MSA Latchways[®] Solutions for Wind Turbines



Fall protection solution for wind turbine access



Because every life has a purpose...

The complete safety solution

MSA Safety is pleased to offer its complete range of Latchways® Fall Protection solutions for your turbines, met masts and substations. Whether onshore or offshore, we provide high performance, durable systems for use during construction, operations and maintenance right through to decommissioning - ensuring the safety of your technicians when working at height, even in the harshest environments.

MSA's Latchways Sealed Self-Retracting Lifeline (SRL) - when combined with a fixed-anchor point or extension post - allows safe, unhindered access from vessel to turbine.

Once inside the turbine, the tailored cable lifeline system for internal aluminium ladders provides safe, permanent attachment without the need to remove the cable from the intermediate wire guides allowing safe ground to nacelle transition.

MSA Safety—global leaders in fall protection



Tailored solution

MSA's in-depth knowledge of both the fall protection and energy industries means we can offer a tailored solution depending on your requirements. Our specialists work closely with the wind farm operators and turbine manufacturers to find an optimum solution for the existing tower internals.

Testing

All MSA's systems are manufactured to exceed the highest international standards. MSA's strong belief in extensive independent testing ensures that all products exceed current performance standards.

Compatibility

MSA's Latchways systems can be specified at the project design stage and installed at the time of construction. Solutions have been designed to ensure systems can be used in conjunction with lifts and climb assist. Several major retrofit programmes have been completed for key clients. Specific clients have also requested testing using their chosen harness.

Industry partnerships

Turbine manufacturers we work with:

· Siemens Gamesa, Vestas, MHI Vestas, Nordex, GE, Senvion

Wind farm owners we work with:

Ørsted, RES, Iberdrola,
SSE Renewables, RWE Renewables, Vattenfall, Parkwind,
Equinor, Scottish Power and many others.

Compatible with tower internals from:

Avanti, Hailo, Zarges and others

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Ground to nacelle transition

For ascending the internal ladder of a turbine

A vertical cable-based fall protection system allows a hands-free unhindered solution for ascending the ladder within a turbine, suitable for both new build and retrofit. The system has been designed to be used with either a TowerLatch[®] or a LadderLatch[®] unit - a device that secures the climber to the cable via the chest D-ring on their harness. In the event of a fall the device immediately locks onto the cable and a built-in webbing strop then facillitates a rescue* using the cut away technique (*TowerLatch[®] unit only).

Key Facts

CE marked

TUV NEL testing:

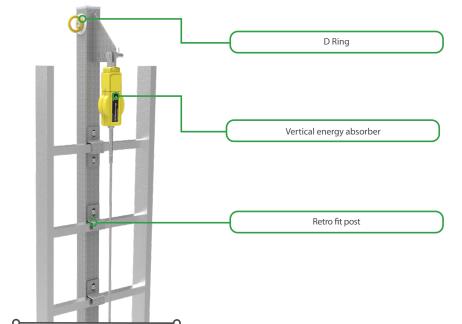
- Anthropometric dummies on vertical cable system
- Compatibility with the Tractel climb assist system
- Different harness types

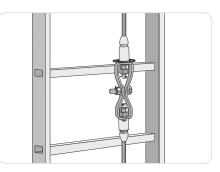
Exceeds the requirements of:

- EN353-1:2018
- ANSI Z359.1-2016
- AS/NZS 1891.3-1997
- OSHA Compliant



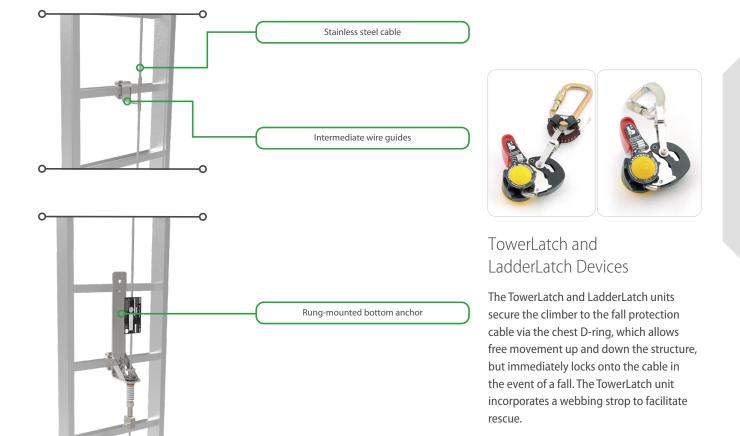
Wind Turbines





In-line tension indicating disc

This can be positioned above the lower platform enabling the system pre-tension to be checked without the need to open the hatch door and climb down into the lower platform area.



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Vessel to turbine transition

For access to offshore turbines

The Sealed SRL offers a dependable means of fall protection whilst transferring onto, or climbing, the boatlanding or access ladders.

Designed to work in the harshest conditions, the Sealed SRL has undergone extensive, independently verified testing to ensure consistent, reliable and maintenance-free performance.

The Sealed SRL has been developed with a number of unique features and proven to work in harsh offshore conditions. Since 2009, over 12000 units have been protecting climbers on more than 80 offshore wind farms.

Features and Benefits

• Unique Full Contact[™] locking mechanism that cannot freeze, hang up or corrode

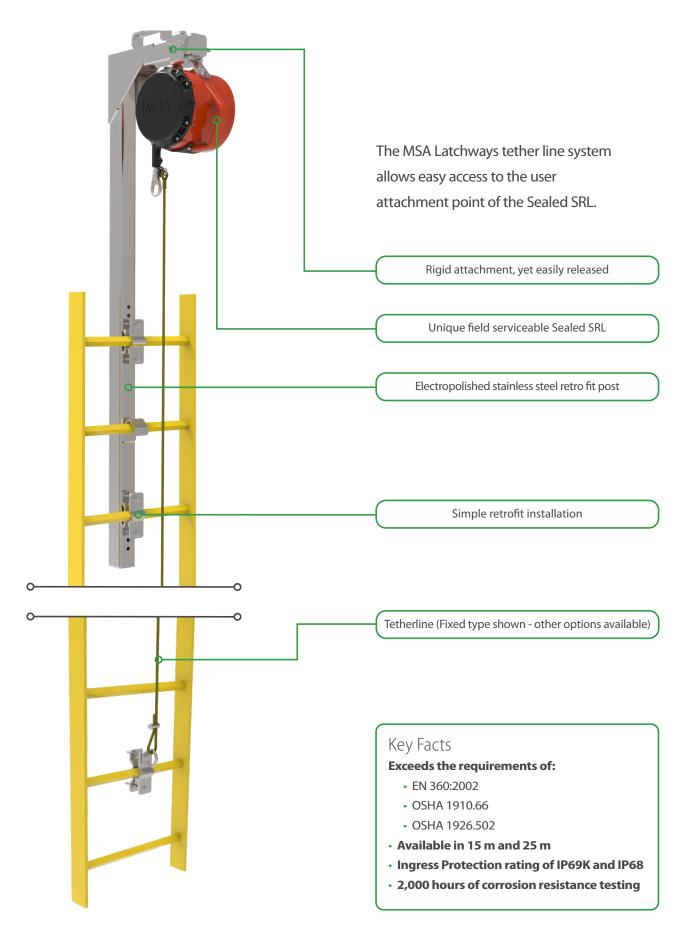
• Patented frictionless energy absorbing mechanism that won't go out of adjustment and ensures reliable performance in any conditions

• Manufactured from high quality components to ensure durability

• Locking mechanism and absorber are impenetrable to material/moisture with ingress protection rating IP69K

• Completely field serviceable which significantly reduces the lifetime cost of ownership





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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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