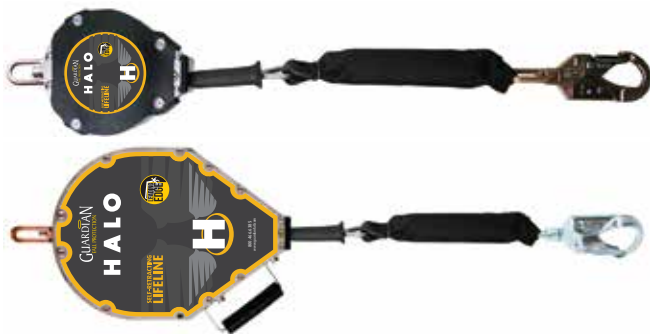


GUARDIAN

FALL PROTECTION



Product Name: Halo SRL-LE

Part #: 10920; 10922; 10924; 10925; 10927; 10928; 10929

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 Halo SRL-LE. 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 Halo SRL-LE, and all fall safety equipment used in combination with the Halo SRL-LE.

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 Z359.14-2014, 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



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: Halo SRL-LE 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'. SRL may be positioned a maximum 6' above anchor point. Applicable D-ring: Dorsal.



Restraint: Halo SRL-LE 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):

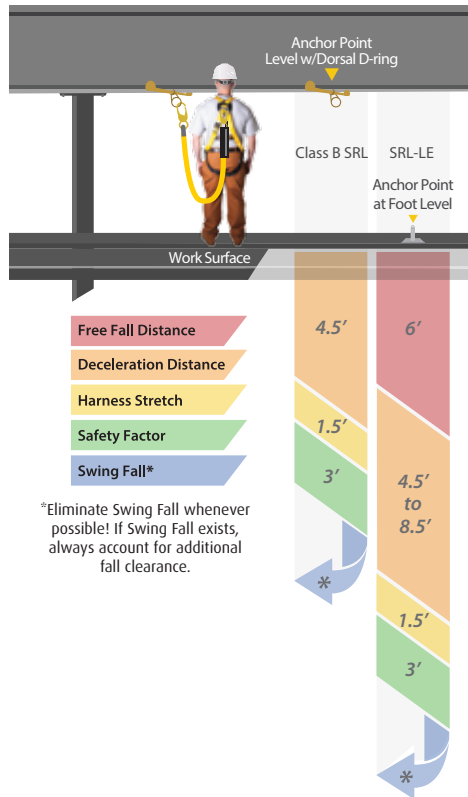
LE Use: 130-310 lbs.
Non-LE Use: 130-420 lbs.

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, 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.



Compatibility: When making connections with Halo SRL-LE, 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 Halo SRL-LE 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:

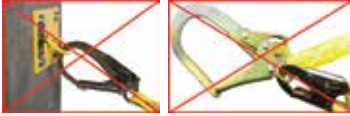
Connector closed and locked to D-ring. **OK.**



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



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



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



Connector to integral lanyard. **NO.**



Connector directly to webbing. **NO.**



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



Components and Specifications

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

Average arrest force: 900 lbs.

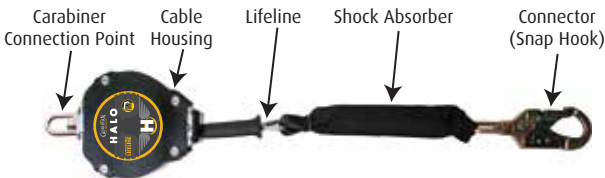
LE Use:

Min. setback distance from edge: 0'
Max. arresting distance: 54" - 102"
Min. fall clearance: 17' - 21'

Non-LE Use:

Max. arresting distance: 54"
Min. fall clearance: 9'
Class B SRL

Part #	Length	Description
10920	20'	3/16" Galvanized Cable SRL-LE w/Shock Pack, Swivel Top, Snap Hook, Boot Cover, & Carabiner
10922	25'	3/16" Galvanized Cable SRL-LE w/Shock Pack, Swivel Top, Snap Hook, Boot Cover, & Carabiner
10924	50'	3/16" Nylon-Coated Galvanized Cable SRL-LE w/Shock Pack, Swivel Top, Snap Hook, Boot Cover, & Carabiner
10925	30'	3/16" Galvanized Cable SRL-LE w/Shock Pack, Swivel Top, Snap Hook, Boot Cover, & Carabiner
10927	50'	3/16" Galvanized Cable SRL-LE w/Shock Pack, Swivel Top, Snap Hook, Boot Cover, & Carabiner
10928	65'	3/16" Galvanized Cable SRL-LE w/Shock Pack, Swivel Top, Snap Hook, Boot Cover, & Carabiner
10929	65'	3/16" Nylon-Coated Galvanized Cable SRL-LE w/Shock Pack, Swivel Top, Snap Hook, Boot Cover, & Carabiner



Installation and Use

1. All PFAS components must be selected and deemed compatible with Halo SRL-LE by Competent Person.
2. Ensure structure to which Halo SRL-LE is to be attached, and on which 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. Eliminate or minimize all risk of swing fall hazard.
4. Halo SRL-LE may be used in either stationary or mobile applications. For stationary applications, attach Halo SRL-LE carabiner to selected anchorage connector, and attach snap hook to applicable harness D-ring. **For LE applications, snap hook end must be connected to harness dorsal D-ring.** For mobile applications, attach Halo SRL-LE carabiner to applicable harness D-ring, and attach snap hook to selected anchorage connector.
5. Ensure 100% tie-off will be maintained at all times, which may require the use of a back-up or supplementary fall protection system.

SRL-LE Additional Use Instructions:

⚠ WARNING

ALWAYS adhere to the following warnings and specifications when using SRL-LEs.

Halo SRL-LEs are tested and certified for horizontal use over a steel edge without burrs. Halo SRL-LEs may be used over similar surfaces, such as metal sheeting or other steel formations.

The allowable angle of redirection of the lifeline portion of Halo SRL-LEs at the leading edge of a fall hazard MUST be at least 90° (see Image 1).

Anchor point MUST be situated no lower than the leading edge of applicable fall hazard(s).

Prior to use, a Competent Person MUST calculate adequate fall clearance (see pg. 2).

ALWAYS attach to anchorage connector that will allow for required setback distance (see Image 2).

Setback distance: As determined by product testing, Guardian Fall Protection Halo SRL-LEs are not required to be setback any specific distance from the leading edge of applicable fall hazard(s).

Halo SRL-LE may be used in combination with horizontal lifelines. All installation, set-up, and use of horizontal lifelines must be done under the supervision of a Qualified Person.

NEVER work on the far side of an opening that is opposite the Halo SRL-LE anchorage point.

In the event of a fall over the edge, special rescue measures may be necessary. Always account for use of Halo SRL-LE in job site rescue plan developed by job site Competent Person.

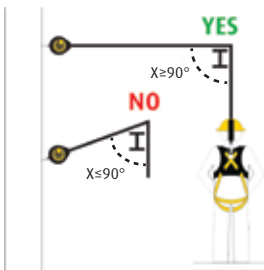


Image 1

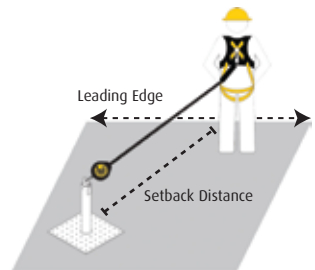


Image 2

Maintenance, Cleaning, and Storage

If Halo SRL-LE 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 Halo SRL-LE. Remove all dirt, corrosives, and contaminants from Halo SRL-LE before and after each use. If Halo SRL-LE cannot be cleaned with plain water, use mild soap and water, then rinse and wipe dry. NEVER clean Halo SRL-LE 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 Halo SRL-LE 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. Pay careful attention to cable swage (located beneath rubber stopper) and ensure no damage is present at location where swage contacts lifeline. IMMEDIATELY remove Halo SRL-LE 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 Halo SRL-LE. **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 Halo SRL-LE 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 Halo SRL-LE. Separate inspection logs must be used for each Halo SRL-LE. 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



WARNING: Prior to use, fully read and understand all manufacturer's instructions provided with equipment at time of shipment.

DO NOT ATTEMPT TO SELF SERVICE OR REPAIR. DO NOT REMOVE THIS LABEL.

USE: This device is only for use by one person as a fall arrest. Only make connections directly to attachment point on safety harness. Guard against swing-fall by keeping the lifeline vertically overhead. Ensure that connection to anchorage is secured properly before use. Avoid lifeline contact with sharp or abrasive edges and surfaces. May be used as a component of a PFAS in HLL applications. Design, installation, and utilization of HLLs must be supervised by a Qualified Person. Suitable for horizontal use. Competent Person must calculate fall clearance prior to use; fall clearance calculations must include considerations for swing fall. Clearance numbers specified based on lifeline installed vertically overhead and in-line with worker.

INSPECTION: Prior to each use, inspect device per instructions, including locking function (sharp pull to test), retraction function, legibility of labels, evidence of defects, damage, or missing parts, and condition of connectors, housing, fasteners, and lifeline (inspect full length). Inspection by Competent Person required at least every 6 months. Immediately remove from service if evidence of shock pack deployment is found.

SPECIFICATIONS:
Average arresting force: 1350 lbs.
(L.E. Use)
Capacity range: 130 - 310 lbs.
Min. setback distance from edge 0"
Max. arresting distance: 54" - 102"
Free fall: 6' max.
Fall clearance: 17" - 21"
(Non-L.E. Use)
Capacity range: 130 - 420 lbs.
Max. arresting distance: 54"
Free fall: not permitted
Fall clearance: 9'
Class B SRL

STANDARDS:
ANSI Z359.14-14 & ANSI A10.32-12
OSHA 1926 Subpart M & OSHA 1910

INSPECTION: Prior to use, fully read and understand all manufacturer's instructions provided with equipment at time of shipment. **DO NOT ATTEMPT TO SELF SERVICE OR REPAIR. DO NOT REMOVE THIS LABEL.**

USE: This device is only for use by one person as a fall arrest. Only make connections directly to attachment point on safety harness. Guard against swing-fall by keeping lifeline vertically overhead. Ensure that connection to anchorage is secured properly before use. Avoid lifeline contact with sharp or abrasive edges and surfaces. May be used as a component of a PFAS in HLL applications. Design, installation, and utilization of HLLs must be supervised by a Qualified Person. Suitable for horizontal use. Competent Person must calculate fall clearance prior to use. Fall clearance calculations must include considerations for swing fall. Clearance numbers specified based on lifeline installed vertically overhead and in-line with worker.

STANDARDS:
ANSI Z359.14-14 & ANSI A10.32-12
OSHA 1926 Subpart M & OSHA 1910

SPEECH ALPHABET:
Average arresting force: 900 lbs.
(L.E. Use)
Capacity range: 130 - 310 lbs.
Max. setback distance from edge: 0"
Min. arresting distance: 54" - 102"
Free fall: 6' max.
Fall clearance: 17" - 21"
(Non-L.E. Use)
Capacity range: 130 - 420 lbs.
Max. arresting distance: 54"
Free fall: not permitted
Fall clearance: 9'
Class B SRL

90470 (Rev. B)

Date of First Use

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

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90470 (Rev. B)

Date of First Use

90470 (Rev. B)