws as they may strip the thread and compromise the screw's holding power and shear strength on the sheet. We suggest using a torque setting commonly available on cordless drills for consistent application of all screws.

Flashing: The 'Ladder Bracket BLB' requires no additional flashings or sealing other than the application of the enclosed EPDM self adhering sealing/separation strip. You may apply a bead of sealant around the perimeter of the anchor if there is any unsurety as to water resistance.

6. AVAILABILITY AND COST:

Contact **Secure Anchor Systems** for current pricing and supply information for Australia and New Zealand.

7. MAINTENANCE:

The 'Ladder Bracket BLB' should be checked annually at the very least by a 'competent' person. Ensure that the 'Corrugator™' is firmly attached to the roof and not loose with the use of all screw fixings as detailed in 4. Technical Data above. Ensure all safety equipment to be used in conjunction with the 'Corrugator™' is checked prior to use.

If there is any doubt or non surety as to the performance of any installed 'Ladder Bracket BLB' **DO NOT USE OR ATTACH TO IT** and contact a certified practising structural engineer or Secure Anchor Systems for further direction.

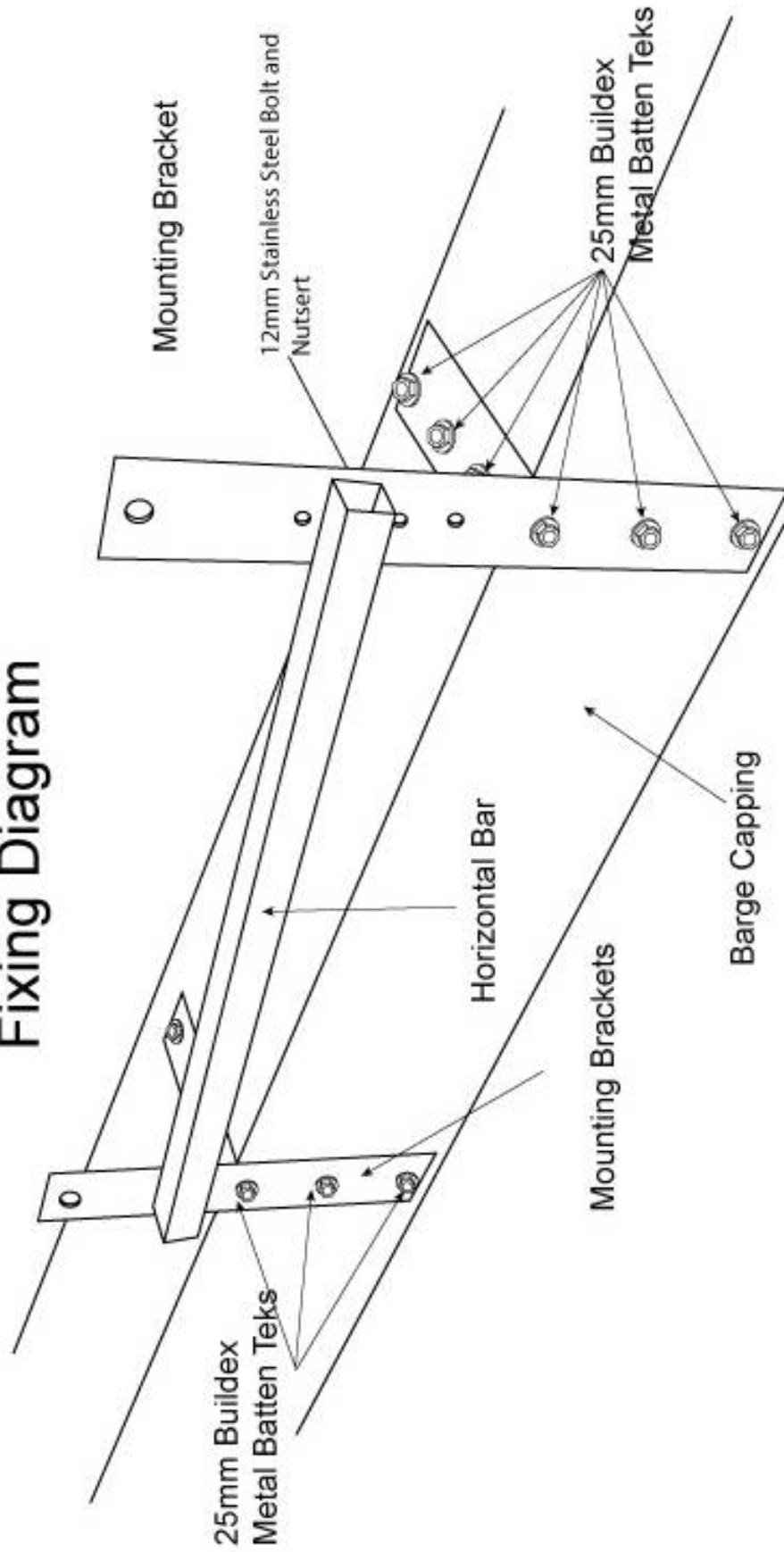
8. TECHNICAL SERVICES:

Technical support and assistance is available through **Secure Anchor Systems**.

Ladder Bracket:

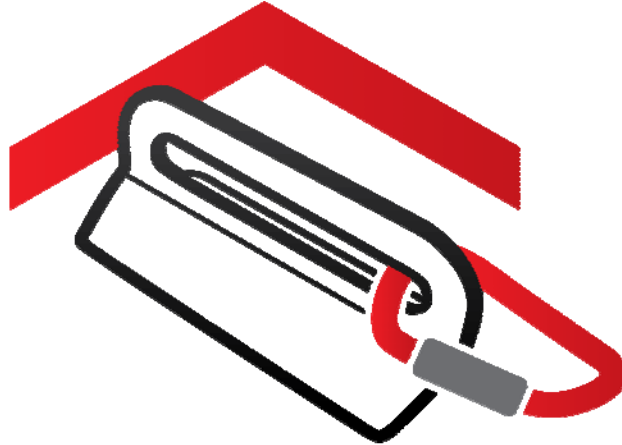
Barge Fixing

Fixing Diagram



NOTES:

- Fix horizontal bar in place with the 12mm Stainless Steel bolts and nutserts on either of the bracket face
- If the ladder bracket is of the adjustable type, align the bar horizontally with the corresponding adjustment holes
- The EPDM separation strip adhered to the underside of brackets must be intact when fixing to the barge capping
- Fix brackets to capping using the 25mm metal batten tekas. Fix the three screws to each face then adjacent face
- Ensure that all screws are firmly fixed but NOT overtightened with all washers in tact under the heads of the screws



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