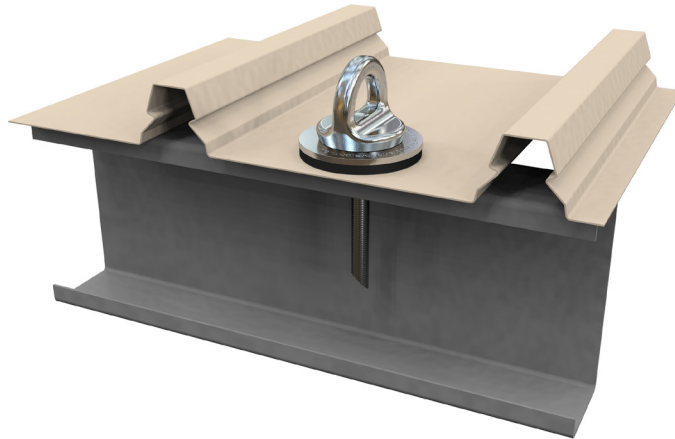


AA403 PURLIN ANCHOR

INSTALLATION INSTRUCTIONS



Things To Know:

AA403 has been developed as for applications in rope access (abseiling) but can also be used to support a fall arrest load of 15kN. It can be installed into steel purlins of various tray deck and kliplok types of roofs of the following minimum requirements:

- **Steel structure:** Minimum purlin gauge – 150mm x 1.2mm
- **Roof sheet:** Minimum sheet gauge – 0.42mm
- **Minimum roof size:** For rope access there must be minimum of 3 purlins supporting the roof sheet. For fall arrest there must be minimum of 5 purlins supporting the roof sheet. Refer to installation steps for details (fig 8)
- **Loading:** The anchor is designed to accommodate multi-directional loading typical of fall arrest and rope access systems always in the shear with the roof.

Anchor Rating:

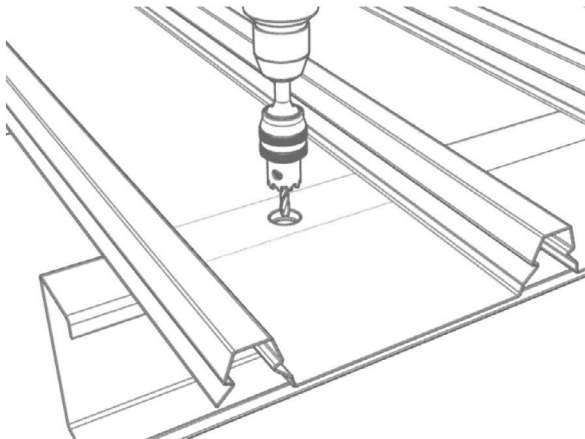
The AA403 purlin anchor has been independently tested in accordance with AS/NZS 5532:2025 and verified as a 15 kN rated rope access/ fall arrest anchorage device.

Tools Needed:

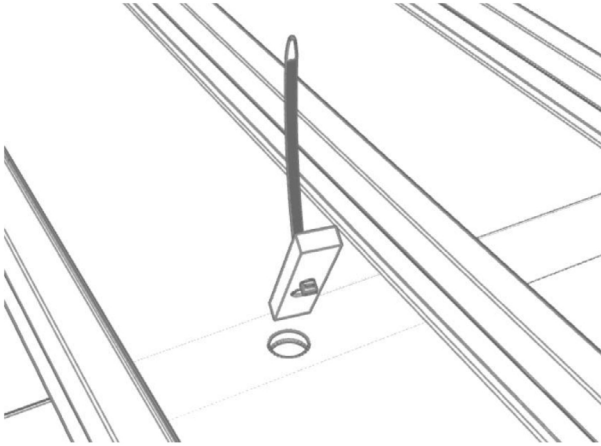
Cordless drill, 25mm hole saw, brush and dust pan or vacuum, a bar to tighten

Installation Steps:

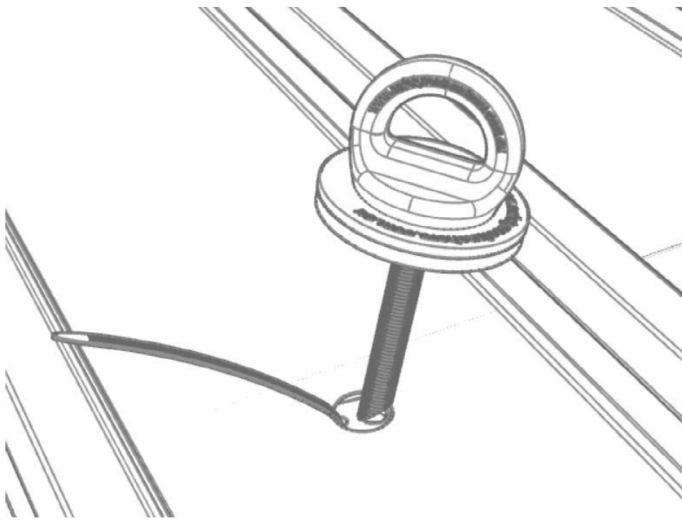
1. Assemble the 80mm plate with neoprene seal onto the eyebolt.
2. Drill a 25mm hole in the centre of the purlin at the required position.



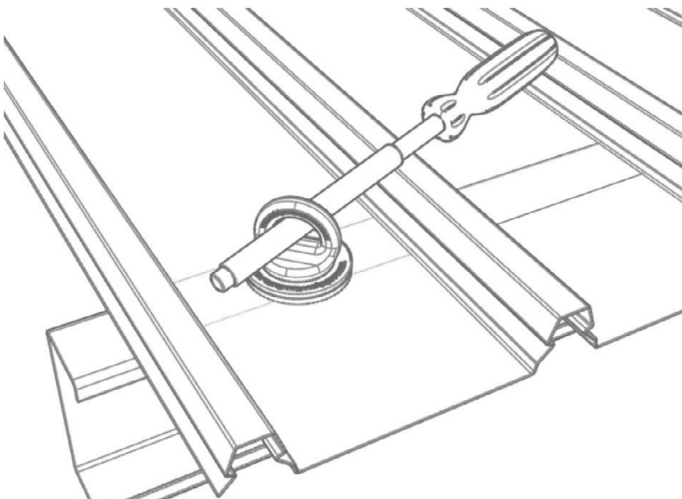
3. Feed the plastic cable tie through the small (5mm) hole in the steel block.



4. While firmly holding the cable tie, insert the block through the hole.
5. When the steel block is fully through the hole, pull the cable tie back, pressing the block firmly against the underside of the purlin. Make sure the threaded hole of the block is visible.
6. Using your other hand take the eyebolt and screw it into the steel block at least 6 turns.



7. Release the cable tie and let it fall through the roof.
8. Apply a small amount of sealant near the centre of the 80mm where the eyebolt will sit. This provides a watertight seal as well as lubrication of the surfaces for the next step.
9. Ensure the eyebolt faces the correct direction before fully tightening. The eye bolt can be now fully tightened using a bar (40Nm is recommended).



Note:

The neoprene seal will work better on a clean roof. In case the roof is not in a clean condition, it may require some sealant under the neoprene seal. A small amount of sealant is required to be applied between the eye bolt and the base plate to ensure water proofing as well as prevention from seizing during tightening.

Annual Re-certification:

All anchor points must be inspected and certified before their initial use and subsequently on regular basis to satisfy the requirements set out in AS/NZS 1891.4:2025 and ISO 22846:2020.

Note:

The roof structure must be assessed by a structural engineer unless it is clear to a suitably qualified person that it is capable of withstanding the forces imposed on it during arresting of a fall and during work positioning.

Disclaimer:

All product specifications and technical descriptions, recommendations and other information provided in this document are given as general guidance and advice, and are to be considered in conjunction with Safety Roof Anchors installation instructions and any other data available and applicable to each particular standard product or system. Use of such data is however the user's sole responsibility taking into account the intended application and actual conditions existing on the specific worksite. Consequent selection of the right product for any particular use remains the user's ultimate responsibility.

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