

GUARDIAN

FALL PROTECTION



Product Name: Edge Series SRL

Part #: 10910; 10912; 10915; 10930; 10932; 10935; 10940; 10941; 10942; 10944

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 Edge Series 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 Edge Series SRL, and all fall safety equipment used in combination with the Edge Series 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, 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 personal fall arrest systems and associated components. * Part #s 10940, 10941, and 10942 are compliant with ANSI Z359.1-07, not ANSI Z359.14-14, due to the absence of an integrated impact indicator.

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: Edge Series SRLs may be used in Personal Fall Arrest applications as a component of a MAXIMUM 1 Personal Fall Arrest System (PFAS). Structure must withstand loads applied in the directions permitted by the system of at least 5,000 lbs. Applicable D-ring: Dorsal. **Edge Series SRLs may be used in Leading Edge (LE) applications only if used in combination with Guardian Fall Protection shock absorber extension part # 01205.**

- Standard applications: No free fall is permitted. SRL must always be positioned at or above harness dorsal D-ring AND at or below anchor point.

- LE applications: Maximum 6' free fall. SRL may be positioned a maximum 6' below harness dorsal D-ring or a maximum 6' above anchor point.



Restraint: Edge Series SRLs 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):

Non-LE Use: 130-420 lbs.

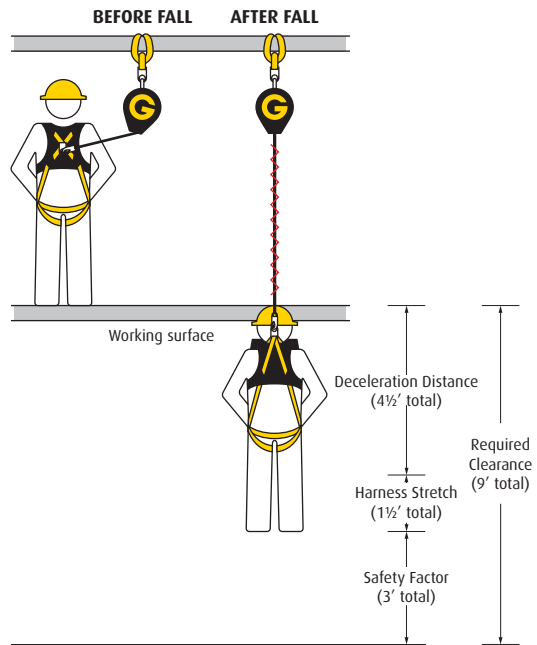
LE Use: 130-310 lbs.

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 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 making connections with Edge Series 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 Edge Series 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

Made from aluminum, galvanized steel, stainless steel, and zinc-plated steel components.

Non-LE Use:

Max. arresting distance: 54"

Min. fall clearance: 9'

Class B SRL

LE Use (must be used with #01205):

Min. setback distance from edge: 6'

Max. arresting distance: 54" - 102"

Min. fall clearance: 17' - 21'



Part #	Length	Description
10910	20'	3/16" Galvanized Cable w/Carabiner, Swivel Top, & Snap Hook
10912	25'	3/16" Galvanized Cable w/Carabiner, Swivel Top, & Snap Hook
10915	30'	3/16" Galvanized Cable w/Carabiner, Swivel Top, & Snap Hook
10930	20'	3/16" Stainless Steel Cable w/Carabiner, Swivel Top, & Snap Hook
10932	25'	3/16" Stainless Steel Cable w/Carabiner, Swivel Top, & Snap Hook
10935	30'	3/16" Stainless Steel Cable w/Carabiner, Swivel Top, & Snap Hook
10940	20'	3/16" Galvanized Cable w/Carabiner, Swivel Top, & Non-Indicating Snap Hook
10941	25'	3/16" Galvanized Cable w/Carabiner, Swivel Top, & Non-Indicating Snap Hook
10942	30'	3/16" Galvanized Cable w/Carabiner, Swivel Top, & Non-Indicating Snap Hook
10944	30'	3/16" Galvanized Cable w/Carabiner, Swivel Top, Non-Indicating Snap Hook, & Shock Pack



Example impact indicator:
• Green: Undeployed
• Red: Deployed


Installation and Use

Edge Series SRLs may be used in LE applications only if used in combination with Guardian Fall Protection shock absorber extension part # 01205.

For use of Edge Series SRL in LE applications, refer to additional LE SRL use instructions (pgs. 4-5).

ALWAYS avoid lifeline contact with sharp or abrasive edges and surfaces.

1. All components of the personal fall arrest system must be selected and deemed compatible with applicable SRL by a Competent Person.
2. Ensure structure to which SRL 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. Edge Series SRL may be used in either mobile or stationary applications.
4. For stationary applications, attach Edge Series SRL carabiner to selected anchorage connector, and attach snap hook to applicable harness D-ring. **This is the only permitted configuration for LE applications. Shock absorber extension part # 01205 must connect directly to harness D-ring.**
5. For mobile applications, attach SRL carabiner to harness Dorsal D-ring, and attach snap hook to selected anchorage connector.
6. Ensure 100% tie-off will be maintained at all times, which may require the use of a back-up or supplementary fall protection system.

 WARNING	ALWAYS adhere to the following warnings and specifications when using LE SRLs.
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LE SRL Additional Use Instructions:

When used in combination with a Guardian shock absorber extension part # 01205, Edge Series SRLs are tested and certified for horizontal use over a steel edge without burrs. Edge Series SRLs may be used over similar surfaces, such as metal sheeting, steel formations, concrete, or wood.

The allowable angle of redirection of the lifeline portion of Edge Series SRLs 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. 3).

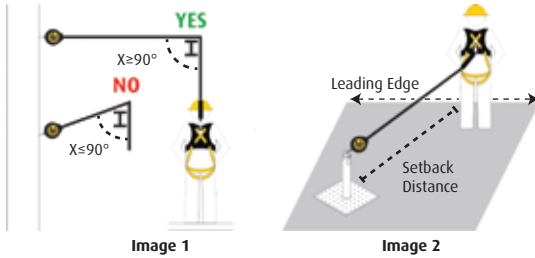
ALWAYS attach to anchorage connector that will allow for required setback distance (see Image 2).

Setback distance: As determined by product testing, Guardian Fall Protection Edge Series SRLs MUST be installed a MINIMUM 6' (1.8m) from the leading edge of applicable fall hazard(s).

Edge Series SRLs 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 Edge Series SRL anchorage point.

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



Maintenance, Cleaning, and Storage

Repairs to Edge Series SRL can only be made by a Guardian Fall Protection representative or an entity authorized by Guardian. Contact Guardian for all maintenance and repair needs at: 1-800-466-6385. If Edge Series 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 Edge Series SRL. Remove all dirt, corrosives, and contaminants from Edge Series SRL before and after each use. If Edge Series SRL cannot be cleaned with plain water, use mild soap and water, then rinse and wipe dry. NEVER clean Edge Series 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 Edge Series SRL 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. Inspect full length of lifeline. IMMEDIATELY remove Edge Series SRL from service if defects or damage are found.

Prior to EACH use, check lifeline retraction by pulling out a minimum 4' and allowing it to retract under light tension; lifeline must retract completely. Pull lifeline sharply to test braking function; brakes must engage. Depending on model or configuration, check shock pack for signs of deployment, and/or fall arrest indicator for signs of activation. Indicator will display red if unsafe for use. IMMEDIATELY remove from service if Edge Series SRL does not function properly, 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.

Every 6 months, a Competent Person other than the user must inspect Edge Series 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 SRLs have been subjected to.

Inspection Log

Date of First Use: _____.

Product lifetime for all parts is indefinite, except part # 10944. Product lifetime for part # 10944 is 5 years from date of first use, or, if date of first use is not recorded, from date of manufacture. All product must pass 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 6 months. Competent Person to inspect and initial.

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

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

**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'.

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

Serial #		Mfg. Date		
20' 1" WEB	20' 3/16" CABLE	25' 3/16" CABLE	30' 3/16" CABLE	CUSTOM
10909	10910	10912	10915	

WARNING: Prior to use, fully read and understand all manufacturer's instructions provided with equipment at time of shipment. Alterations or misuse of this product or failure to follow instructions may result in serious injury or death. **DO NOT ATTEMPT TO SELF SERVICE OR REPAIR! DO NOT REMOVE THIS LABEL.**

USE: Always use in accordance with manufacturer's instruction manual and labels included with this device at the time of shipment. This device is only for use by one person as a fall arrester. Always connect the snap hook directly to the attachment point on the safety harness. Guard against swing-falls by keeping the lifeline vertically overhead. No free fall is allowed. SRL must always be positioned at or above harness D-ring. Do not allow the lifeline to become slack, and maintain tension while letting it retract after disconnecting from worker. Do not allow lifeline to come in contact with anything that will damage it including but not limited to sharp edges, rough or high temperature surfaces, welding, heat sources, electrical hazards, or moving machinery. Ensure that connection to anchorage is secured properly before use. 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. Unsuitable for horizontal use.

INSPECTION: Inspect unit in accordance to the manufacturer's instruction manual and regulatory guidelines. Before use inspect for any signs of damage, wear or malfunctioning components. Check lifeline retraction by pulling out a minimum 4 ft. of lifeline and allowing it to retract under light tension, lifeline should retract completely. Pull sharply to test locking function, brakes must engage. Before use, inspect the lifeline condition, function and condition of fasteners, and legibility of labels. Also, check for evidence of defects, damage or missing parts. Depending on model, user must inspect the shock pack for signs of deployment or impact indicator for signs of activation. Device must be taken out of service for inspection after arresting a fall or if either the shock pack or impact indicator show signs of activation. Do not use if inspection reveals an unsafe condition. Unit must be inspected by a trained and Competent Person at least every 6 months.

SPECIFICATIONS:
Maximum arresting distance: 54 in.
Average arresting force: 900 lbs.
Capacity Range: 130 - 310 lbs., or up to 420 lbs.*
*see instructions
Class B SRL

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

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Date of first use



ANSI Z359.14-2012, A10.32-2012
OSHA 1926.502, 1910.66