



Technical Data Sheet “KL-08 Roof Anchor”

AMERICAN SHINGLES PTY LIMITED t/a
ABN: 47 095 175 867

Unit 26, 56-58 O’Riordan Street
ALEXANDRIA NSW 2015

TELEPHONE: 1300 131 881
FACSIMILE: 1300 731 881

EMAIL: info@superanchor.com.au

1. PRODUCT NAME:

The “KL-08” (Patent Pending) standing rib profile 360° fall restraint/fall arrest roof anchor to suit roof profiles such as Kliplok®. Other roof anchors are available for some other styles of standing seam metal/pan roof profiles.

2. MANUFACTURER/DISTRIBUTOR:

American Shingles Pty Limited trading as Secure Anchor Systems

3. PRODUCT DESCRIPTION:

A surface mounted stainless steel roof anchor to suit square rib metal roof profile sheeting with a minimum base metal thickness (BMT) of 0.48mm. The roof sheeting should be continually spanning a minimum five metal battens, purlins or timber roof battens (MGP10, 75mm x 34mm minimum) providing protection in fall arrest along the length of the sheet only and fall restraint across the width of the sheet.

Limitations: The anchor is NOT to be utilised by more than one person at any time in accordance with AS/NZS 1891.4 (Table 3.1). Do not use if the anchor does not firmly fit the roof sheet profile. The anchor is NOT to be used for fastening/tethering other items such as TV antennae, satellite dishes, solar panels, shade structures etc...

DO NOT install on roof runs longer than 10-12m where the sheet could expand excessively and shear/skew the anchor fixings.

Composition and Materials: The ‘KL-08’ is composed of 304 Stainless Steel in either a mill finish or powdercoated to match the roof sheet colours. The ‘KL-08’ utilises 22 off 25mm long metal batten ‘teks’ and is surface mounted with a waterproof, self adhering EPDM foam separation strip.

Applicable Standards: Australian/New Zealand Standard 1891.4

4. TECHNICAL DATA:

Weight (approximately):	250 Grams (without fixings)
Dimensions (overall):	120mm x 165mm x 1.2mm nominal foot print
Screw Fixings:	22 off Buildex 15-15x25mm Hex Head HG Seal ‘MBTek’s’ (6-310-3498-1C4) All screws are Climaseal 4 - AS3566 Class 4 coating

5. INSTALLATION:

Installation instructions are supplied with each anchor, 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.

NOTE - Refer to application instructions supplied with the ‘KL-08’ for further information and application procedures.

If there is any doubt or non surety as to the application of this anchor 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 ‘KL-08’ to a standing square rib metal roof profile 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 0.48mm (with a minimum 550MPa yield strength in accordance with AS 1397-2001) must be utilised and continually span across five battens for the ‘KL-08’ to ensure fall arrest along the sheet when installed in accordance with these instructions.

Application & Fastening on overlapping rib:

A: To timber battens at 1200mm centres maximum

Make sure that the EPDM flashing/separation is fixed between the roof sheeting and the stainless steel fabric of the roof anchor ensuring a tight waterproof seal. This must also be placed to ensure no reaction will occur between the stainless steel anchor and the Colorbond or Zinalume roof sheeting.

The twenty two (22) x Buildex 15-15x25mm Hex Head HG Seal 'Metal Batten Tek's' are required to be used across all holes fixing into the roof sheet where an overlapping exists. Ensure that the screws are secured firmly against the anchor and the roof sheet so there is no movement. DO NOT over tighten the screws as this may strip the thread and compromise the screw's holding power and shear strength in the event of a fall. We suggest using a torque setting commonly available on cordless drills.

NOTE: Fix the 16 off Batten Tek's through pan before fixing the remaining 6 screws through the rib. If there is a gap between the EPDM and neck of the rib after fixing of the anchor, place some sealant to fill the holes to prevent the ingress of water of detritus.

DO NOT use existing roof screws to fasten the 'KL-08'. DO NOT use any other screws than those supplied or specified above. DO NOT reuse any screws nor the holes of an existing application if a 'KL-08' is removed and re-installed. The anchor is NOT to be used for fastening/tethering other items such TV antennae, satellite dishes, solar panels, shade structures etc... DO NOT install on roof runs longer than 10m where the sheet could expand excessively and shear the anchor or roof fixings.

Flashing: The 'KL-08' requires no additional flashings or sealing other than the application of the enclosed self adhering EPDM foam seal/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 'KL-08' must be checked, recorded and identified annually at the very least by a 'competent' person as required and/or detailed in Government OH&S Acts, Codes of Practice and all applicable building codes. The 'KL-08' must also be checked prior to any attachment or use ensuring that the anchor has not been subject to any fall loads nor that it has been tampered with. Ensure that the 'KL-08' is firmly attached to the roof, not loose, using of all screw fixings as detailed in Item 4. Technical Data (noted above) and with no other attachments fixed to the anchor. Ensure all safety equipment to be used in conjunction with the 'KL-08' is checked prior to use.

If there is any doubt or non surety as to the performance of any installed anchor 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**.

For additional information and literature contact **Secure Anchor Systems: Telephone 1300-131-881 Facsimile 1300-731-881**

The KL08:

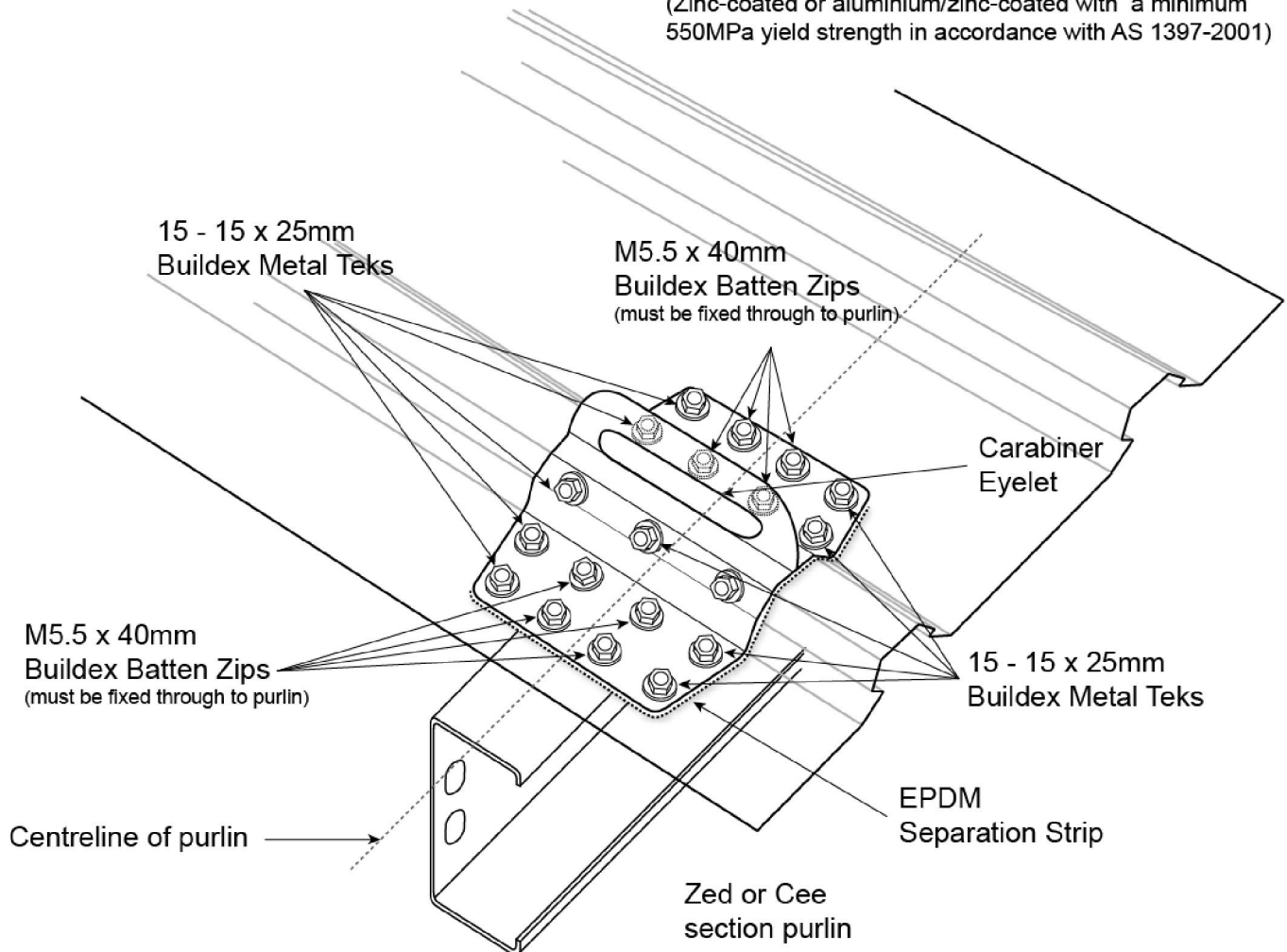
Fall Arrest Roof Anchor

Fixing Illustration

(To be read in conjunction with Tech Data Sheet)

Klip-Lok 700 Hi-Strength® Profile Rib and Pan Roofing

(Zinc-coated or aluminium/zinc-coated with a minimum 550MPa yield strength in accordance with AS 1397-2001)

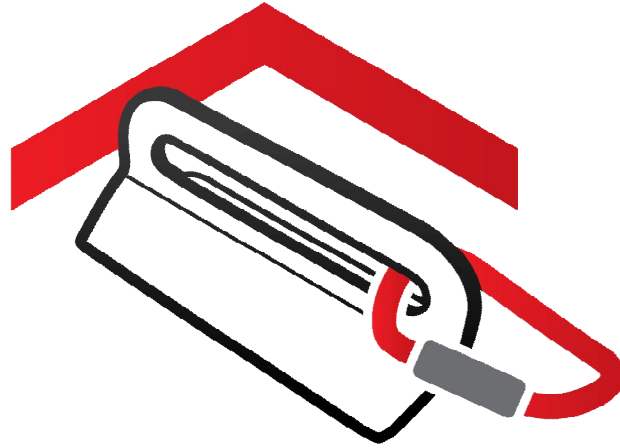


NOTES:

- Place KL08-700 on a raised rib/square flute centred in line with the underlying purlin/batten
- The KL08-700 MUST be fixed into a purlin/batten laterally through the centre eight holes.
- The EPDM separation strip adhered to the underside of KL08-700 must be in place when fitting the anchor.
- Remaining eight (8) holes across the top and bottom of the KL08-700 must be fixed with the 25mm teks in the pan.
- The remaining six Metal Batten Tek's must then be fixed into the sides of the rib to ensure EPDM compression
- Ensure that all screws are firmly fixed but NOT overtightened with all washers in tact under the heads of the screws.

SECURE ANCHOR SYSTEMS recommends that all anchor installers & users be 'competent' in accordance with AS 1891, relevant Codes of Practice and applicable OH&S Acts in your state.

SECURE ANCHOR SYSTEMS always recommends placement of anchors using a 'fall restraint' methodology and working in a 'fall restraint' mode when working at heights.



SecureAnchor

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“It’s all about staying on top”

NATIONAL OFFICE:
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