

The SD09 standing rib and pan metal roof profile 360° fall arrest roof anchor to suit Spandek® or Trimdeck® profiles.

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## Product Description

A surface mounted stainless steel roof anchor to suit standard square rib metal roof profile sheeting with a minimum base metal thickness (BMT) of 0.42mm.

The roof sheeting should be continually spanning a minimum three battens, purlins or timber roof battens (MGP10, 75mm x 34mm minimum) providing 360° protection in fall arrest and restraint applications.

### LIMITATIONS:

The anchor is not to be utilised by more than one person at any time nor, be subject to a load of more than 15kN 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 TV antennae, satellite dishes, solar panels, shade structures etc ...

### APPLICABLE STANDARDS:

Australian/New Zealand Standard 1891.4



## Technical Data

Weight (approx):	250 Grams (without fixings)
Dimensions:	175mm x 90mm x 1.2mm nominal foot print
Screw Fixings:	<b>Timber:</b> 4 off M6x50mm Hex Head HG Seal C4 'Roof Zips' 18 off 15-15x25mm Hex Head HG Seal 'MBTek's'
	<b>Metal:</b> 4 off M5.5x40 Hex Head HG Seal 'Metal Batten Zips' 18 off 15-15x25mm Hex Head HG Seal 'MBTek's'

### COMPOSITION AND MATERIALS:

The TD06 is composed of 304 Stainless Steel, mill finish. The TD06 utilises 16 screws of varying types depending on the sub-structure and is surface mounted with a waterproof, self adhering EPDM foam separation strip.

### FLASHING:

The 'SD09' requires no additional flashings or sealing other than the application of the enclosed self adhering EPDM foam seal/separation strip.

## Maintenance:

The 'SD09' should 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 'SD09' 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 'SD09' is firmly attached to the roof, not loose, using of all screw fixings as detailed in Item Technical Data (noted above) and no other attachments fixed to the anchor. Ensure all safety equipment to be used in conjunction with the 'SD09' is checked prior to use. . .

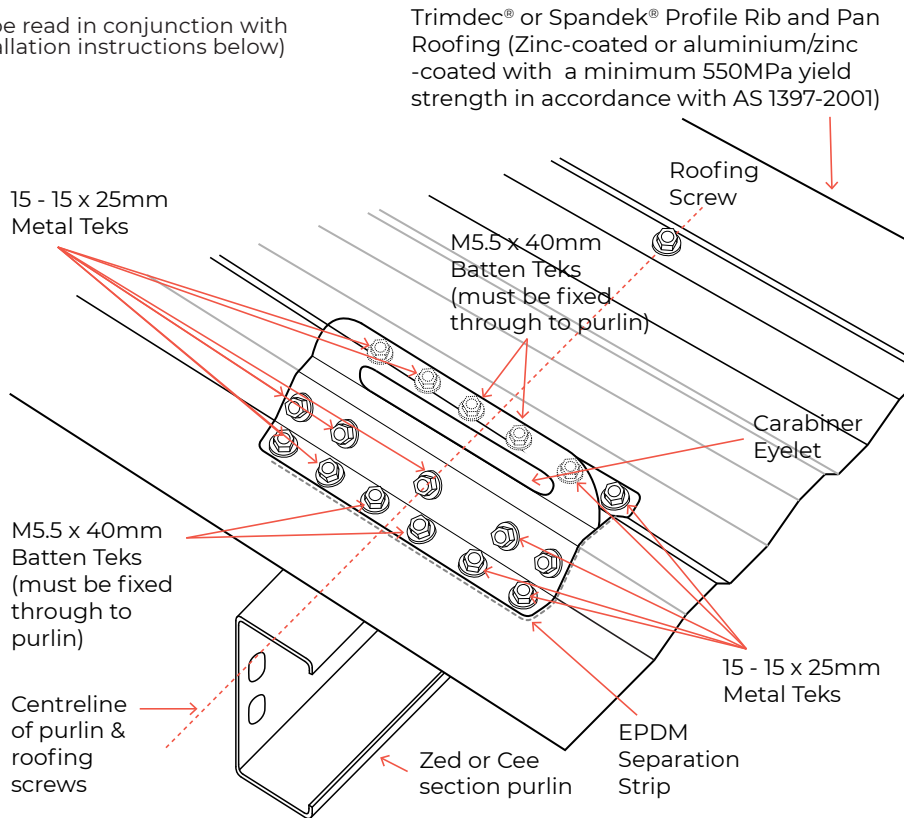
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## Fixing Diagram

(To be read in conjunction with installation instructions below)



## FIXING NOTES:

- Place SD09 on a raised rib/ square flute centred in line with existing roofing screws (remove a screw for placement)
- The EPDM separation strip adhered to the underside of SD09 must be in place when fitting the anchor.
- The SD09 MUST be fixed into a purlin laterally through the centre four (4) holes first.
- The remaining eight (8) Batten Tek must then be fixed into the pan to ensure a snug fitting over the rib.
- Then fix all ten (10) holes along the either side of the rib of the SD09 with the remaining 25mm metal teks.
- Ensure that all screws are firmly fixed but NOT overtightened with all washers intact under the heads of the screws.

## Installation Instructions

Following is a general summary of the installation method. If there is any doubt as to the surety or application of this roof anchor please contact Secure Anchor Systems.

### ROOF REQUIREMENTS:

Apply the 'SD09' 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 0.42mm (with a minimum 550MPa yield strength in accordance with AS 1397-2001) must be utilised and continually span across three battens for the 'SD09' to ensure fall arrest when installed in accordance with these instructions.

### APPLICATION & FASTENING TO VARIOUS TYPES OF SUPPORTING STRUCTURE:

#### A: TIMBER BATTENS:

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 eight (4) x M6x50mm Hex Head HG Seal C4 'Roof Zips' are required to be used across the centre 4 holes fixing into the timber batten support structure. The eighteen (18) 15-15x25mm Hex Head HG Seal 'Metal Batten Tek' are used to fix into the roof sheet only across the top and bottom 18 holes. 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 they 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.

#### B: C, Z OR TOP HAT SECTION PURLINS:

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 be placed to ensure no reaction will occur between the stainless steel anchor and the Colorbond or Zinalume roof sheeting. The six (6) 12-24 x 38mm Hex Head HG Seal C3 'Series 500' self drilling are required to be used across the top 6 'pan' holes fixing into the 100mm metal purlin support structure. The remaining sixteen (16) 15-15x25mm Hex Head HG Seal 'Metal Batten Tek' are used to fix into the roof sheet only along the rib and bottom 6 holes. Ensure that the Metal Batten Tek are secured firmly against the anchor and the roof sheet so there is no movement. DO NOT over tighten the screws as they 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.

*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.*

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