



PROVIDING SOLUTIONS FOR SAFE WORKING AT HEIGHT

Slope Mounted Roof Anchor Operation & Maintenance Manual





Slope Mounted Roof Anchor Overview



INTRODUCTION

Roof Edge Fabrications' slope mounted roof anchors provide an easy to install range of permanently fixed roof anchor points designed to make maintenance work on roofs safer, quicker and more cost-effective.

The range features the standard roof mounted anchor and an adjustable ridge anchor for varying beam sizes.

- Allows safe and secure work on all sloping roof
- Cost effective alternative to scaffolding
- Permanent and secure anchor point
- External lead slate piece allows thermal movement whilst protecting against water ingress
- Suitable for most roofs including slated, tiled, metal tiled and metal clad

Slope mounted roof and ridge anchors offer solutions to solve different access problems when used correctly in conjunction with the appropriate PPE (Personal Protection Equipment). Independently tested by the NEL (National Engineering Laboratory), conforming to EN 795 or EN517 and CE approved to PPE (Personal Protective Equipment) Directive.

APPLICATION

The slope mounted roof anchor is a versatile fall arrest anchor, suitable for installation on most types of roof support and easily adjusted to limit the number of components. It permits contractors to attach industrial safety lanyards to a secure anchor point. The slope mounted roof anchor is specially designed to be mounted on the slope of the roof, which enables the anchor to be fixed next to the access point. This anchor is designed for single user applications only. An alternative version enables horizontal, flexible safety lines to be fitted.

The ridge anchor is a permanently fixed fall arrest anchor specifically designed to be mounted at the ridge of a pitched roof. This ensures the safest anchorage position above the position of the contractor whilst providing access to both sides of the roof from the one anchor point. It is adjustable to fit a wide range of roof trusses and supplied in two different sizes. The ridge anchor is designed for single user applications only. Adjustable to fit a wide range of roof trusses from 35mm x 97mm up to 75mm x 250mm.

DURABILITY

All components above the roof are stainless grade 316. and internal components are galvanised to EN ISO 1461

TESTING AND CERTIFICATION

All products are independently tested to:-

EN 795 Personal fall protection equipment - Anchor devices
EN 517 Prefabricated accessories for roofing. Roof safety hooks
BS 7883 Code of practice for the design, selection, installation, use and maintenance of anchor devices conforming to BS EN 795
ISO 14567. Personal protective equipment for protection against falls from a height - Single-point anchor devices

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LEGAL REQUIREMENTS

All fall arrest systems & PPE equipment need regular inspection and recertification in accordance with BS EN 365: Personal Protective Equipment against falls from height - General requirements for instruction for use and marking. This can be carried out by Roof Edge Fabrications as a service contract and included within the quotation for the system.

The Work at Height Regulations require that the employer/ building owner has a rescue plan and policy in place for all fall arrest systems

EASE OF INSTALLATION

Roof Edge Fabrications' Roof Anchors are easy and quick to install directly to the building's support structure. The roof mounted anchor includes an external lead slate piece which ensures the integrity of the building envelope once the anchor has been installed.

SETTING ROOFTOP SAFETY STANDARDS

The Roof Edge Fabrications range of Roof Anchors is fully tested and meets or exceeds current safety standards BS EN 795.

PRODUCT SPECIFICATION - SLOPE MOUNTED ROOF ANCHORS

GENERAL

Slope mounted and ridge anchors are designed to be used as a fall arrest single anchor point or as a structural anchor for those working on pitched roofs.

MATERIALS

All components above the roof are 316 Grade stainless and internal components are galvanised steel to BS EN ISO 1461.

DESIGN

The designed system consists of a stainless steel eyebolt and steel clamping system that utilises the structural members of the roof's construction for support.

The anchor is manufactured to clamp around structural members. Waterproofing is achieved via a piece of lead flashing.

DIRECTION OF LOADING

Due to the potential weaknesses in timber roof structures the anchors should only be used where the direction of loading would always be in the plane (i.e. down the slope) of the roof. Where it is possible that the arrest of a fall may result in forces applied across the roof structure (e.g. by a fall over a gable end) these anchors are not suitable. The anchors are compliant to EN 795 Class A2 and EN 517 Type A, one user only, with a maximum loading of 12kN.

TESTING

The system is fully tested and compliant with BS EN 795, BS 7883 and ISO 14567.

ANNUAL RECERTIFICATION

Re-certification is required annually in accordance to BS EN 365.

Fall Arrest System - Single User - Slope Mounted Roof Anchor					
Product Code	Min. Roof Member (mm)	Max. Roof Member (mm)	Max. Users	Max. Loading	Traverse Loading?
REF 1	97 x 35	250 x 75	1	12kN	No

Fall Restraint Structural Anchors to support horizontal flexible Life Lines					
Product Code	Min. Roof Member (mm)	Max. Roof Member (mm)	Max. Users	Max. Loading	Traverse Loading?
REF 1	97 x 35	250 x 75	1	12kN	No

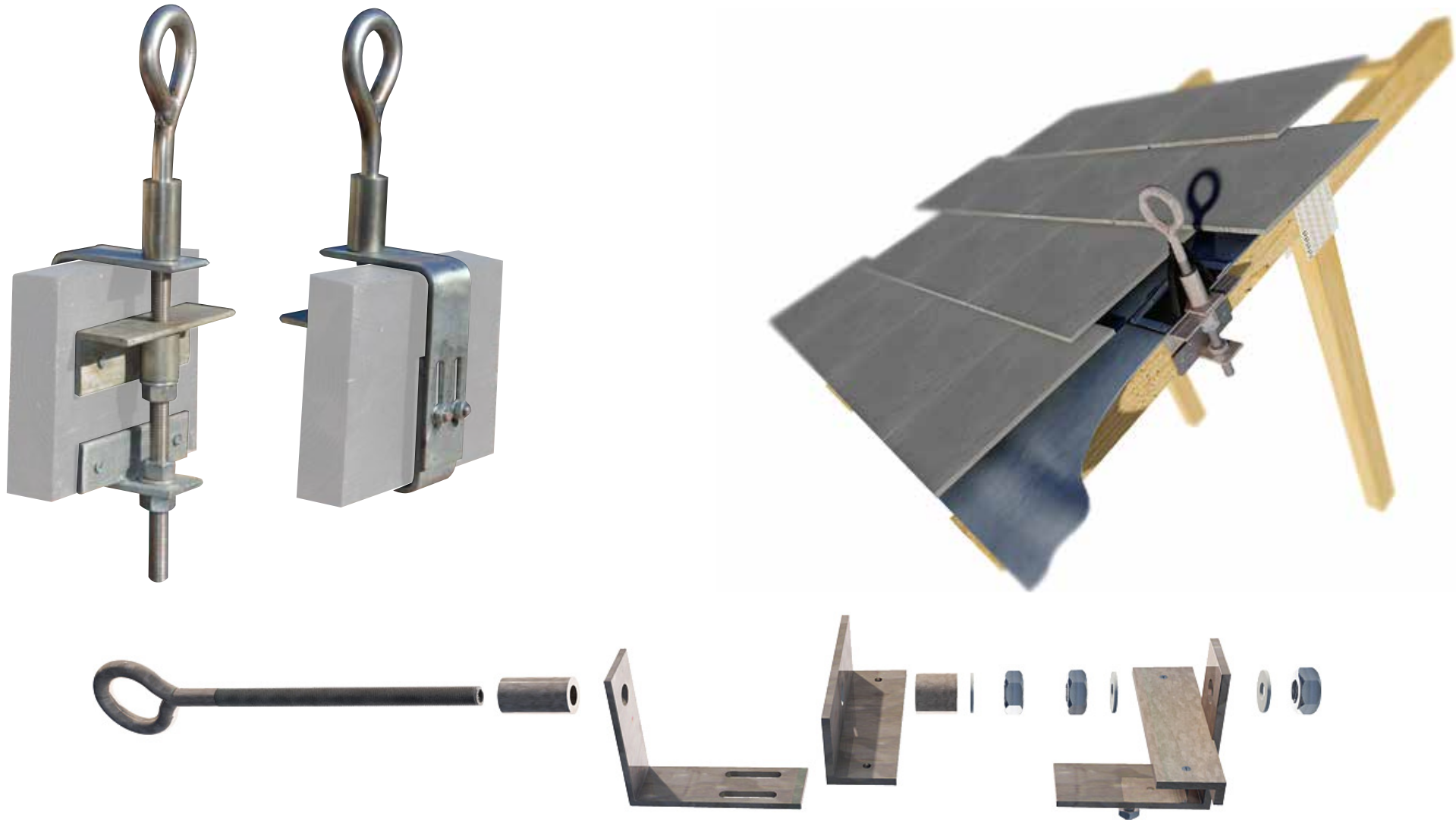
Fall Arrest Structural Anchors - Single User - Ridge Anchor Type RIDGE-RB					
Product Code	Min. Roof Member (mm)	Max. Roof Member (mm)	Max. Users	Max. Loading	Traverse Loading?
REF 2	97 x 35	250 x 75	1	12kN	No

SLOPE MOUNTED ROOF ANCHOR - REF1



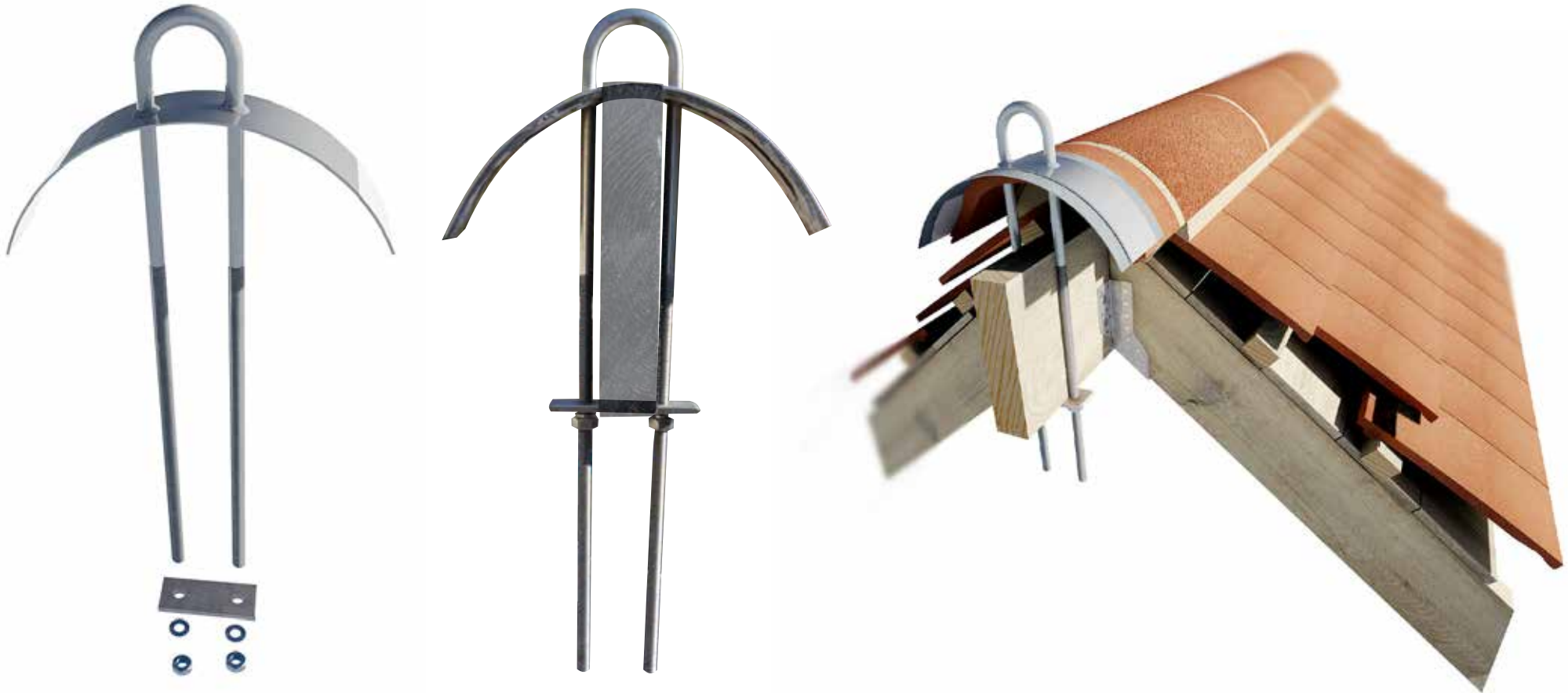
SLOPE MOUNTED ROOF ANCHOR - REF2





SLOPE MOUNTED ROOF ANCHOR - REF1

This assembly is supplied complete . Material : External components stainless steel AISI 316L. Internal components galvanised steel to BS EN ISO 1461.
Breaking strength >12kN. Max Net weight : 8.3kg including lead soaker flashing.



SLOPE MOUNTED ROOF ANCHOR - REF2

This assembly is supplied complete . Material : External components stainless steel AISI 316L. Internal components galvanised steel to BS EN ISO 1461.
Breaking strength >12kN. Max Net weight : 8.3kg including lead soaker flashing.

Slope Mounted Roof Anchor Recertification

- Periodic inspections by a competent person are recommended by the manufacturer and required under Regulation 5 of the Workplace (Health Safety & Welfare) Regulations, BS EN 365 & BS 7883. The frequency will depend upon environment, location and usage, but should be at least every 12 months.
- Check the system & configuration still serves the client's needs. Establish if any modifications, additional products are required to reflect any refurbishment or additional plant and equipment that has been installed and requires access.
- At least once every 12 months each anchor device and its structural steelwork should be examined by a competent person.
- Remove the demountable components and thoroughly examine for wear, defects & corrosion.
- Re-assemble all the components if satisfactory.
- After being re-assembled, each structural anchor should be submitted to an axial pull-out force of 6kN to confirm the soundness of the fixing. The structural anchor should sustain the force for a minimum of 15 seconds without deformation.
- Structural anchors that fail the test should be rejected.
- After testing, the structural fabric should be carefully examined for cracking or other signs of failure, and appropriate action taken if necessary. Should the structure fail, the hole should be plugged so preventing re-use and the device relocated in a sound structure.
- Should any anchor restrain a fall, then it must be removed and discarded, the socket be plugged and a new anchor fitted in a nearby suitable position.
- Anchorages in buildings which have been subject to fire and high temperature, impact damage or any similar detriment should be renewed.
- Check system plaque position & mark up to reflect date of the next required inspection. Establish if additional plaques are required due to any refurbishment works.





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