

**roofsafe**  **rail**

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RoofSafe Rail Systems

 **uniline**



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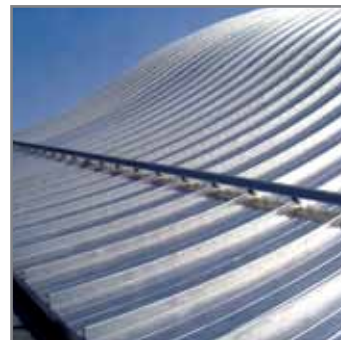
For more information about our range of equipment visit our website at [www.capitalsafety.com](http://www.capitalsafety.com)

## working safely at heights

Current workplace legislation requires that any person working at height should be properly protected against the risk of falling. This is especially important for people required to work on roofs for maintenance, inspection and construction tasks, as they can be exposed to significant risks. Changes in weather, fragile roof elements, slips and trips, wind and steep inclines can all add to the dangers, so providing a safe system of work for anyone required to access a roof is essential and ensures compliance with regulations and the safety of employees and contractors.

Roofs are also used to provide access for other regular building maintenance and inspection tasks, such as rope access work or access to cradles and suspended gantries, where the need for a secure and sometimes comprehensive anchorage system is essential.

With all of these considerations in mind, Capital Safety developed Roofsafe, an extruded aluminium rail system which combines a simple, functional anchorage system with very high levels of user safety and great aesthetics. It is the perfect compliment to any building and mitigates many of the risks associated with roof work.





comprehensive protection



top quality



great aesthetics

The Roofsafe Rail System offers the very latest in fall protection technological development. The extruded aluminium rail system can be fitted to built up and composite metal pitched roof systems and a variety of standing seam roof systems, providing an extremely aesthetically pleasing and practical safety system.

Roofsafe can be used to facilitate roof inspections, routine maintenance, gutter cleaning, façade access, access to roof plant and any number of other roof top work procedures.



# safety needn't compromise aesthetics

roofsafe for built up and composite roof systems

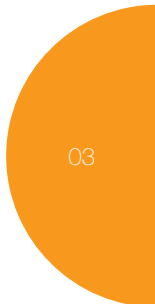
The system is fixed to the outer skin of the roof system using aluminium bulb type rivets. The use of this type of rivet in the correct sequence ensures safety, without compromising the integrity of the roof. The small penetrations are further sealed using approved roofing products and rivets are supplied with caps. Fixing holes are drilled on site to suit the roof profile, ensuring installation is quick, easy and cost effective.



composite roof



bulb type rivet



## key features and benefits of the system

- Roofsafe is the only direct to roof rail system that can facilitate changes in direction and roof slopes, ensuring continuous safe roof access where it is needed
- Roofsafe's low profile and discreet design provides an unobtrusive safety anchorage solution, ensuring a buildings appearance need not be spoilt by anchor points and cables
- Roofsafe provides a safety anchorage system for multiple users, allowing more complex maintenance tasks to be undertaken in an efficient manner, including suspended rope access work
- Even load distribution through the fixing system ensures complete safety in the event of a multi-user fall without damaging the integrity of the roof system
- The solid nature of the anchorage ensures no deflection or unnecessary loading of anchor points during use and makes the product especially beneficial on roofs with a pitch of more than 15 degrees.

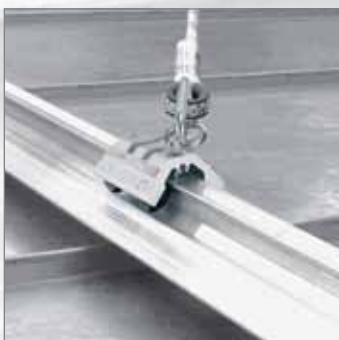
This gives the user a high level of confidence

- The simple and robust design of the Roofsafe product reduces the requirement for annual inspections under normal conditions, which in turn reduces the need to expose people to the risks associated with work at height. Typical maintenance periods extend to 5 year intervals, providing the additional benefit of reduced cost of ownership
- A four wheel attachment carriage runs effortlessly along the extruded aluminium rail, making the system extremely user friendly. An important factor when promoting the use of a roof safety anchorage
- The light weight modular rail system comes in 3m (9.84ft) sections, making it easy to transport and handle on site
- The Roofsafe System eliminates many common hazards associated with cable based fall protection systems including cable fretting, cable tension, cable deflections, accidental roof anchor deployment, passing of intermediate cable supports, roof sheet abrasion and roof traversing.

04

## roofsafe for standing seam roof systems

A range of non-penetrative clamps enables the system to be fitted to a variety of standing seam roof systems. The low profile, aesthetic benefits of the product lends itself especially well to this type of roofing system, which is often used on high profile and distinctive buildings.



standing seam installation



uniline S5 clamps



range of clamps



base plate

### base plate

The one piece base plate's unique profile facilitates ease of installation and directs water away from fixing points. Each length is joined with a spigot pin to provide additional strength and to help with alignment. Standard lengths are 3m (9.84ft).



spreader plates

### spreader plates

The spreader plates incorporate the same fixing features as the base plate and facilitate attachment of the system 'upslope' to a variety of wider roof profiles.



corners

### corners

The Roofsafe System is available with 90 and 45 degree corners as standard and ridge and valley rail joints can be formed to allow continuous attachment.

# key components of the roofsafe system

## product integration

Successful safety system design requires early input from trained safety professionals. Capital Safety's team is on hand to provide you with design input, identifying system layouts, fixing detail, structural suitability and discussing how the system will be utilised. This is an important feature of Capital Safety's product offer and it ensures that system designs are both safe and practical, providing complete functionality for future users.

For architects, Capital Safety can provide technical drawings and specification details to help with the inclusion of its products in building specification documents and tenders. e-mail: [design@capitalsafety.com](mailto:design@capitalsafety.com)

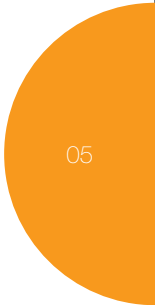
Local design assistance, site visits, installation and training is facilitated by our network of Approved Contractors, all of whom are trained and audited by Capital Safety to ensure our end user customers receive the best possible service.

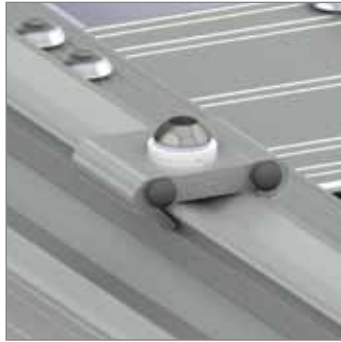


design guidance and support



system integration





end stops

### end stops

Stops incorporated at each end of the system provide a buffer for the attachment carriages and keep users a safe distance from the roof edge during use.



attachment carriage

### attachment carriage

The 4 wheel carriage, can be left permanently on the rail or removed for storage. A parking facility makes it ideal for work positioning activities on steeper roofs. The carriage's design allows it to glide easily along the system no matter what the angle of take off.



a choice of finishes

### Roofsafe Rail options

All components are made from 6000 series aluminium alloy and can be anodised or powder coated to provide additional resistance to environmental conditions or enhance the products aesthetic appeal. All stainless steel parts are manufactured from grade 316 or higher for good corrosion resistance.

### testing and approvals

When selecting a safety system for your building or structure, you need to feel certain you are providing a well engineered and totally safe solution to future access requirements, giving you peace of mind. Capital Safety go to great lengths in the design and development process to ensure that the products you buy are robust, functional and offer good value for money. Capital Safety operates comprehensive product testing programmes

in conjunction with major roof manufacturers to ensure Roofsafe offers the highest standards of safety, without compromising the roof systems performance.

Roofsafe conforms with International Fall Protection Standards including EN795, OSHA and AS/NZS.

Capital Safety operates an ISO9001 Quality System for your peace of mind.

### a complete solution

As well as Roofsafe, Capital Safety also offer steel wire and synthetic cable fall protection systems, roof anchors, other horizontal rail systems, rescue products and vertical climbing systems for permanent applications.

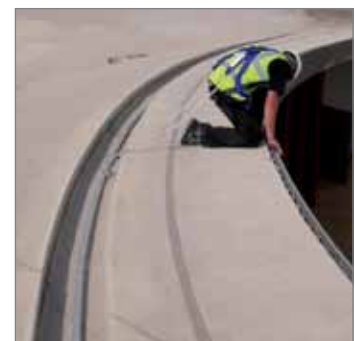
All of Uniline's systems provide hands free continuous protection and offer a wide range of fixing solutions for modern buildings and structures.



testing and approvals



dynamic performance test



multiple solutions



Many people engaged in Roofwork are actively using harnesses, lanyards and anchor points as part of their every day work activities. If they fall from or through a roof whilst attached to an anchor point it is unlikely they will be able to recover themselves. In this case, someone will need to recover the fallen worker in a safe and timely manner to prevent further trauma and in extreme cases, death. Capital Safety make rescue planning straightforward with their comprehensive product and service offer.

## evacuation & rescue at height

In the event that a person working at height falls whilst attached to a fall protection system, it is very unlikely that they will be able to recover themselves.

If this is the case, then specialist equipment used by trained personnel will be required to quickly and efficiently affect a rescue or recovery.

Failure to recover a worker suspended in a safety harness following a fall within a period of 20 minutes could lead to suspension trauma, which in some cases can be fatal.

In order to achieve such a rescue or recovery in time, it is essential that work is correctly planned, risks considered and intuitive equipment is available for use by competent people.

Capital Safety supply a range of brilliantly engineered and highly intuitive rescue and evacuation products, that when combined as part of a complete access solution, effectively mitigate workplace risks.

Each device has been developed to offer simplicity of use and increase user confidence so that rescue provision can be considered and implemented by those that need it across a wide range of industry sectors.

In many cases products offer cross functionality, which additionally reduces the need to carry multiple pieces of rescue equipment and saves money in both product and training.

Using Capital Safety's extensive experience we have put together a number of standard kits to ensure that you are equipped for every eventuality within your industry or sector.

### INDUSTRY ROOFING RESCUE & EVACUATION KIT



Capital Safety Group, through our Uniline brand is the global market leader in the design and manufacture 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 ethos of delivering quality, service, training and support for our customers has earned Uniline a deserved reputation for excellence around the world.

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

### roofing systems™

If you need a safety solution for roof access during maintenance and inspection tasks, then look no further than Uniline's Roofing product range. Our products, including roof anchors, horizontal lifelines & horizontal rail systems offer comprehensive protection for workers on all types of roofs.

### horizontal systems™

The products in our Horizontal systems range are some of the best know brands in fall protection safety. The versatility of these products combined with Uniline's expertise in fall protection ensures we can solve even the most complex of height safety problems in industry, construction, façade access and for all manner of building maintenance and inspection tasks.



### vertical systems™

The best vertical fall protection systems in the world won't let you down. The extensive development of this range of products for vertical structures including masts, towers, pylons, wind turbines, silos, bridges and chimney stacks ensures customers will enjoy the safest and most functional climbing experience possible.

### access systems™

A unique range of custom access products for challenging fall protection situations in transport and industry. These solutions are structurally analysed and designed to our customers exact needs and specifications.

local distributor/systems integrator

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