



Installation and Usage Diagram for the Rigid Lifelines Fall Arrest Lanyard Extension Cable



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INSTRUCTIONS FOR USE

USER INSTRUCTIONS RIGID LIFELINES FALL ARREST LANYARD EXTENSION CABLE



This product must be used according to the instructions and warnings as described here. Failure to do so could result in injury or death. All users of this product must read and understand all of these instructions.

This product is only to be used as part of a Rigid Lifelines fall protection system. It is never intended to be used for lifting materials or for any other uses except as specifically outlined here in the instructions (see diagrams).

Adequate training must always be required and enforced for the proper use and care of this product. The employer must provide adequate training.

Eliminate any workplace or safety hazards prior to use. Always remember to use proper common sense when using any Rigid Lifelines product. Improper use of this product is not permitted. Read and heed all manuals and all labels with this Rigid Lifelines lanyard extension as well as with all system components shown (see diagrams).

Inspection and maintenance must always be followed for this and all fall arrest components of the entire fall arrest system (see diagram). If this or any fall arrest component is damaged or does not pass inspection, it must be removed from service immediately.

IMPORTANT:

Alterations or misuse of this product or failure to follow instructions may result in serious injury or death. If you have questions on the use, care, or suitability of this equipment for your application, contact Rigid Lifelines at (800) 869-2080 for more information.

MANUFACTURER

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604 Hemlock Road
Morgantown, PA 19543

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sales@rigidlifelines.com

COMPONENTS

IDENTIFYING COMPONENTS OF RIGID LIFELINES FALL ARREST LANYARD EXTENSION CABLE

Model Type: Rigid Lifelines Lanyard Extension Cable

Part Numbers: 8-0166-10 (10' Long)
8-0166-15 (15' Long)
8-0166-20 (20' Long)

Proof Load: Minimum 3,600 LBS. gate strength

Load Rating: Minimum 5,000 LBS. breaking strength

Material:

- 1/4-in wire rope
- 2-3/16-in O-ring, zinc plated carbon steel
- ANSI rated snaphook, double action, locking snaphook, zinc plated

IDENTIFYING COMPONENTS OF RIGID LIFELINES FALL ARREST LANYARD EXTENSION CABLE

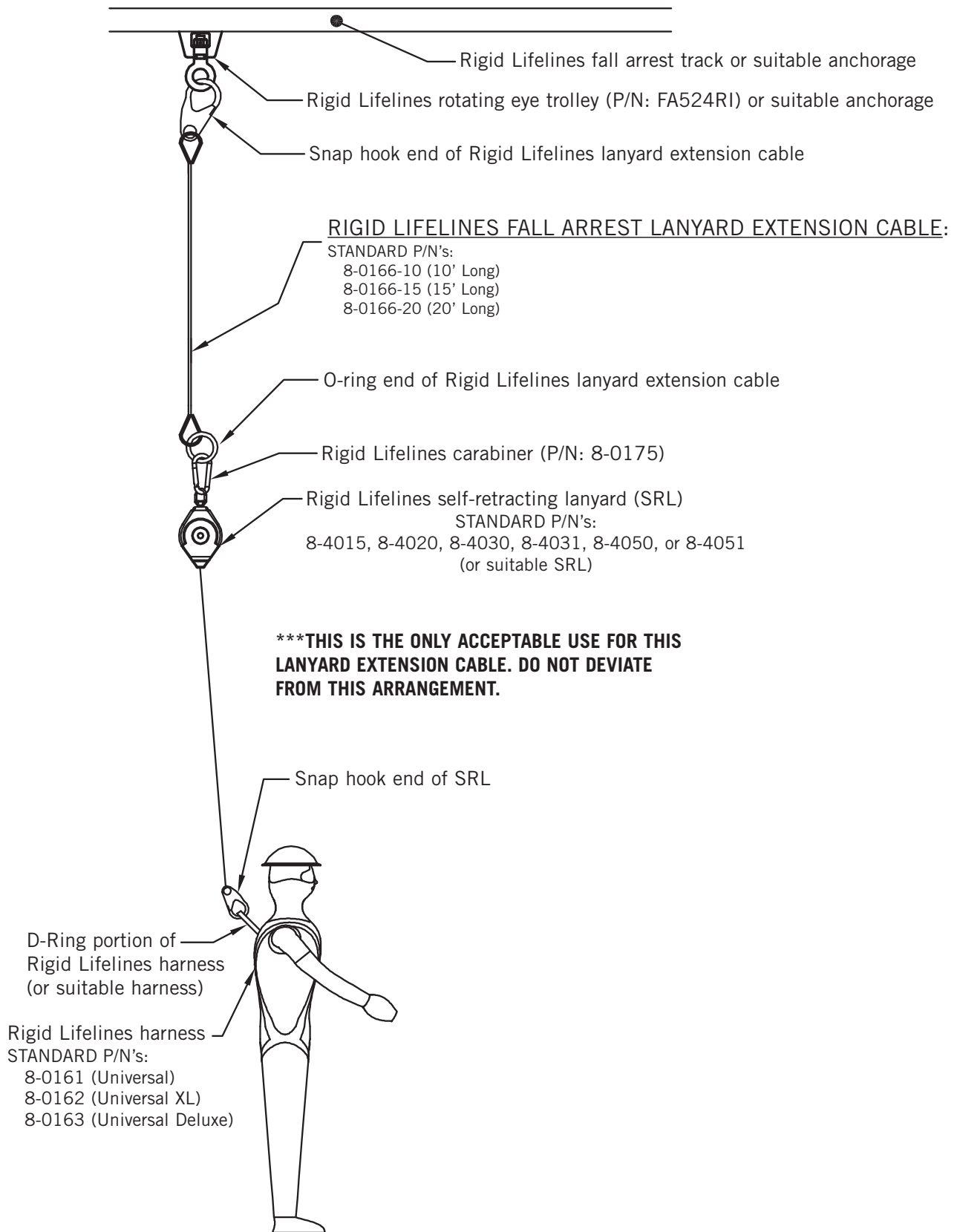


Figure 1. Lanyard Extension Cable Components Diagram

SPECIFICATIONS FOR CABLE

The following specifications apply to all Rigid Lifelines Fall Arrest Lanyard Extension Cables:

- Steel
- 7x19 Strand Core
- 1/4" Diameter
- Minimum 5,000 LBS Breaking Strength

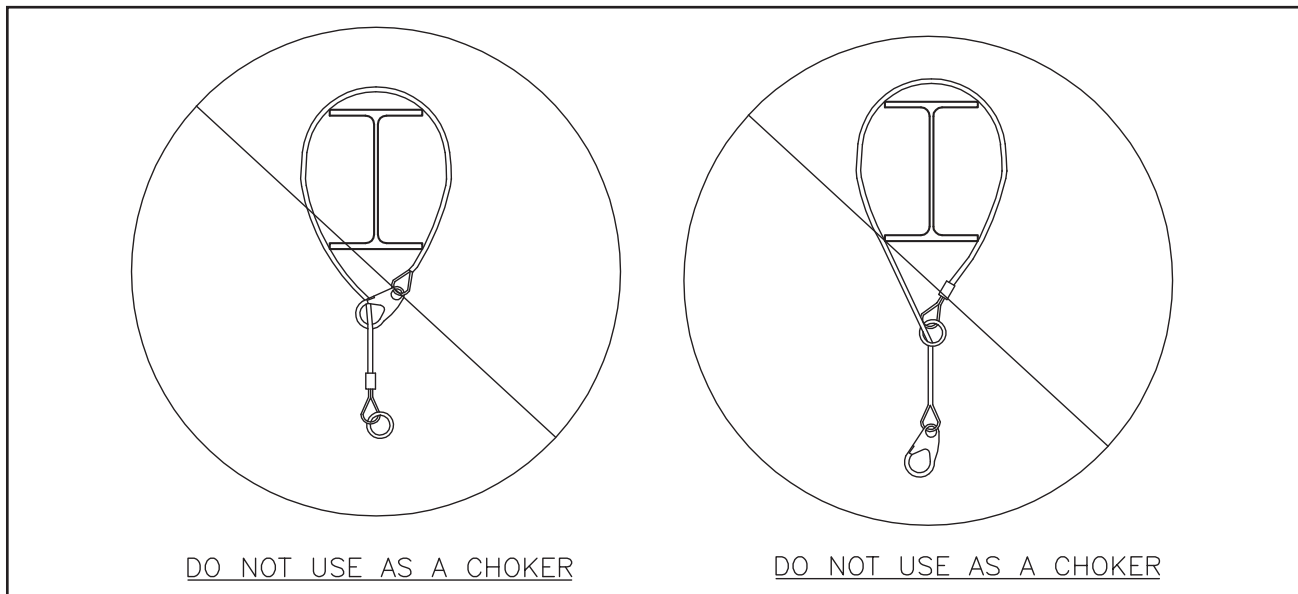


Figure 2.

WARNING: Care must be taken to never use the Extension Cable as a choker in a tie-back installation. It is possible when installing an Extension Cable to loop the Extension Cable around a beam and then attach it back to itself by snapping the hook of the snap over the cable (see **Figure 2**). It is also possible to loop the Extension Cable around an I-beam and insert the snap back through the O-ring creating a choker effect (see **Figure 3** on page 9). Both of these arrangements are strictly forbidden.

USAGE NOTES

- 1) All Rigid Lifelines fall protection systems meet and/or exceed all OSHA & ANSI requirements.
- 2) Read, understand and follow instructions of all component manuals and warnings before use.
- 3) Follow all current requirements of ANSI Z359 (or CSA Z259 in Canada).
- 4) The following requirements do not preempt any current OSHA, Canadian, or ANSI Z359 fall protection requirements.

USAGE NOTES...continued

- 5) Always perform a hazard analysis before use that will identify impact hazards, swing hazards, or any other hazards that may exist. Address and correct all hazards before use.
- 6) Inspect system before use. Check for bent, broken, or missing components.
- 7) Never use system with the attachment point below the D-ring of the harness.
- 8) Always have a written rescue plan that defines who will rescue and what equipment will be used.
- 9) Always use the buddy system when using fall protection (the monitor, or “buddy” does not need to be physically on the system, just nearby supervising.) Never use the system alone, without a monitor.
- 10) On systems with rolling bridges or rotating booms, position attachment point directly overhead of worker(s) at all times.
- 11) Choose the shortest length self-retracting lanyard (SRL) available that will allow the worker to perform his/her job function. This will reduce total fall distance and thereby limit any possible injury during a fall. Short cable lengths will reduce the amount of “cable cinching” on the internal SRL pulley, thereby reducing fall distance.

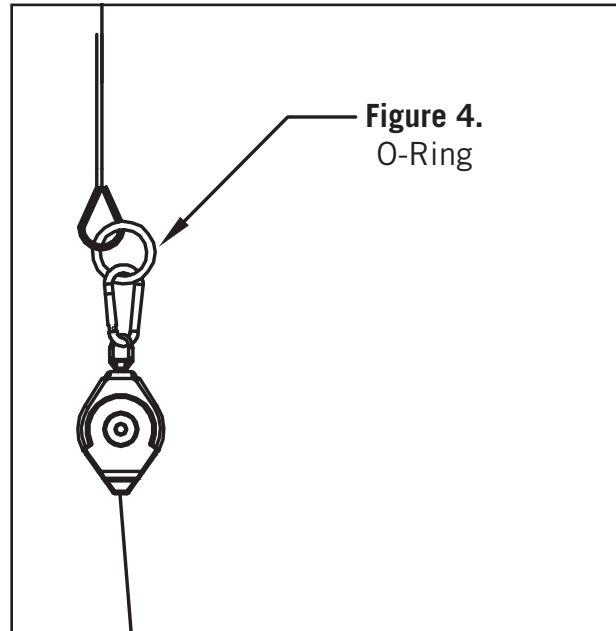
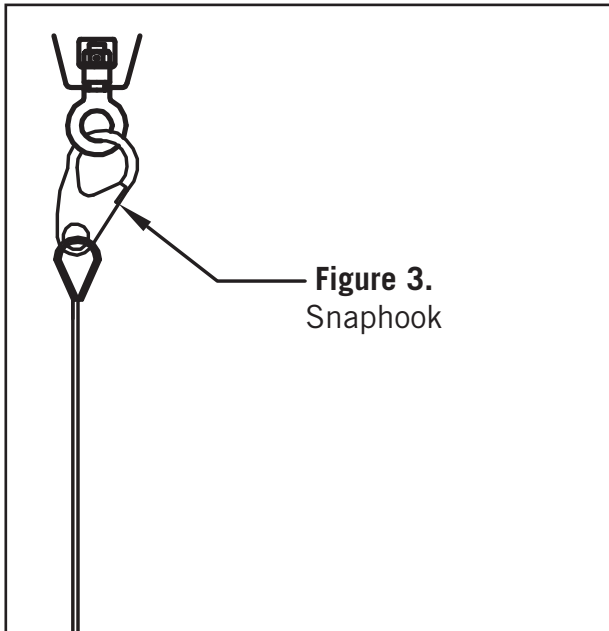
For example, 50 feet of lanyard strap wrapped around a pulley will pay out more than 10 feet of strap wrapped around a pulley before the strapping becomes tight enough to resist the load. Fabric lanyards also stretch under load. The longer the lanyard, the longer the stretch.

- 12) If connecting hardware must be added, compatibility must be verified by a competent person, and the connector must be certified to ANSI Z359.1-2007 (or CSA Z259 in Canada) with a minimum 3,600 LB gate strength.
- 13) Per OSHA & ANSI (or CSA Z259 in Canada), designate a competent person who can fulfill obligations of the regulations.
- 14) Never deviate from the above unless you have written permission and authorization from Rigid Lifelines.

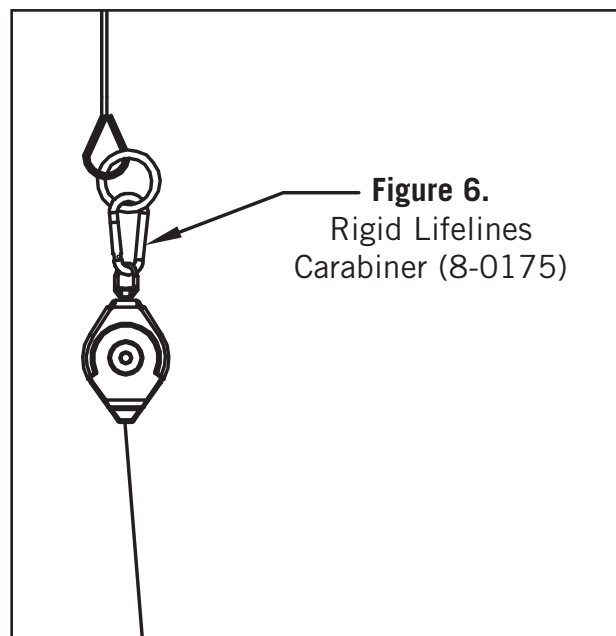
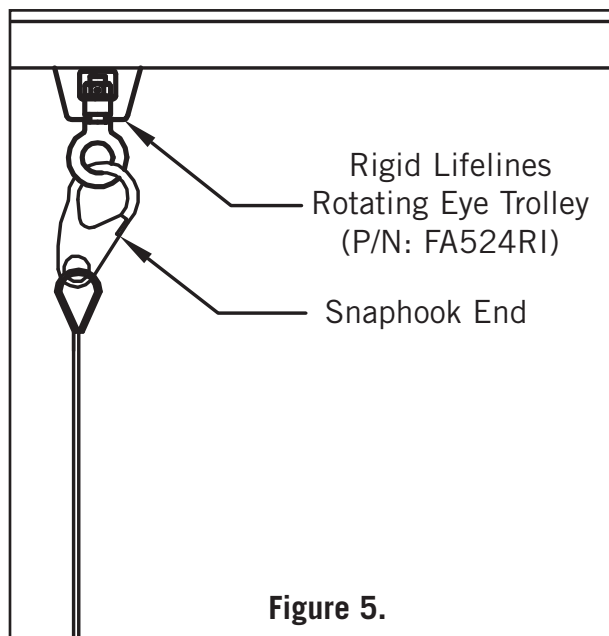
PRODUCT INSTALLATION

This fall arrest self-retracting lanyard (SRL) extension cable is one component of a complete Rigid Lifelines system. The purpose of this extension is to attach the Rigid Lifelines SRL at a lower point.

The snap hook of this extension cable should always go upward (see **Figure 3**) and the O-ring should always be hanging downward (see **Figure 4**).

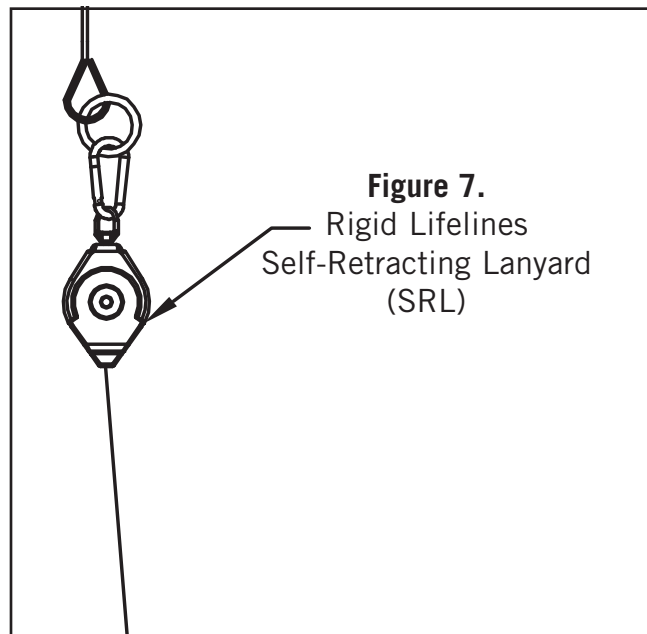


The extension snap hook should always attach to the Rigid Lifelines rotating eye trolley or other suitable anchorage. This extension should go **ABOVE** the SRL (see **Figure 5**). When using this extension cable, the carabiner attaches the O-ring to the top of the SRL (see **Figure 6**).

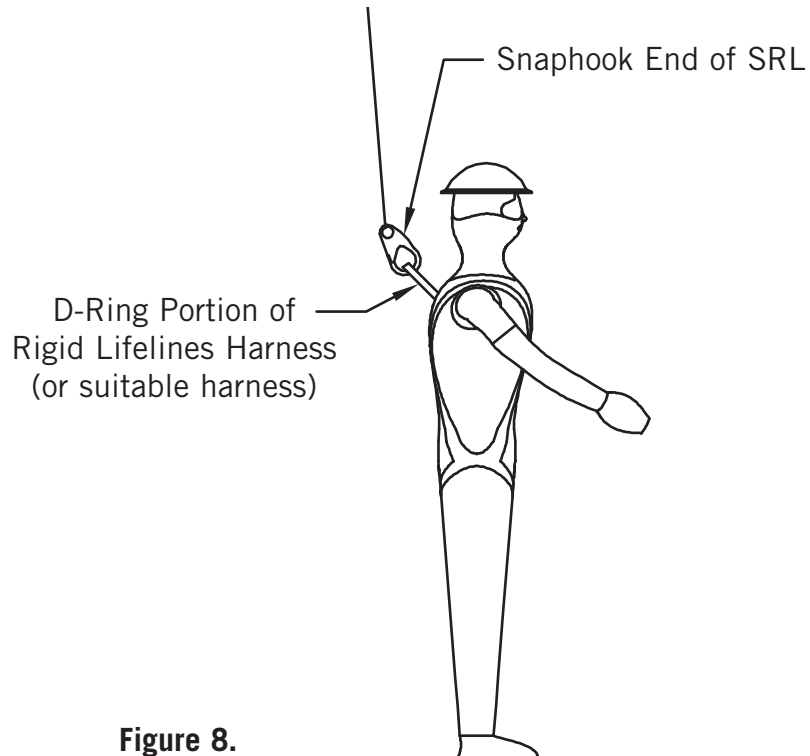


PRODUCT INSTALLATION...continued

The SRL should always be orientated as shown (the retracted portion of the cable/strap goes upward) (see **Figure 7**).



The SRL snap hook always attaches to the D-ring of the harness (see **Figure 8**). This lanyard extension cable should not be longer than needed. SRL instructions must be followed. This product will lower the attachment elevation of the SRL, therefore adjust fall clearances as required.



PRODUCT INSPECTION AND MAINTENANCE

- Reference and complete the chart on the following pages for inspections.
- The user of this extension lanyard and the user's organization are responsible for inspection and maintenance.
- This device should be inspected prior to each use.
- This device must be removed from service immediately if there are one or more items that do not pass inspection.
- If this device was subject to a fall, it must be removed from service immediately. Once it has been checked by a competent person and deemed usable, it may then be returned to service.
- This device needs to be checked by a competent person (other than the user) once per year or sooner if deemed necessary by the competent person.
- This chart should be completed at least once every year. If all boxes are filled in, make a separate chart.

CLEANING

If necessary, the Rigid Lifelines Fall Arrest Lanyard Extension Cable may be cleaned prior to use. Use a solvent based oil such as WD-40 that does not contain chlorine or chemicals corrosive to steel or zinc. Spraying with a light oil and wiping clean will ensure that the snaphook is free of debris and well lubricated.

VISUAL INSPECTION CHART

Date									
Inspector Initials									
Snap Hook Not Bent or Broken									
Readable Label									
O-Ring Present and Not Bent, Cracked, or Broken									
Thimbles Present and Not Bent or Broken									
Proper SRL, Attachment Structure, and Harness									
No Corrosion, Deformation, Cracks, or Frays									
Crimps Present and Not Bent, Broken, or Cracked									



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TEN-YEAR EQUIPMENT WARRANTY

Rigid Lifelines warrants the engineered track equipment, wearable end truck wheels, and Anchor Trolley™ wheels and teeth to be free from defects in material and workmanship for a period of ten (10) years commencing on the date of installation.

TWO-YEAR EQUIPMENT WARRANTY

Rigid Lifelines warrants XSPlatforms Fall Protection components to be free from defects in material and workmanship for a period of two (2) years commencing from the date of installation.

ONE-YEAR EQUIPMENT WARRANTY

Rigid Lifelines warrants the motorized products and drive components to be free from defects in material and workmanship for a period of one (1) year, commencing on the date of shipment to the first retail purchaser ("Purchaser").

Rigid Lifelines warrants all Rigid Lifelines fall protection soft goods, devices, connectors, and accessories to be free from defects in material and workmanship for a period of one (1) year, commencing on the date of shipment to the first retail purchaser ("Purchaser").

Rigid Lifelines is dedicated to offering superior service and quality products to all of our customers. If you would like to contact a customer service representative, please call the following number: 1 (800) 869-2080. We will be happy to assist you in any way that we can.

These warranties do not extend to equipment which has been subject to misuse, use in excess of rated capacity, negligent operation, use beyond Rigid Lifelines published service factors, improper installation or maintenance, adverse environments, and does not apply to any equipment which has been repaired or altered without Rigid Lifelines written authorization. This warranty is void for any product that is designed to deform or absorb energy during a fall event and needs to be replaced after a fall event has occurred.

Written notice of any claimed defect must be given to Rigid Lifelines within thirty (30) days after such defect is discovered. Rigid Lifelines obligation, and Purchaser's sole remedy under this warranty is limited to, at Rigid Lifelines discretion, the replacement or repair of the equipment at Rigid Lifelines factory or at a location approved by Rigid Lifelines. THIS WARRANTY IS EXPRESSLY IN LIEU OF ALL OTHER WARRANTIES WHATSOEVER WHETHER EXPRESS, IMPLIED, OR STATUTORY. SELLER MAKES NO WARRANTY AS TO THE MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE OF THE EQUIPMENT AND MAKES NO OTHER WARRANTY, EITHER EXPRESS OR IMPLIED.

Rigid Lifelines shall not be liable, under any circumstances, for any indirect, special, or consequential damages including (but not limited to): lost profits, increased operating costs, or loss of production. This warranty shall not extend to damages including (but not limited to): lost profits, increased operating costs, or loss of production. This warranty shall not extend to any components or accessories not manufactured by Rigid Lifelines (example: casters), with the exception of the components, systems, or accessories involved with XSPlatforms, and purchaser's remedy for such components and accessories shall be determined by the terms and conditions of any warranty provided by the manufacturer of such components and accessories.

SERVICE POLICY

1. Obtain as much information as possible concerning the problem through personal observation by yourself or other authorized personnel familiar with the job and equipment: include model, serial and/or part numbers, voltages, speeds and any other special identifying features. Be prepared to discuss the situation in detail.
2. All authorized labor charges will be based on straight time. Hourly rates, estimated man hours, and not to exceed total dollar amount required for corrections are to be agreed upon before authorization is given. There will be no allowances for overtime except in dire emergencies and then only with prior approval.
3. A verbal agreement may be reached immediately on both the method of correction and the approximate cost. A warranty authorization number will be assigned for the specific incident. A confirming written authorization will be forwarded to the distributor.
4. The distributor must send an itemized invoice, showing our release number or invoice number and warranty authorization number after authorized corrections have been made. A credit memo will be issued by accounting after the invoice has been received and approved. Warranty charges ARE NOT to be deducted from outstanding open account invoices under any circumstances.
5. Any field corrections made prior to an authorization by Rigid Lifelines will not be accepted as a warranty charge or the responsibility of Rigid Lifelines. Any modification to the equipment made without the prior approval of the seller will void all warranties. A verbal authorization for modification may be obtained, in which event a warranty authorization number will be assigned for the specific modification. A confirming written authorization will be forwarded to the distributor.