



RoofSafe™ Anchor

Ready to spring
into action when
you need it most



The innovative NEW
RoofSafe™ Anchor

with





Anchor visualisation showing SpiraTech™ Force Management Technology. Image for illustrative purposes only.

SpiraTech™ Force Management Technology.

A new product to meet the
needs of todays changing
work environment.

Current workplace legislation requires any person working at height to be properly protected against the risk of falling.

This is especially important for people required to work in many aspects of building maintenance tasks on roofs, as they can be exposed to significant risks while carrying out their duties.

Changes in weather, fragile roof elements, slips and trips, wind, steep inclines and slippery surfaces can all add to the dangers, so providing a safe system of work is essential, ensuring both compliance with regulations and the safety of employees and contractors.



RoofSafe™ Anchor



The Uniline RoofSafe™ Anchor from Capital Safety has been designed to eliminate or substantially reduce the risk of injury or death to users working at height, while ensuring the integrity of the structure to which it is attached.

Roofs are changing to accommodate more insulation materials and being designed to utilize lighter materials and take advantage of new technologies. At Capital Safety we are changing Uniline's roof anchor product to ensure the highest levels of safety in modern building design.

Our customers can benefit from modern roofing design and ensure safety and structural integrity by choosing our new and technologically advanced RoofSafe™ Anchor.

Additionally, as the desire to comply with health and safety regulations increases, the need for safety solutions on older building and structures increases. The new RoofSafe™ Anchor makes incorporating horizontal lifelines in older building more economical, allowing safety obligations to be met for realistic costs.

Standing Seam



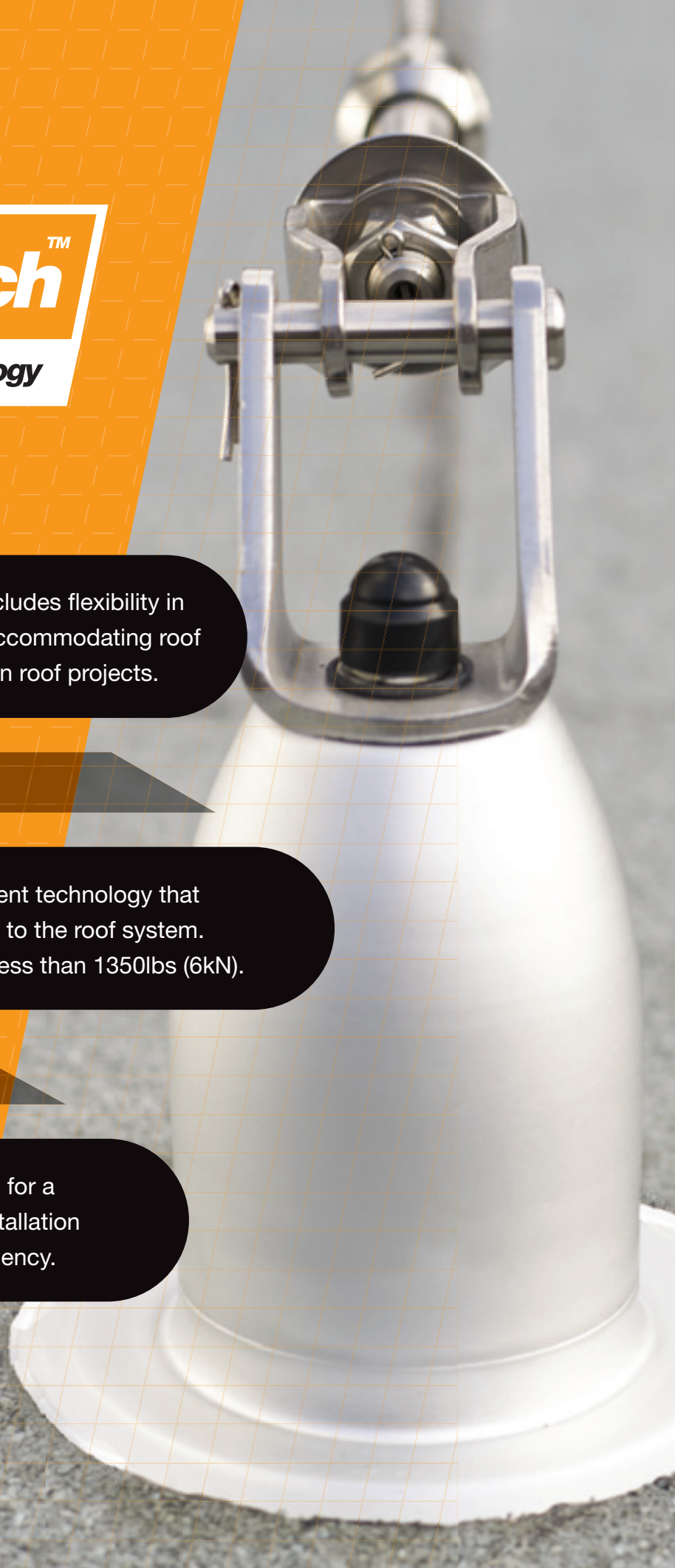


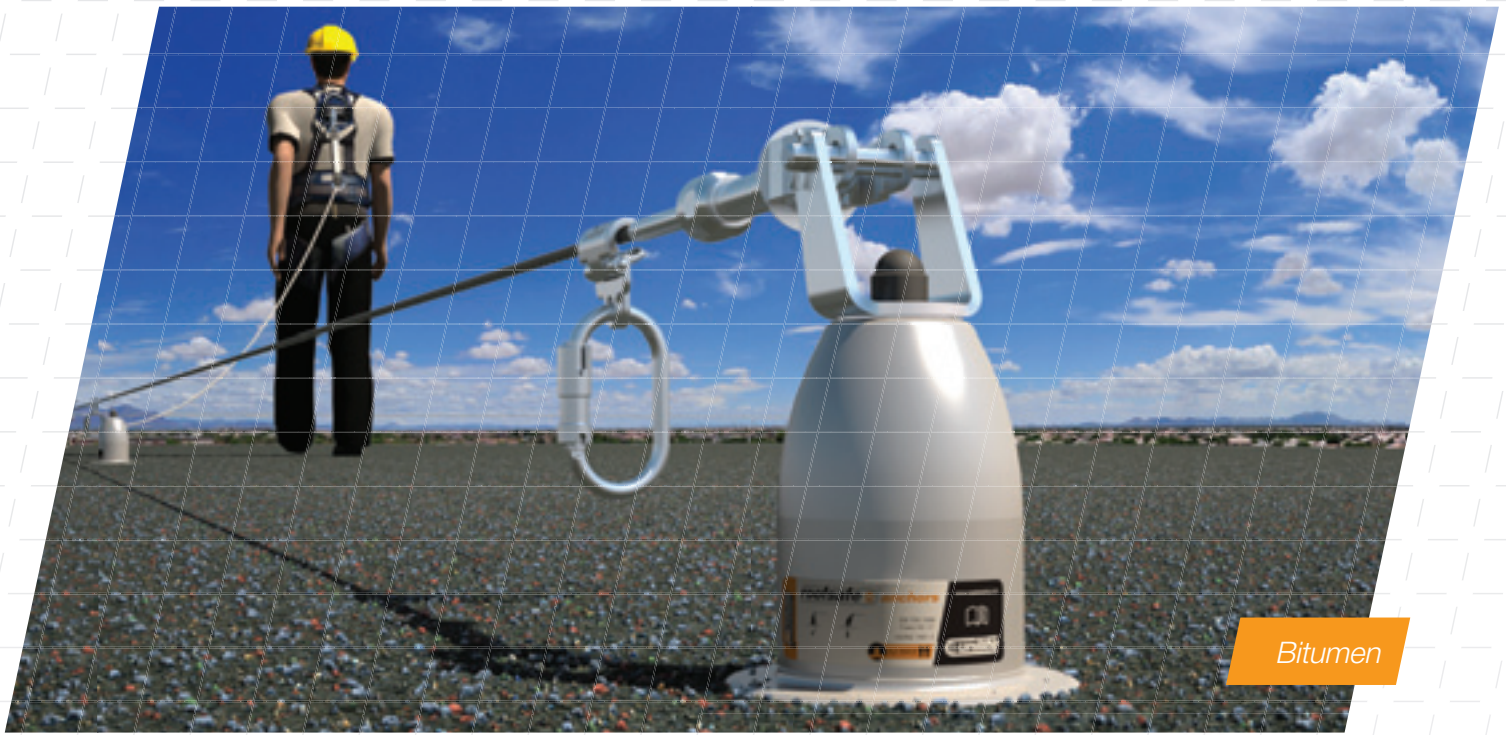
Force Management Technology

NEW Modular product includes flexibility in system design, including accommodating roof refurbishment and green roof projects.

NEW SpiraTech™ Force Management technology that provides the lowest distributed load to the roof system. The maximum end load in a fall will be less than 1350lbs (6kN).

NEW Toggle fitting system, for a faster, more cost effective installation and improved thermal efficiency.

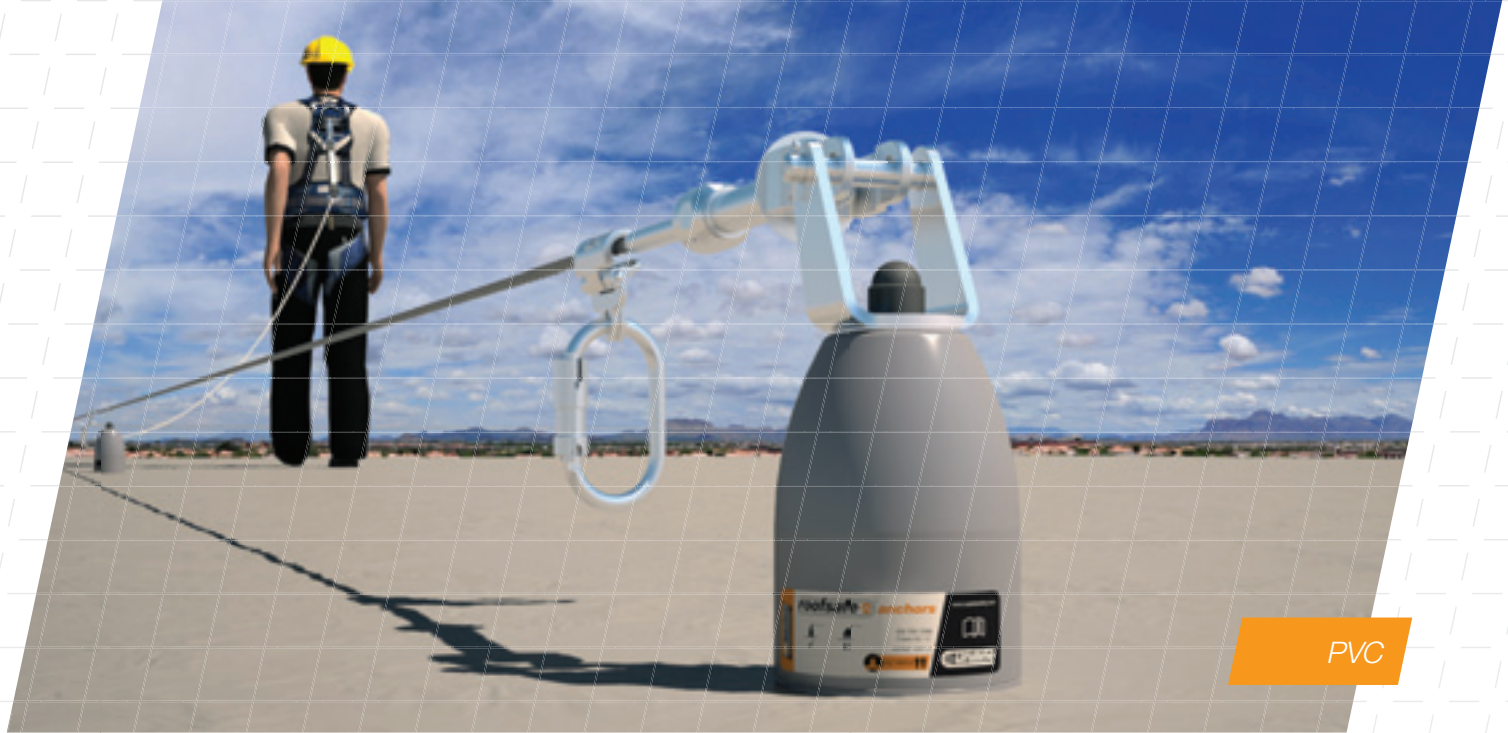




Features and Benefits



- The RoofSafe™ Anchor can be used for either work restraint or fall arrest and can be installed on standing seam, composite and built up roofing systems and multiple flat roofing and membrane roofing systems.
- The RoofSafe™ Anchor is multi-directional and can activate and absorb energy no matter which orientation the load is applied, providing total freedom and flexibility in system design.
- The unique energy absorbing system inside the RoofSafe™ Anchor has reduced the overturning moment on the fasteners by half compared to our previous anchor and those of our competitors, enabling us to utilize fewer fasteners in many circumstances. This reduces the number of roof penetrations and saves time and money during installations.
- For flat roofing systems we have designed a new toggle fixing method that speeds up installation time and reduces thermal bridging, reducing heat loss from a building. Both of these features save time and money for the customer.
- The RoofSafe™ Anchor utilizes marine grade alloys in its design to reduce the overall weight and save shipping costs. It has the additional benefit of being safer to move around the roof during installation.
- The RoofSafe™ Anchor is modular in design, taking less space to pack and ship, again reducing additional costs of installing a roof safety system.
- The RoofSafe™ Anchor has been designed so that a vertical pull test to 1125lbs (5kN) can be applied without affecting the anchors integrity. This enables annual test and verification of its structural integrity, ensuring compliance and peace of mind.



PVC



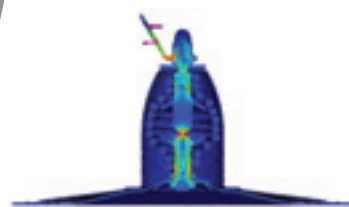
Built Up

- The base plate designs incorporate multiple fastener options to reduce the complexity of specification and in turn maximize inventory to ensure speedy delivery.
- The RoofSafe™ Anchor for flat roofing systems has been designed to be easy to weather proof ensuring the integrity of the building envelope and works perfectly in conjunction with 'Green' roofing systems.
- The RoofSafe™ Anchor looks smart and compliments modern building design, as well as fitting neatly with older buildings, enabling compliance and peace of mind no matter the type of project.
- The Anchor conforms to EN 795, OSHA, ANSI, AUS/NZ, standards and has been tested to both EN795 Class A and C Standards.

Anchorage Strength

The anchor has been designed to withstand the loads generated when a person falls from height while attached to the anchor. RoofSafe Anchors are designed with internal supports which enable the post to maintain correct system tension as well as allowing for annual testing of the strength of the fixings.

Forces on SpiraTech Anchor



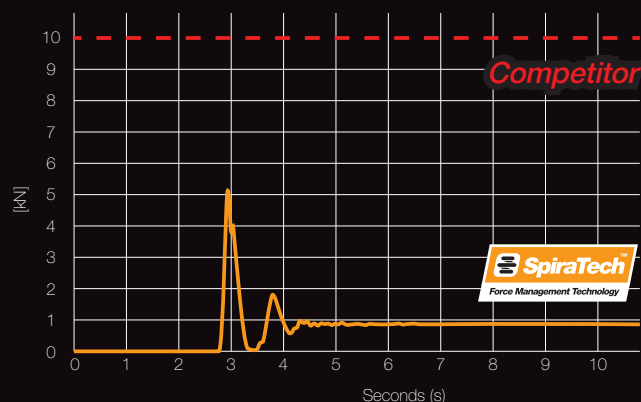
Deployed coil

Forces on Tip Over Anchor



Deployed wire form

Forces indicator: SpiraTech vs Competition



In the event of a fall, the RoofSafe™ Anchor breaks open, deploying the unique and patented SpiraTech™ Force Management Technology absorbing system, which reduces the forces generated on the roof structure to less than 1350lbs (6kN), the lowest of any of its kind on the market. This enables the anchor to be installed on a wide variety of old and new roof types without risk to structural integrity.

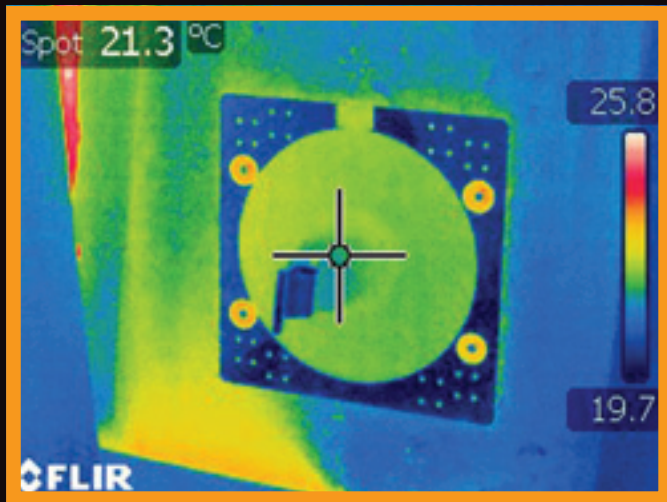
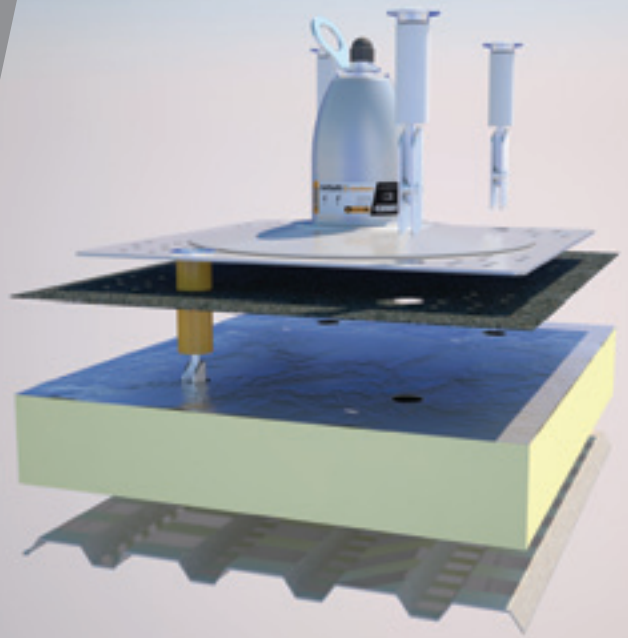


In the unlikely event that the anchor is deployed, it is possible to remove the SpiraTech™ module and replace it with a new one. This is also an advantage with the ever changing building regulations, with the need for increased depth of roof insulation.

Installation

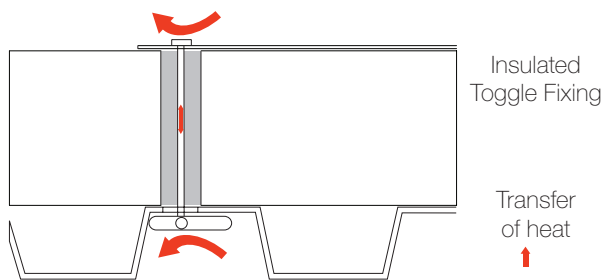
The RoofSafe™ Anchor can be used to facilitate the installation of a horizontal lifeline system that allows continuous uninterrupted access to all areas of a roof or alternatively can be used as a single point of anchor for maintenance tasks in localized areas.

The anchorage eye on the single point anchor product rotates to provide maximum functionality and safety in use.



Thermal Efficiency

The design of the RoofSafe™ Anchor reduces thermal bridging when used in flat roof applications, helping compliance with building regulations and saving money.



Tests show that the RoofSafe™ Anchor insulated toggle limits heat transfer to a temperature increase of just 4°C (40°F), and significantly reduces heat loss transferred to the baseplate.



The RoofSafe™ Anchor toggles minimize the affect of Thermal Bridging by insulating the area surrounding the toggle bolt.

Anchor Specification

The modular design allows the designer to choose and purchase the baseplate, module and top attachment separately. This gives true flexibility for application to any roof type or membrane.

Anchor Types There are two energy absorbing modules available, the SpiraTech™ Anchor and the Tip Over Anchor.

2 Person Modules / End Corners

The SpiraTech™ Anchor allows for 2 users to attach to the anchor for fall arrest and work restraint purposes. (Two users are not permitted for ANSI and CSA applications).

The SpiraTech™ Anchor will only be used in the end/corner position of a Horizontal Lifeline System. The lifeline is supported at regular intervals with the Tip Over Anchor.

(Please refer to typical system layout diagram)



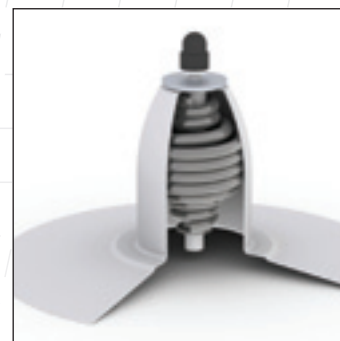
SpiraTech™ RoofSafe™
Anchor Module EC Top Fix



SpiraTech™ RoofSafe™
Anchor Module EC PVC



SpiraTech™ RoofSafe™
Anchor Module EC All Membranes



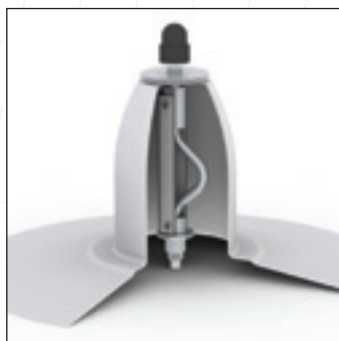
SpiraTech™ RoofSafe™
Anchor Module Bitumen

1 Person Modules / Intermediate

For those who do not require the SpiraTech™ Anchor the Tip Over Anchor is available for 1 user for fall arrest and work restraint purposes.



RoofSafe™ Anchor
Module Int Bit



RoofSafe™ Anchor
Module Int PVC



RoofSafe™ Anchor
Module Int PVC



RoofSafe™ Anchor
Module Int All Mem

Fasteners

A range of fasteners are available allowing the RoofSafe™ Anchor to be installed on a wide range of roof types.



Built up & Composite
Insulated Toggles



Standing Seam Clamps



7.7mm Rivets For Built Up
Metal Decks Roofs



Built Up Concrete Bolts

Base Plates

The Base plate designs incorporate several fixing holes to allow the same plate to be fitted on different roof types.

System Components

A range of system components are available including free flowing intermediate guides and corners attachments, providing complete hands free movement across a Horizontal LifeLine System



RoofSafe™ Anchor
Baseplate: 350 x 440H



RoofSafe™ Anchor
Baseplate: 350 x 440H



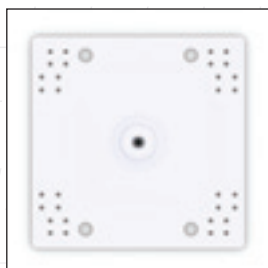
RoofSafe™ Anchor
System Eye & Pin



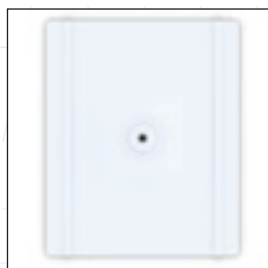
RoofSafe™ Anchor
90° Corner



RoofSafe™ Anchor
45° Corner



RoofSafe™ Anchor
Baseplate: 405 x 405H



RoofSafe™ Anchor
Baseplate 550x450 BL



RoofSafe™ Anchor
Single Point Eye



RoofSafe™ Anchor
Intermediate Guide



RoofSafe™ Anchor
Variable Intermediate Guide



RoofSafe™ Anchor
Baseplate 405x405 BL

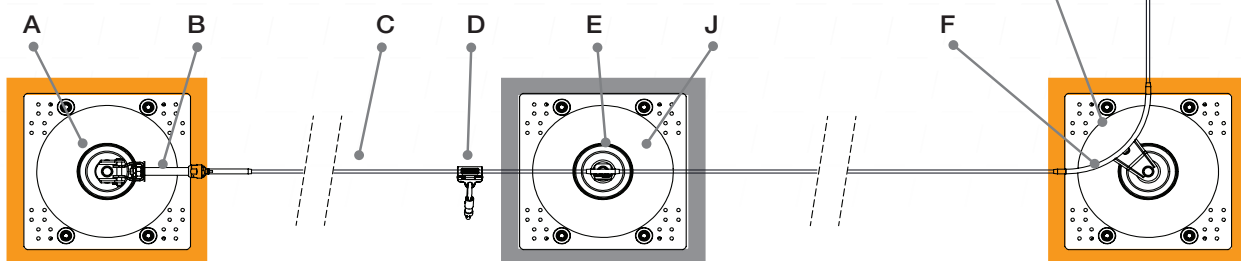


RoofSafe™ Anchor
Baseplate 350x440 BL

System Layout

- A RoofSafe™ Anchor System Eye & Pin
- B 8mm Hex Swage Tensioner
- C 8mm 7x7 SS Cable Per M
- D 8mm UniGrab & Carabiner
- E RoofSafe™ Anchor Intermediate Guide
- F RoofSafe™ Anchor 90° Corner
RoofSafe™ Anchor 45° Corner*
RoofSafe™ Anchor Variable Guide*
- G 8mm Hex Swage Toggle
- H RoofSafe™ Anchor Baseplate 405 x 405 H
- I RoofSafe™ Anchor Module End / Corner Bitumen
- J RoofSafe™ Anchor Module Intermediate Bitumen

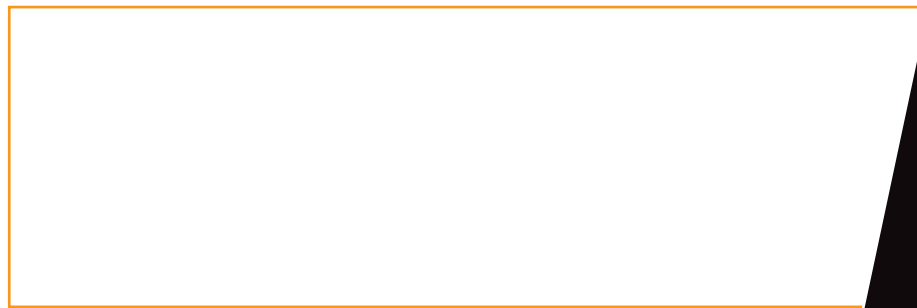
Fasteners for fixing to the structure are not supplied.
*This component is different from the one illustrated



Capital Safety, through our Uniline brand, is the global market leader in the design and manufacturing of engineered fall protection systems. Through a combination of expert knowledge and practical experience, we can help our customers reduce risk and increase safety when working at height.

Our comprehensive Uniline range of products offers fully compliant, practical solutions for structures of all types, in all industries. Our mission of delivering quality, service, training and support for our customers has earned Uniline a deserved reputation for excellence around the world.

Operating through specialized safety companies globally, Uniline provides local support and installation services to meet the specific safety objectives of all our customers.



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