

# GUARDIAN®



## Product Name: Rope Grab

Part #: 01500; 01503; 01505; 01506; 01507; 01508; 01509; 01511

### 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 Rope Grab. 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 Rope Grab, and all fall safety equipment used in combination with the Rope Grab.

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 1926.502 and 1910.140 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 personal fall arrest systems and associated components.

## Worker Classifications

	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



**WARNING** Use of equipment in unintended applications may result in serious injury or death. Maximum 1 attachment per connection point.



**Personal Fall Arrest:** Rope Grabs may be used to support a MAXIMUM 1 Personal Fall Arrest System (PFAS) for use in Fall Arrest applications. Structure must withstand loads applied in the directions permitted by the system of at least 5,000 lbs. Maximum free fall is 6'. Maximum distance between harness D-ring and fall arrester is 36". Applicable D-ring: Dorsal.



**Restraint:** Rope Grabs may be used in Restraint applications. Restraint systems prevent workers from reaching the leading edge of a fall hazard. Always account for fully deployed length of lanyard/SRL. Structure must withstand loads applied in the directions permitted by the system of at least 1,000 lbs. No free fall is permitted. Restraint systems may only be used on surfaces with slopes up to 4/12 (vertical/horizontal). Applicable D-rings: Dorsal, Chest, Side, Shoulder.

**For all applications: worker weight capacity range (including all clothing, tools, and equipment) is 130-310 lbs.**

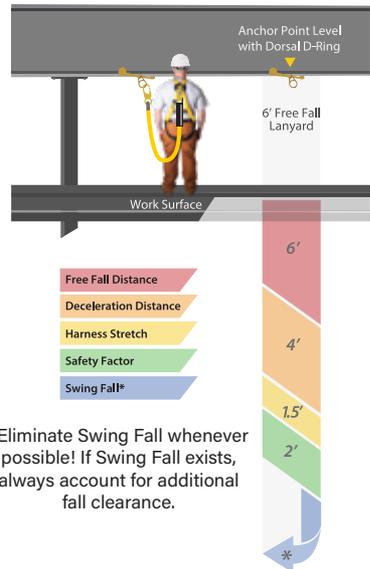
## Limitations

**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 2' safety factor, deceleration distance, user height, length of lanyard/SRL, harness stretch, 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.

Fall clearance calculation shown based on standing worker falling directly in-line with anchor point. Always consider potential swing fall and other hazards when calculating fall clearance.



\*Eliminate Swing Fall whenever possible! If Swing Fall exists, always account for additional fall clearance.

**Compatibility:** When making connections with Rope Grab, 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 Rope Grab 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.**



Connector to integral lanyard. **NO.**

Two connectors to same D-ring. **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: galvanized steel or stainless steel, nylon, and polyester.

Part #	Description
01500	Trailing Rope Grab w/18" Extension Lanyard
01503	Trailing Rope Grab w/3' Shock Absorbing Extension Lanyard
01505	Trailing Rope Grab (No Extension)
01506	Removable Rope Positioning Device (No Extension)
01507	Trailing Rope Grab w/18" Shock Absorbing Extension Lanyard
01508	Rope Grab (No Extension)
01509	Stainless Steel Rope Grab (No Extension)
01511	Stainless Steel Trailing Rope Grab



## Installation and Use

### Prior to installation:

1. Rope Grab for use in combination with compatible vertical lifeline (VLL). Ensure VLL on which Rope Grab is to be installed is compliant with all applicable OSHA and ANSI regulations.

- **Compatible with 5/8" rope diameter only.**


**WARNING** NEVER use with incompatible lifelines.

2. Eliminate all risk of lower end termination. Either ensure VLL will prevent user from striking next lower level and that there is always adequate fall clearance, or that VLL will not reach the leading edge of any fall hazard when used at its full length. NEVER tie knots in VLL, except at extreme bottom of lifeline in order to prevent Rope Grab from detaching.

3. Eliminate or minimize all risk of swing fall.

### Installation:

1. Attach Rope Grab to compatible VLL, ensuring Positioning Arrow is pointed up towards VLL anchorage.
2. Ensure Rope Grab is fully closed and locked to VLL.

3. Depending on Rope Grab part #, attach complete and compatible PFAS to Rope Grab connection point, or attach extension lanyard/shock absorber to applicable harness D-ring. Always ensure maximum distance of lanyard between Rope Grab and applicable harness D-ring does not exceed 36”

4. Ensure Rope Grab always travels along VLL as worker moves across work surface.

• For part # 01506, when used as positioning device, lift up D-ring to reposition along VLL.



## Maintenance, Cleaning, and Storage

If Rope Grab 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 Rope Grab. Remove all dirt, corrosives, and contaminants from Rope Grab before and after each use. If Rope Grab cannot be cleaned with plain water, use mild soap and water, then rinse and wipe dry. NEVER clean Rope Grab 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 Rope Grab for deficiencies, including, but not limited to, corrosion, deformation, pits, burrs, rough surfaces, sharp edges, cracking, rust, paint buildup, excessive heating, alteration, and missing or illegible labels. IMMEDIATELY remove Rope Grab 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 12 months, a Competent Person other than the user must inspect Rope Grab. **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 Rope Grab have been subjected to.

## Inspection Log

User must inspect prior to EACH use. Competent Person other than user must complete formal inspection at least every 12 months. Competent Person to inspect and initial.

Date of First Use: \_\_\_\_\_. Product lifetime is indefinite, as long as product passes all inspection requirements.

This inspection log must be specific to one Rope Grab. Separate inspection logs must be used for each

Rope Grab. All inspection records must be made visible and available to all users at all times.

	J	F	M	A	M	J	J	A	S	O	N	D
YR												
YR												
YR												
YR												
YR												

**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/Markings

Rope Grab Markings:



For Rope Size  
5/8 Dia. (Ø16mm)  
BREAKING STRENGTH  
Résistance à la rupture  
6000 LBS (27kN)  
MAX : 30"/750mm(CSA), 36"(ANSI)

UP  
HAUT  
AUF  
ALTO

Automatic functioning  
For dorsal attachment only

Y N-630 ADP ANSI Z359.1(07)  
19 WPD  
ANSI Z359.12  
Z259.2.5  
ASG

WARNING/AVERTISSEMENT!  
MANUFACTURER'S INSTRUCTIONS MUST BE  
READ AND UNDERSTOOD PRIOR TO USE.  
LES INSTRUCTIONS DU FABRICANT DOIVENT  
ÊTRE LUES ET COMPRIS AVANT L'UTILISATION.