

## SAFETY HOOK SYSTEM (988900) SAFETY GUIDANCE

PLEASE READ IN **FULL** WITH A5 GRAPHIC INSTRUCTIONS

### Product Description

The Safety Hook System (Product Code 988900) is a combination fall arrest anchor, ladder hook and crawling board clamp.

- Structural anchorage point for industrial safety harnesses, offering multi-directional fall protection - eaves, verges and over ridge (EN517-B).
- Fixed support for securing roof ladders and crawling boards, offering down slope fall protection
- Fixing rail allows adjustment of hook position to suit tile profile

### Performance

- Provided for use by a single person with an energy absorber to EN 355 (**maximum workload 2.6kN**; deflection 5mm).
- Meets anchor device single static load test of 10kN.
- Designed, manufactured and tested to EN 517:2006 (Type B), EN795:1997 (Class A2) and BS 7883:2005.
- Guaranteed secure and weathertight for 15 years when used with the compatible range of Redland tiles
- BGIA (BG Institute for Occupational Safety and Health) tested and certified according to EC Directive terms for personal protective equipment (89/686/EEC)
- Facilitates compliance with the Health and Safety Executive's Working at Height Code of Practice (Health and safety in roof work 1999. HSG33)

### Pack Contents

Each Safety Hook System pack contains:

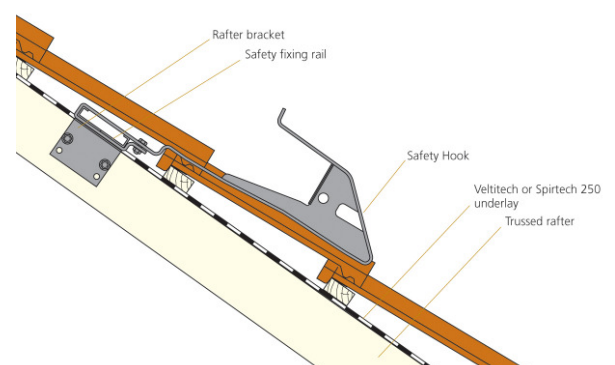
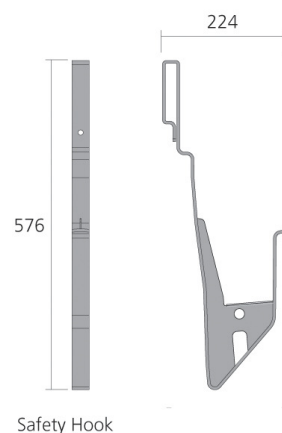
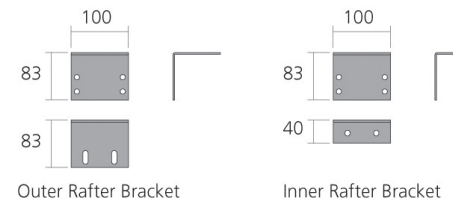
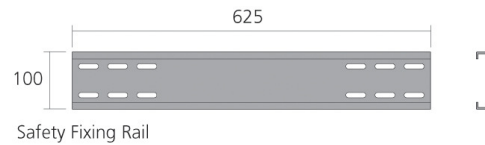
- 1 x Safety Hook (Hot-dipped Galvanised Steel 50µm)
- 1 x Safety Fixing Rail (Pre-galvanised Steel)
- 2 x Inner Rafter Brackets (Pre-galvanised Steel)
- 2 x Outer Rafter Brackets (Pre-galvanised Steel)
- 4 x M8 x 70mm A2 Bolts - Bracket to Rafter Fixings (Stainless Steel)
- 4 x M8 x 16mm A2 Bolts - Rail to Bracket Fixings (Stainless Steel)
- 9 x M8 A2 Nuts (Stainless Steel)
- 9 x M8 A2 Washers (Stainless Steel)
- 1 x Self-adhesive Foam Strip (5x40x150mm)

### Compatibility

- Suitable for use with the following tiles:
  - Landmark Double Pantile
  - Landmark Double Roman
  - Grovebury
  - 50 Double Roman
  - Regent
  - Renown
  - Mini Stonewold (including MockBond)
- Performs at the same range of pitches as above tiles
- Suitable for cold roofs and warm roofs with an air gap between the top of the rafters and the insulation. Not compatible with warm roof constructions with full-fill or on-top insulation
- Suitable for rafter spacings between 350-600mm, rafter widths of 35-50mm and rafter depths of 95-200mm

### Storage and Handling

- Store in original packaging in a cool, dry place.
- Not classified as hazardous during normal handling and use.
- The metal components are suitable for recycling.



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### Safety Advice

- Each time before use, the user should ensure that the hook and equipment is in good condition (no damage or corrosion)
- For equipment used as protection against high level falls, these should be subject to an inspection 12 months after their use by a qualified person and maintained if necessary (see EN 517)
- If the Roof Safety Hook has been subjected to a fall, the entire system should not be used again and replaced with a new unit
- It is the user's responsibility to take care of their health and safety in accordance with their tasks and training and also of people who are affected by any acts or omissions in their work
- If the Safety Hook is used as an anchorage point a full body harness system should be worn. The system should incorporate some form of energy absorber or energy dissipating element to ensure that the deceleration forces do not exceed 6g. The provision and use of fall arrest equipment is subject to the Personal Protective Equipment at Work Regulations 1992. Ensure these regulations and manufacturer's instructions are closely followed.
- Consideration should be given to how a person would be rescued after an arrested fall, particularly from high structures.
- The Roof Safety Hook must be installed in a position such that the user is afforded maximum security at all times. The choice of location must take regard of the following:
  - **Means of access to the roof** - the Safety Hook should be positioned so that the user may attach their safety line before he climbs on to the roof (i.e. at transfer point from ladder to roof). Ensure ladders are secured with ladder ties and lashes.
  - **Free movement over the roof** - it is recommended that an anchor line in conjunction with a manually adjusted rope grab should be used by anyone working on the roof. The safety line should be attached to a Safety Hook as near as possible to the apex of the roof and the rope grab attached to a connector which in turn should be fastened to the user's safety harness at the Dorsal attachment point. The length of the safety line and the position of a Safety Hook should be such that, while attached to the first Safety Hook the user may move to a second Safety Hook, near to the apex of the roof, to which they can attach the loose end of their safety line. At this time they should reverse the rope grab, return to the first Safety Hook and detach the safety line in order to continue working. Note that it is advisable for total security for the user to have a spare short adjuster attached to their harness so that this may be attached to the Safety Hook eye while the rope grab is being reversed.
  - **Securing work platforms** - the Safety Hook can also be used as a Crawler Board Clamp and is designed for use with 50mm thick scaffold planks, but may also be used with 32mm and 38mm thick planks. Follow the advice in Clause 13 of the Construction (Working Places) Regulations 1966 - S.I.1966 No.94 on the distance between supports for scaffold planks when installing the Safety Hook to secure crawling boards, work platforms or edge protection.
  - **Dual purpose installations** - where a Safety Hook is intended to have a dual role (i.e. single point anchorage and support for crawling boards) all the recommendations given above should be complied with.

Supplied in the UK & Ireland by:  
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### Installation Guidance Notes

#### Use the A5 graphic fixing instructions with the following guidance in order to install the Safety Hook System:

- Step 2 - locate timber rafters before making the cut 'a' in the underlay (50mm beyond rafter width). Check that timber rafters are structurally sound, not chemically treated, nor diseased.
- The Safety Hook System can be installed at batten gauges between 312-343mm (with compatible tiles listed).
- Step 2.2 - Safety Rail brackets should be bolted into the rafters 90mm up from the tiling batten below (start point)
- Step 2.3 - Proprietary Underlay Sealing Tape should be used to seal the cut underlay (vapour permeable underlay shown in graphic instructions). Alternatively with bituminous felt, fix an additional felt piece under the above lap and down over the bottom and side cuts (all by 150mm laps)
- Step 3 - Profiled tiles - establish exact location of the Safety Hook when fixing the safety rail to the rafters. Due to the roll height it is not possible to slide the hook once installed.
- Step 3 - Flat tiles - (i.e. broken-bond) ensure the Safety Hook lays over bond joint only (not in centre of tile), to avoid cutting the interlock above.
- Step 5 - Once the Safety Hook is installed, remove a small section of the underside of the tile, which will be laid above the hook. Using an angle grinder carefully cut a channel 34mm wide, by 5-8mm deep (dependent on tile profile) in the weatherbars (see COSHH approved code of practice).
- Once installed all surrounding tiles should be fixed with screws (at least two tiles in each direction).
- Follow the relevant Fall Arrest British Standards:
  - EN 517 (Type B), Prefabricated accessories for roofing - Roof Safety Hooks
  - EN 795 (Class A2), Protection against falls from height - Anchor devices - Requirements/ testing
  - BS 7883, Code of practice for anchor devices (EN 795)
  - EN 355, PPE against falls - Energy absorbers
  - EN 358, PPE for work positioning and prevention of falls
  - EN 364, PPE against falls from height - Test methods
  - EN 365, PPE against falls - Requirements/ maintenance
  - EN ISO 1461, Hot dip galvanised coatings on fabricated iron and steel articles - Test methods
- The following standards become relevant if harness and lanyard systems are also used with the Safety Hook:
  - EN ISO 1140; EN 353-1/ 2; EN354; EN 361; EN 362.

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