GEMTOR™

. . . when your life is on the line™

OWNER'S MANUAL

RL-8 Self-Retracting Lanyard/Fall Limiter

Installation, Operating, Inspection and Maintenance Instructions

⚠ Warning

You must read and fully understand all instructions, or have all instructions explained to you, before attempting to use this device. Equipment must not be installed, operated or inspected by anyone who does not understand this Owner's Manual. Failure to observe these instructions could result in serious injury or death. Careless or improper use of this equipment can result in serious injury or death. Training and instruction review should be repeated at regular intervals. If you have any questions regarding these instructions or need additional copies, call Gemtor toll free at 800-405-9048.

IMPORTANT: THESE INSTRUCTIONS SHOULD BE KEPT WITH THE DEVICE AT ALL TIMES.

ISO 9001

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IMPORTANT INFORMATION:

Purchased from (Distributor): _____

Address: _____

_____

City: _____ **State**_____ **Zip**_____

Purchase Date: _____

Model Number: _____

Serial Number: _____

Property of:

_____

_____

_____

_____

_____

Keep this information for future reference.

DESCRIPTION:

The Gemtor RL-8 is a personal fall protection device with 8 ft. of 1¾" wide polyester webbing, on a spring-wound drum with a centrifugal braking system. The housing is made of heavy-duty steel with chemical, environmental, and impact resistant PVC cover. The device allows maximum freedom of movement and stops a worker within 2 feet (including deceleration distance) if a fall occurs.

Gemtor Self-Retracting Lanyards (SRLs) are part of a complete fall protection system which should consist of:

1) An anchorage point meeting OSHA requirements for retracting lanyards.
Anchorages used for attachment of personal fall arrest equipment shall be independent of any anchorage being used to support or suspend platforms and capable of supporting at least 5,000 pounds (22,2 kN) per employee attached [OSHA 1926.502(d)(15)]

2) A locking type connector to mount the Sentry device to the anchorage point.

3) A Sentry RL-8 Self-Retracting Lanyard.

4) A full-body harness with attachment point located in the center of the back at shoulder level. A front attachment point may also be used when ascending or descending a vertical fixed ladder.

AVAILABLE MODELS:

RL-8..... Self-Retracting lanyard w/ 8 feet of polyester webbing.

SPECIFICATIONS:

Model #	**RL-8**
Maximum Work Load	310 lbs.
Lanyard Length	8'
Lanyard Width	1 ¾"
Lanyard Strength	5000 lbs.
Lanyard Material	Polyester
Housing Material	High-strength steel with PVC cover
Arresting Force	< 900 lbs.
Brake Activation distance	≈ 6"
Max arrest distance	≤ 24"
Weight	2.75 lbs.

INSTALLATION:

1) To minimize the possibility of a swing fall hazard, install the device directly over the work area.
2) Attach the device to the anchor point (must meet OSHA requirements) using a locking connector.
3) Attach the locking snaphook at end of lanyard to the D-ring on the back of the harness. The D-ring must be in center of wearer's back at or above shoulder level.

TRAINING:

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.[OSHA 1926.503(a)(1)]
The employer shall assure that each employee has been trained, as necessary, by a competent person qualified in the following areas:
(I) The nature of fall hazards in the work area;
(ii) The correct procedures for erecting, maintaining, disassembling, and inspecting the fall protection systems to be used;
(iii) The use and operation of guardrail systems, personal fall arrest systems, safety net systems, warning line systems, safety monitoring systems, controlled access zones, and other protection to be used;
(iv) The role of each employee in the safety monitoring system when this system is used;
(v) The limitations on the use of mechanical equipment during the performance of roofing work on low-sloped roofs;
(vi) The correct procedures for the handling and storage of equipment and materials and the erection of overhead protection; and
(vii) The role of employees in fall protection plans;
(viii) The standards contained in this subpart.[OSHA1926.503(a)(2)]
The employer shall verify compliance with paragraph (a) of this section by preparing a written certification record. The written certification record shall contain the name or other identity of the employee trained, the date(s) of the training, and the signature of the person who conducted the training or the signature of the employer. If the employer relies on training conducted by another employer or completed prior to the effective date of this section, the certification record shall indicate the date the employer determined the prior training was adequate rather than the date of actual training.[OSHA 1926.503(b)(1)]

INSPECTION:

ENERGY ABSORBER

An energy absorber pack has been supplied as an integral part of your self-retracting lanyard. It is located at the end of the lanyards webbing, just above the locking snaphook. The energy absorber reduces the possibility of the lanyard being overloaded. When used according to these instructions the energy absorber will elongate approximately 6 inches or less. If the unit is subjected to unusually high forces caused by overloading or improper use that leads to a freefall then the energy absorber may expand up to 24”. The energy absorber also serves as a stress indicator. Any elongation of the energy absorber is evidence that the unit has seen impact forces and should be removed from service.

BEFORE EACH USE

Inspect the entire fall arrest unit for any indication of damage, wear or malfunction to include but not limited to, worn webbing or damaged locking snaphook. Remove from service immediately if the unit is damaged, has been subjected to a fall, does not pass inspection, the energy absorber has been activated or if the unit has not been inspected by a competent person within the last 12 months (shorter inspection intervals should be used if the unit is subjected to harsh conditions).

Inspect work area:
Inspect and clear the vicinity around the work area of debris and other materials that could cause injuries or interfere with the operation of the device.

Check webbing:
Pull all of the webbing out of the housing and allow it to retract slowly under light tension. While the webbing is retracting, check for cuts, knots, broken stitching, excessive wear, foreign substances or other damage.

Check locking mechanism:
Pull approximately two (2) feet of webbing out of the housing and give it a quick hard tug. The device should lock and remain locked until you release the webbing.

Check webbing retraction before each use:
Pull approximately four (4) feet of webbing out of the housing and allow it to retract; maintain slight tension on webbing. The webbing should retract smoothly and completely. Do not allow webbing to retract freely.

Inspect snaphooks and connecting hardware:
Snaphooks and connecting hardware shall not be distorted nor have any sharp edges, burrs, cracks, worn parts or corrosion. The snaphook keeper spring shall provide tension to close the keeper in the locked position.

DO NOT attempt to adjust, repair or modify Gemtor self-retracting lanyards.

Operating Instructions:

The SRL shall be mounted to an overhead anchor point which meets OSHA requirements for retracting lanyards. The worker shall use a full-body harness with a D-ring in the center of the wearer's back near shoulder level.
Attachment points, connectors and other equipment must meet applicable OSHA and ANSI standards.
The unit releases webbing out as the worker moves to allow maximum freedom of movement and automatically retracts to reduce the possibility of free fall injury caused by slack webbing. In the event of a fall, a centrifugal brake mechanism is activated, and the fall is arrested within 12 inches*.
Always allow lanyard to retract completely when not in use. Use a tag-line to pull lanyard out of housing that is connected to anchorage too high for the worker to reach.
Equipment must be inspected before each use; if bent, damaged, if parts have been substituted or if operation is questionable in any way, **DO NOT USE.**

* 12” arrest distance includes brake engagement distance and energy absorber extension (deceleration distance). This distance may be greater (up to 24”) if these instructions are not followed or the rated capacity is exceeded. When using with a Gemtor horizontal lifeline system (HL1, HL2 or HL3) with integral energy absorbing components, use 12” stop distance (for RL-8) to calculate minimum required clearance.

Inspection policy:

Both OSHA and ANSI require an inspection by the user before each use and ANSI also requires an additional inspection by a Competent Person other than the user at intervals of no more than one year.

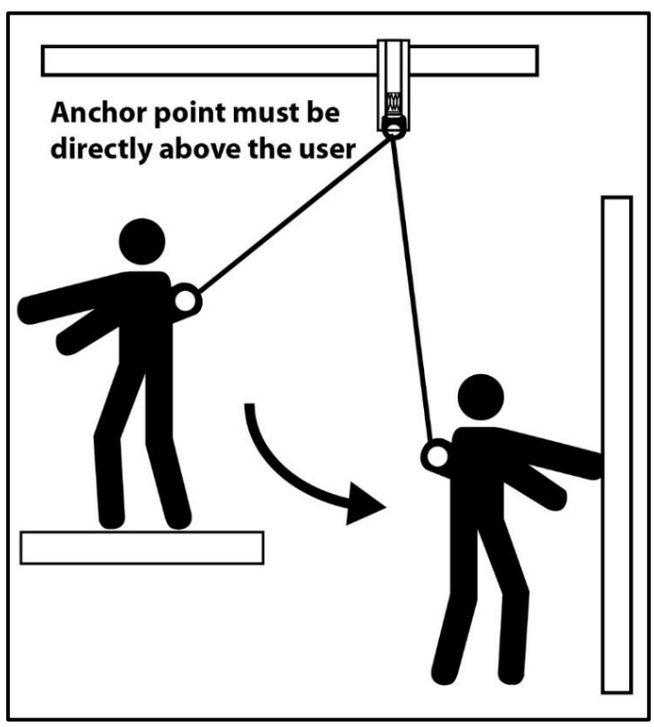
OSHA and ANSI define a Competent Person as:

> One who is capable of identifying existing and predictable hazards in the surroundings and working conditions that are unsanitary, hazardous or dangerous to employees, and who has the authority to take prompt corrective measures to eliminate such hazards.

ANSI Z359.1 E6.1.1 The purpose of two-level inspection of equipment is to provide two independent means for guarding against oversight in the detecting and controlling against the use of defective, damaged and improperly maintained equipment. If such equipment conditions are observed by the competent person's inspection, measures should be taken to provide the user with additional training or retraining in equipment inspection, maintenance, use and storage. Such observations may also suggest the need for election of alternative equipment more suitable for the conditions of use. The frequency of periodic inspection by a competent person should be established by the user's organization based upon careful consideration of relevant factors. Such factors include the nature and severity of workplace conditions affecting the equipment and the modes of use and exposure time of the equipment.

Swing Fall Hazard

Work directly under your anchorage whenever possible. If a swing fall can occur, ensure that there are no hazards in the swing fall path. Total fall distance is greater in a swing fall than in a vertical fall. Ensure that you account for the added distance when calculating Minimum Required Fall Space.



WARNINGS:

DO NOT USE IF:

The device appears to be damaged.
The webbing is worn or partially cut.
The locking snap hook does not function properly.
The webbing does not retract properly.
The device does not lock and stop the webbing.
The unit has arrested a fall.
The energy absorber has elongated.
The unit has not inspected by a competent person within the last 12 months

- **DO NOT attempt to adjust, repair or modify Gemtor Self-Retracting Lanyards; for prompt repair or reconditioning, contact Gemtor, Inc. for return authorization and instructions.**
- **NEVER ALLOW WEBBING TO RETRACT FREELY.**
- **DO NOT attach more that one worker to the device.**
- **DO NOT use for lifting or towing.**
- **DO NOT use as a work positioning device.**
- **DO NOT attach anything to the snaphook at the end of the retractable lanyard to extend its length beyond its designed length.**
- **NEVER clamp off or stand on webbing nor allow webbing to become slack during use.**
- **NEVER allow webbing to cross under or wrap around the legs, arms, neck or torso of the user or other workers.**
- **NEVER work above the anchor point.**
- **ALWAYS work directly under the anchor point. Worker must be vertically in line with device to avoid swing-fall injuries (pendulum effect).**

ALWAYS rig to allow a minimum of 3 ft. clearance (when mounted above the worker with no slack webbing) to the next lower level or obstructions below.

IF YOU HAVE ANY QUESTIONS CONCERNING THE CORRECT USAGE OF THIS OR ANY GEMTOR PRODUCT, DO NOT USE, CALL (TOLL FREE) 1-800-405-9048

Do not try to adjust, repair or modify Gemtor Self-Retracting Lanyards; for prompt service, please contact:

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Inspection Log:

Notes: