MSA Latchways® **Standard SRL**

Product Testing & Performance

MSA
The Safety Company



WE KNOW WHAT'S AT STAKE.

Introduction

With nearly 100 years of fall protection experience, MSA provides the world's first completely field-serviceable standard self retracting lifelines (SRLs).

Latchways SRLs offers dependable fall protection and are specifically designed for use within varied environments, enabling unhindered hands-free fall protection solutions. Using innovative engineering and design, these SRLs are among the most advanced, reliable and cost-effective available today.

Latchways Standard SRLs have undergone extensive, independently verified testing to ensure consistent, reliable performance.

Latchways Standard SRLs have been developed with many unique features to provide **smarter, simpler** and **stronger** alternatives to traditional SRLs.

Checklist

- Completely field-serviceable
- Frictionless Constant Force® technology braking mechanism
- ATEX-assessed
- Impact-resistant toughened case
- Meets and exceeds global industry standards
- 100% Full Contact™ locking mechanism



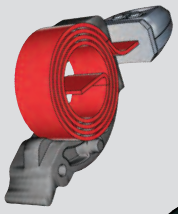
Smarter. Simpler. Stronger.

Smarter

Traditional SRLs rely upon a friction-based braking mechanism to absorb energy in the event of a fall. Device maintenance is performed in service centers due to complexity and tooling required for recertification.

- Latchways Constant Force technology energy-absorbing mechanism is completely different and avoids costly requirements of factory servicing, even in the event of a fall.
- Frictionless energy absorbtion has no moving parts, can't go out of adjustment and isn't affected by contaminants or temperature.
- Modular design means that individual components can be removed and replaced in minutes onsite with simple tooling.
- Components can be visually inspected, without complex mechanical testing.

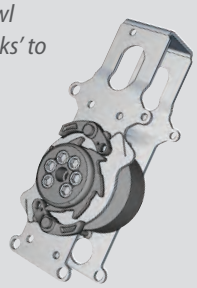
Latchways Constant Force energy absorber can be replaced in minutes.



Simpler

- Constantly moving, 100% Full Contact locking mechanism cannot freeze, hang-up or corrode.
- No wet lubrication to attract dirt and debris.
- Stainless steel chassis and components ensures that SRL is rugged and durable within a variety of applications.

Full Contact pawl mechanism 'clicks' to reassure users that SRL is functioning correctly.



Stronger

Rugged impact-modified nylon case protects unique modular chassis design.

- Case is constructed of unique toughened nylon to resist impact damage and protect internal chassis.
- Modular chassis design and case are not integrated, allowing case to serve as protective armor.

Internal MSA Testing









Options

MSA has redefined functionality, performance and serviceability of SRLs. Latchways SRLs are available in many lengths in both webbing and cable lifelines, so whatever the job, MSA provides a product solution for your application.



Easy to Service, Even in the Field

Latchways SRL modular design allows for quick and easy recertification with simple tools. Recertification can be performed locally by authorized service centers, or even onsite, ensuring that Latchways SRLs have minimal down time.

Tested operational temperature range:
-22° to +129° F
(-30° to +54° C)

Further testing conducted by MSA:

- Cyclic testing: SRL cable fully extended and retracted 20,000 times (with component inspection of pawls and tooth disc for wear) ensuring consistent performance from first to last test.
- 50 consecutive drop tests on single chassis (simply replacing Constant Force absorber each time) to further verify chassis and locking mechanism design durability.

Latchways Standard SRL Range

Model	Part Description	Connector	Size	Weight
62210-00UK	Standard 10m Galv, Cable SRL	Swivel Double Action Snap Hook	357 x 186 x 127 mm	5.6 kg
62210-00UKTL	Standard 10m Galv, Cable SRL	Triple Action Karabiner	357 x 186 x 127 mm	5.6 kg
62410-00UK	Standard 10m Stainless Steel Cable SRL	Swivel Double Action Snap Hook	357 x 186 x 127 mm	5.6 kg
62410-00UKTL	Standard 10m Stainless Steel Cable SRL	Triple Action Karabiner	357 x 186 x 127 mm	5.6 kg
62215-00UK	Standard 15m Galv, Cable SRL	Swivel Double Action Snap Hook	395 x 214 x 130 mm	7.4 kg
62215-00UKTL	Standard 15m Galv, Cable SRL	Triple Action Karabiner	395 x 214 x 130 mm	7.4 kg
62415-00UK	Standard 15m Stainless Steel Cable SRL	Swivel Double Action Snap Hook	395 x 214 x 130 mm	7.4 kg
62415-00UKTL	Standard 15m Stainless Steel Cable SRL	Triple Action Karabiner	395 x 214 x 130 mm	7.4 kg

Latchways **Standard SRL**

Completely Field-serviceable

Wherever Latchways SRLs are in service, full inspection can be performed quickly and easily, enabling complete field serviceability—a totally unique feature in the market.

SRL modular design enables simple key component replacement; parts can be changed within minutes. Units do not require factory service (including labor and down time).

Replacement components:

- Cable assembly
- Energy absorber
- Labels
- Cases

Frictionless Constant Force Energy-Absorbing Mechanism

Patented Constant Force technology energy-absorbing mechanism is an intelligently engineered stainless steel coil with no moving parts and does not require adjustment or recalibration during product life. In the event of a fall, the coil simply unwinds; unwinding action (metal deformation) absorbs energy generated in a fall.

Traditionally, SRLs (or fall arrestors) rely upon friction braking to absorb energy generated following a fall from heights. Friction braking materials are typically 2 materials pressed together at pre-set tension; resisted movement of these surfaces against each other absorbs energy. However, to work effectively, tension between these 2 surfaces must be pre-set and in turn checked regularly, as over time, tension can deplete, potentially affecting performance. Re-tensioning is often complicated, requiring specific tools and return to a service center, incurring additional costs and increased down time.

ATEX Assessment Standards

Assessed to BS EN 13463-1:2001 and EN 13463-5:2003 equipment group II, category 2 (Ex II 2 G c IIC T6) for use in areas in which explosive atmospheres caused by mixtures of air and gases, vapors or mists or by air/dusts mixtures are likely to occur.

Meet & Exceed Global Industry Standards

Latchways SRLs meet and exceed the following global standards:

- AS/NZS 1891.3
- ANSI Z359.14-2012
- OSHA 1910.66
- OSHA 1926.502
- CSA Z259.2.2-98
- BS EN 360:2002
- ISO 9001-certified company

100% Full Contact Locking Mechanism

Latchways SRLs feature a patented locking mechanism; pawls are always in contact with central tooth disc. In the the event of a fall, Full Contact pawl locking mechanism provides a highly reliable means of fall arrest. Traditional SRLs also employ pawls to centrifugally lock into tooth disc or toothed casing; however, pawls only engage upon lock testing or in the event of a fall. Correct pawl mechanism functioning in traditional units cannot be felt when in use. Latchways SRLs enable users to hear (and feel) pawls functioning correctly as lifelines extendand retract.

Impact-resistant Casings

Latchways Standard SRLs are encased within impact modified nylon housing, egg-shaped to protect chassis inside. Design functions as armor; no critical components form part of the casing, meaning that even if severely damaged, casing is easily replaced. Cases are also UV-stabilized and do not become brittle with age.

Full Training and Recertification Program

Modular design allows for quick and easy recertification with simple tools. MSA offers training to inspect and maintain products onsite, significantly reducing cost of ownership by minimizing unit down time throughout product life.

MSA
The Safety Company



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.

Note: This Bulletin contains only a general description of the products shown. While uses and performance capabilities are described, under no circumstances shall the products be used by untrained or unqualified individuals and not until the product instructions including any warnings or cautions provided have been thoroughly read and understood. Only they contain the complete and detailed information concerning proper use and care of these products.

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