



## Installation Guidelines for:- Purlin Mount Anchor Point



### Disclaimer

#### Installation of Safety Products

- The Manufacturer/Distributor cannot be held responsible for any product that is not installed correctly. Persons installing these Products must be approved installers. All persons installing Height Safety Products must know the 'Working At Heights' Regulations, have had Height Safety Training & be competent in all the relevant Australian Standards applicable to the work you are doing. Any installation diagrams are the manufacturers recommended methods and must be adhered to. The manufacturer/Distributor cannot be held responsible for incorrect installation documentation or procedures. The Distributor will endeavor to help and give guidance where necessary but cannot be held responsible for any 'mis-interpretations' or 'incorrect' advice. The Manufacturer/Distributor cannot warrant the structure to which the product is connected to. Assessment must be made by a qualified structural Engineer, unless it is clear to a competent person that it is structurally adequate. E&OE applies to all documentation.
- If you are uncertain and need help CALL:-

Tel: (AUS) 1300 728 672 (NZ) 0800 441 335

## Roof types

The Purlin Mount Anchor Point is installed onto a steel purlin. It can be used on tray deck type roofs, custom orb (needs a custom orb type flange), Spandek (needs a Spandek type flange) and various 'kliplok' type roof decks.

### Minimum Structure Requirements

- Minimum purlin size is 150 x 1.5mm guage
- The roof sheet onto which it is attached must have a minimum of 3 purlins supporting it.

### 'Kliplok' Type roof decks (ABSEIL USE ONLY)

- 'Kliplok' type roof decks must have additional fixings which fix the roof deck onto the purlin to stop the purlin from 'sliding' causing it to 'tear'. Fix 2 x 14g tekscrews through the roofsheet, into the purlin on which the anchor point is attached. Fix another 2 x 14g tekscrews through the roof sheet, into the purlin (one purlin back from which the anchor is attached)  
NOTE. If the roof sheet expanding will cause a problem, then other anchors must be used. (Contact MSA)

### Usage

The Purlin Mount anchor point can be used for twin rope work or fall arrest systems.

### Testing

The Purlin Mount anchor point has been tested to AS/NZS 4488. It can withstand a static load of 12kN at any direction (parallel with roof deck ) and it can withstand a dynamic load of 22kN at any direction (parallel to roof deck) provided it is installed to The Manufacturers requirements.

### Components

The Purlin Mount anchor consists of the following components:-

- 100mm M16 SS Eyebolt
- M16 Steel block with 5mm hole
- 80mm flange with nitrile seal (flange depends on roof deck)
- 25mm nitrile seal
- Cable tie

### Installation Procedure

1. Assemble the 25mm nitrile seal and steel flange onto eyebolt
2. Drill a 28mm hole in the centre of the purlin at the required position
3. Feed the plastic cable tie through the 5mm hole on the steel block.
4. Whilst firmly holding the cable tie, insert the 16mm steel block through the hole.
5. When the steel block is fully through the hole, pull the cable tie back, pressing the steel block firmly against the underside of the purlin, enabling the threaded hole of the steel block to be exposed.
6. Using your other hand take the eyebolt and screw it into the steel block at least 5 turns.
7. Release the cable tie and cut it flush with the roof or let it fall through the roof.
8. The eyebolt can now be tightened fully ensuring that the eyebolt faces the right direction (tighten eyebolt to at least 140Nm using a bar)
9. The anchor point is now ready for use

**NOTE:** If the roof condition is not clean, it may need extra sealant under the large seal.

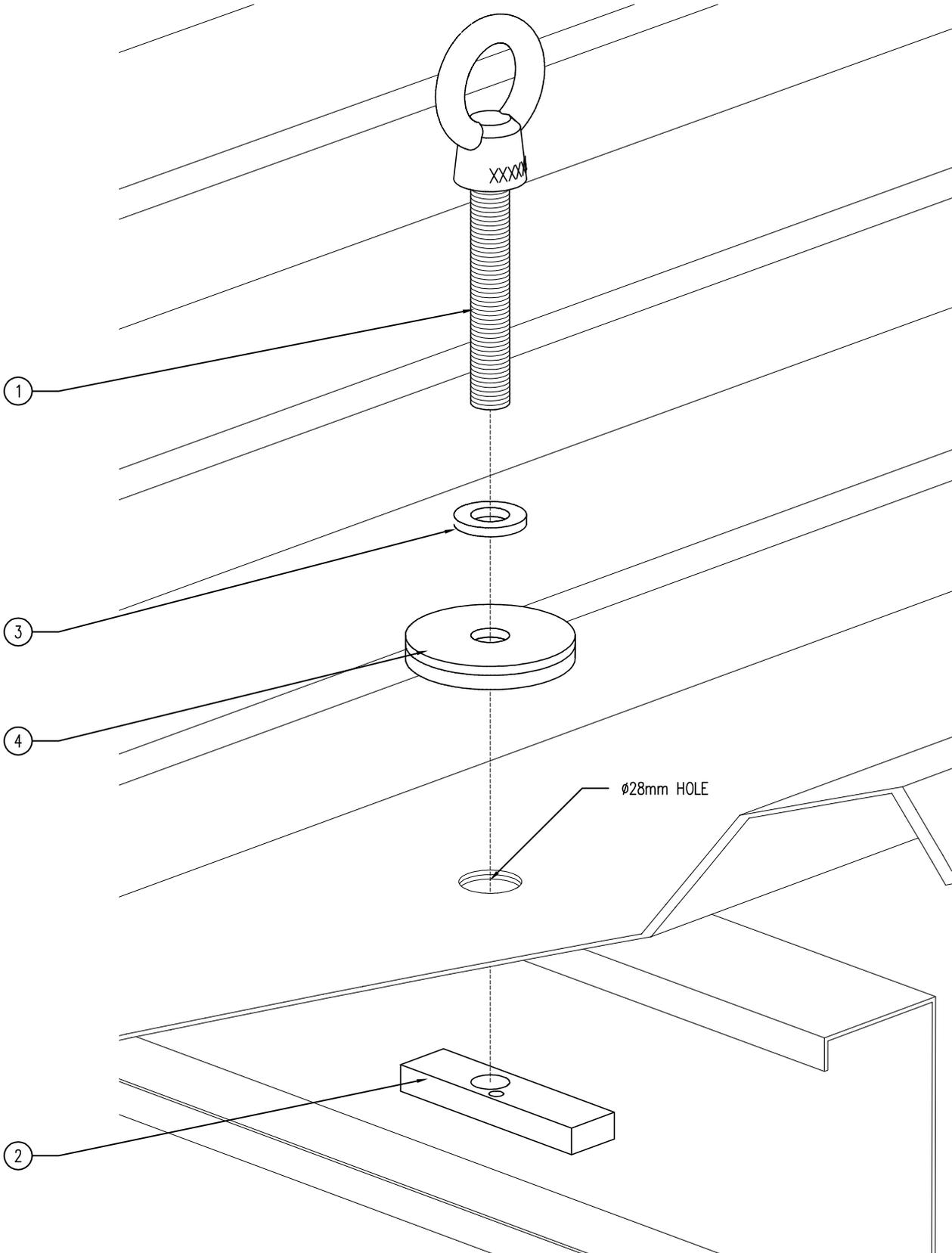




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**COMPONENTS:**

- ① 1076 - 16mm Eyebolt
- ② 1200 - 16mm Steel Retro Block
- ③ 1201 - Rubber Seal
- ④ 1197 -  $\phi$ 70mm S/S flange and Foam Seal

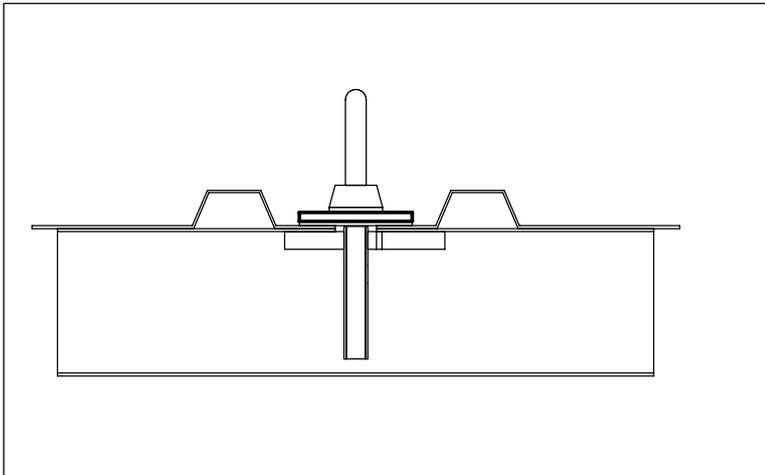


PLEASE NOTE: READ INSTALLATION GUIDE BEFORE INSTALLING ANCHORS.

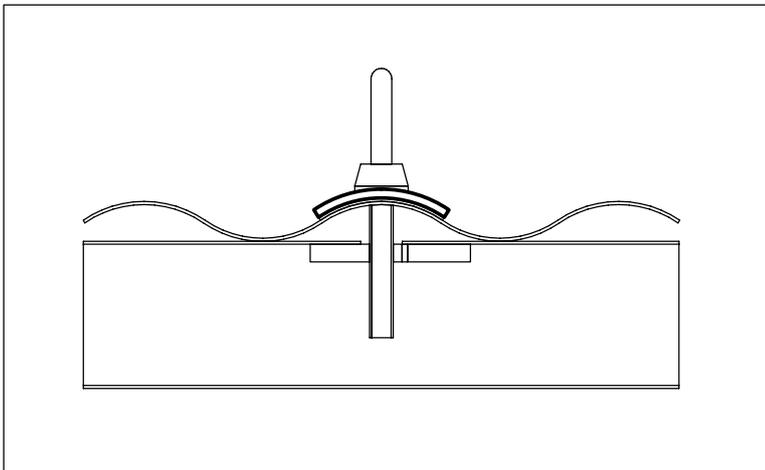
## 766364 Steel Purlin Mount Anchor Installation Details



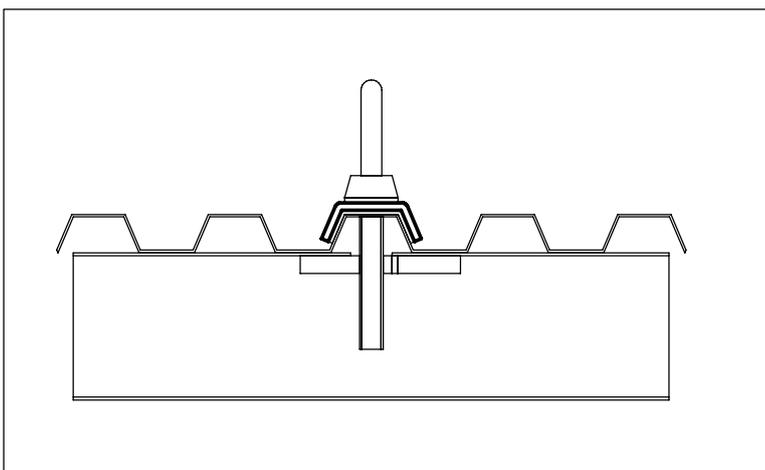
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Standard Tray Deck Roof with Standard Round flange. Hole to drilled into centre of pan.



Corrugated Roof Deck with Curved type of flange. Hole to be drilled through crest of Roof Deck.



Spandek type of Roof Deck with Folded type of flange. Hole to be drilled through crest of Roof Deck.



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