

Madaco Safety Products

You're Alliance in Safety Compliance

Part # SRL-30GC, SRL-50GC, SRL-75GC, SRL-100GC

Self-Retractable Lanyard



Product manual do not discard. These instructions must be accepted and understood prior to use



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Preface:

Thank you for being a valued Madaco customer. Read and understand this manual before using this self retractable lifeline. OSHA requires that employees go through a training program prior to use of this product. This manual should be used during the training program

The user of this product must fully understand safe and successful operation of this self retractable lanyard and all components of the personal fall arrest system (PFAS) that may be used with it. The user of this product must have access to this manual at all times.



Safety Standards that Apply:

This self retractable lanyard when used as directed meets or exceeds OSHA 1910, OSHA 1926 Subpart M, ANSI A10.32-2012 and ANSI Z359.14-2012 standards for fall protection. The scope of work being performed dictates the appropriate standards and regulations. Additional information can be found by talking to regulatory agencies.



Be sure to understand the definitions of the personnel who have been exposed or may work near fall hazards.

Personnel Designation:

Authorized person: A person approved or assigned by the employer to perform a specific type of duty or duties or to be at a specific location or locations at the jobsite.

Competent person: One who is capable of identifying existing and predictable hazards in the surroundings, or working conditions which are unsanitary, hazardous, or dangerous to employees, and who has authorization to take prompt corrective measures to eliminate them.

Qualified Person: One who, by possession of a recognized degree, certificate, or professional standing, or who by extensive knowledge, training, and experience, has successfully demonstrated his ability to solve or resolve problems relating to the subject matter, the work, or the project.

It is the obligation of the Competent or Qualified individual to oversee the jobsite and confirm all safety regulations are complied with.

Safe Use Practices:



If you fail to comply with the following safe use practices and OSHA fall protection regulations then serious injury or death may occur.

Only use this equipment as instructed.

Do not modify this equipment in any way.

Jobsite conditions including but not limited to, flame, electrical shock, corrosive chemicals, abrasive substances, machinery, sharp objects, uneven surfaces and weather conditions need to be identified by a competent person prior to use of a personal fall arrest system.



Keep rescue equipment in a designated area where they are always available.

The ability to identify fall hazards, minimize the likelihood of fall hazards and the correct use of personal fall arrest systems must be covered and understood during training.

Authorized personnel must be trained on how to maintain, inspect, store, erect, disassemble and use the equipment by the competent person.

Up keep of equipment must be executed in accordance with manufactures instructions. Keep all instructions for future reference.

The competent person is in charge of identifying hazards and selecting the appropriate fall protection equipment.

Do not purchase used fall protection equipment.

Always construct fall protection systems in accordance with Federal safety requirements.

All connecting devices and harnesses must be compatible with each other in size, function and shape.

Before each use fall protection equipment must be inspected for flaws, defects and or failure that would result in poor performance. Any equipment showing evidence of flaw, defects and or failure is to be removed from service immediately.

Always have a pre planned rescue procedure prior to use. The plan should allow for both assisted and unassisted rescues. Have a plan that details the rescue of an unconscious person.

A competent person must be able to determine the arresting forces that will be sustained by the anchor point.

The maximum fall distance allowed is six feet. Leading edge self retractable lanyards allow for a free fall however the fall must be arrested within 54". Non leading edge self retractable do not allow for free falls.

Personal fall arrest systems must be installed under the supervision of a competent person and shall only be used in a compliant manner

When surveying the jobsite, predict the location workers will be performing the task and path that will be used to get in position. Take action to protect employees against existing or potential fall hazards.



This product is not permitted for use by pregnant women or minors. Physical conditions, age and ability can directly affect a person's ability to sustain a fall. Contact a physician if there is any doubt of a worker's ability to withstand and absorb the arresting forces of a fall.

All equipment that has been subjected to the arresting forces of a fall must be destroyed and removed from service immediately.

Inspect all equipment for missing labels, absence of components, fraying, excessive wear, alteration, evidence of cracks, improper fit or function, missing markings, abrasion, excessive heating, deformation, corrosion and sharp edges.

Any equipment that doesn't pass inspection in any way must be removed from service immediately. Only Madaco can make repairs or modifications.

Onsite repair is not permitted unless performed by a Madaco technician.

Post fall trauma can cause harm to a worker who falls even if all safety precautions are taken. Use of a post fall relief strap or self rescue ladder will reduce but not eliminate the negative effects of post fall trauma.

The capacity of this lanyard for a worker including tools is 130-310 lbs

A competent person must inspect and document the condition of the self retractable lanyard at least once a month and inspect the entire fall arrest system and include documentation once every six months.

In order to eliminate the chances of accidental disengagement never connect carabiner to carabiner or snap hook to snap hook and always inspect the compatibility of the selected equipment for secure connections.

Cleaning Maintenance and Storage

Self retractable life lines can only be repaired by Madaco. If this product has failed inspection please contact Madaco Immediately at (909)614-1756

Do not use strong corrosive chemicals to clean the SRL. Use room temperature water with mild soap then rinse and wipe dry. Make sure the Self Retractable Lanyard is free of dirt and contaminants before and after each use.

When not using the self retractable lanyard store in a cool dry place away from light, heat excessive moisture, chemicals or any other elements that may cause damage.



Inspection

Each month the self retractable lanyard must be inspected by a competent person other than the one than the user. The competent person must inspect record and initial on a log every month during the inspection. Be sure to list the month and year next to each endorsed entry.

Before each use check the retraction of the lifeline by pulling out 4 feet of cable and slowly letting it retract back, the line must go all the way back in to the stopper. To test the breaking mechanism quick pull out the steel cable to engage the brake. If a shock pack is present then check for signs of deployment. Take the self retractable lanyard out of service immediately if exposed to a fall or it doesn't function properly.

Prior to every use look for paint build up, alteration, fraying, missing or illegible labels, rough surfaces, burrs, corrosion, cracking, sharp edges, excessive heating, deformation and broken stitching.

Keep in mind the hazards and applications the SRL has experienced while inspecting.

Product Specific Applications



Only one person is allowed to be attached to the Self Retractable lanyard at one time. Unintended or misuse of this self retractable lanyard can result in serious injury or death.

Restraint:

Self retractable lanyards may be used as a restraint device which doesn't allow for workers to reach the leading edge of the fall hazard. When using the SRL as a restraint device be sure to account for the full length of the cable. No vertical free fall is allowed for this application. The anchor point must be able to withstand a force of at least 1,000 lbs in the direction of use.

Personal Fall Arrest:

Self retractable lanyards may be used for Personal Fall Arrest Systems for 1 person weighing up to 310 LBS including tools. No vertical free fall is allowed. Do not anchor off at your feet, the anchor point must be at or above the workers back D-Ring. The anchor point must be able to withstand a force of 5,000 lbs in fall arrest applications.



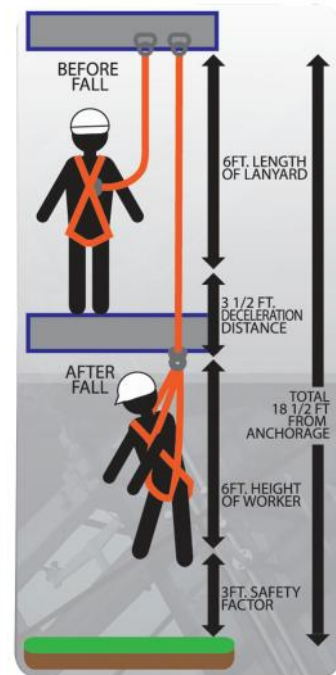
Restrictions

Swing falls

Swing falls will drastically increase the potential for serious injury or death if a fall occurs. Always work as directly under the anchor point as possible. Swing falls will happen when the anchor point is not installed directly above the worker. Before installing the anchor take account for any swing fall possibilities and eliminate them.

Fall Clearance

Always make sure that there is enough room below your working surface and nothing will obstruct the path of a fall. A safety factor of 3 feet must be allowed beneath the worker in the event of a fall. When selecting an anchor point allow adequate fall clearance for the person, lanyard, deceleration device and all other relevant factors. See diagram for example of fall clearance calculation.



Compatibility

Eliminate any chances of accidental roll out when connecting the lanyard to anchor points. The competent person is responsible for selecting compatible equipment. A roll out happens when in carabiners or hooks are attached to incompatible anchor points causing an unintentional gate opening. All connecting hardware must be self closing and locking.

Connector must be in the closed and locked position.



Do not attach two connectors to each other.



Use appropriate hook size for anchor points.



Only connect 1 snap hook per anchor point.



Do not connect back on to the lanyard itself.



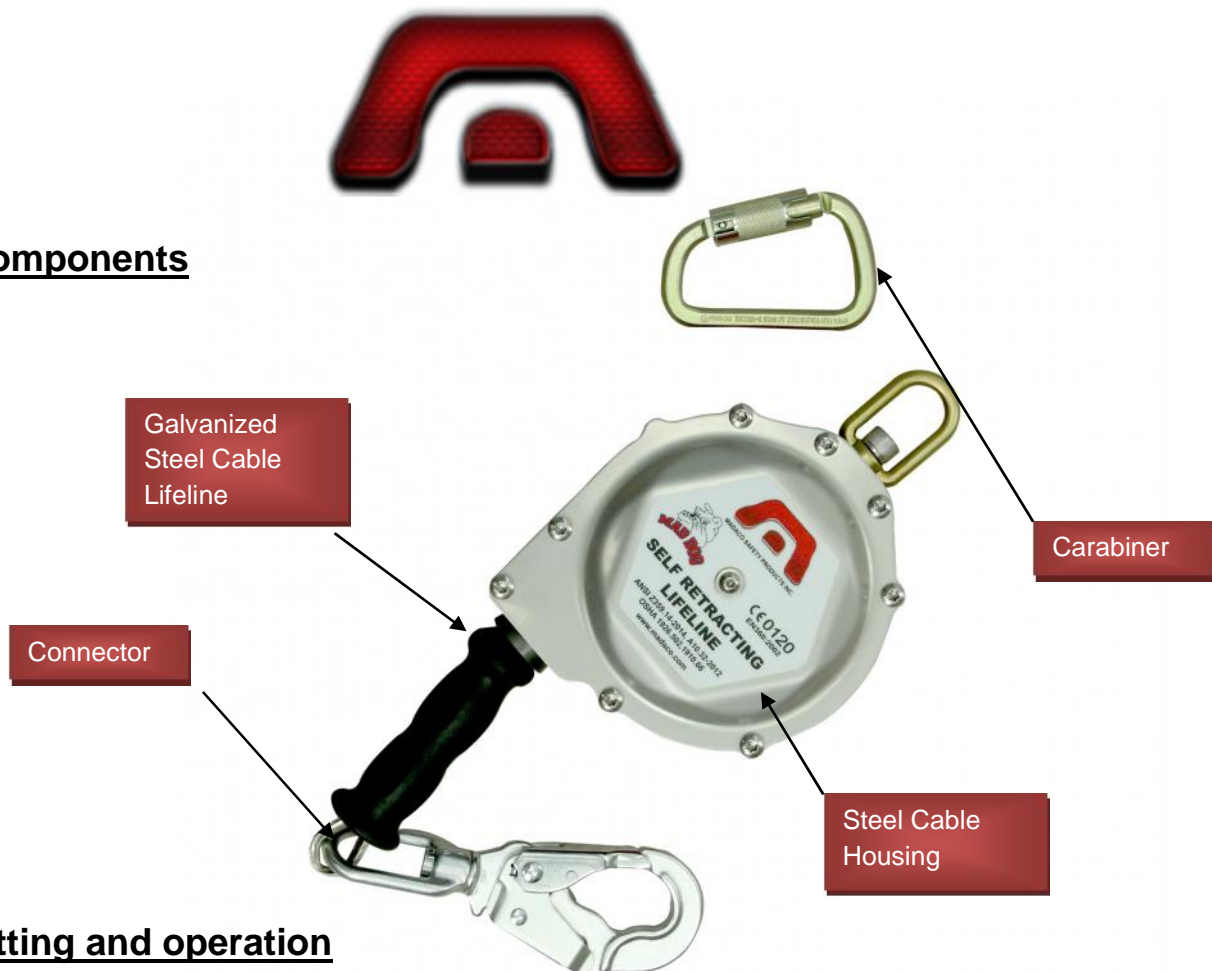
Do not connect directly to a horizontal lifeline.



Do not put load on the gate.



Components



Fitting and operation

The Madaco Mad Dog Self Retractable Lanyard must always be anchored at or above the Dorsal (Back) D-ring of the harness. This lanyard is not intended to be used on leading edge applications. It is very important to not let the line come in contact with sharp or abrasive edges and surfaces.

- Make sure when at heights 100% tie of is maintained. This may require back up fall arrest equipment to be used.
- The housing of the self retractable can either be attached to the anchor point for stationary use or to the back of the harness for mobile applications.
- A competent person is responsible for identifying and approving the correct self retractable lanyard and fall arrest equipment for the job.
- The work area in which the Self Retractable lanyard is attached to must be clear of all hazards including but not limited to sharp or abrasive edges, rust, rot and debris



Labels

Front



!!!Caution!!!

Do not use any fall protection equipment if the labels are missing, incomplete or illegible.

Back





Inspection Log

Date	Item Inspected	Action Taken	Clean Y/N	Date	Item Inspected	Action Taken	Clean Y/N
Inspected By:				Inspected By:			
Inspected By:				Inspected By:			
Inspected By:				Inspected By:			
Inspected By:				Inspected By:			
Inspected By:				Inspected By:			
Inspected By:				Inspected By:			
Inspected By:				Inspected By:			
Inspected By:				Inspected By:			
Inspected By:				Inspected By:			
Inspected By:				Inspected By:			

User Data

Serial Number _____

User Name _____

Date first used ____ / ____ / ____