WARNING!

DO NOT THROW AWAY THESE INSTRUCTIONS!
READ AND UNDERSTAND BEFORE USING EQUIPMENT!

This manual should be read and understood in its entirety, and used as part of a training program as required by OSHA or any applicable state regulatory agency.

This and any other included instructions must be provided to the users of the equipment. The user must understand the proper equipment use and limitations. User must keep a copy of these instructions for reference and training.

This product meets all applicable OSHA and ANSI standards for fall protection.

GENERAL SYSTEM SELECTION CRITERIA: Selection of fall protection shall be made by a Competent Person. All fall protection equipment shall be purchased new and unused.

The equipment is designed for use as a part of a personal fall protection system. Components shall not be used for any other operation other than that which it has been designed and approved.

Fall Arrest Systems shall be designed to comply with OSHA or applicable state regulatory limitations. Systems must be used in a compliant manner.

Fall Restraint systems shall be designed by a Qualified Person, and must be installed and used under the supervision of a competent person.

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

TRAINING REQUIREMENTS: The employer shall provide a training program for each employee who might be exposed to fall hazards. The program shall enable each employee to recognize the hazards of falling and shall train each employee in the procedures to be followed in order to minimize these hazards. Relevant Federal, State, and local regulatory requirements, procedures, and standards shall also be a part of training.

The employer shall ensure that each employee has been trained, as necessary, by a Competent or Qualified Person in the nature of fall hazards in the work area, the correct erecting, maintaining, disassembling, and inspection of the fall protection systems being used, and the use of personal fall arrest systems.

RESCUE PLAN: The user is required to have a rescue plan and the means at hand to implement it when using the equipment. The plan shall be project specific. Employees shall be trained in self-rescue or alternate means shall be provided for prompt rescue in the event of a fall.

IF EQUIPMENT IS SUBJECTED TO A FALL: Remove the equipment from service immediately if it has been subjected to the forces of a fall arrest. Contact your distributor or Guardian about policies regarding replacement of Guardian components involved in a fall.

INSPECTION:

- Only the manufacturer of this equipment or persons or entities authorized in writing by the manufacturer shall make repairs to fall protection equipment.
- The date of first inspection should be recorded by the employer on the equipment, and any serial numbers shall be recorded on the Inspection Log.
- Formal inspections shall be made by either a Competent or Qualified Person on at least a semi-annual basis.

PRIOR TO EACH USE:

- Fall protection equipment shall be inspected by the user for defects, damage, or deterioration.
- Any suspected defective equipment shall be removed from service.
- If the manufacturer’s label is not legible or is missing, the equipment shall be removed from service. Fall protection equipment shall be removed from service upon evidence of defects, damage, or deterioration, or upon expiration of the manufacturer’s specified service limits, whichever comes first.
MAINTENANCE, CLEANING, AND STORAGE: Repairs to equipment can be made only by a Guardian representative or person or entity authorized by Guardian. Contact Guardian for maintenance and repair. Cleaning after use is important for maintaining the safety and life of the equipment. Cleanse the equipment of all dirt, corrosives, and contaminants. If the equipment cannot simply be wiped clean use a mild soap and water. Rinse, wipe, and hang to dry. Store equipment where it cannot be affected by heat, light, excessive moisture, oil, chemicals, or other degrading elements. This device, unless otherwise indicated, must be returned for factory servicing every two years from the date of first use. This device must also be returned if the product fails any daily inspection, load indicator has been activated, or a competent person has deemed the equipment unsafe.

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PRODUCT APPLICATION INFORMATION:
The SRL is used in a stationary or mobile manner. As a stationary device, the SRL would be mounted to an approved fixed anchorage connector directly overhead. The SRL would extend as the user moves away from the anchorage point and retracts as the user moves back towards the anchorage point. SRL also includes a double locking snap hook. All 11ft. retractables include a shock absorbing pack as a part of the 1-inch wide nylon web lifeline. Additional option may include a swivel snap hook with an impact load indicator.

GUARDIAN PREMIUM EDGE SERIES 11FT. WEBBED SELF RETRACTING LIFELINE: Includes a swivel eye anchorage, self-locking swivel snap hook with impact indicator, and 1-inch wide nylon web in the length of 20ft. SRL also comes with a carabiner and tag line to be used with the device to avoid improper use.

GUARDIAN PREMIUM EDGE SERIES 20FT. WEBBED SELF RETRACTING LIFELINE: Includes a swivel eye anchorage, self-locking swivel snap hook with impact indicator, and 1-inch wide nylon web in the length of 20ft. SRL also comes with a carabiner and tag line to be used with the device to avoid improper use.

GUARDIAN PREMIUM EDGE SERIES 20FT., 25FT., and 30FT., GALVANIZED SELF RETRACTING LIFELINE: Includes a swivel eye anchorage, self-locking swivel snap hook with impact indicator, and 3/16" galvanized wire cable. SRL also comes with a carabiner and tag line to be used with the device to avoid improper use.

PRODUCT APPLICATION INFORMATION:
The SRL is used in a stationary or mobile manner. As a stationary device, the SRL would be mounted to an approved fixed anchorage connector directly overhead. The SRL would extend as the user moves away from the anchorage point and retracts as the user moves back towards the anchorage point. As the SRL is used in a mobile manner, the device would be traveling on a steel cable, rope, or fixed rail traveling from one anchorage connector to the other.

LIMITATIONS:
Consider the following application limitations before using this equipment.

- **Capacity:** The SRL is to be used by an individual with a combined weight (person, clothing, tools, etc.) of 90 pounds minimum and no more than 310lbs maximum. No more than one person may be connected at one time.
- **Corrosion:** Leaving the SRL in an environment for long periods of time that could cause corrosion of metal parts is not warranted in any way and must not be done. Use caution when working around corrosive compounds such as ammonia, sewage, fertilizers, seawater or other corrosive environments, may require more frequent inspections or servicing. These increased inspections and servicing are required to ensure corrosive damage is not impacting the performance of the SRL.
- **Chemical Hazards and Heat:** Extreme caution must be taken when working in or around environments containing acid or caustic chemicals, particularly at elevated temperatures. Damage will result to GFP SRL’s in this environment. Chemical damage is difficult to detect and it is recommended that the lifeline be replaced periodically to ensure safety of the workers. Additionally, this SRL is not to be used in high temperature environments. The SRL must be protected when using near welding, metal cutting, or similar activities. Hot sparks and slag can damage this equipment. Users must inspect SRL prior to each use.
- **Electrical Hazards:** For web and wire rope models, there is a possibility of an electric current flowing through the lifeline. Moisture absorbed by the lifeline may provide a path for electrical current to flow, resulting in electrical shock. Use caution where the lifeline may contact high voltage power lines.
- **Locking Speed:** Extreme caution should be taken when using this device whereas an obstructed fall could occur as well as when someone must perform work in a confined or cramped space. Working in these types of environments could limit the speed at which the locking mechanisms engage. Extreme caution should be taken when working on low pitched roofs, where a worker may slide instead of fall. A clear path is required to ensure positive locking of the SRL.
• **Capacity:** The SRL is for use by one person with a combined weight (person, clothing, tools, etc.) of 95lbs. minimum and 310lbs. maximum.

**Consider When Calculating Distance:**

- Deceleration Distance
- Movement of harness attachment element (D-ring)
- Free Fall Distance
- Worker Height (how tall the worker is could affect the free fall distance)
- Elevation of Anchorage Connector
- Connecting Subsystems Length

**APPLICABLE STANDARDS:**
Refer to potential applicable standards. Standards might include OSHA regulations depending on the type of work, and also might include state regulations if applicable. Consult regulatory agencies for more information on personal fall arrest systems and associated components. This product is designed to comply with OSHA and ANSI Z359.1 standards when used properly, and in accordance with manufacturer’s instructions.

**LIMITATIONS CONTINUED:**

- **Swing Falls:** Swing falls occur when the anchorage point is not directly above the point where a fall occurs. The force of striking an object in a swing fall may cause serious injury or death. Minimize the risk of swing falls by working as close to the anchorage point as possible. Do not permit a swing fall if injury could occur. Swing falls will significantly increase the clearance required when a self-retracting lifeline or other variable length connecting system is used.

- **Potential Environmental Hazards:** Use of fall protection equipment in areas with environmental hazards may require additional precautions to prevent injury to the user or damage to the equipment. Hazards may include but are not limited to: chemicals, corrosive environments, high voltage power lines, gases, moving machinery, and sharp edges.

**SYSTEM REQUIREMENTS:**

- **Compatibility of Components:** Guardian Fall Protection equipment is designed to be used with Guardian approved components. Please contact Guardian if you have a question regarding compatibility. Making substitutions without approval from Guardian Fall Protection may lead to injuries and or death by compromising the safety and reliability of the complete system. A Qualified person can make a determination on compatibility of equipment from different manufacturers. If in doubt, please contact Guardian Fall Protection for clarification.

- **Compatibility of Connectors:** Connectors (D-rings, hooks, carabiners) must be capable of supporting at least 5,000 lbs. (22kN). Do not use equipment that is not compatible. Non-compatible connectors may unintentionally disengage. Self-locking snap hooks and carabiners are required by ANSI and OSHA. Connectors must be compatible in size, shape, and strength.

- **Making Connections:** Only use self-locking snap hooks and carabiners with any Guardian Fall Protection equipment. Do not use equipment that is not compatible. If you have any questions on compatibility, please call Guardian Fall Protection at 800.466.6385.

**WARNING!**

Large throat opening snap hooks should not be connected to standard size D-rings or similar objects which will result in a load on the gate if the hook or D-ring twists or rotates. Large throat snap hooks are designed for use on fixed structural elements such as rebar or cross members that are not shaped in a way that can capture the gate of the hook.
PERSONAL FALL ARREST INFORMATION:

- **Personal Fall Arrest System (PFAS):** Personal fall arrest systems used with this equipment must meet applicable state, federal, OSHA, and ANSI requirements. A full body harness must be worn when this equipment is used as a component of a personal fall arrest system. As required by OSHA, the personal fall arrest system must be capable of arresting the user’s fall with a maximum arresting force of 1,800 lbs., and limit the free fall to six feet or less.

**WARNING!**

Do not alter or intentionally misuse this equipment. Consult with GFP when using this equipment in combination with components or subsystems other than those described here in this manual and or other information. Use caution when using this equipment around moving machinery, electrical and chemical hazards, and sharp edges.

OPERATION, USE and PLAN:

- **Anchorage:** The anchorage to which the SRL is attached must sustain static loads applied in the directions permitted by the fall arrest system of at least 3,600lbs. with certification of a qualified person, or 5,000lbs. without certification. Refer to OSHA and ANSI for specific definition. This device is to only be used by one person. When more than one personal fall arrest system is attached to the same structure, the strength requirements stated above must be multiplied by the number of personal fall arrest systems attached to the structure.

- **Horizontal Systems and Tripods:** In applications where an SRL is used in conjunction with a horizontal system or with a tripod or davit arm, ensure the support structure and or the horizontal system components are compatible. Horizontal systems must be designed and installed under the supervision of a qualified engineer.

- **Anchorage Selection:** Select an anchorage point capable of support at least 5,000 lbs. Additionally, select a location for anchorage of the SRL that will avoid a free fall and swing fall hazards. To prevent an increased free fall distance, do not work above the anchorage location.

- **Free Fall:** Personal fall arrest systems must be rigged so the potential free fall is never greater than six feet. Avoid slack in the line and do not lengthen the SRL by connecting a lanyard or other snap hooks directly to the retractable. Do not use this device at or below your feet. This will increase your free fall distance beyond the allowable limits set by OSHA and exceed the capabilities of the SRL to safely arrest a free fall.

- **Swing Falls:** Swing fall will occur when the anchorage point is not directly over the head of the worker or directly above the point where a fall occurs. The force of striking an object in a swing fall may cause serious injury up to and including death. Minimize swing falls by working as directly below the anchorage point as possible. In all situations where a swing fall can occur, the likelihood of an injury can occur. Please contact Guardian Fall Protection if you have questions on a particular application involving one of our retractables.

- **Fall Clearance:** Ensure that there is always adequate clearance in the path of a fall to avoid striking an object or lower level. A minimum of six feet from the working level to the lower level or nearest obstruction is recommended as long as the SRL is attached directly over head of the worker and the worker is not in danger of injury as a result of a swing fall hazard.

- **Sharp Edges:** Unprotected and sharp edges can damage the lifeline. Please make sure to avoid working where this can occur and provide protection where possible. A Guardian manufactured energy absorbing device can be added to aid in reducing the impact forces on the entire device. For more information on this product, please contact Guardian Fall Protection directly. No alterations to Guardian products is allowed.

INSPECTION OF SELF RETRACTING LIFELINES:

**WARNING!**

If inspection reveals an unsafe or defective condition, remove the product from service and send product back to Guardian Fall Protection or a GFP authorized service center.

- **Before each use of this equipment inspect it according to the following guidelines:**
  A formal inspection of fall protection products/components must be performed at least every six months by a competent person other than the user. The frequency of formal inspections should be based on conditions of use or exposure. Record
WARNING!

CABLE INSPECTION:
When inspecting SRL’s that utilize cable lifelines, it is critical to look for the following damages and deterioration that will result in malfunction of the unit and potentially unsafe conditions.

- **Crushing:** The cable will often get crushed or bent while being used on a job site. Cable that is crushed or bent will damage the retractable and thus the unit should be immediately taken out of service and returned to Guardian or an authorized repair center.
- **Cutting:** Movement over sharp edges or other objects while the cable is under tension can result in damaged strands and broken wires. If, through inspection of the retractable lifeline prior to each use, it is found to have any broken strands, immediately remove from service and return to Guardian or an authorized repair center.
- **Abrasion:** Abrasion can result from normal wear. Particular attention must be paid to the outer wire strands as they will appear to be flattened and or shinier than other parts of the cable. If, through inspection of the retractable lifeline prior to each use, it is found have damage or deterioration from abrasion, immediately remove from service and return to Guardian or an authorized repair center.
- **Kinking:** Any deformation in the cable whereas the lifeline appears to be bent, requires the retractable to be immediately removed from service and returned to Guardian or an authorized repair center.
- **Corrosion, Arc or Heat Damage:** Extreme caution must be taken to avoid any potential damage as a result of using a retractable within an environment where corrosive compounds, welding, or high heat may exist. Corrosive damage could cause the cable to crack. Welding damage would result in fused wires and thus change the characteristics of the strength with regards to the wire. If the retractable is used in these environments, the retractable lifeline needs to be closely examined for damage. If you have any questions in terms of damage to the retractable or further explanation of the above information is needed, please call 1-800-466-6385.
PLAN THE FALL PROTECTION SYSTEM:

Before installation plan your system. Consider all factors that will affect your safety during use of this equipment. The following list gives important points to consider when planning your system:

- Anchorage: Select a rigid anchorage capable of supporting the loads no less than 5,000 lbs. per worker attached.
- Sharp Edges: Avoid working where system components may be in contact with, or abrade against, unprotected sharp edges.
- After a Fall: Components which have been subjected to the forces of arresting a fall must be removed from service and destroyed. Retractable must be returned for servicing to GFP or an authorized repair center.
- Rescue: The employer must have a rescue plan when using this equipment. The employer must have the ability to perform a rescue quickly and safely.

INSTALLATION REQUIREMENTS:

The following requirements outline the proper installation procedures to be followed.

Location:

- Select a location on an appropriate strength anchorage that will provide overall safety and proper loading. The anchorage must be free of deformities or defects that may weaken the structure. The anchorage to which the SRL is attached must be capable of sustaining static loads in the directions applied by the personal fall arrest systems of at least 3,600lbs with certification of a qualified person, or 5,000lbs without certification.
- When more than one person is attached to the same structure, the strength requirements stated above must be multiplied by the number of personal fall arrest systems.
- Do not work above the anchorage point. While using an SRL, always ensure that there is constant tension on the cable. Slack in the cable could result in an increase in fall distance. Move normally as sudden jerky movements will allow the locking mechanism to engage.
- Do not install in an area where a swing fall hazard potentially could exist. Failure to do so could result in injury or possibly death.
- Keep these instructions for reference.

TRAINING:

It is the responsibility of the user and the purchaser of this equipment to assure that they are familiar with these instructions, trained in the correct care and use of, and are aware of the operating characteristics, application limits, and the consequences of improper use of this equipment.

WARNING!

If inspection reveals an unsafe or defective condition, remove the Self Retracting Lifeline from service and send back to Guardian Fall Protection or an authorized repair center.

WARNING!

Training should be conducted without exposing anyone to a fall hazard. Training should be repeated on a periodic basis in accordance with your organizations policy and compliance with OSHA regulations.
20ft Web Retractable (10906)
20ft. to 30ft. Galvanized/Stainless Steel Cable Retractable (10910/10912/10915/10930/10932/10935)
**INSPECTION AND MAINTENANCE LOG:**

*ALL EDGE RETRACTABLES, EXCLUDING THE 11FT. WEB UNIT, MUST BE SERVICED EVERY TWO YEARS FROM DATE OF FIRST USE. 11FT. WEB RETRACTABLE MUST BE INSPECTED EVERYDAY AS ANY OTHER RETRACTABLE DEVICE.*

**SERIAL NUMBER:**______________________(Log unit serial number found on backside of label)

**MODEL NUMBER:**______________________(Model number found on backside of label)

**DATE PURCHASED:**______________________  **DATE OF FIRST USE:**____________________

**INSPECTION DATE:**____________ (Mark date of inspection)

**INSPECTION ITEMS NOTED:**  (Refer to inspection guidelines in this manual)
1.  **Example: Cable lifeline frayed.**
2.
3.
4.
5.

**CORRECTIVE ACTION TAKEN:** _________________________________________

Example: Retractable taken out of service and returned to Guardian Fall Protection

**APPROVED BY:**____________________________  **DATE:** ____________ (Who approved inspection and corrective action taken)

**INSPECTION DATE:**____________ (Mark date of inspection)

**INSPECTION ITEMS NOTED:**  (Refer to inspection guidelines in this manual)
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Mark on the retractable label that the device has been inspected. Failure to do so voids warranty of product.

Guardian Fall Protection, Inc.
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