

GUARDIAN

FALL PROTECTION



Product Name: GR6 Tie-Back SRL

Part #: 32015; 32016

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 GR6 Tie-Back SRL. 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 GR6 Tie-Back SRL, and all fall safety equipment used in combination with the GR6 Tie-Back SRL.

| 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 and OSHA 1910 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



Understand the following definitions of those who work near or who may be exposed to fall hazards.

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: GR6 Tie-Back SRL may be used to support a MAXIMUM 1 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 2' free fall (note: reduced weight capacity and increased deceleration distance if free fall exists). Applicable D-ring: Dorsal.



Restraint: GR6 Tie-Back SRL 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):

**Anchor point at or above dorsal D-ring: 130-420 lbs.
Anchor point below dorsal D-ring (max. 2'): 130-310 lbs.**

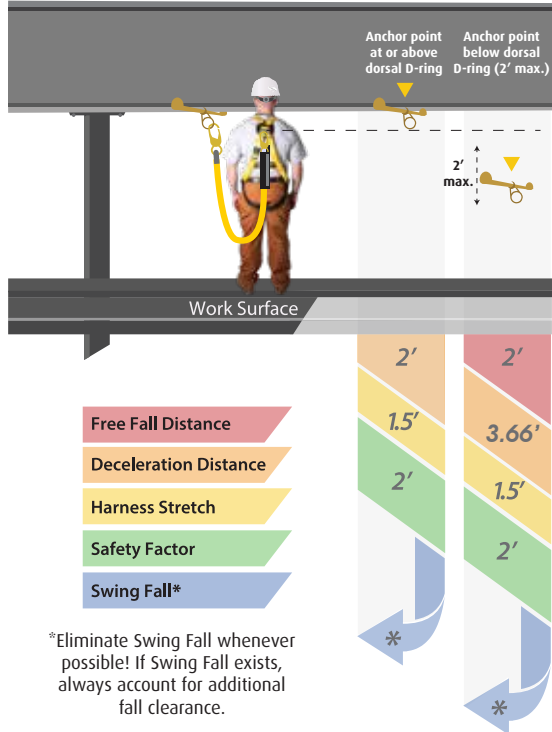
Limitations

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.



Compatibility: When making connections with GR6 Tie-Back SRL, 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 GR6 Tie-Back SRL 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

Average arrest force: 1,350 lbs.
Maximum arrest force: 1,800 lbs.

Anchor point at or above D-ring:
- Maximum deceleration distance: 24".
- Minimum fall clearance: 5.5'

Anchor point below D-ring (max 2'):
- Maximum deceleration distance: 44".
- Minimum fall clearance: 9'2".

| Part # | Description |
|--------|--|
| 32015 | GR6 Tie-Back 6' Single Leg SRL w/Steel Snap Hook |
| 32016 | GR6 Tie-Back 6' Dual Leg SRL w/Steel Snap Hook |



Installation and Use

- Guardian Fall Protection GR6 Tie-Back SRLs **MUST NEVER** be used in Leading Edge (LE) applications.
 - **ALWAYS** avoid lifeline contact with sharp or abrasive edges and surfaces, both during use and in event of a fall.
 - For Dual Leg Kit (Part #: 32016), assemble and use SRL according to instruction sheet provided with Dual SRL Bracket (part # 11058).
1. All components of the personal fall arrest system must be selected and deemed compatible with GR6 Tie-Back SRL by a Competent Person.
 2. Ensure area where work is to be performed is free of all hazards, including, but not limited to, debris, rot, rust, sharp or abrasive edges and surfaces, and hazardous materials.
 3. If using dual leg GR6 Tie-Back SRL, ensure 100% tie-off will be maintained at all times; ALWAYS attach disengaged hook to a compatible anchor point prior to unhooking engaged hook.
 4. GR6 Tie-Back SRLs must be used either in tie-back or standard applications. Adhere to the applicable method of installation and use



In tie-back applications, snap hook must **ONLY** be attached to tie-back webbing below stopper ring. **NEVER** attach snap hook above stopper ring.



Always use GR6 Tie-Back SRL in combination with anchor point that eliminates as much slack in lifeline as possible. Competent Person must ensure that anchor point location will not introduce potential free fall greater than what is permitted by the system.

Tie-Back:

A) Wrap GR6 Tie-Back SRL webbing around selected structural anchor. Ensure potential free fall does not exceed what is permitted by the system, as determined by Competent Person.

YES

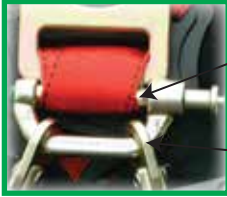


B) Attach snap hook to webbing **BELOW** stopper ring. **NEVER** attach tie-back hook to or above stopper ring.

NO



C) Attach GR6 Tie-Back SRL housing to harness dorsal D-ring with compatible carabiner. For dual leg unit, attach by passing bracket locking bar through web loop immediately beneath harness dorsal D-ring as shown. Ensure bracket is fully closed and locked prior to use; green indicator must be fully visible.



Locking bar inserted through harness webbing under dorsal D-ring

SRL connected to bracket loop



Green indicator fully visible

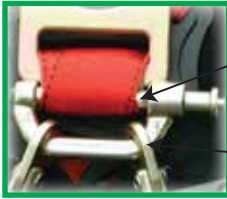


Structural Anchor

Connected at Harness

Standard:

A) Attach GR6 Tie-Back SRL housing either to harness dorsal D-ring or to compatible overhead anchorage connector with compatible carabiner. To locate housing at harness, connect single leg unit to dorsal D-ring with compatible carabiner, and for dual leg unit attach by passing bracket locking bar through web loop immediately beneath harness dorsal D-ring as shown. Ensure bracket is fully closed and locked prior to use; green indicator must be fully visible.



Locking bar inserted through harness webbing under dorsal D-ring

SRL connected to bracket loop



Green indicator fully visible

B) If housing is located at harness, attach snap hook to compatible overhead anchorage connector. If housing is located at anchorage connector, attach snap hook to harness dorsal D-ring. Always ensure potential free fall does not exceed what is permitted by the system, as determined by Competent Person.



Maintenance, Cleaning, and Storage

If GR6 Tie-Back SRL 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 GR6 Tie-Back SRL. Remove all dirt, corrosives, and contaminants from GR6 Tie-Back SRL before and after each use. If GR6 Tie-Back SRL cannot be cleaned with plain water, use mild soap and water, then rinse and wipe dry. NEVER clean GR6 Tie-Back SRL 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 GR6 Tie-Back SRL 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 GR6 Tie-Back SRL 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 GR6 Tie-Back SRL. **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 GR6 Tie-Back SRL has been subjected to.

Inspection Log

Date of First Use: _____.

Product lifetime is indefinite, as long as it passes all pre-use and Competent Person inspections. 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.

This inspection log must be specific to one GR6 Tie-Back SRL. Separate inspection logs must be used for each GR6 Tie-Back SRL. 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

GR6 Tie-Back

PART #: DOM: LOT #:

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|--------------|--|--|
| 32015 | | |
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Assembled in USA

SPECIFICATIONS:
Avg. arresting force: 1,350 lbs.
Webbing: 6' HMPE, 25/32" width.

| | |
|---|--|
| Anchor point at/above D-ring: Max. deceleration distance: 24" Min. fall clearance: 5'6". Max. capacity: 130 - 420 lbs. | Anchor point below D-ring (2' max.): Max. deceleration distance: 44" Min. fall clearance: 9'2". Max. capacity: 130 - 310 lbs. |
|---|--|

STANDARDS: OSHA 1910 & OSHA 1926 Subpart M

CAUTION: DO NOT TIE-BACK ONTO THE RETRACTABLE SECTION!
When used in a non-tie-back format, the lifeline must always be in tension.



WARNING: Manufacturer's instructions supplied with product must be read prior to use. Failure to follow instructions may result in serious injury or death. Never modify product. For tie-back to specified tie-back webbing section only. **NOT REPAIRABLE. DO NOT REMOVE THIS LABEL.**

USE: Maximum 2' free fall. Anchor point must never be positioned more than 2' below harness D-ring. Free fall decreases capacity and increases deceleration distance. Never for leading edge (LE) use. Avoid lifeline contact with sharp edges both during work and in event of a fall. For use by trained users only. Maximum one user. Ensure connection to anchorage is secured properly before use. May be used as a component of a PFAS in HLL applications.

INSPECTION: Inspect prior to each use per instructions, including for signs of deployment, locking function (pull sharply to test), retraction function, legibility of labels, evidence of defects, damage, or missing parts, and condition of connectors, housing, and lifeline (inspect full length). Inspection by Competent Person required at least every 12 months. Immediately remove from service in event of failed inspection or if unit is subjected to a fall.

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