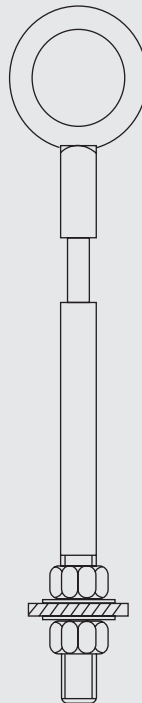


## SAFEMASTER Installation Guide for

# RETRO 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.

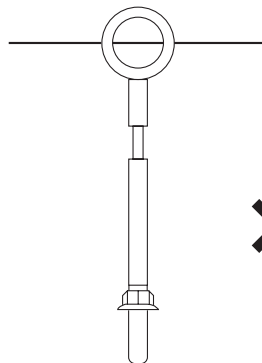
**Recommended waterproofing for roof tiles:** Sika Flex Co-Polymer Sealant

**Recommended waterproofing for metal roof:** Silicone Sealant

**Recommended fastening adhesive:** Loctite

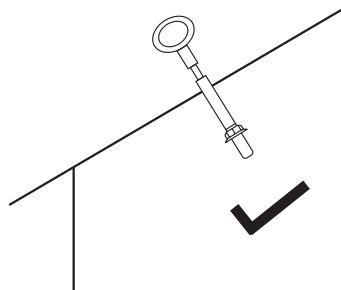
## PERIODIC INSPECTIONS

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 RETRO 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

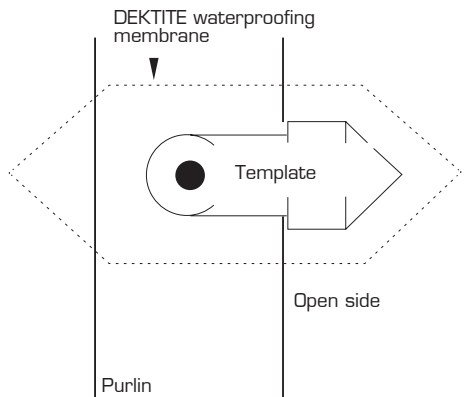
If the roof is screwed through the roof sheets simply follow the screws. If the roof sheeting has concealed fixing, finding the purlin is more difficult. You can lift a sheet to find the purlin or by walking on the roof you can feel the purlin. You can also use a strong magnet to find the purlin.

#### After locating the Purlin

You must establish the open side of the c-section Purlin. Drill a 10mm hole on one side of the Purlin then use a screw driver to check for the open side (the waterproofing membrane will cover the hole even if it is on the wrong side). Place Retro waterproofing membrane and 14mm stainless steel nut on the eyebolt screw the nut up.

#### After establishing the open side of the Purlin

Place the template on the roof lining up the template with the Purlin then using a pencil mark around the template and mark the hole and drill a 14mm hole through the centre of the Purlin. Using tin snips cut the roof sheeting around the template. You are now ready to fit the Retro anchor.



Use the incorporated positioning point to lower the block through the hole, position to block under the purlin lip and lift the block up to line up with the hole and screw in the eyebolt all the way.

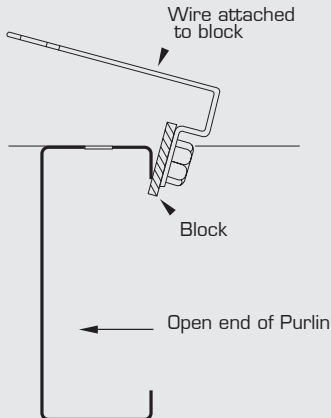
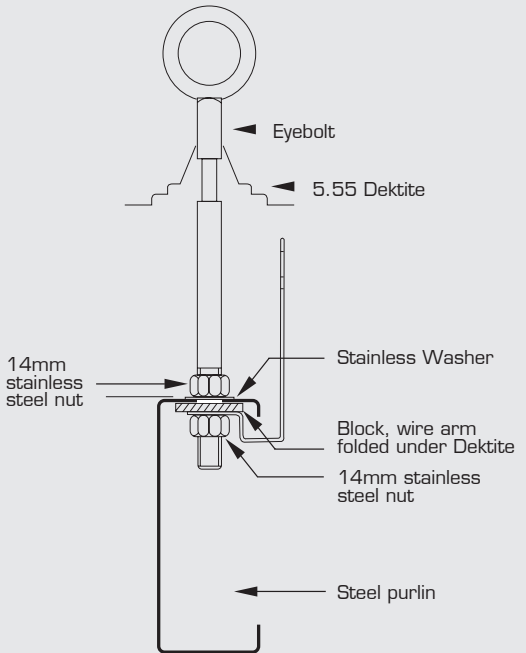
Before tightening the 14mm stainless steel nut, turn the eyebolt to line up with the fall of the roof. Tighten the nut using a spanner.

**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 approximately 50mm apart.



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](mailto:info@safemaster.net.au) or Phone: **(08) 6218 5158** or visit our website: [www.safemaster.net.au](http://www.safemaster.net.au)