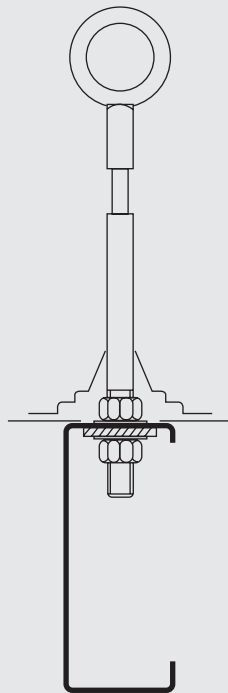


SAFEMASTER Installation Guide for

PURLIN ANCHORS



Read Entire Handbook before installing any Safemaster Product. All Products must be installed in accordance with Safemaster's Installation Handbook, using only products supplied by Safemaster. Failure to follow all warnings and instructions may result in a serious injury or death.



Safemaster
SAFETY PRODUCTS®



I. INSTALLATION PROCEDURES



READ CAREFULLY SOMEONE'S LIFE DEPENDS ON IT.

The building or structure for the anchorages should be assessed by an engineer, unless it is clear to a competent person that the anchorages system is structurally adequate.

Installation must be carried out by, or under the supervision of, a competent person.

When installing anchor points all safety procedures must be complied with in accordance with the current safety code/s or practice/s for working at heights.

To prevent galling use a spray can of nickel anti-seize.

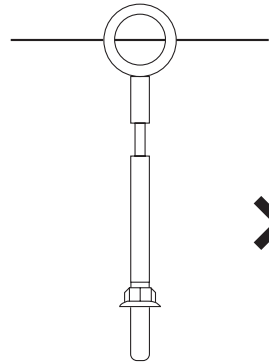
Recommended waterproofing for roof tiles: Sika Flex Co-Polymer Sealant

Recommended waterproofing for metal roof: Silicone Sealant

Recommended fastening adhesive: Loctite

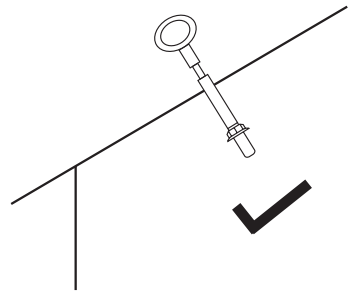
PERIODIC INSPECTIONS

All items of equipment which are in regular use shall be subjected to periodic inspection and servicing. These regular scheduled inspections and servicing must be carried out by a competent person. (Refer to AS/NZS 1891.4:2000 section 9 if clarification required or contact us). All warranties will become void after the first year if annual inspections are not carried out by a competent person.



WRONG

Do not place an object into the eye to tighten or untighten the locknut, as this may damage the eyebolt. Always use a spanner when tightening and un-tightening the nut.



RIGHT

It is recommended where practical to orientate the eyebolt in the direction most likely to arrest at fall.



II. CONSTRUCTION INSTALLATIONS

INSTALLATION OF A PURLIN ANCHOR POINT TO A METAL C OR Z PURLIN

When installing anchor points all safety procedures must be complied with in accordance with the current Australian Standards and Safety code/s of practice/s for working at heights.



During installation you must be safe at all times.

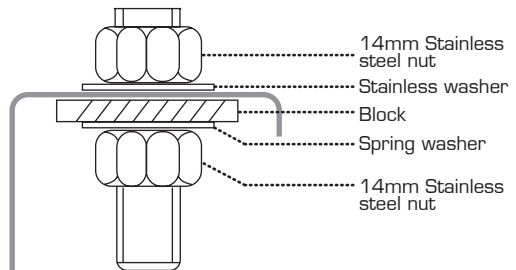
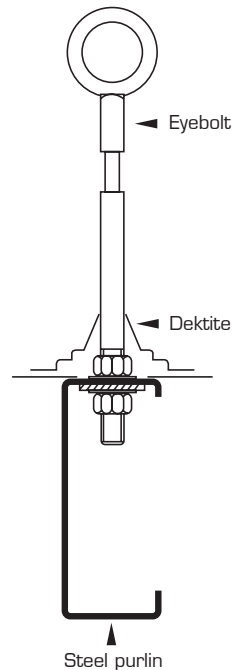
The first Retro Anchor must be in a position easily reached by a secured ladder or a manhole access point.

Inspect the steel for strength

Inspect how well the steel purlin is secured to the structure and any defects that may compromise the purlins designed strength. Minimum steel purlin C15015.



The building or structure for the anchorages should be assessed by an engineer, unless it is clear to a competent person that the anchorages system is structurally adequate.



Locating the Purlin

If the roof is screwed through the roof sheets simply follow the screws. If the roof sheeting has concealed fixing, finding the purlin is more difficult. You can lift a sheet to find the purlin or by walking on the roof you can feel the purlin. You can also use a strong magnet to find the purlin.

Marking and Drilling the Purlin Anchor Steel C & Z Purlin

This requires one installer on the top of the roof sheeting and the other under the roof sheeting. When working from under the roof sheeting first establish the centre of the high part of the profile of the roof sheeting and mark the centre of the purlin.

Once the position of the Purlin Anchor is established simply drill a 6mm pilot hole through the purlin and roof sheeting. From above the roof sheeting, drill a 25mm hole through the roof sheeting only, to locate the correct position (i.e. centre of purlin) before drilling a 16mm hole through the purlin.

You are now ready to install the eyebolt Fixing the Safemaster Stainless Steel Eyebolt

The DEKTITE should be on the eyebolt.

When screwing the nut onto the stainless steel eyebolt make sure it is fully screwed up.

Place the eyebolt through the 16mm hole; make sure the eyebolt is lined up with the fall of the roof. Now the person under the roof sheeting fits the steel block then a spring washer onto the eyebolt before screwing on a 14mm stainless steel nut. Tighten using a spanner.

Note: Use the same procedure to install a Safemaster abseiling eyebolt or a Safemaster intermediate post.

Waterproofing (apply only to a dry surface)

Apply sealant to the eyebolt underneath the DEKTITE in the cone so that when the DEKTITE is moved down to the roof it seals the hole where the eyebolt penetrates the DEKTITE.

Secondly apply a sealant between the DEKTITE and the roof sheeting. Secure the DEKTITE to the roof lining using a minimum of 8 fixing screws approx. 50mm apart.

The Purlin Anchor Point is now ready for use, giving you an Anchor Point to attach to while installing the next Safemaster Anchor Point.

Safemaster cannot be held responsible for any product that is not installed correctly. Person installing Safemaster Products must be approved 'Safemaster Products' installers. All persons installing Safemaster 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 Safemaster recommended methods and must be adhered to. Safemaster cannot be held responsible for incorrect installation documentation or procedures. Safemaster will endeavour to help and give guidance where necessary but cannot be held responsible for any 'mis-interpretations' or 'incorrect' advice. Safemaster 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. ES&OE applied to all Safemaster Documentation.

If you are uncertain and need help, please email: info@safemaster.net.au or Phone: **(08) 6218 5158** or visit our website: www.safemaster.net.au