



PEAKWORKS®

Self-Retracting Lifeline



Certified to:

CSA Z259.2.2-1998

ANSI Z359.14-2012

V845525007LE (SRL-50502-7LE)

V845526007LE (SRL-50602-7LE)

V845525006LE (SRL-50502-6LE) *

V845526006LE (SRL-50602-6LE) *

*** Only available in the U.S.**



**READ CAREFULLY
BEFORE USE**

A / Une

SureWerx™
Brand / Marque

SureWerx, 49 Schooner St.,
Coquitlam, BC V3K 0B3
surewerx.com

Made in Germany
Fabriqué en Allemagne

M16-PW SRL (LE) Twin Leg EN-FR
05-2016



Introduction

This manual contains the Manufacturer's Instructions as required by CSA Z259.2.2 and ANSI Z359.14. It should be used as part of the fall protection training program required by law. All PeakWorks' products are designed and engineered to meet or exceed applicable CSA and ANSI standards along with labour ministry requirements. **WARNING: All persons using this equipment must read and understand all the instructions and warnings contained in this manual. Failure to do so may result in serious injury or death. Do not use this or any other fall protection equipment unless you have been properly trained.**

Fall Protection

It is the employer's responsibility to provide fall protection and training for any worker deemed to be working at height. In Canada, any worker that is more than 3 meters (10 ft) from the ground or first obstruction must have fall protection. In the USA, 6 feet (1.8 meters).

System Compatibility

PeakWorks equipment has been designed and approved for use only with PeakWorks connectors. Any substitution of components may result in compatibility issues. Users should always ensure that the connectors are properly selected and connected so as not to allow a load to be applied to the gate of the connector. **Failure to do so may result in serious injury or death. Do not use this or any other fall protection equipment unless you have been properly trained.**

Training

All workers and their employer must be trained in the correct use, care and maintenance of this and any other fall protection equipment used. It is the employer's responsibility to provide proper fall protection training for all workers using fall protection equipment. Both the worker and the employer must be aware of the correct and incorrect applications and use of this equipment. **Failure to do so may result in serious injury or death. Do not use this or any other fall protection equipment unless you have been properly trained.**

Rescue Plan

A rescue plan is an integral and critical part of any fall protection plan and system. It is the responsibility of the employer to have a rescue plan prepared by a competent person. All workers using any fall arrest system must have a rescue plan prior to using the system. Note: Special measures may be necessary for rescue in the event of a fall over an edge.

Inspection

This equipment and any other fall protection equipment used in conjunction with it should be inspected by the worker every time it is used. This equipment must be inspected annually by a competent person. A competent person is defined by OSHA: "By way of training and/or experience, a competent person is knowledgeable of applicable standards, is capable of identifying workplace hazards relating to the specific operation and has the authority to correct them". Details of how to inspect this equipment is discussed later in the manual.

Fall Clearance

Fall Clearance is the distance required to safely arrest the user's fall. It is the distance from the anchorage to the ground. A Fall Clearance Calculation must be done anytime this or any other fall protection equipment is used.

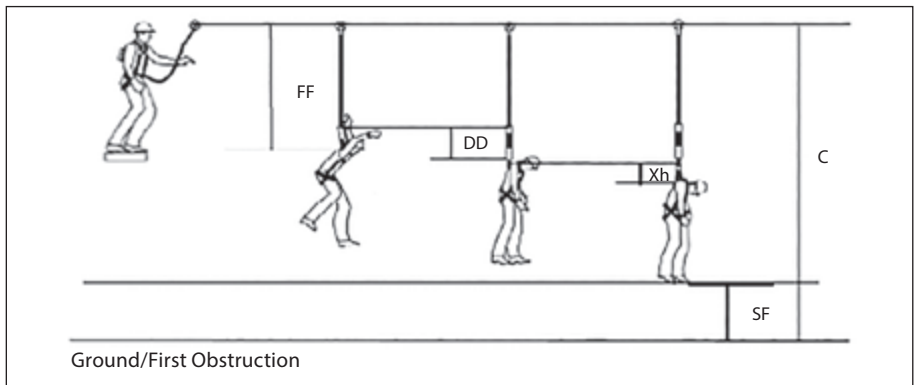
Step 1: Calculate Free Fall (FF)

Step 2: Determine how much the connecting device deploys (DD)

Step 3: Determine the stretch of the harness (Xh)

Step 4: Add a safety factor (SF), typically 3 ft

Step 5: Fall Clearance $C = FF + DD + Xh + SF$



Repair

Do not attempt to repair or alter this fall protection equipment. Repairs can only be performed by the manufacturer or its authorized agents.



SRL Overview

All PeakWorks' SRLs have been designed and engineered to meet or exceed all applicable standards and Ministry of Labour requirements. This PeakWorks Self-Retracting Lifeline is intended for use as a Fall Arrest Block or Fall Recovery Block. It is not intended for use with work positioning, man-riding, goods lifting or moving/lifting materials.

SRL Capacity

PeakWorks SRLs are designed for use by a single person with a combined weight (clothing, tools, etc.) of no more than 300 lb. Make sure all of the components in your system are rated to a capacity appropriate to your application.

SRL Classification

SRL Type	Definition	Inspection/Maintenance Requirements
Type 1	Less than 10 feet	• Inspect before each use • Annual inspection by competent user • Discard after fall incident
Type 2	10 feet or longer	• Inspect before each use • 2 years after DOM and yearly thereafter, & maintenance by manufacturer • Inspect and repair after fall incident
Type 3	10 feet or longer with retrieval capability	• Inspect before each use • 2 years after DOM and yearly thereafter, & maintenance by manufacturer • Inspect and repair after fall incident

PeakWorks' SRL model numbers indicate both the type of SRL and the length: SRL-xxxxY-Z.

Y – Indicates SRL Type: value of 1 = Type 1, 2 = Type 2, 3 = Type 3

Z – Indicates length in feet: eg. 8 = 8 feet, 60 = 60 feet

LE – Indicates Leading Edge

SRL Compatibility

All PeakWorks' SRLs come with a carabiner to connect to an anchor and a snap hook to connect to a full body harness. PeakWorks equipment has been designed and approved for use only with PeakWorks connectors. Any substitution of components may result in compatibility issues. If you have any questions about component compatibility, please contact PeakWorks.

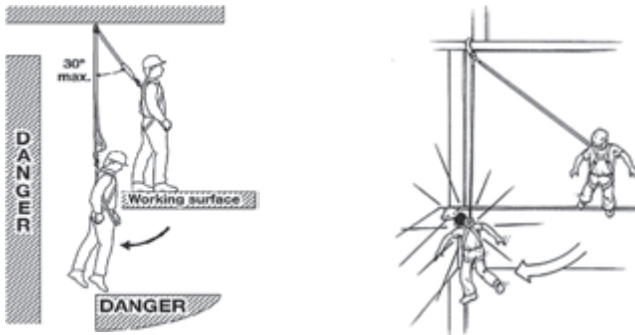
Warning: Do not connect to this SRL with form hooks or any other large opening.

SRL Performance Data

Average Arresting Force:	900 lb (4 kN)
Maximum Arresting Force:	1,800 lb (8 kN)
Maximum Stopping Distance:	54" (1.4 m)
Capacity:	300 lb (136 kg) including tools
Complies to:	CSA Z259.2.2-98, ANSI Z359.14-2014
Note:	Galvanized cable 3/16" (4.8 mm), Dyneema webbing 1"x1/16" (2.5 mm x 1.3 mm)

SRL General Operation

The mechanism in this device is activated by centrifugal force acting on the brakes. This action is produced by the inertia of a fall rapidly spinning the internal drum which in turn causes the brakes to lock and arrest the fall. Slow reeling of the line will not activate the brake. If the brake locks – due to a fall – the mechanism will reset if the load is removed. In a fall arrest situation the mechanism will limit the force acting on the body to less than 6kN. This device is designed to function vertically or at an angle of no more than 30°.



Electrical Hazard

Due to the highly conductive nature of the materials used in the construction of this SRL, use extreme caution when working near unprotected high voltage sources. If in doubt, ask!

Pre-Use Inspection

If the SRL is known to have arrested a fall, it must be removed from service immediately and returned for inspection and servicing.

Before each use check:

- (a) that the brake operates correctly.
- (b) that the SRL is securely anchored level with or above the user (NEVER below).
- (c) that all components to be used in conjunction with this device are compatible and in good condition.
- (d) avoid anchoring the device in such a position that could result in a 'pendulum/swing fall' (this may occur if the device is positioned at $> 30^\circ$ from the vertical in relation to the end user).

Extend the wire rope/webbing fully (wearing suitable protective gloves) and inspect along its length for damage, such as:

- (a) broken or frayed wires/webbing.
- (b) soiling and/or corrosion.
- (c) kinks and twists in the wire/webbing.
- (d) inspect the swage/stitching for damage.
- (e) check the connector(s) being used as per the User Instructions supplied with the connector
- (f) check that the Overload/Fall Indicator is not exposed.

Check the device housing for signs of mechanical deformation, cracks, or chemical contamination and/or other defects.

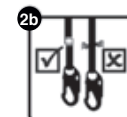
Retract the wire rope/webbing slowly; during retraction give the wire rope a sharp sudden tug in order to activate the braking mechanism. This check should be carried out along the full length of the rope at approximately 20% increments.

If any of the above criteria fail then the device must be removed from service. In the event of any doubt consult a trained and competent person.

Warning: If this SRL or any fall protection device is known to have arrest a fall, it must be removed from service immediately.

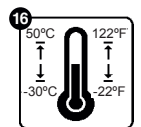
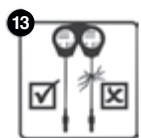
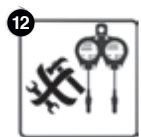
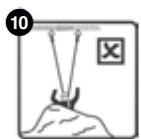
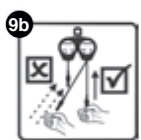
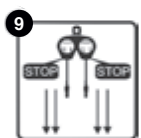
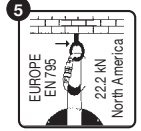
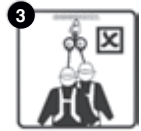
Instructions for Use - Hazard Area

1. Fall arrestors in accordance with EN 360:2002/ CSA Z259.2.2 / ANSI / ASSE Z359.1-2007, Z359.14- 2012 represent personal safety equipment serving to protect the user in conjunction with a safety harness EN 361:2002, CSA Z259.10-06 / ANSI / ASSE Z359.1-2007 where falling hazards exist. The device must only be used corresponding to its intended purpose.
2. Failure to comply with the instructions for use could result in a danger to life. In the event of an arrest fall, the user must be recovered from suspension as soon as possible. This device shall be removed from service, when the visual load applicator is deployed. A rescue plan taking into account all possible rescue scenarios during the work must be drawn up.
3. This device can only protect one person at a time during use.



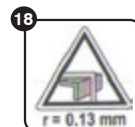
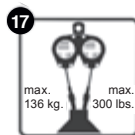
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4. The device must be connected by the attachment point (see Figure A, point 1), to the dorsal fall arrest attachment point of the user's safety harness. The device should be connected to the harness using a suitable connector conforming to EN 362:2004 /CSAZ259.12-01/ ANSI /ASSE359.1-2007.
5. Suitable anchorage points with sufficient load bearing capacity must be selected for the attachment of the working lifelines via the swivel connector (see Figure A, point 3), (e.g. anchorage point corresponding to EN 795 in Europe, North America the anchorage point or structure should be capable of withstanding a force of 22.2 kN (5,000 lbs.) or twice a maximum of expected arrest force as certified by a qualified person).
6. This device offers protection to the user when climbing on structures, i.e. lattice steel towers. One lifeline should always be attached. The attachment point of the lifeline, wherever possible, should be above the height of the attachment point on the harness. This point should also be selected so as to minimize the effect of a pendulum swing in the even of a fall.
7. The device is attached to the rear attachment point of a fall arrest safety harness, the lifelines should come over, not under, the user's arms to the anchorage point during use (see Figure 20).
8. The legibility of the product labeling must be checked each time before use (See Figure A, point 5).
9. A function test should be carried out before each use by pulling out each lifeline with a sharp pull. The device must lock. The load indicating stitch pattern must also be checked. If the pattern is broken, the device should not be used (see Figure A, point 4).
10. This fall arrester should not be used above granulated materials or similar substances into which they can sink (see Figure 10).
11. A damaged device or a device that has been subjected to an arrested fall must be taken out of use immediately. It may only be reused after inspection and re-certification by an approved service agent.
12. This device must be checked by an approved service agent every 12 months. The effectiveness and durability of the height safety device depends on regular inspection and maintenance by an approved service agent.
13. If there is any evidence of damage to the webbing lifeline (see Figure A, point 2), i.e. cuts, tears, nicks, worn edge, the device must be withdrawn from service and returned to an approved service agent for repair.
14. Guidance and legislation in the country of use must be followed.
15. The clear space below the user's feet must be 2.0m (6.5') if the device is anchored above the user, and 3.8m (12.5') if anchorage point is located at the working level height.
16. This device can be used in the temperature range from -30° to +50° C.



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17. The working load limit is 136 kg. (300 lbs.)
18. This device must be protected against the effects of welding flames and sparks, fire, acids, caustic solutions and similar.
19. No changes or modifications should be made to this device.
20. Note: fall arrestors may only be used by persons who have received corresponding training or who have gained expertise in another way. Their health or state of mind must not be impaired in any way (alcohol, drugs, medicines, heart or circulation problems).
21. The service life of the fall arrestor must be determined during the annual test. This is approximately 10 years, depending on the use to which it is subjected.
22. This SRL-LE has been tested and approved for use in applications that may result in over-edge falls (see Figure 18).
23. The minimum clearance required when used in a leading edge situation is 4 m (13 ft) (see Figure 19).
24. The setback distance when used in a leading edge situation shall be a minimum of 30 cm (12") (see Figure 21).

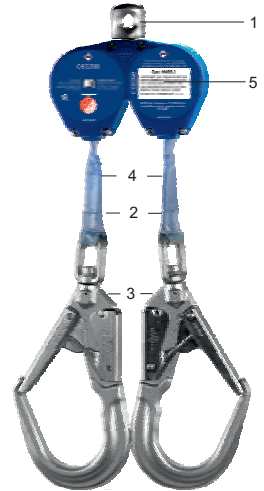


Service and Maintenance

1. The webbing lifeline should only be recoiled under tension. On no account should you fully pull out and release the lifeline, as the jolting impact of the small connector on the device can cause the return spring to break.
2. The webbing lifeline of this device may only be cleaned with soap suds and a sponge, on no account use a solvent.
3. Fall arrestors must be stored in a dry location free of dust and oil, if possible in the packaging supplied.
4. Textile elements which have become wet during cleaning or use may only be left to dry naturally, i.e. not in the vicinity of fire or heat sources.
5. This device must be checked by an approved service agent every 12 months. The effectiveness and durability of the height safety device depends on regular inspection and maintenance by an approved service agent.

Product Labels

SRL-50502-7 & SRL-50602-7



1. Attachment point to harness
2. Lifeline
3. Connector for connection to structure
4. Load indicating stitch pattern
5. Label



INSPECTION LOG

	Inspection Date	Results	Corrective Action	Maintenance Performed	Inspection Conducted By
1					
2					
3					
4					
5					
6					
7					
8					
9					
10					