

User Instruction Manual

Reusable Roof Anchors



Part Number:
RL-01(A)

ISO 9001: 2008 Registered
Manual 103-0063



General Safety Information

Under Penalty of Law

- This *User Instruction Manual* is not to be removed except by the user of this equipment.
- Current *User Instruction Manuals* must always be available to the user.
- Read and understand these instructions before using equipment.
- ***Do not throw away these instructions.***



WARNING

Misuse or failure to follow warnings and instructions may result in serious personal injury or death.

Users must read and understand the *User Instruction Manual* provided with the product and be properly trained by their employer prior to use per OSHA 29 CFR 1910.66 and 1926.503 or applicable local standards.

Compliant fall protection and emergency rescue systems help prevent serious injury during fall arrest.

For instructions about proper use, refer to supervisor, *User Instruction Manual*, or call Rigid Lifelines at: 844-467-4443.

Purpose

The Rigid Lifelines® Reusable Roof Anchor [RL-01(A)] is designed to be used as part of a personal fall arrest system to help limit the forces associated with fall arrest.

Instructions For Use

- Personal fall arrest system MUST limit the maximum arrest force to 900 pounds or less.
- Failure to follow all instructions and limitations on the use of this equipment may result in serious personal injury or death.
- Before using a personal fall arrest system, employees shall be trained in accordance with the requirements of OSHA 29 CFR 1910.66 in the safe use of the system and its components.
- Prior to each use, inspect all personal fall arrest system equipment for wear, damage, and other deterioration. Defective components must be removed from service immediately in accordance with the requirements of OSHA 29 CFR 1910.66 and 1926.502.
- Thoroughly evaluate and plan all elements of your fall protection system(s) before using your equipment. Make sure that your system is appropriate for your needs and facility. Also be sure to calculate fall clearance and swing fall clearance.
- Users must have a rescue plan and the means to implement it. This plan must provide prompt employee rescue or assure that employees have the ability to rescue themselves in the event of a fall.
- Store this equipment in a cool, dry, and clean environment that is out of direct sunlight when not in use.
- After a fall occurs, this equipment must be removed from service and destroyed immediately.

Limitations For Use

- Rigid Lifelines Reusable Roof Anchors [RL-01(A)] are designed for a single user (including clothing, tools, etc.) with a capacity up to 310 pounds (140 kilograms).
- Rigid Lifelines Reusable Roof Anchors [RL-01(A)] must only be used on structures capable of supporting static loads applied in all directions permitted by the fall arrest system of at least: 3,600 pounds (16.0 kilonewtons) with certification of a qualified person, or 5,000 pounds (22.2 kilonewtons) without certification.
- This equipment is designed to be used in temperatures ranging from -40°F to +130°F (-40°C to +54°C).
- Do not expose this equipment to chemicals or harsh solutions that may have a harmful effect. Contact Rigid Lifelines with any questions.

- Use caution when working with this product near moving machinery, electrical hazards, sharp edges, or abrasive surfaces, as contact may cause equipment failure, personal injury, or death.
- Minors, pregnant women, and anyone with a history of back and/or neck problems should not use this equipment.
- Do not use or install equipment without proper training from a “Competent Person,” as defined by OSHA 29 CFR 1926.32(f).
- Only Rigid Lifelines, or entities authorized in writing by Rigid Lifelines, shall make repairs or alterations to the equipment.

Connector Compatibility Limitations

All Rigid Lifelines® equipment must be coupled to compatible connectors. OSHA 29 CFR 1926.502 prohibits snap hooks from being engaged to certain objects unless two requirements are met:

1. It must be a locking type snap hook.
2. It must be “designed for” making such a connection.
 - a. “Designed for” means that the manufacturer of the snap hook specifically created the snap hook to be used to connect to the equipment in question.

The following conditions can result in rollout* when a non-locking snap hook is used. **Avoid the following connections:**

- Direct connection of a snap hook to horizontal lifeline.
- Two (or more) snap hooks connected to one D-ring.
- Two snap hooks connected to each other.
- A snap hook connected back on its integral lanyard.
- A snap hook connected to a webbing loop or webbing lanyard.
- Improper dimensions of the D-ring, rebar, or other connection point in relation to the snap hook dimensions that would allow the snap hook keeper to be depressed by a turning motion of the snap hook.



* Rollout: A process by which a snap hook or carabiner unintentionally disengages from another connector or object to which it is coupled. (ANSI Z359.0-2007)

Performance

Rigid Lifelines® Reusable Roof Anchors [RL-01(A)] have a minimum tensile breaking strength of 5,000 pounds (22.2 kilonewtons) when statically tested in accordance with the requirements of the ANSI Z359.1-07 standard.

Part Number	Material	Length	Width	Connection Opening	Approximate Weight	Standard Regulation
RL-01(A)	1/8 in. plate steel	21 in.	3 in.	2 1/4 in.	1.6 lb.	ANSI Z391.1 07

Installation



WARNING

Fill all holes with 16D 3-inch nails to attach the RL-01(A) roof anchor. All nails must pass through the sheathing and into a support structure. If this warning is not followed, the anchorage connection will be weakened and serious injury or death could occur in the event of a fall.

Attach to the D-ring only with a locking snap hook, locking carabiner, or other Rigid Lifelines-approved connector or connecting device.

- Anchors must be installed at the roof peak and located a **minimum** of 5 feet inward from leading edge.
- Additional Rigid Lifelines Reusable Roof Anchors [RL-01(A)] may be installed along roof peak as needed.
- Each Rigid Lifelines Reusable Roof Anchors [RL-01(A)] must be fastened to the roof structure using 16D 3-inch nails.
- Secure the Rigid Lifelines Reusable Roof Anchors [RL-01(A)] to the roof rafter in the center row of holes.
- Remaining outer holes must be secured to the plywood sheathing.
- Use all holes provided when securing the Rigid Lifelines Reusable Roof Anchors [RL-01(A)] to the structure.
- For installation onto pre-existing structures, inspect rafters from inside of the building to ensure that the roofing material is structurally sound and not showing signs of deterioration.

- When installed as an anchor point on a flat surface or on one side of a peaked roof, the connecting fall arrest subsystem must not extend over the peak of the roof to the other side.
- For work on the opposing roof surface, installation of an additional Rigid Lifelines Reusable Roof Anchors [RL-01(A)] is required on that side.
- Anchor must be positioned to apply load in the long axis of the anchor bracket.
- After removal of the Rigid Lifelines Reusable Roof Anchors [RL-01(A)], roof surface may require repairs. It is the responsibility of the installer to make applicable repairs to the roof materials.

Training

Employers are responsible for providing training to any employee who may be exposed to fall hazards. Training will enable an employee to recognize and reduce fall hazards. Training must be conducted by a Competent or Qualified Person. Trainer and trainees must not be exposed to fall hazards during the training course.

Inspection

If inspection reveals any defect, inadequate maintenance, or unsafe condition, remove from service immediately.

Any equipment that has been subjected to the forces of arresting a fall must be removed from service immediately.

Note: Only manufacturer, or entities authorized in writing by the manufacturer, may make repairs to the product. Otherwise, equipment must not be altered in any way.

Frequency

All equipment must be inspected prior to each use according to the manufacturer's instructions. Annual inspections must also be performed by an OSHA defined Competent Person other than the user. All equipment should be inspected by a Qualified Person on a regular basis.

All equipment must be free of corrosion, chemical attack, alteration, excessive heating, or extreme wear.

All markings must be legible and attached to the equipment.

Cleaning and Maintenance

No cleaning or maintenance is required for this product. If inspection reveals any defect, remove from service and destroy immediately.

Product Labels



Instructions: This anchor when installed in accordance with the manufacturer's instructions included at the time of shipment will provide an anchor point at the peak of the roof which is suitable for use with compliant fall arrest systems. The roof peak anchor should be used in conjunction with roof bracket walk planks when installing conventional roofing systems on truss, rafter and plywood sheathing construction. Begin by placing the first anchor along the peak of the roof at a point 5 ft.

from the beginning of the roof line. Additional anchors should be placed no more than every 10 ft., with the last anchor 5 ft. from the end of the roof line. Remove ridge vents when attaching peak anchors. Each anchor should be fastened to the roof using 16D 3-inch nails. The center row of holes must be secured to the plywood sheathing. Use all holes provided in nailing the anchor to the building structure. Inspect rafter from the inside structure to ensure the wood is sound and free of

**RIGID
LIFELINES**

DO NOT REMOVE THIS LABEL.

any deterioration. When working on a flat surface, the anchor can be installed by extending the two flat plates out, leaving the D-Ring in the middle. This roof anchor must be visibly inspected before each use and also inspected by a competent person at least every six (6) months from the date of purchase. Do not use if roof anchor has any signs of cracks, corrosion, dents, deformations, or bending. Meets ANSI Z359.1 2007, A10-14 OSHA 1910.1526

Reusable Roof Anchor

Model #: RL-G1A

Capacity: 310 lbs.

User: 1 Person Max.

Anchor Point: Must

withstand 5000 lbs. per

worker attached

DO NOT REMOVE THIS LABEL.

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 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.

One-Year Equipment Warranty

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 (844) 467-4443. 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.



Rigid Lifelines
730 Hemlock Road, Suite 104
Morgantown, PA 19543

Toll Free: (844) 467-4443
Local: (610) 286-8030
Fax: (610) 286-6408

RigidLifelines.com
info@rigidlifelines.com