

# MSA Fall Protection

## Horizontal Lifelines

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## Global Leaders in Fall Protection

Because we provide customized fall protection solutions all around the world with our range of Latchways® systems, MSA has a thorough understanding of any given country's safety concerns and needs. We have wide-ranging support, too, as our product leadership is backed by a worldwide network of highly trained registered installers and contractor companies.

And MSA is always thinking ahead— monitoring legislative developments around the world so that we can respond quickly with products and services designed to comply with new regulations without sacrificing productivity.

Simply put: MSA is fluent in the global language of fall protection.

No wonder our trusted systems and award-winning components can be found on structures as far away as Sydney's Harbour Bridge and as close by as Milwaukee's Miller Park Stadium.

## Premium fall protection solutions tailored to your project needs

MSA is comprehensive in its care and concern for those working at height. Our versatile fall protection systems— from roof to tower—offer solutions for nearly every work environment. Our experience working with so many different industries, from aerospace to tourism, means we have thorough knowledge of the particular fall protection needs specific to a variety of applications.

So tell us what you're looking for. With our Latchways range of smartly engineered systems and best-quality products, you're in the hands of experts.

### Commercial and Public Buildings

Imagine providing safe access without damaging roof integrity. Latchways horizontal and inclined systems, with their Constant Force® Posts, do just that. We created systems like WalkSafe® to help further reduce wear and tear and LadderLatch™ to keep workers safe as they climb new heights.

### Transmission Towers, Distribution and Telecommunications

From towers to masts to monopoles, Latchways vertical systems can be seen protecting workers on transmission towers and distribution and telecommunication structures all over the world— even those in the most icy, rainy conditions.

### Bridges and Infrastructure

Each bridge and infrastructure project has different fall protection requirements. Latchways inclined, horizontal and vertical systems deliver unprecedented versatility, making it safe for workers to maintain cables, traverse bridge undersides, or safely access towers—no matter how harsh the conditions.

### Industrial Manufacturing

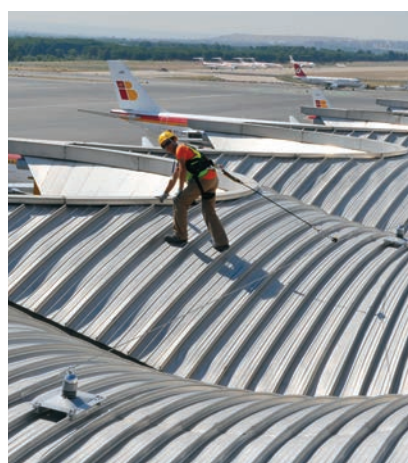
From overhead systems for above machinery operation to permanently installed lifelines, to temporary SRLs for one-off maintenance jobs, Latchways brings safety solutions to virtually any industrial manufacturing project. Our systems can link together horizontally, vertically and up inclines, and can be retrofitted or included as part of a new build.

### Oil and Gas

Our range of user-friendly safety solutions, from Latchways Self-Retracting Lifelines to Latchways Personal Rescue Device®, meet the demands of the oil and gas industry—and then some. With vertical, horizontal and inclined cable systems designed to follow complex contours found on rigs, pipe racks, gantries and more, we bring fall protection to the most severe environments.

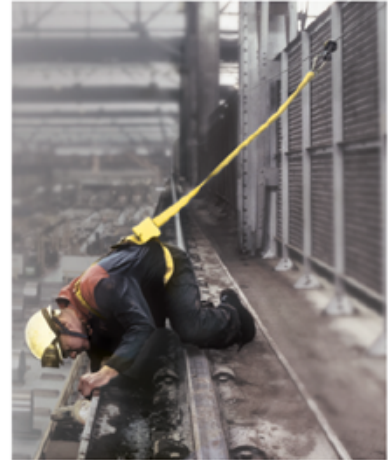
### Wind Energy

From wind farm owners to maintenance contractors to global turbine manufacturers, wind energy professionals rely on innovations like our Latchways Sealed Self-Retracting Lifeline for safety and our TowerLatch™ unit for uninterrupted ladder ascension.



## MSA Latchways Horizontal Lifelines (HLL)

*Unique safety solutions  
for those working  
on the edge.*



Latchways horizontal lifelines are known worldwide for their versatility and ease of use, making them the ideal choice for protecting workers as they go about day-to-day activities like maintenance, cleaning, inspection and more.

Easily customized for virtually any structure or unique requirement, MSA precisely engineered horizontal systems are built to work in all areas of industry, construction and maintenance. Installations include retail outlets, stadiums, transmission towers and industrial complexes—not to mention famous sites like New York's Grand Central Station, the Hong Kong Airport, and the Eden Project in Cornwall, home to the world's largest indoor rainforest.

Committed to bringing you the best in quality, versatility and satisfaction, MSA continues to work closely with major roofing manufacturers to produce a full range of fall protection systems for all designs and types of roofs.

MSA's Latchways engineered lifeline systems provide the total solution for all horizontal safety at height industrial applications. The system's versatility and ease of use makes it ideal for protecting workers as they go about day-to-day activities such as maintenance, cleaning, access and inspection.



## Latchways Horizontal Lifelines (HLL)

While working at height is tough, working at height on an incline can present uniquely different challenges. MSA has developed a comprehensive range of Latchways system components that can be configured to provide a tailored cable lifeline suited to structures that slope.

The Transfastener™, the BridgeLatch™ and ClimbLatch™ devices are built to bring optimal security, flexibility and mobility to workers at height on horizontal and incline workplaces

Latchways systems can be designed to operate horizontally, up and down inclines and vertically according to the specific need. This enables systems to be installed to provide safe access for regular maintenance routines such as roof inspections and skylight cleaning, and also for daily safety checks of machinery and leisure structures.



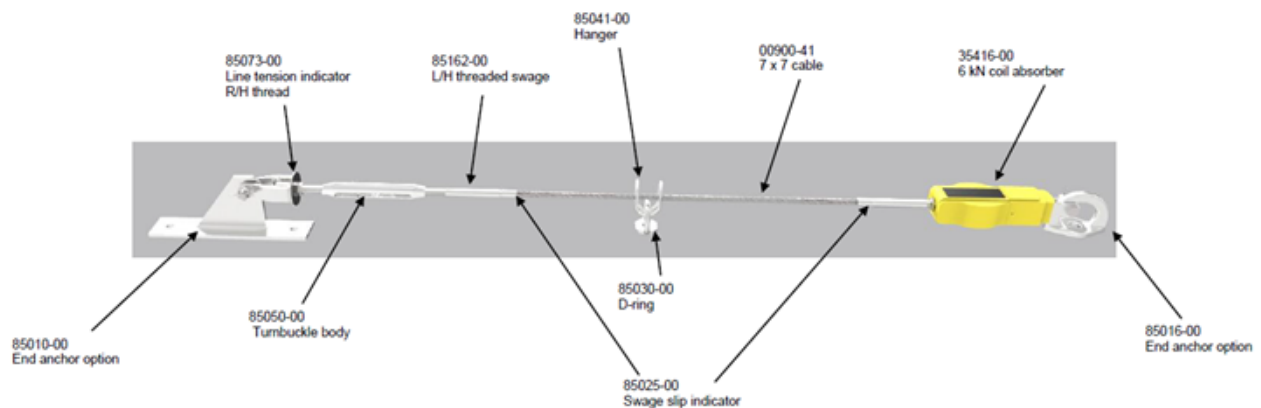
The user, wearing a full-body harness and energy-absorbing lanyard, is continuously attached to the system with a Latchways Transfastener™, MSA's innovative device that can rotate its way through the intermediate cable supports. For systems with no entry terminal, a Removable Transfastener can be used. See page 125 for more information.



BridgeLatch attachment device.  
See page 125 for more information.



ClimbLatch attachment device.  
See page 125 for more information.



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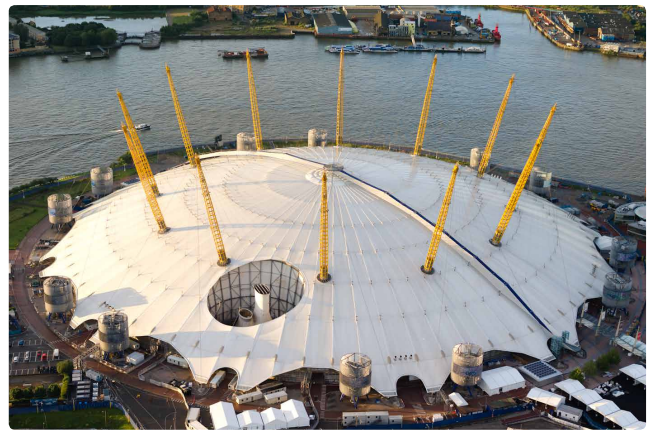
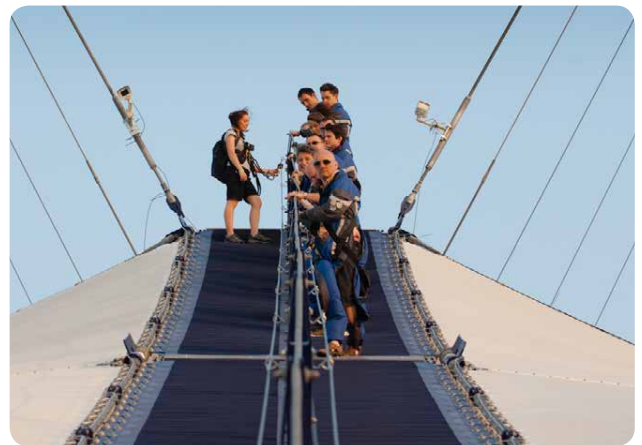
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The inherent flexibility of the MSA Latchways design concept is ideally suited to the often complex safety requirements of people working at height on bridges.

For example, on a suspension bridge, a Latchways inclined system can be installed to protect workers as they maintain the cables, a horizontal system will make it safe to work on the underside of the bridge, and a vertical system will enable safe access to the towers.

Latchways systems can be retrofitted or included as part of a new build. Importantly, the quality materials used in the componentry of the Latchways system is proven durable and reliable in even the worst climatic and environmental conditions. Worker safety is assured because system operations are unaffected by rain, snow, ice or adverse weather



Designed to protect the user from a sliding fall on a sloped surface, the ClimbLatch™ device was created for use on an inclined system between 15° and 40°—though it can also be used on a system that moves from horizontal to vertical orientation. Compatibility among components ensures your customised system delivers smooth, continuous transitions.

# MSA – The Safety Company

*Our business is safety. We've been the world's leading manufacturer of high-quality safety products since 1914. MSA products may be simple to use and maintain, but they're also highly-sophisticated devices and protective gear – the result of countless R&D hours, relentless testing and an unwavering commitment to quality that saves lives and protects thousands of men and women each and every day. Many of our most popular products integrate multiple combinations of electronics, mechanical systems and advanced materials to help ensure that users around the world remain protected in even the most hazardous of situations.*

## Our Mission

MSA's mission is to see to it that men and women may work in safety and that they, their families and their communities may live in health throughout the world.

**MSA: Because every life has a purpose.**

### Your direct contact

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