

# THE ULTIMATE IN MODULAR SYSTEM DESIGN

FLEXIBLE • COST-EFFECTIVE • VERSATILE



**ROOFSAFE™ ANCHOR AND CABLE SYSTEM**

# **MEETING THE NEEDS OF TODAY'S CHANGING WORK ENVIRONMENT**





Our comprehensive range of fall arrest and fall protection systems offer fully compliant, practical solutions for structures of all types in all industries. Our mission to deliver quality service, training and support for our customers has earned Capital Safety a deserved reputation for excellence around the world.

Capital Safety's certified trained installers provide industry-leading installation and training services throughout equipment life to help make your workers' safety a priority.

**To learn more about engineered systems and more, visit [www.capitalsafety.com](http://www.capitalsafety.com).**

# TABLE OF CONTENTS

PRODUCT OVERVIEW	4
FEATURES AND BENEFITS	5
APPLICATIONS OVERVIEW	5
SPIRATECH™ FORCE MANAGEMENT TECHNOLOGY	6
KEY COMPONENTS	7-9
INSTALLATION EXAMPLE	8
WORKING SAFELY AT HEIGHT	10
RECOMMENDED DBI-SALA® ACCESSORIES	11



# THE ULTIMATE IN MODULAR SYSTEM DESIGN



## PRODUCT OVERVIEW

The RoofSafe™ Anchor and Cable System is a horizontal lifeline system that allows continuous uninterrupted access to all areas of a roof. It can span up to 40 ft. (12m) between anchors and provides continuous hands free versatility for users of the fall protection system.

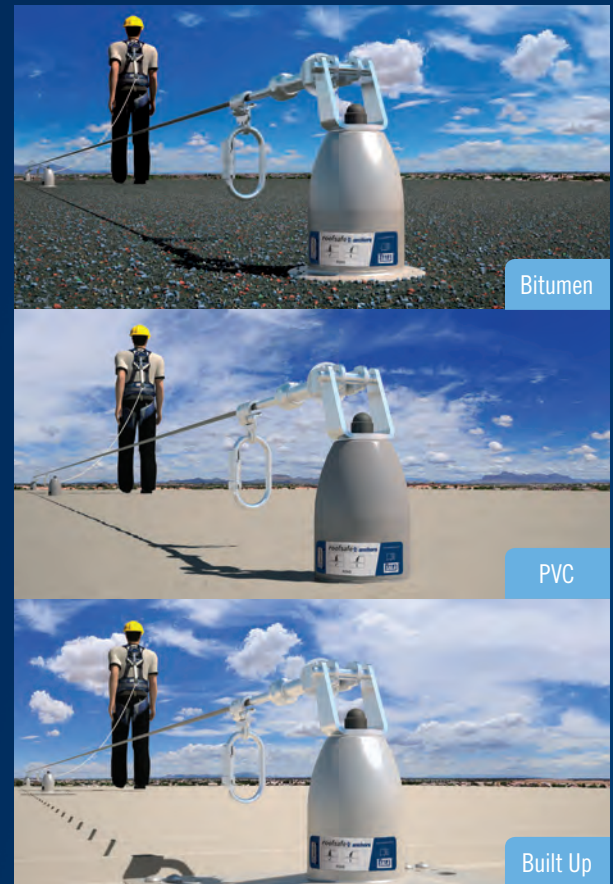
The system can be used for either work restraint or fall arrest and can be installed on standing seam, composite and built up roofing systems and multiple flat roofing and membrane roofing systems. The RoofSafe™ Anchor can also be used as a single point of anchor for maintenance tasks in localized areas.

In 2011 Capital Safety acquired Uniline™ Safety systems and the RoofSafe™ Anchor and Cable was added to its product offering. This system has now been combined with the DBI-SALA® evolution™ system to bring together two established and well respected horizontal lifelines while maintaining all the features and benefit of both systems.

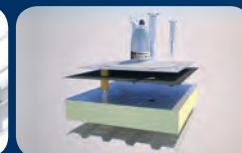
# FEATURES AND BENEFITS

- **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 reduces the overturning movement on the bolts by half, enabling the use of fewer fasteners in many circumstances. This reduces the number of roof penetrations and saves time and money during installations.
- **The toggle fixing method** for flat roofing systems 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.
- **The RoofSafe™ Anchor** is modular in design, taking less space to pack and ship. In the unlikely event that the anchor is deployed, it is possible to remove the top module and replace it with a new one.
- **The RoofSafe™ Anchor** has been designed so a vertical pull test to 1,125 lbs. (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.
- **The base plate designs** incorporate multiple attachment options to reduce the complexity of specification to maximize inventory and speedy delivery.
- **The RoofSafe™ Anchor** for flat roofing systems has weather proof design to ensure the integrity of the building.
- **The RoofSafe™ Anchor** compliments modern building design, as well as older buildings, enabling compliance and peace of mind no matter the type of project.
- **The RoofSafe™ Cable System** uses high quality 316 stainless steel cable to offer excellent freedom of movement to navigate corners and building contours.
- **The system spans up to 40 ft. (12m)** between intermediate supports, minimizing roof penetrations.
- **Electro-polished components** provides long-term corrosion resistance.\*
- **System performance** can be calculated using custom design software providing assured levels of safety. The system maintains a minimum safety factor of two for multiple users.
- **The Uni 8™ evolution™ Traveler** can be used on either side of the line without removing and reattaching it allowing the user flexibility to move around the system.
- **The RoofSafe™ Anchor and Cable System** conforms to EN 795, OSHA, AS/NZ, standards and has been tested to both EN795 Class A and C Standards.

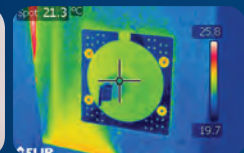
\* Some aggressive environments can cause corrosion and discoloration of stainless steel.



Standing Seam Solution



Toggle Fixing Method



Reduced Thermal Bridging

## APPLICATIONS OVERVIEW

The RoofSafe™ Anchor can be used to facilitate the installation of a horizontal lifeline system to allow 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.

Roofs are being designed to utilize lighter materials and take advantage of new technologies. The advanced design of the RoofSafe™ Anchor allows customers to benefit from modern roofing design while ensuring safety and structural integrity.

Additionally, as the desire to comply with health and safety regulations increases, the need for safety solutions on older building and structures increases. The RoofSafe™ Anchor and Cable System is ideally suited for installation on an older building that requires a fall protection system.



# The Innovative RoofSafe™ Anchor with SpiraTech™ Force Management Technology

**READY TO SPRING  
INTO ACTION WHEN  
YOU NEED IT MOST**

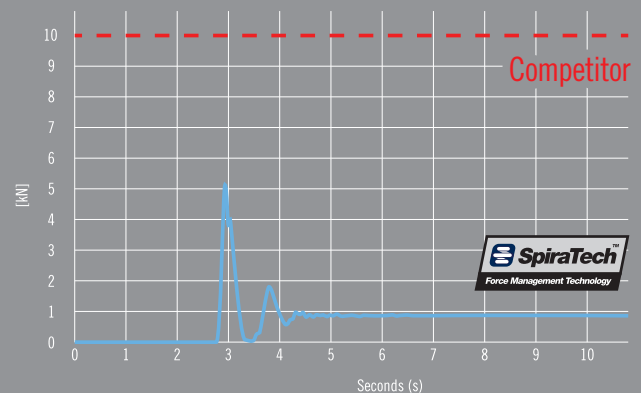


## SPIRATECH™ FORCE MANAGEMENT TECHNOLOGY

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 1,350 lbs. (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.

### Forces indicator: SpiraTech™ vs Competition



# KEY COMPONENTS

Choose and purchase the baseplate, module and top attachment separately for true flexibility with any roof type or membrane application.

## MODULES

### END/CORNER MODULES

The RoofSafe™ Anchor allows for users to attach to the anchor in a Horizontal Lifeline System application for fall arrest and work restraint purposes. The RoofSafe™ Anchor will only be used in the end/corner

position of a Horizontal Lifeline System. The lifeline is supported at regular intervals with the Intermediate Anchor. (Please refer to typical system layout diagram).



#### ROOFSAFE™ ANCHOR

Module End/Corner Standing Seam



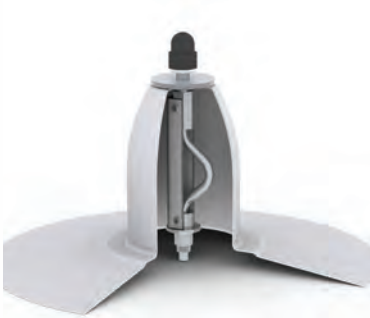
#### ROOFSAFE™ ANCHOR

Module Intermediate Standing Seam



#### ROOFSAFE™ ANCHOR

Module End/Corner Bitumen



#### ROOFSAFE™ ANCHOR

Module Intermediate Bitumen



#### ROOFSAFE™ ANCHOR

Module End/Corner All Membrane



#### ROOFSAFE™ ANCHOR

Module Intermediate All Membrane



#### ROOFSAFE™ ANCHOR

Module End/Corner PVC

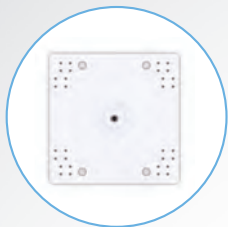


#### ROOFSAFE™ ANCHOR

Module Intermediate PVC

## BASE PLATES

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



**ROOFSAFE™ ANCHOR BASEPLATE**  
16" x 16" (405mm x 405mm)  
with Holes



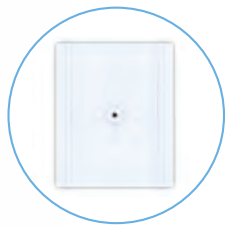
**ROOFSAFE™ ANCHOR BASEPLATE**  
16" x 16" (405mm x 405mm)  
with no Holes



**ROOFSAFE™ ANCHOR BASEPLATE**  
14" x 17" (350mm x 440mm)  
with Holes



**ROOFSAFE™ ANCHOR BASEPLATE**  
14" x 17" (350mm x 440mm)  
with no Holes



**ROOFSAFE™ ANCHOR BASEPLATE**  
22" x 18" (550mm x 450mm)  
with no Holes



## SYSTEM COMPONENTS

A range of system components are available including free-flowing intermediate guides and corner attachments, providing complete hands-free movement across a Horizontal Lifeline System.



**ROOFSAFE™ ANCHOR**  
System Eye & Pin



**ROOFSAFE™ ANCHOR**  
90° Corner



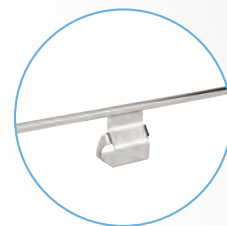
**ROOFSAFE™ ANCHOR**  
45° Corner



**ROOFSAFE™ ANCHOR**  
Single Point Eye  
3,600 lbs. (16kN) rated



**ROOFSAFE™ ANCHOR**  
Intermediate Guide

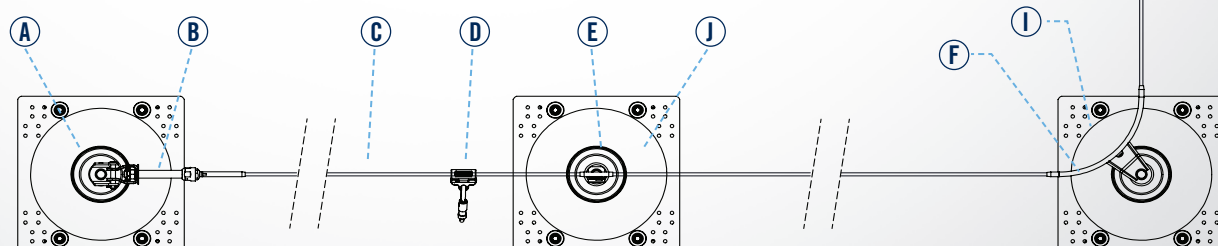


**ROOFSAFE™ ANCHOR**  
Variable Intermediate Guide

## INSTALLATION EXAMPLE

- A ROOFSAFE™ ANCHOR SYSTEM EYE & PIN
- B 0.31" (8mm) HEX SWAGE TENSIONER
- C 0.31" (8mm) 7 X 7 SS CABLE PER FOOT
- D 0.31" (8mm) UNIGRAB & CARABINER
- E ROOFSAFE™ ANCHOR INTERMEDIATE GUIDE
- F ROOFSAFE™ ANCHOR 90° CORNER
- G 0.31" (8mm) HEX SWAGE TOGGLE
- H ROOFSAFE™ ANCHOR BASEPLATE  
16" X 16" (405mm X 405mm) WITH HOLES
- I ROOFSAFE™ ANCHOR MODULE END / CORNER BITUMEN
- J ROOFSAFE™ ANCHOR MODULE INTERMEDIATE BITUMEN

Fasteners for fixing to the structure are not supplied





## TRAVELERS



**UNI 8™ EVOLUTION™ TRAVELER**



**UNI 8™ UNIGRAB**

## END FIXINGS



**UNI 8™ TENSIONER**



**UNI 8™ 0.31" (8mm)  
HEX SWAGE TOGGLE**



**UNI 8™ 0.31" (8mm)  
HEX SWAGE JOINER**

## FASTENERS

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



**BUILT UP & COMPOSITE  
INSULATED TOGGLE BOLTS**



**STANDING SEAM CLAMPS**



**0.30" (7.7mm) RIVETS  
FOR BUILT UP METAL  
DECKS ROOFS**



**BUILT UP CONCRETE BOLTS**

# WORKING SAFELY AT HEIGHT

## ONE OF THE MAIN CAUSES OF DEATHS AND INJURIES AT WORK IS FALLING FROM HEIGHT.

When working at height is unavoidable and other means of protection are not possible, horizontal fall protection systems may be your best solution.

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, steep inclines and slippery surfaces can all add to the dangers, so providing a fall protection system is essential, ensuring compliance with regulations and a safe work environment.

The user attaches to the RoofSafe™ Anchor or Cable System via personal protection equipment (PPE) such as a harness and an energy absorbing lanyard.

The RoofSafe™ Anchor and Cable System is typically installed by a Capital Safety Certified Installer, with inspections every 12 months to ensure system integrity.

The RoofSafe™ Anchor and Cable System combined with good management controls provides a simple, yet comprehensive solution that will ensure compliance with current regulations in most circumstances.



# RECOMMENDED DBI-SALA® ACCESSORIES



EXOFIT NEX™ HARNESS

EXOFIT NEX™



EZ-STOP® LANYARD



**NANO-LOK™**  
SELF RETRACTING LIFELINE

NANO-LOK™ EDGE SINGLE CABLE





## INNOVATION THAT BRINGS WORKERS AT HEIGHT HOME SAFELY.

Capital Safety is a global company solely dedicated to fall protection and rescue. Our focus is razor sharp. And it continually drives us to design and manufacture the safest possible height safety gear.

We understand the industries we serve and listen to the workers in the field. We employ the best engineers to create innovative solutions and patent the products that keep workers safe at heights around the world. Capital Safety has the best quality and largest range of fall protection products in the industry. But we're more than a product company.

We take an innovative approach in bringing our products to the field. We have created international partnerships and a vast network of authorized distributors, certified installers and service centers. We offer on-site and in-house training. And we're ISO 9001-2000 certified for customer service, as well as manufacturing and engineering.

Capital Safety is one of the world's leading manufacturers of fall protection and rescue equipment, with decades of experience and a legacy of innovation. Look for complete solutions in our extensive line of DBI-SALA® and Protecta® products.



Capital Safety - USA: 800 328 6146  
Canada: 800 387 7484 | Latin America: +1 651 385 4301  
Asia: +65 65587758 | Germany: +49 7195 977 11 14  
New Zealand: +64 0800 212 505 | Australia: +61 1800 245 002  
Europe, Middle East, Africa: +33 (0)4 97 10 00 10  
Northern Europe: +44 (0)1527 548000  
[www.capitalsafety.com](http://www.capitalsafety.com) [info@capitalsafety.com](mailto:info@capitalsafety.com)