ROOFSAFE™ ANCHOR AND CABLE SYSTEM

roofsafe anchors

ROOFSAFE™ ANCHOR AND CABLE SYSTEM

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For more information about our range of equipment visit our website at www.capitalsafety.com

PRODUCT OVERVIEW

The RoofSafe™ Anchor and Cable Systems is a horizontal lifeline system that allows continuous uninterrupted access to all areas of a roof. It can span up to 12m between anchors and provides continuous hands free access 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 localised areas.

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

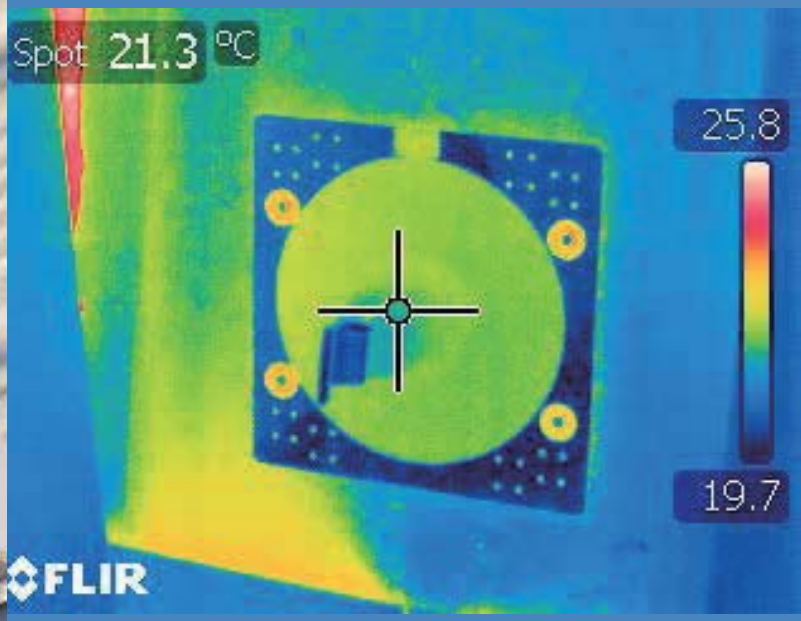
MEETING THE NEEDS OF TODAYS CHANGING WORK ENVIRONMENT

ROOFSAFE™ ANCHOR AND CABLE SYSTEM

FEATURES AND BENEFITS

- The RoofSafe™ Anchor is multi-directional and can activate and absorb energy no matter in which orientation the load is applied, which provides total freedom and flexibility in system design.
- The unique energy absorbing system inside the RoofSafe™ Anchor reduces the overturning moment on the fixings by half compared 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 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 utilises 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. 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 that a vertical pull test to 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 fixing options to reduce the complexity of specification and in turn maximise 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.

Toggle Fixing Method



Reduced Thermal Bridging

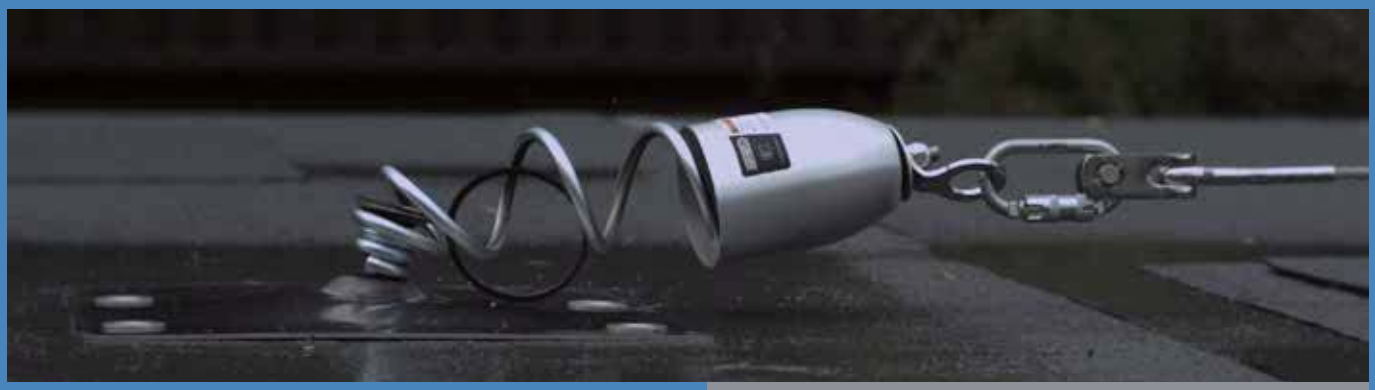
- The RoofSafe™ Anchor looks smart and compliments modern building design, as well as fitting neatly with older buildings, enabling compliance and peace of mind no matter the type of project.
- The anchorage eye on the single point anchor product rotates to provide maximum functionality and safety in use.
- The Roofsafe™ Cable system uses high quality 316 stainless steel cable system offering excellent freedom of movement which allows the user to safely navigate corners and building contours.
- The system spans up to 12m (40ft) between intermediate supports, minimising roof penetrations.
- Electro polished components provide 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™ Traveller 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, ANSI, AUS/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

ROOFSAFE™ ANCHOR AND CABLE SYSTEM

The innovative NEW **RoofSafe™** Anchor with SpiraTech™ Force Management Technology

READY TO SPRING INTO ACTION WHEN YOU NEED IT MOST

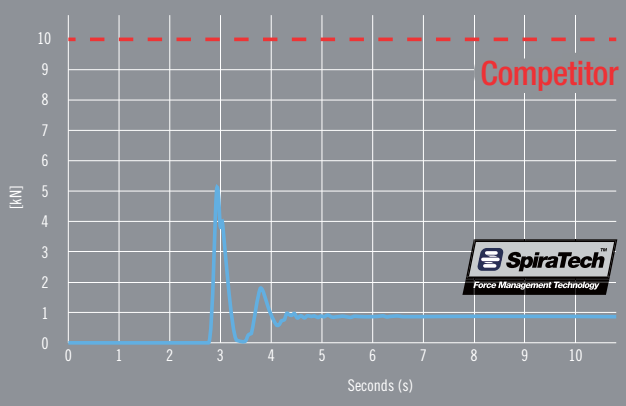


SPIRATECH™ FORCE MANAGEMENT TECHNOLOGY

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 5kN, 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.

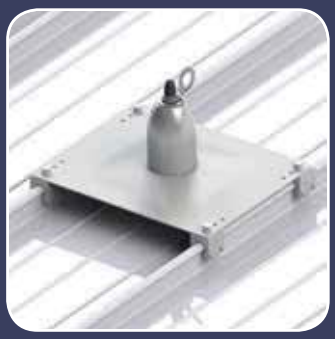
Forces indicator: SpiraTech™ vs Competition



APPLICATIONS OVERVIEW

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 localised areas.

Roofs are changing to accommodate more insulation materials and being designed to utilise lighter materials and take advantage of new technologies. The advanced design of the RoofSafe™ Anchor allows customers to benefit from modern roofing design whilst ensuring safety and structural integrity.



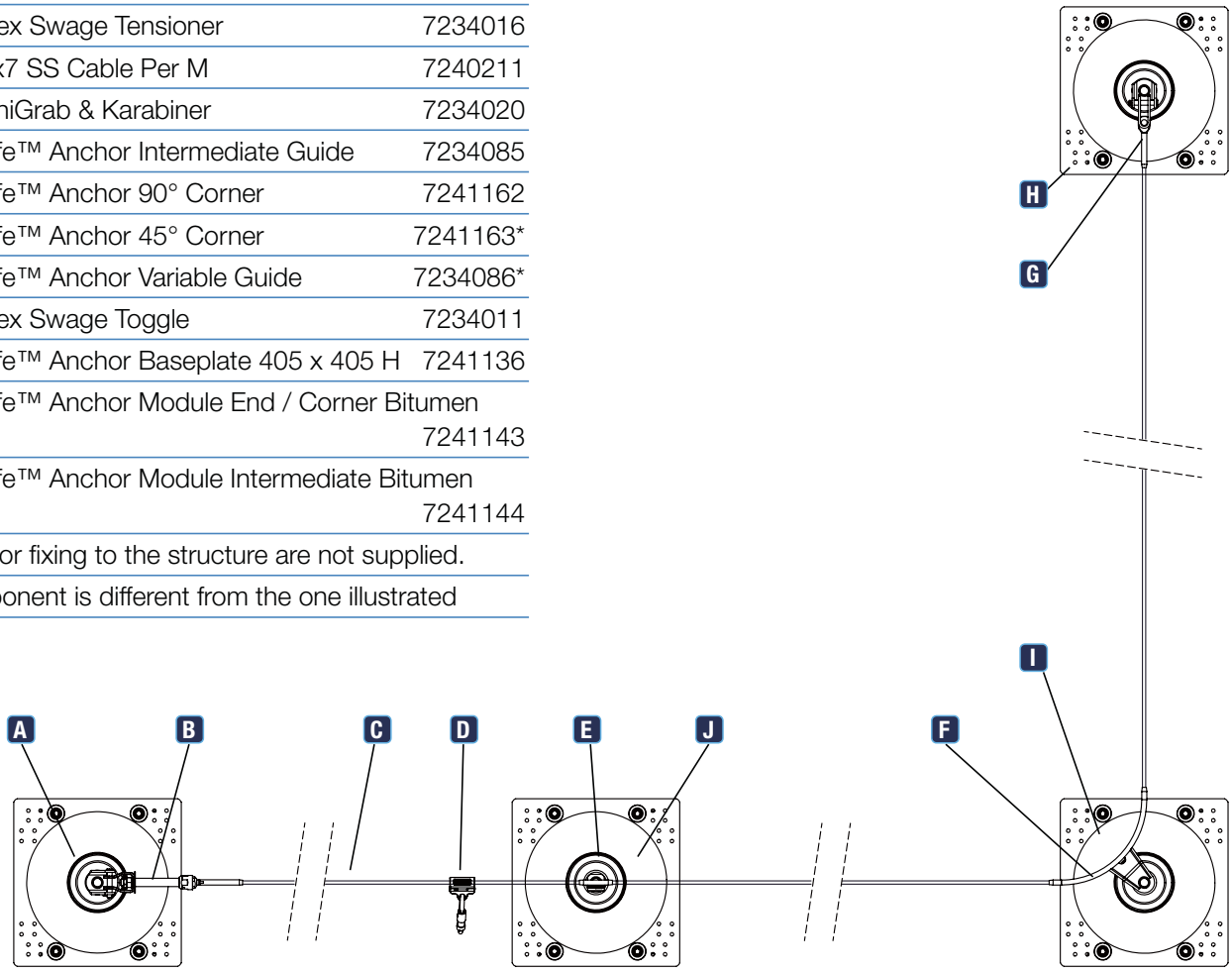
Additionally, as the desire to comply with health and safety regulations increases, the need for safety solutions on older building and structures increases. The RoofSafe™ Anchor and cable system is ideally suited for installation on an older building that requires a fall protection system.

INSTALLATION EXAMPLES

A	RoofSafe™ Anchor System Eye & Pin	7241161
B	8mm Hex Swage Tensioner	7234016
C	8mm 7x7 SS Cable Per M	7240211
D	8mm UniGrab & Karabiner	7234020
E	RoofSafe™ Anchor Intermediate Guide	7234085
F	RoofSafe™ Anchor 90° Corner	7241162
	RoofSafe™ Anchor 45° Corner	7241163*
	RoofSafe™ Anchor Variable Guide	7234086*
G	8mm Hex Swage Toggle	7234011
H	RoofSafe™ Anchor Baseplate 405 x 405 H	7241136
I	RoofSafe™ Anchor Module End / Corner Bitumen	7241143
J	RoofSafe™ Anchor Module Intermediate Bitumen	7241144

Fasteners for fixing to the structure are not supplied.

*This component is different from the one illustrated



ROOFSAFE™ ANCHOR AND CABLE SYSTEM

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, many rely on horizontal fall arrest systems.

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 whilst 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.

The user attaches to the Roofsafe™ Anchor or Cable System via Personal Protection Equipment such as a harness and an energy absorbing lanyard. It is advised that, where possible, the Horizontal Life Line (HLL) system should be used for fall restraint as this stops the user being exposed to the fall hazard therefore reducing the risk.

The Roofsafe™ Anchor and Cable System is typically installed by competent personnel who have been fully trained and authorised, 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 many circumstances.

SYSTEM COMPONENTS TRAVELLERS

Uni 8™ UniGrab

	○	kN	kg
7234020	SS	16	0.40

SYSTEM COMPONENTS END FIXINGS

Uni 8™ Tensioner

	○	kN	kg
7240166	SS	38	0.80

Uni 8™ 8mm Hex Swage Toggle

	○	kN	kg
7234011	SS	38	0.20

Uni 8™ 8mm Hex Joiner

	○	kN	kg
7234012	SS	38	0.10

KEY:
- A Material: Aluminium
- SS Material: Stainless Steel
- P Material: Polyurethane
- S Material: Steel
- ABS Material: ABS Plastic
- kg Weight (kg)
- kN Breaking Strength (kN)

SYSTEM COMPONENTS POST ATTACHMENT POINTS AND BRACKETS

RoofSafe™ Anchor Single Point Eye EMEA

		kN	kg
7241167	SS	26	0.10

RoofSafe™ Anchor System Eye

		kN	kg
7241161	SS	>45	0.30

RoofSafe™ Intermediate Guide

		kN	kg
7234085	SS	16	0.10

RoofSafe™ 45° Corner

		kN	kg
7241163	SS	19	0.30

RoofSafe™ 90° Corner

		kN	kg
7241162	SS	19	0.40

RoofSafe™ Variable Guide

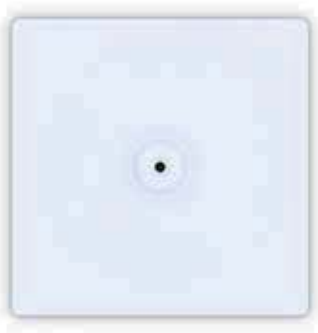
		kN	kg
7234086	SS	16	0.30

SYSTEM COMPONENTS BASEPLATES

RoofSafe™ Anchor Baseplate 405 x 405 H

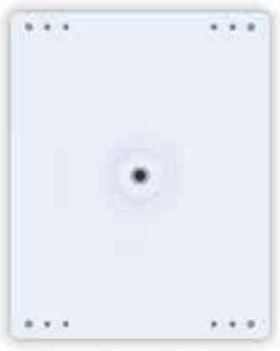
	○	kN	kg
7241136	A	22.2	1.40

RoofSafe™ Anchor Baseplate 405 x 405 BL



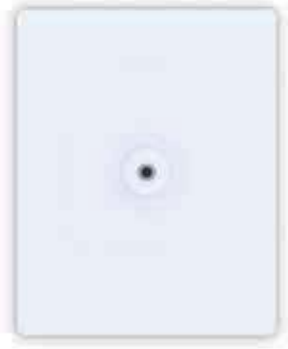
	○	kN	kg
7241137	A	22.2	1.40

RoofSafe™ Anchor Baseplate 350 x 440 H



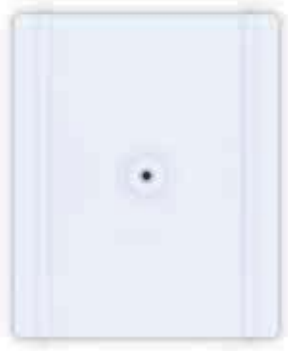
	○	kN	kg
7241138	A	22.2	1.25

RoofSafe™ Anchor Baseplate 350 x 440 BL



	○	kN	kg
7241139	A	22.2	1.30

RoofSafe™ Anchor Baseplate 550 x 450 BL



	○	kN	kg
7241140	A	22.2	2.10

SYSTEM COMPONENTS MODULES

RoofSafe™ Anchor Module End/Corner Top Fix

	○	kg
7241141	A S SS	2.50

RoofSafe™ Anchor Module Intermediate Top Fix

	○	kg
7241142	A S SS	0.50

capital
SAFETY

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WHY CHOOSE CAPITAL SAFETY?

Capital Safety has over 60 years of experience developing, selling, and supporting fall protection systems around the world with the widest range of products on the market today. In 2011 we acquired Uniline® Safety Systems further extending our horizontal lifeline product family and adding additional technical expertise to support our customers.

Our dedicated team of Technical Support Advisors are backed by a design team of more than 20 Engineers who can advise on risk assessments, best working practices and the choice of appropriate personal protective equipment for each application. Through this team, we support our extensive network of independent Certified Installers with services ranging from application reviews, overall system design consultation, CAD drawing assistance and system engineering calculations to ensure project designs are optimized.

Our professional and highly skilled team of instructors deliver a full range of training courses supporting all DBI-SALA® Horizontal Engineered Systems including both cable and rail based product lines. These courses are designed to fully train our Certified Installers in best practices for proper system design, engineering calculation techniques and installation methods.

All DBI-SALA® products are certified to the relevant standard for each product type and installation locations. These certifications have been carried out in conjunction with leading Notified Bodies such as SATRA, DEKRA EXAM GmbH, APAVE SUDEUROPE SAS and TUV NEL Ltd. Our technical team also participate on many of the official Standards Committees who are working to continuously refine and improve the Standards we rely on to improve worker safety.

Capital Safety's Engineering Teams are located in our facilities in Redditch UK, Banska Bystrica Slovakia, Sydney Australia and Red Wing Minnesota USA where they have access to state-of-the-art test facilities capable of performing testing that goes above and beyond current Standards requirements.

Capital Safety is working every day to provide the right solutions, safest products and most extensive services to "Ensure that every worker at height returns home safely".

DBI SALA®

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