

GUARDIAN

FALL PROTECTION



Product Name: Rapid Deployment Rescue Ladder (RDRL)

Part #: 15022; 15023; 15046; 15047

Instruction Manual

**Do not throw away these instructions!
Read and understand these instructions before using equipment!**

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Introduction

Thank you for purchasing a Guardian Fall Protection RDRL. This manual must be read and understood in its entirety, and used as part of an employee training program as required by OSHA or any applicable state agency.


This and any other included instructions must be made available to the user of the equipment. The user must understand how to safely and effectively use the RDRL, and all fall safety equipment used in combination with the RDRL.

User Information	
Date of First Use:	_____
Serial #:	_____
Trainer:	_____
User:	_____

Applicable Safety Standards

When used according to instruction specifications, this product meets or exceeds all applicable OSHA 1926 Subpart M, OSHA 1910, ANSI Z359.1-2007, ANSI Z359.4-2013 and ANSI A10.32-2012 standards for fall protection. Applicable standards and regulations depend on the type of work being done, and also might include state-specific regulations. Consult regulatory agencies for more information on fall protection systems and associated components.

Worker Classifications

 CAUTION	Understand the following definitions of those who work near or who may be exposed to fall hazards.
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Qualified Person: A person with an accredited degree or certification, and with extensive experience or sufficient professional standing, who is considered proficient in planning and reviewing the conformity of fall protection and rescue systems.

Competent Person: A highly trained and experienced person who is ASSIGNED BY THE EMPLOYER to be responsible for all elements of a fall safety program, including, but not limited to, its regulation, management, and application. A person who is proficient in identifying existing and predictable fall hazards, and who has the authority to stop work in order to eliminate hazards.

Authorized Person: A person who is assigned by their employer to work around or be subject to potential or existing fall hazards.

It is the responsibility of a Qualified or Competent person to supervise the job site and ensure all applicable safety regulations are complied with.

Product Specific Applications



Use of equipment in unintended applications may result in serious injury or death. NEVER make connections to RDRL.



Rescue/Confined Space: RDRLs may be used in Rescue/Confined Space applications. Rescue systems function to safely recover a worker from a confined location or after exposed to a fall. There are various configurations of Rescue systems depending on the type of rescue. Structure must withstand loads applied in the directions permitted by the system of at least 3,000 lbs. No free fall is permitted. Applicable D-rings: Dorsal, Chest, Shoulder.

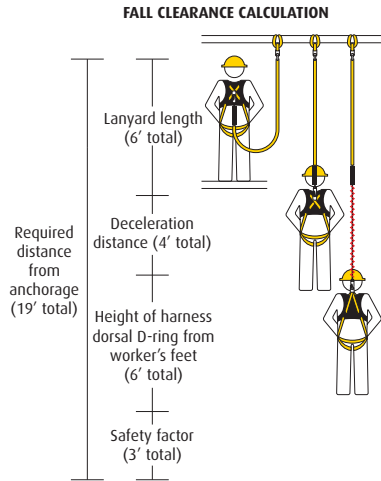
For all applications: combined worker weight capacity range (including all clothing, tools, and equipment) is 130-620 lbs.

Limitations

Fall Clearance: There must be sufficient clearance below the anchorage connector to arrest a fall before the user strikes the ground or an obstruction. When calculating fall clearance, account for a MINIMUM 3' safety factor, deceleration distance, user height, length of lanyard/SRL, and all other applicable factors.

Diagram shown is an example fall clearance calculation ONLY.

Swing Falls: Prior to installation or use, make considerations for eliminating or minimizing all swing fall hazards. Swing falls occur when the anchor is not directly above the location where a fall occurs. Always work as close to in line with the anchor point as possible. Swing falls significantly increase the likelihood of serious injury or death in the event of a fall.



Compatibility: When connecting RDRL Pompier Hooks to anchors, eliminate all possibility of roll-out. Roll-out occurs when interference between a hook and the attachment point causes the hook gate to unintentionally open and release. All connections must be selected and deemed compatible with RDRL by a Competent Person. All connector gates must be self-closing and self-locking, and withstand minimum loads of 3,600 lbs. See the following for examples of compatible/incompatible connections:

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



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



Connector to integral lanyard. **NO.**



Connector directly to webbing. **NO.**

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



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

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



Components and Specifications

Materials: aluminum, galvanized steel, zinc-plated steel, polyester, and nylon.




Part #	Description
15022	Rapid Deployment Rescue Ladder. Length: 12'.
15023	Rapid Deployment Rescue Ladder Kit (RDRL). Includes: (1) 12' RDRL (15022), (2) 3' Premium Cross Arm Straps (10785), (2) Pompier Hooks, & (1) RDRL Bag (00763).
15046	Rapid Deployment Rescue Ladder Kit (RDRL). Includes: (1) 20' RDRL (15047), (2) 3' Premium Cross Arm Straps (10785), (2) Pompier Hooks, & (1) RDRL Bag (00771).
15047	Rapid Deployment Rescue Ladder. Length: 20'.

Installation and Use

Prior to installation, plan your system:

1. Prior to beginning work, a complete structure-specific and project-specific rescue plan must be developed by a Competent Person, and all workers must understand and be trained in said rescue plan.
2. Prior to beginning work, a Competent Person must fully train all users in safe and proper use, consequences of improper use, and application limits of RDRL, and all associated PFAS equipment.
3. Account for entirety of intended work area. Ensure that, should a fall occur, RDRL will be able to reach the fallen worker. Ensure the fully deployed length of PFAS is not greater than fully deployed length of RDRL. Consider both self and assisted rescue applications when planning intended work area.
4. Ensure RDRL is stored in an area where it will be quickly and easily accessible in the event of a fall, such as near to a roof access hatch.
5. Eliminate or minimize any existing or potential risks of swing fall.
6. A complete and independent PFAS is REQUIRED when installing and using RDRL. All PFAS connections must be selected and deemed compatible by a Competent Person. **ALWAYS MAINTAIN 100% TIE-OFF.**

Installation:



WARNING NEVER make connections to Rapid Deployment Rescue Ladder rungs.

1. Place Cross Arm Straps over selected compatible anchor point. Cross Arm Strap labels must face up.
2. For each Cross Arm Strap, pass small D-ring of Cross Arm Strap through large D-ring. Pull down on small D-ring to minimize all slack. Cross Arm Strap may be wrapped around selected anchorage multiple times to shorten its length. Cross Arm Strap must NEVER twist over itself.
3. Fully remove RDRL from storage bag.
4. Away from all fall hazards, attach (2) Pompier Hooks to RDRL eye loops. Pompier Hooks must be connected to ladder end with removable rungs.
5. Attach Pompier Hooks to Cross Arm Strap D-rings.



6. Unravel RDRL over edge of fall hazard.



Maintenance, Cleaning, and Storage

If RDRL fails inspection in any way, immediately remove it from service, and contact Guardian to inquire about its return or repair.

Cleaning after use is important for maintaining the safety and longevity of RDRL. Remove all dirt, corrosives, and contaminants from RDRL before and after each use. If RDRL cannot be cleaned with plain water, use mild soap and water, then rinse and wipe dry. NEVER clean RDRL with corrosive substances.

When not in use, store equipment where it will not be affected by heat, light, excessive moisture, chemicals, or other degrading elements.

Inspection

Prior to EACH use, inspect RDRL for deficiencies, including, but not limited to, corrosion, deformation, pits, burrs, rough surfaces, sharp edges, cracking, rust, paint buildup, excessive heating, alteration, broken stitching, fraying, bird-caging, and missing or illegible labels. IMMEDIATELY remove RDRL from service if defects or damage are found, or if exposed to forces of fall arrest.

Ensure that applicable work area is free of all damage, including, but not limited to, debris, rot, rust, decay, cracking, and hazardous materials. Ensure that selected work area will support the application-specific minimum loads set forth in this instruction manual. Work area MUST be stable.

At least every 6 months, a Competent Person other than the user must inspect RDRL. **Competent Person inspections MUST be recorded in inspection log in instruction manual and on equipment inspection grid label. The Competent Person must sign their initials in the box corresponding to the month and year the inspection took place.**

During inspection, consider all applications and hazards RDRL has been subjected to.

Inspection Log

Date of First Use: _____.

Product lifetime is indefinite, as long as product passes all inspection requirements. User must inspect prior to EACH use. Competent Person other than user must complete formal inspection at least every 6 months. Competent Person to inspect and initial.

This inspection log must be specific to one RDRL. Separate inspection logs must be used for each RDRL. All inspection records must be made visible and available to all users at all times.

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**If equipment fails inspection
IMMEDIATELY REMOVE FROM SERVICE.**

Safety Information



Failure to understand and comply with safety regulations may result in serious injury or death. Regulations included herein are not all-inclusive, are for reference only, and are not intended to replace a Competent Person's judgment or knowledge of federal or state standards.

Do not alter equipment. Do not misuse equipment.

Workplace conditions, including, but not limited to, flame, corrosive chemicals, electrical shock, sharp objects, machinery, abrasive substances, weather conditions, and uneven surfaces, must be assessed by a Competent Person before fall protection equipment is selected.

The analysis of the workplace must anticipate where workers will be performing their duties, the routes they will take to reach their work, and the potential and existing fall hazards they may be exposed to. Fall protection equipment must be chosen by a Competent Person. Selections must account for all potential hazardous workplace conditions. All fall protection equipment should be purchased new and in an unused condition.

Fall protection systems must be selected and installed under the supervision of a Competent Person, and used in a compliant manner. Fall protection systems must be designed in a manner compliant with all federal, state, and safety regulations. Forces applied to anchors must be calculated by a Competent Person.

Unless explicitly stated otherwise, the maximum allowable free fall distance for lanyards must not exceed 6'. No free fall allowed for non-LE SRLs. Class A SRLs must arrest falls within 24"; Class B SRLs must arrest falls within 54".

Harnesses and connectors selected must be compliant with manufacturer's instructions, and must be of compatible size and configuration. Snap hooks, carabiners, and other connectors must be selected and applied in a compatible fashion. All risk of disengagement must be eliminated. All snap hooks and carabiners must be self-locking and self-closing, and must never be connected to each other.

A pre-planned rescue procedure in the case of a fall is required. The rescue plan must be project-specific. The rescue plan must allow for employees to rescue themselves, or provide an alternative means for their prompt rescue. Store rescue equipment in an easily accessible and clearly marked area.

Training of Authorized Persons to correctly erect, disassemble, inspect, maintain, store, and use equipment must be provided by a Competent Person. Training must include the ability to recognize fall hazards, minimize the likelihood of fall hazards, and the correct use of personal fall arrest systems.


NEVER use fall protection equipment of any kind to hang, lift, support, or hoist tools or equipment, unless explicitly certified for such use.

Equipment subjected to forces of fall arrest must immediately be removed from use.

Age, fitness, and health conditions can seriously affect the worker should a fall occur. Consult a doctor if there is any reason to doubt a user's ability to withstand and safely absorb fall arrest forces or perform set-up of equipment. Pregnant women and minors must not use this equipment.

Physical harm may still occur even if fall safety equipment functions correctly. Sustained post-fall suspension may result in serious injury or death. Use trauma relief straps to reduce the effects of suspension trauma.

Labels



GUARDIAN
FALL PROTECTION

1-800-466-6385 6305 S. 231st St.
www.guardianfall.com Kent, WA 98032

Made in
China

Rapid Deployment Rescue Ladder
Part #: 15022; 15023; 15046; 15047

PRIOR TO USE, read and understand all manufacturer's instructions provided with equipment at time of shipment from manufacturer.


Compliant with all OSHA 1926 Subpart M, OSHA 1910, ANSI Z359.1-2007, ANSI Z359.4-2013, & ANSI A10.32-2012 regulations.

Date of Manufacturer: [REDACTED] Certified for MAXIMUM 2 workers (Rescue).


Combined worker weight (including all equipment): 130-620 lbs. Use for Rescue applications ONLY.

A full and independent PFAS is REQUIRED when using the Rapid Deployment Rescue Ladder. All PFAS connections must be selected and deemed compatible by a Competent Person.
ALWAYS MAINTAIN 100% TIE-OFF.

Reference instructions for proper method of installation of Rapid Deployment Rescue Ladder.

 **WARNING**

Avoid contact with sharp and abrasive edges.
Avoid all contact with dangers including, but not limited to, electrical hazards, excessive heat, and corrosive chemicals.



INSPECTION GRID

User must inspect prior to EACH use. Competent Person must complete formal inspection every 6 months. Competent Person to inspect and initial.

Date of First Use: _____

Product lifetime is indefinite as long as equipment passes pre-use and Competent Person inspections.

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If equipment fails inspection
IMMEDIATELY REMOVE FROM SERVICE

DO NOT REMOVE LABELS

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