



## INSTRUCTIONS FOR USE OF NEXT LEVEL FALL PROTECTION SELF-RETRACTING LIFELINES (SRL's)

For Use with Next Level Fall Protection Bulldog and Twin Bulldog Web Self-Retracting Lifelines

Part Numbers NLSRD6W, NLSRD6WR, NLSRD6WTR, NLSRD6WT

### **WARNING**

These instructions which were supplied with this product at the time of shipment must be read and understood by the authorized person/user prior to use. Instructions must be followed for proper use, maintenance, and inspection. Alterations or misuse of this product or failure to follow instructions may result in serious injury or death. **This equipment must only be used by trained personnel.** The organization shall retain the manufacturer's instructions and make them readily available to all users.

These instructions are intended to meet ANSI/ASSE Z359.1-2016 The Fall Protection Code.

If a product has been subjected to a fall, remove from service immediately and tag the SRL "UNUSEABLE". This product is to be used with compatible components of a fall arrest, travel restraint, or work positioning system.

Do not remove labels.

Federal law requires employers to ensure that all users are trained in the proper installation, use, inspection, and maintenance of fall protection equipment. Fall protection training should be an integral part of a comprehensive safety program. The employer must ensure that each employee is trained by a Qualified Person per OSHA 1910.30.

#### **1.0 Definitions per ANSI Z359.0-2012**

- 1.1 Authorized Person- A person assigned by the employer to perform duties at a location where the person will be exposed to a fall hazard.
- 1.2 Competent Person- An individual designated by the employer to be responsible for the immediate supervision, implementation and monitoring of the employer's managed fall protection program who, through training and knowledge, is capable of identifying, evaluating and addressing existing and potential fall hazards and who has the employer's authority to take prompt corrective action with regard to such hazards.
- 1.3 Qualified Person- A person with a recognized degree or professional certificate and with extensive knowledge, training and experience in the fall protection and rescue field who is capable of designing, analyzing, evaluating and specifying fall protection systems to the extent required by these standards.

## **2.0 Intended Use and Purpose**

This product is to be used as a part of a personal fall arrest system. The user must also read and understand instructions included with other components which are being used in your personal fall arrest system (e.g. harnesses and anchors). This device can be used in either direction. The housing swivel can be attached to an anchor or the snap hook can be attached to an anchor (wearing device on the user's back).

## **3.0 General Requirements**

- 3.1 All Authorized persons/users must reference the regulations governing occupational safety, as well as applicable ANSI standards. Please refer to product labeling for information on specific OSHA regulations, and ANSI standards met by this product.
- 3.2 It is essential that users of this equipment receive proper training and instruction, including detailed procedures for the safe use of such equipment in their work application. ANSA/ASSE Z359.2 Minimum Requirements for a Managed Fall Protection Program establishes criteria and requirements for an employer's fall protection program including, survey and identification of fall hazards, fall protection procedures, eliminating or controlling fall hazards, rescue procedures, program implementation, incident investigation and evaluating program effectiveness.
- 3.3 Allow adequate fall clearance below the work surface.
- 3.4 Evaluate the space below work area to ensure that the potential fall path is clear of obstructions. Remove any obstructions, debris, material, or other recognized hazards from the work area that could cause injuries or interfere with the effective operation of the system.
- 3.5 The user must have a written rescue plan and the means at hand to implement it, when using the equipment.
- 3.6 Equipment must not be altered in any way.
- 3.7 If the product exhibits any abnormalities, unusual wear, or deterioration, it must be removed from service.
- 3.8 If the equipment becomes wet either from being in use or due to cleaning, it should be allowed to dry naturally.

## **4.0 Limitations of Use**

- 4.1 This device is not to be used in leading edge applications.
- 4.2 Do not work above device.
- 4.3 Free fall limit: 2 ft.
- 4.4 ANSI Z359.14 Class A SRD
  - 4.4.1 Capacity 130-310 lbs. for worker including tools.
  - 4.4.2 Maximum Arrest Distance 24 inches
  - 4.4.3 Average Arresting Force 1,350 lbs.
  - 4.4.4 Maximum Arresting Force 1,800 lbs.
- 4.5 SRL must always be positioned above the Full Body Harness D-ring
- 4.6 Always maintain tension on the lifeline while retracting.
- 4.7 Do not allow lifeline to become slack.
- 4.8 The device must be kept clean and free of contaminants.
- 4.9 Avoid using this device when working on slowly shifting material such as sand or where your body could be confined. If a fall occurs, the device may not lock due to the slow speed of the fall.

- 4.10 This equipment is designed to be used in temperatures ranging from -40 ° F to 130 ° F.
- 4.11 Do not expose this equipment to chemicals, harsh solutions, heat, flames or other environmental conditions which may produce a harmful effect. Consult Next Level Fall Protection in case of doubt.
- 4.12 Use caution when working with this product near moving machinery, electrical hazards, sharp edges, abrasive surfaces or welding. All synthetic material must be protected from slag, hot sparks, open flames or other heat sources.
- 4.13 Do not allow equipment to contact anything that will damage it including (but not limited to) sharp, abrasive, rough, or high temperature surfaces.
- 4.14 The user must be aware that forces experienced during the arrest of a fall or prolonged suspension may cause bodily injury. Consult a physician if there is any question about the user's ability to use this product. Pregnant women and minor children must not use this product.
- 4.15 When attaching the device so that the device is worn on the user's back, attach the housing swivel only to the back (dorsal) D-ring of a full-body harness using a carabiner which meets current OSHA and ANSI/ASSE standards or to the webbing of a full body harness using a connector approved by the manufacturer for this purpose such as the Next Level Fall Protection Connector (NLDCG1) which is supplied with twin SRL (SRD) products NLSRD6WT and NLSRD6WTR. The use of Dual Connector NLDCG1 is shown in Section 5.7.
- 4.16 When used in the direction of the device housing attached to the anchor and the device snap hook attached to the harness dorsal D-ring, attach the housing swivel to an anchorage meeting the requirements of Section 7.0 using an ANSI Z359.12 carabiner.
- 4.17 These Next Level Fall Protection Self-retracting lifelines are designed for users with a working weight including clothing, tools etc. of 130-310 lbs. which coincides with the scope of ANSI Z359.14.
- 4.18 Only use components rated for the same weight capacity. Not all fall protection components are rated for the same user weight.
- 4.19 Never use fall protection equipment for purposes other than for which it was designed.
- 4.20 Do not use fall protection equipment for towing or hoisting.
- 4.21 Do not tie knots in the lifeline.
- 4.22 Do not pass lifeline around or under any part of the user's body or any obstacle.
- 4.23 Do not attach the snap hook back onto the device's lifeline.
- 4.24 Protect all life-line material from hot sparks, slag, open flames or other heat sources.
- 4.25 Consider environmental hazards when selecting fall protection equipment.
- 4.26 This product is not repairable.

## **5.0 System Compatibility**

**WARNING- Always understand the regulations and standards regarding personal fall arrest system component requirements. Read, understand and follow the instructions provided with each component being used as part of the personal fall arrest system.**

- 5.1 Do not use combinations of components or sub-systems or both which may affect or interfere with the safe function of each other.
- 5.2 A competent person must evaluate the system and its components for compatibility.

- 5.3 The gates of connecting components must require at least two consecutive deliberate actions to open.
- 5.4 Do not make inappropriate connections. The following are examples of inappropriate connections:

Connector closed and locked to D-ring. **OK.**



Connector to integral lanyard. **NO.**

Two or more snap hooks or carabiners connected to each other. **NO.**



Connector directly to webbing. **NO.**

Two connectors to same D-ring. **NO.**



Application that places load on gate. **NO.**

Incompatible or irregular application, which may increase risk of roll-out. **NO.**



Connector directly to horizontal lifeline. **NO.**

- 5.5 Eliminate the possibility of “roll-out” which could occur when interference between a snap hook and the attachment point causes the snap hook gate to unintentionally open and release. All Carabiners and snap hooks used as interconnecting hardware in fall arrest systems must be self-closing and self-locking and the gates must be able to withstand a minimum load of 3,600 lbs.
- 5.6 When using the harness dorsal D-ring with a carabiner or snap hook, beware of false connections between snap hooks and D-rings. This can occur when the user thinks that the components are properly connected but, in fact, the snap hook only sits inside the D-ring and is being held in place by friction or a protruding feature of the snap hook. Unseen by the worker if it involves the D-ring behind the user’s back, this condition is unsafe and likely to come apart during the arrest of a fall or by other movements of the worker. Always visually check and ensure that the connection between the snap hook and the D-ring is secured properly.

- 5.7 Fall arrest connecting devices shall be attached to the dorsal attachment element (back D-ring) of the full body harness using an ANSI Z359.12 connector (carabiner or snap hook) or to the webbing of a full body harness using a connector approved by the manufacturer for use for this purpose such as Next Level Fall Protection Dual Connector NLDCG1



D-ring



Using Dual Connector to attach SRL's

## 6.0 Twin Bulldog SRL's

- 6.1 A Dual Connector is provided with Twin Bulldog SRL's and available separately for single Bulldog SRL.
- 6.2 Simultaneously press both release buttons while pulling on knob at the end to open.



- 6.3 Insert the connector through the top swivel of one SRL.



- 6.4 Insert the connector through the top swivel of a second SRL, if desired.



6.5 Before donning the full body harness create slack under both webbing straps.



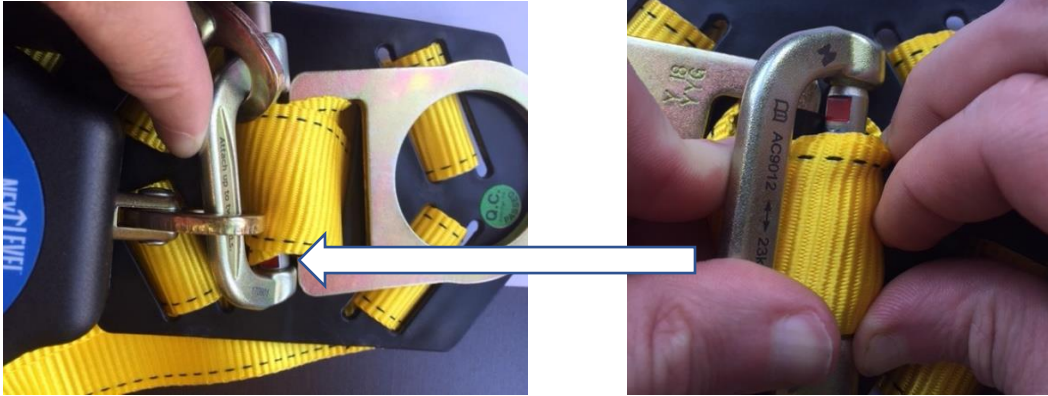
6.6 While pressing the release button at the end of the locking bar, slide the locking bar under both webbing straps and below the D-ring until fully inserted. **Do not install above D-ring.**



6.7 Fully insert the locking bar so that the connector is closed and locked.



6.8 Ensure that the red (not locked) indicator is not visible.



6.9 As an additional test to ensure that the connector is lock, try to pull apart by only pressing this release button and not the other one.



6.10 Do not connect Dual Connector to harness D-ring.

6.11 Attach a maximum of two SRL's

## 7.0 Anchorage Requirements

7.1 Anchorages selected for fall arrest systems shall have a strength capable of withstanding static loads applied in the directions permitted by the system:

- 7.1.1 No less than 5,000 pounds for non-certified anchorages; or
- 7.1.2 At least two times the maximum arresting force for certified anchorages; or
- 7.1.3 As determined by ANSI/ASSE Z359.6, Specifications and Design Requirements for Active Fall Protection Systems.

7.2 Anchorage connectors must be compatible with the snap hook connecting device and must not be capable of causing a load to be applied to the gate (keeper).

7.3 When more than one personal fall arrest system is attached to an anchorage, the above anchorage strength must be multiplied by the number of personal fall arrest systems attached to the anchorage.

## 8.0 Calculating Fall Clearance

8.1 The fall clearance must be calculated correctly to avoid contact with the level below should a fall occur.

8.2 Consider harness stretch.

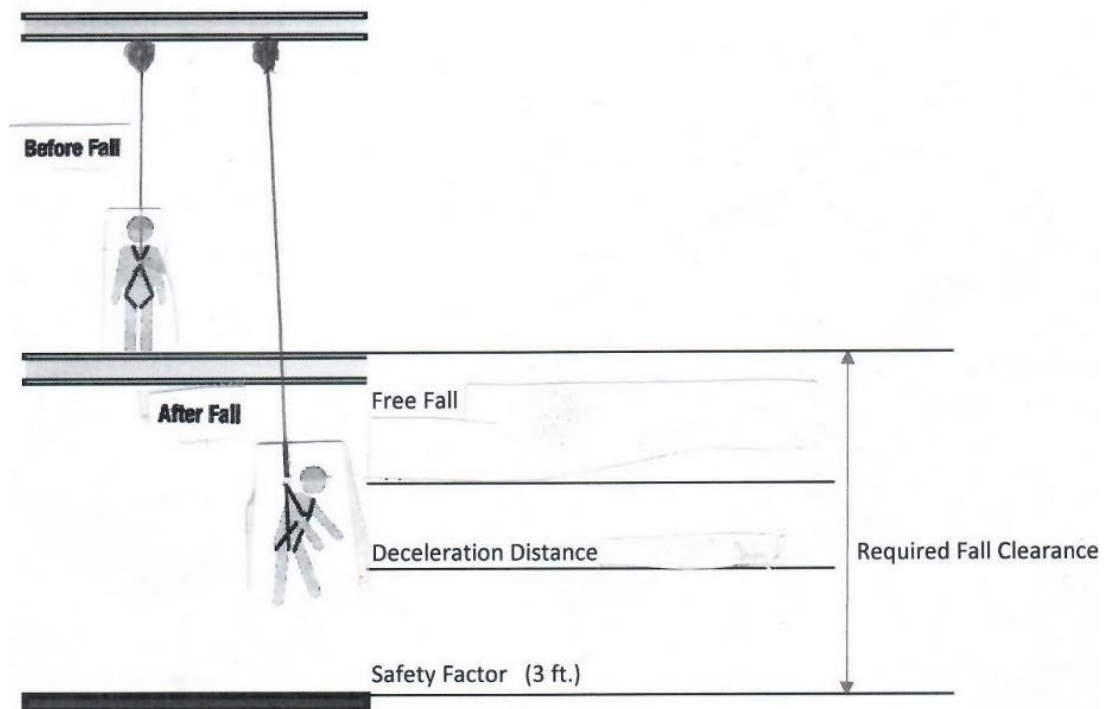


- 8.3 The settling of the user's body if working in a kneeling or other non-standing position must be considered. Additional fall clearance of 3 ft is required when working in a kneeling position or an additional clearance of 5 ft. is required when working in a lying down position.
- 8.4 The length of the D-ring and/or the length of a D-ring extension must be considered.
- 8.5 Additional fall clearance is required when not working directly below the anchor point.
- 8.6 A 3 ft. additional safety factor must also be used.
- 8.7 Device is an ANSI Class A SRD with a maximum arrest distance (device Free Fall plus Deceleration Distance) of 24 in.
- 8.8 See figure below for calculating the Required Fall Clearance when using a Self-Retracting Lifeline.

**Fall Clearance Example: Self Retracting Lifeline: ANSI Class A SRD or ANSI Class B SRD**

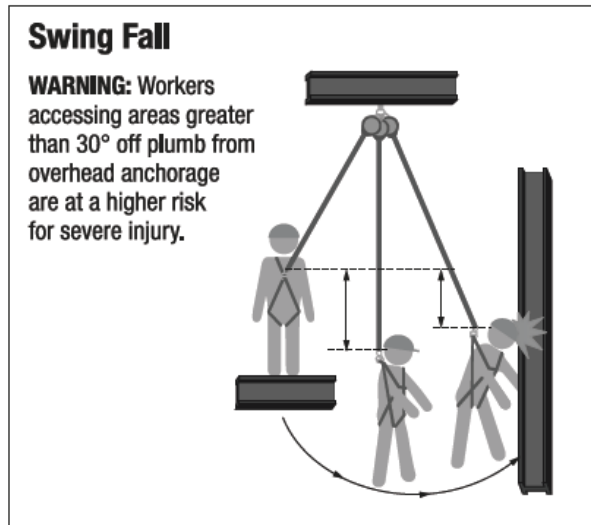
Max. Arrest Distance (SRD Free fall + Deceleration Distance) 24 in. (Class A SRD) or 54 in. (Class B SRD)  
 + Additional free fall beyond that internal to SRD (such as distance of anchor below D-ring)  
 + Additional clearance due to swing fall if anchor is not directly overhead.  
 + Non-standing Work Position Factor = 3 ft. worker sitting, kneeling or crouching; = 5 ft. worker lying down.  
 + D-ring Extension if one is being used  
 + 3 ft. Safety/Stretch Factor  
 = Required Fall Clearance (RFC)

Image 1: Self-Retracting Lifeline Fall Clearance



The information in Image 1 assumes that the user is working directly below the anchor point and in a standing position with no slack in the line. Additional fall clearance must be given when the worker is not in a standing position and not directly below the anchor point.

**Warning-** Other factors such as D-ring/connector length, settling of the user's body, not working directly below the anchor and other contributing elements must be considered when calculating fall clearance. Guard against swing falls by working as directly underneath your anchorage as possible.



## 9, 10 and 11 Inspection, Maintenance and Storage

Users of personal fall arrest systems shall at a minimum, comply with all manufacturer instructions regarding the inspection, maintenance, and storage of the equipment. (See ANSI/ASSE Z359.2. Minimum Requirements for a Managed Fall Protection Program regarding user inspection, maintenance and storage of equipment.)

### 9.0 Inspection

- 9.1 Before each use, inspect device per these instructions, including but not limited to, locking function, function of connectors, cable, connectors, housing and fasteners. Check the legibility of labels and device for any evidence of defects, damage or missing parts. **Do not use and tag the SRL "UNUSEABLE", if inspection reveals an unsafe condition.**
- 9.2 Check that the shock pack on the web SRL has not deployed.



Shock pack under this cover.



Shock pack with cover removed

- 9.3 Inspect locking function and brake by grasping the webbing above the shock pack and pulling sharply to test. The SRL should lock. Do not use if the SRL does not lock.
- 9.4 With the SRL in a mounted position, test retraction by pulling out a minimum of 4 ft. of webbing and allowing it to retract under light tension. The lifeline should pull out freely and fully retract. If the webbing does not pull out freely or sticks when trying to retract, pull out the entire working length of the webbing and allow it to slowly retract under light tension. Do not use if the SRL does not retract properly.
- 9.5 Inspect the entire working length of the webbing for signs of damage, frays or worn areas. If the inspection reveals an unsafe condition, do not use SRL.
- 9.6 Ensure that snap hooks and carabiners fully self-closes and that the carabiner can only open by at least two consecutive deliberate actions. Also, ensure that the rivets and other parts of the hardware are not damaged, distorted, cracked or corroded.
- 9.7 Check the legibility of labels.
- 9.8 Inspection by a Competent Person is required at least every 6 months. If device is used outdoors for prolonged periods of time or it is used in a dirty environment, the inspection frequency should be increased to quarterly. The date of inspections, person who performed each inspection, results and any corrections must be documented.

## 10.0 Maintenance

- 10.1 Do not lubricate this device.
- 10.2 Do not attempt to service this device. The Bulldog SRL's are not repairable.

## 11.0 Cleaning and Storage

- 11.1 Cleaning- The SRL exterior should, periodically, be wiped down using a damp cloth moistened with a mild solution of water and commercial soap or detergent to remove any dirt or contaminants.

11.2 Storage- When not in use the self-retracting lifeline should be stored in a cool, dry and clean place out of direct sunlight. Do not store in areas where damage from environmental factors such as heat, light, UV, excessive moisture, oil, chemicals and their vapors, or other degrading elements may be present.

11.3 The lifeline should be fully retracted in the housing when not in use.

## 12.0 Using a Twin Bulldog SRL for 100% tie-off.

12.1 Attach one SRL snap hook to an anchorage. To transition to another anchorage at a new work position, attach the other SRL to this second anchorage before detaching from the first anchorage. After the connection to the second anchorage has been verified, the first SRL must be detached.

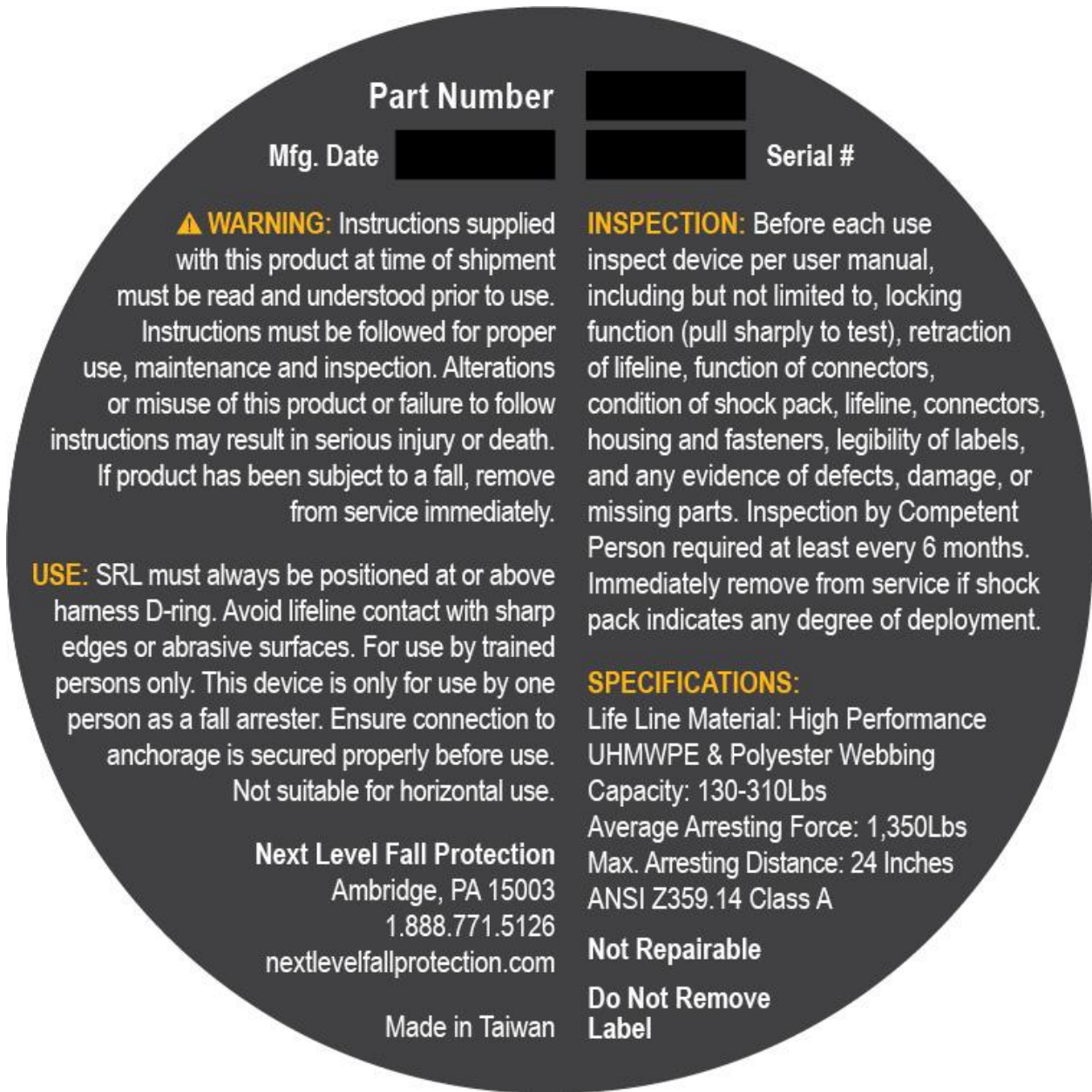
12.2 Do not attach the snap hook from an SRL not being used to a side D-ring. Use harness “parking element” for this purpose.

## 13.0 Labels

13.1 Labels are located on the front and back of the housing as shown below. Never remove labels.

Front Label





#### 14.0 Date and Serial Number

14.1 Note in the picture above where the manufactured date (Mfg. Date) and Serial Number are located at the top of the back label of the SRL.

Product Life is 5 years, as long as it passes pre-use and Competent Person inspections. Remove from service 5 years after the date of first use, or, if not recorded, from the date of manufacture.



## WARRANTY

THE FOLLOWING IS MADE IN LIEU OF ALL WARRANTIES OR CONDITIONS, EXPRESS OF IMPLIED, INCLUDING THE IMPLIED WARRANTIES OR CONDITIONS OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

Unless otherwise provided by applicable law, Next Level Fall Protection, LLC. Products are warranted against factory defects in workmanship and materials for a period of one year from the date of installation or first use by the original owner.

Limited Remedy: Upon notice in writing to Next Level Fall Protection, LLC., Next Level Fall Protection, LLC. will replace or repair all items determined by Next Level Fall Protection, LLC. to have a factory defect. Next Level Fall Protection, LLC. reserves the right to require that the subject product be returned to its facility for evaluation. This warranty does not cover damage beyond Next Level Fall Protection LLC.'s control including but not limited to: abuse, misuse, damage in transit, failure to properly maintain equipment or wear. Next Level Fall Protection, LLC. shall be the sole judge of the product's condition and warranty options. This warranty only applies to this product and the original purchaser. For assistance, please contact Next Level Fall Protection, LLC. at 1-888-771-5126 via email at [info@nextlevelfallprotection.com](mailto:info@nextlevelfallprotection.com).

Limitation of Liability: IN NO EVENT WILL NEXT LEVEL FALL PROTECTION, LLC. BE LIABLE FOR ANY INDIRECT, INCIDENTAL, SPECIAL OR CONSEQUENTIAL DAMAGES INCLUDING BUT NOT LIMITED TO LOSS OF PROFITS, IN ANY WAY RELATED TO THE PRODUCTS REGARDLESS OF THE LEGAL THEORY ASSERTED.



Next Level Fall Protection

2301 Duss Avenue

Suite 15

Ambridge, PA 15003

Telephone: 1-888-771-5126

Fax: 724-318-8998

Download these instructions at [www.nextlevelfallprotection.com](http://www.nextlevelfallprotection.com)

Email: [info@nextlevelfallprotection.com](mailto:info@nextlevelfallprotection.com)

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