

UNI 8™

UNI 8™ HORIZONTAL LIFELINE CABLE FALL PROTECTION SYSTEM

uni  **8**



THE ULTIMATE IN FALL PROTECTION

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PRODUCT OVERVIEW

The Uni 8™ evolution™ system comprises of an 8mm stainless steel cable permanently installed horizontal lifeline. It is suitable for any application where a user needs to move in a continuous line, straight and round corners, provided suitable anchorage points are available to connect to either ends of the line. It can be used for either work restraint or fall arrest.

In 2011 Capital Safety acquired Uniline Safety systems and the Uni 8™ horizontal lifeline 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.



FEATURES AND BENEFITS

- The Uni 8™ systems versatile design and multiple mounting options allows the system to be installed to a wide variety of structures.
- A broad range of mounting bracket options allows navigation of corners and building contours whilst offering excellent functionality through it's free flowing bypass capability.
- The Uni 8™ evolution™ Traveller can be used as an alternative traveller where there is a requirement to remove the traveller from the lifeline when not in use and for use with the flexible corner brackets.
- 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.
- In line energy absorbers reduce load transfer to the structure in the event of a fall.
- In typical circumstances, the product can span up to 12m between support brackets.
- The single 8mm cable provides a discreet and unobtrusive solution to fall protection.
- The system can support multiple workers, up to 140kg each, allowing a team of people to carry out tasks at height.
- Windows calculation software, calculates system performance to ensure all system designs meet customer needs and are safe.
- Minimal moving parts and high grade materials ensure long life expectancy, low cost of ownership and add up to a sound investment.
- Electro-polished Stainless Steel (316) components provide long-term corrosion resistance.**
- Tested to EN795 class C and meets the requirements of AS/NZS 1891.2, is OSHA compliant.

** some aggressive environments can cause corrosion and discolouration of stainless steel

UNI 8™

ROBUST, FUNCTIONAL
COST EFFECTIVE



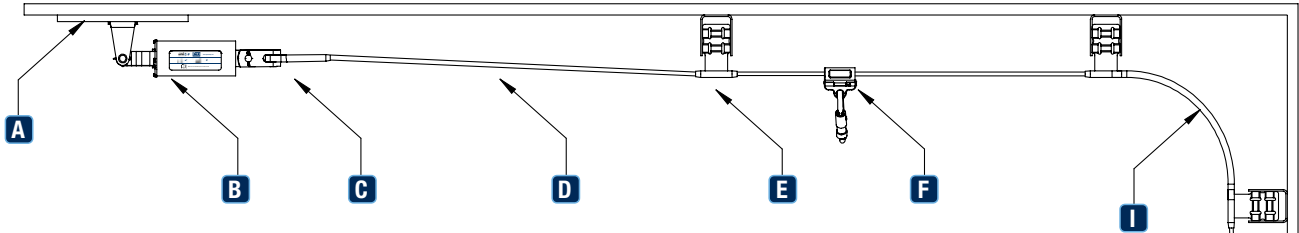
APPLICATIONS OVERVIEW

The Uni 8™ product is well suited to modern building projects, refurbishments and can also be used for a wide range of industrial safety applications.

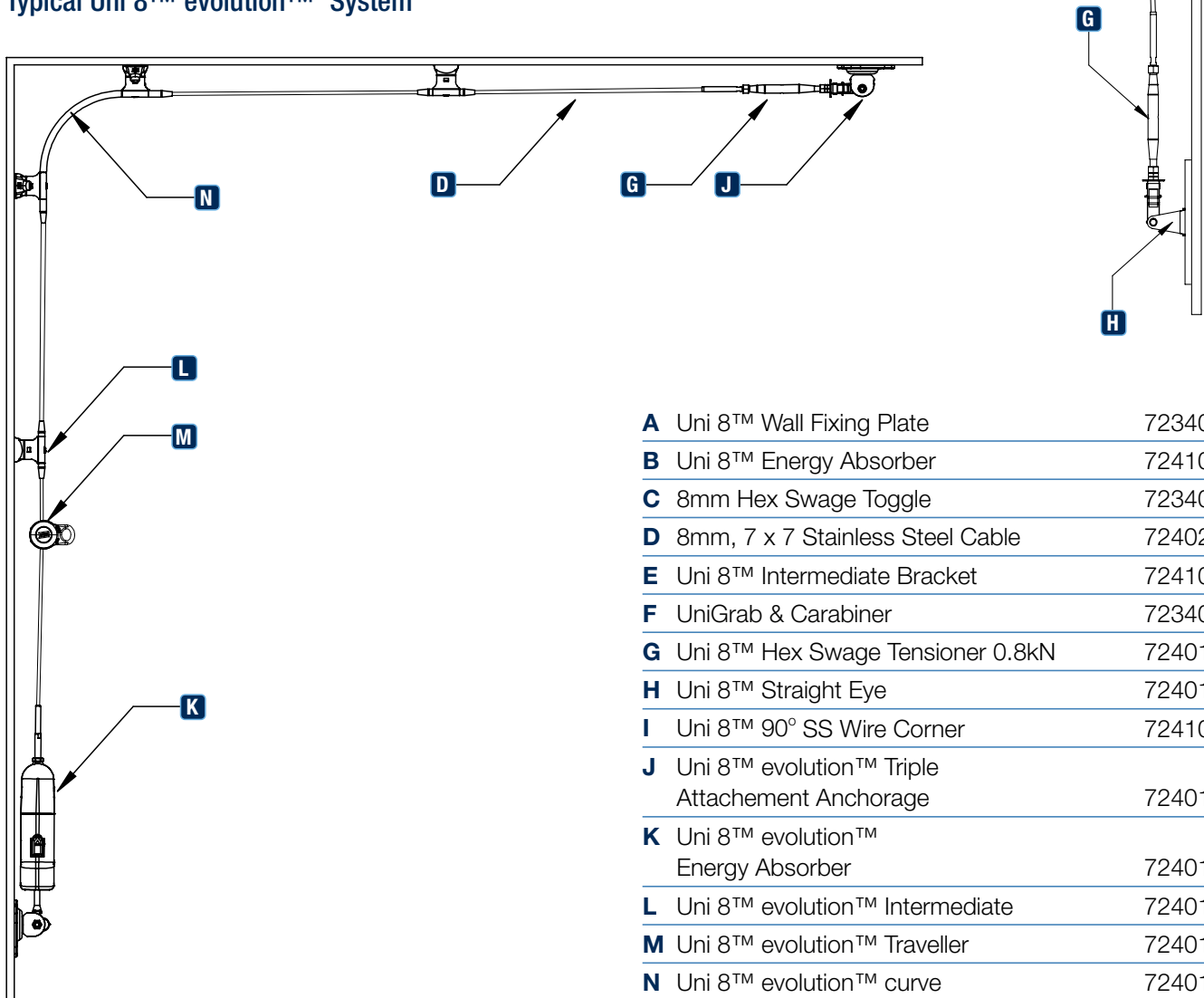
Uni 8™ offers excellent functionality through it's free flowing bypass capability and can navigate corners and contours in building designs.

INSTALLATION EXAMPLES

Typical Uni 8™ System



Typical Uni 8™ evolution™ System



A	Uni 8™ Wall Fixing Plate	7234021
B	Uni 8™ Energy Absorber	7241073
C	8mm Hex Swage Toggle	7234011
D	8mm, 7 x 7 Stainless Steel Cable	7240211
E	Uni 8™ Intermediate Bracket	7241065
F	UniGrab & Carabiner	7234020
G	Uni 8™ Hex Swage Tensioner 0.8kN	7240166
H	Uni 8™ Straight Eye	7240122
I	Uni 8™ 90° SS Wire Corner	7241068
J	Uni 8™ evolution™ Triple Attachment Anchorage	7240175
K	Uni 8™ evolution™ Energy Absorber	7240151
L	Uni 8™ evolution™ Intermediate	7240110
M	Uni 8™ evolution™ Traveller	7240100
N	Uni 8™ evolution™ curve	7240130

SYSTEM COMPONENTS TRAVELLERS

Uni 8™ evolution™ Traveller



	○	kN	kg
7240100	(A) (SS) (N)	15	0.6

Uni 8™ UniGrab



	○	kN	kg
7234020	(SS)	16	0.4

SYSTEM COMPONENTS END FIXINGS

Uni 8™ Energy Absorber



	○	kN	kg
7241073	(SS)	38	1.10

Uni 8™ evolution™ High Capacity Energy Absorber



	○	kN	kg
7240151	(SS) (P)	37	5.20

Uni 8™ Tensioner



	○	kN	kg
7240166	(SS)	37	0.80

Uni 8™ 8mm Hex Swage Toggle



	○	kN	kg
7234011	(SS)	38	0.20

SYSTEM COMPONENTS END FIXINGS

Uni 8™ 8mm Hex Joiner



	○	■ kN ■	kg
7234012	SS	38	0.10

Uni 8™ Wall Fixing plate



	○	■ kN ■	kg
7234021	SS	50	1.80

Uni 8™ Straight Eye



	○	■ kN ■	kg
7240122	SS	>45	0.40

Uni 8™ evolution™ Triple Articulated Anchorage Point



	○	■ kN ■	kg
7240175	SS	37	1.60

Uni 8™ evolution™ Mono Attachment Anchorage



	○	■ kN ■	kg
7240176	SS	30	0.70

SYSTEM COMPONENTS CABLE

8mm, 7 x 7 Stainless steel Cable



	○	■ kN ■	kg
7240211	SS	38.7	0.2 per m

KEY:



Material: Aluminium



Material: Polyurethane



Material: Nylon



Breaking Strength (kN)



Weight (kg)



Material: Stainless Steel

SYSTEM COMPONENTS BRACKETS

Uni 8™ Intermediate Bracket



	○	■ kN ■	kg
7241065	SS N	16	0.40

Uni 8™ Variable Bracket



	○	■ kN ■	kg
7241066	SS	16	0.60

Uni 8™ 90° SS Wire Corner
Uni 8™ 45° SS Wire Corner



	○	■ kN ■	kg
7241068	SS	16*	0.10
7241069	SS	16*	0.10

Uni 8™ evolution™ Short Curve



	○	■ kN ■	kg
7240120	SS N	38.7	0.40

Uni 8™ evolution™ Intermediate Bracket



	○	■ kN ■	kg
7240110	SS N	25	0.20

Uni 8™ evolution™ Curve



	○	■ kN ■	kg
7240130	SS N	30	0.70

* Only tested as part of a system and was not the limiting component



WORKING SAFELY AT HEIGHTS

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.

The user attaches to the HLL system via Personal Protection Equipment such as a harness and an energy absorbing lanyard. Uni 8™ is ideal for protecting operatives carrying out a task at height over long distances as it provides continuous protection whilst the operatives are able to carry out their work uninterrupted.

It is advised that, where possible, the HLL system should be used for fall restraint as this stops the user being exposed to the fall hazard therefore reducing the risk.

Uni 8™ systems are typically installed by competent personnel who have been fully trained and authorised, with inspections every 12 months to ensure system integrity.

The Uni 8™ Horizontal Lifeline System combined with good management controls provides a simple, yet comprehensive solution that will ensure compliance with current regulations in many circumstances.

COMPONENT COMPATIBILITY

In the Uni 8™ system there are 2 Traveller options. The table below shows which can and cannot be used with each traveller. Full details of component compatibility can be found in the Uni 8™ technical manual.

			Curved System	Straight System
				
			Uni 8™ evolution™ Traveller 7240100	Uni 8™ Unigrab 7234020
Uni 8™ Intermediate Bracket		7241065	✓	✓
Uni 8™ 45° SS Wire Corner (for use with 7241065)		7241069	✓	✓
Uni 8™ 90° SS Wire Corner (for use with 7241065)		7241068	✓	✓
Uni 8™ evolution™ Intermediate		7240110	✓	✗
Uni 8™ evolution™ Curve		7240130	✓	✗
Uni 8™ evolution™ Short Curve		7240120	✓	✗
Uni 8™ evolution™ Energy Absorber*		7240151	✓	✓
Uni 8™ Energy Absorber		7241073	✓	✓
Uni 8™ Tensioner		7240166	✓	✓
Uni 8™ evolution™ Triple Articulated anchorage point		7240175	✓	✓
Uni 8™ evolution™ Mono Attachment anchorage		7240176	✓	✓

RECOMMENDED DBI-SALA® ACCESSORIES



Zorba™ Webbing Lanyard (KE5175W)
and Self Lock Twist Lock Carabiner (AJ514)

Delta™ Harness
(1112915)

Only devices approved by DBI-SALA® should be used on the RoofSafe™ Anchor & Cable System. This ensures the safety of your workforce, as many devices are not tested in conjunction with cable fall protection systems.

Your system integrator will advise you further on your equipment selection, including harnesses and training for your personnel for working safely at height.

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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".

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