

WARRANTY: All Ritz Fall Protection products bear 1 year warranty against manufacturing defects, applicable on unused Ritz Fall Protection products, from the date of purchase. However, Ritz Fall Protection shall not be liable for any accident or damage while the product is in use.

LIFESPAN: The estimated product lifespan of this product is 10 years from the date of manufacturing. The following factors can reduce the lifespan of the product : intense use, contact with chemical substances, specially aggressive environment, extreme temperature exposure, UV exposure, abrasion, cuts, violent impacts, bad use or maintenance.

DISCLAIMER: This information on the product is based upon technical data that Ritz Fall Protection obtained under laboratory conditions and believes to be reliable. Ritz Fall Protection does not guarantee results and takes no liability or obligation in connection with this information. As conditions of end use are beyond our control it is the user's responsibility to determine the hazard levels and the use of proper personal protective equipment. Persons having technical expertise should undertake evaluation under their own specific end-use conditions, at their own discretion and risk. Please ensure that this information is only to check that the product selected is suitable for the intended use. Any product that is damaged, torn, worn or punctured should be immediately discontinued from usage .

EQUIPMENT RECORD

Product		
Model & type/identification	Trade Name	Identification number
Manufacturer	Address	Tel, email into use
Year of manufacture	Purchase Date	Date first put into use

Other relevant information (eg. document number)

PERIODIC EXAMINATION AND REPAIR HISTORY

Date	Reason for entry (periodic examination or repair)	Defects noted, repairs carried out and other relevant information	Name and signature of competent person	Periodic examination next due date

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USER INSTRUCTION MANUAL

SELF RETRACTABLE LIFELINE



THIS INSTRUCTION MANUAL APPLIES TO THE FOLLOWING MODELS:
 RTZW16R, RTZW16S, RTZW26R, RTZW26ALR, RTZW11R,
 RTZW11SNH, RTZPCGS50FTR, RTZPCGS90FTR

ANSI
 ANSI Z359.14-2021

Please read and understand the manufacturer's instructions for each component or part of the complete system. Manufacturer's instructions must be followed for proper use, care, and maintenance of this product. These instructions must be retained and be kept available for the user's reference at all times. Alterations or misuse of this product, or failure to follow instructions, may result in serious injury or death.

Note: The user is advised to keep this user instructions document for the life of the product.

Manufacturer	: Ritz Fall Protection
Certification Body	: SATRA Technology Europe Ltd, Bracetown Business Park, Clonee, Dublin D15 YN2P Ireland (Notified Body 2777)

This manual must be used as part of fall protection training program as required by OSHA or any state regularity agency. These instructions are intended to meet the manufacturer instructions as required by ANSI Z 359.14 and OSHA 1926.

SPECIFICATION (ANSI SRL)

Model Number	Lifeline Material and Size	Lifeline Length	Maximum Arresting Force	Maximum Arrest Distance	Comply ANSI Z359.14 Class
RTZW11R RTZW11SNH	Polyester Webbing (Black) 1" width	11 ft (3.35 m)	1800 lbs	24 inches (609.6 mm)	1
RTZW16S	Technora Webbing (Black) 0.8" width	6 ft (1.83m)	1800 lbs	24 inches (609.6 mm)	1
RTZW16R	Technora Webbing (Black) 0.8" width	6 ft (1.83m)	1800 lbs	24 inches (609.6 mm)	1
RTZW26R RTZW26ALR	Technora Webbing (Black) 0.8" width	6 ft (1.83m)	1800 lbs	24 inches (609.6 mm)	1

1. RETRIEVAL TYPE FALL ARRESTER LIFELINE-

Introduction: Retrieval Fall Arrester SRL in Polymer casing which is coupled with hoisting winch to enable easy retrieval of a victim of a Fall. The SRL allows the fall to arrest and also allows easy hoist of the victim with help of its hoist function. The Locking Pin on the side of the casing at the base of the handle allows this dual system to work in independent Fall Arrest & Winch modes. It can be easily mounted on the leg of Ritz Safety Megapod (Ref. RTZTP60) using universal mounting bracket for Retrieval SRL's.

RETRIEVAL TYPE RETRACTABLE FALL ARREST SRLs

Model Number	Lifeline Material and Size	Lifeline Length	Maximum Arresting Force	Maximum Arrest Distance	Comply ANSI Z359.14 Class
RTZPCGS50FTR	7X19 Galvanized Steel cable (3/16 in. dia)	50 ft. (15.2 m)	1,800 lbs.	42 inches (1067 mm)	1
RTZPCGS90FTR	7X19 Galvanized Steel cable (3/16 in. dia)	90 ft (27 m)	1,800 lbs.	42 inches (1067 mm)	1

Installation: Follow step-1 to step-4 install this equipment:-

- Step 1:** Install the base of universal mounting bracket on Megapod with help of two pins and lock them with the cotter pin.
- Step 2:** Mount Retrieval SRL on the bracket by inserting the guided pulley's of Retrieval SRL into the Recess provided in the bracket.
- Step 3:** Now insert the locking pin into the bush of bracket and tight it to the fullest.
- Step 4:** Reel out the wire and guide it through the pulley of Megapod and connect to the Dorsal D-ring of the of the user's harness.

4. **ELECTRON BLOCK:**

Introduction: The ergonomically designed Elektron is easy to use and is ideal for direct connection to most harnesses. It is virtually unnoticeable on your back, stays out of the way and can be easily used as a lanyard replacement. Whether your application requires single or twin leg configurations, mounting to an overhead anchor or for connection directly to harness, Ritz Fall Protection Elektron comes with all the possible connections for you to choose as per your suitability. Elektron locks quickly-stopping a fall within inches-providing more protection at low heights. Also, the tension is always kept on the lifeline, which reduces snapping, dragging and trip falls.

Possible Usage-

- **Usage as Single or Twin Lanyard.** (Refer fig. 01)

STEP 1: Connect the swivel eye of the retractable fall arrester to the dorsal attachment of the full body harness with the help of special connector RTZ174 ensure the connector is locked.

STEP 2: Now connect the snap/scaffold hook at the termination end of the device to the structure and ensure that it is locked. You are now safe to move in normal speed. In the event of a fall, the Retractable Fall Arrester locks & also minimizes the impact forces on the body of user.

Usage as a Single or Twin Lanyard with twin SRL connector (RTZ174)

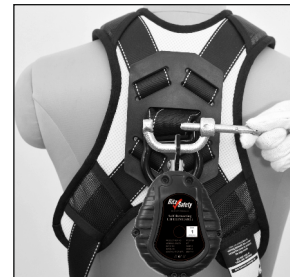


Fig 01



Ref.- RTZ174

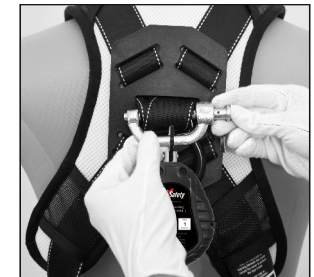
Material of Construction - Alloy Steel
Minimum Breaking Strength- 5000 lbs.



Open connector by pushing the locking lever and push button at the end simultaneously.



Slide Connector through loosened web straps placed below the Dorsal D-ring, then pull straps tight.



Push the pin inside the grooves of the connector to ensure locking.

- **Usage at Foot level** -It can be used where the anchorage point is available at foot level by just connecting the swivel eye of the retractable to the anchorage point and the hook at termination to the dorsal attachment of harness. (Refer fig. 02)
- **Usage as tie-back:** Elektron with Tie-back hook should be used with the SRL casing attached to the Dorsal D-ring of the full body harness, and the extended webbing (with a sheath) wrapped around the anchorage structure, and the Tieback hook secured around the webbing.



Fig 02

WARNING:

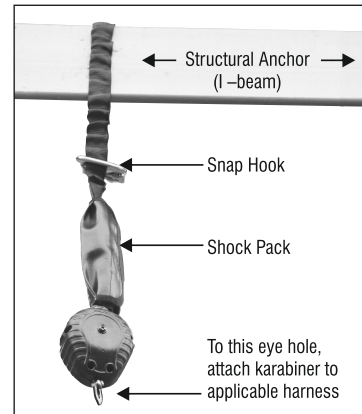
- NEVER use Elektron Tie Back SRL in Leading Edge (LE) applications.
- ALWAYS avoid lifeline contact with sharp or abrasive edges and surfaces.
- For Tie – Back application, snap hook must only be attached to webbing below shock pack. NEVER attach snap hook between housing and shock pack.
- No Free Fall is allowed.

Installation and usage

- Ensure that the structural anchor to which Electron Tie-Back 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.
- Wrap Tie- Back SRL lifeline around selected structural anchor, and attach snap hook on to webbing below shock pack (Never attach snap hook between housing and shock pack). Attach Electron Tie-back karabiner to applicable harness D-ring.

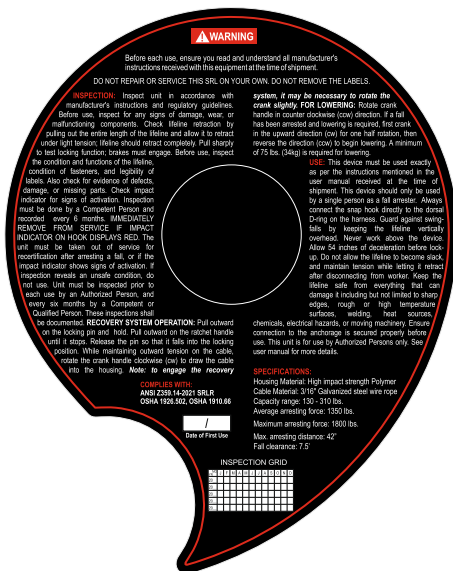
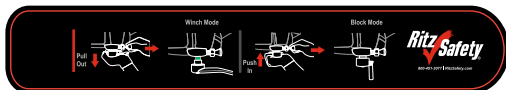
WARNING:

If the Electron with rebar hook configuration is used, then the rebar hook should always be connected to the anchorage structure, and NEVER to the dorsal D-ring of the full body harness. And the Electron casing should always be worn at the harness end. A competent person must always ensure compatibility of the anchorage structure with the Electron.



5. GENERAL REQUIREMENTS, WARNINGS AND LIMITATIONS:

- The Equipment is designed for use as a part of a personal fall protection system. Components must not be used for any other operation other than that which it has been designed and approved. Fall Arrest system are designed to comply with OSHA. Fall Restraint System must be designed by a Qualified Person, and must be installed and used under the supervision of a competent person.
- All authorized persons/users must refer the regulations governing occupational safety, as well as applicable ANSI or CSA standards. Please refer to product labeling for information on specific OSHA regulations, ANSI and CSA standards met by product.
- Proper precautions should always be taken to remove any obstructions, debris, material, or other recognized hazards from the work area that could cause injuries or interfere the operations of the system. All equipment must be inspected before each use according to the manufacturer's instructions. All equipment should be inspected by a qualified person on a regular basis.
- To minimize the potential for accidental disengagement, a competent person must ensure system compatibility.
- Equipment must not be altered in any way. Repairs must be performed only by the manufacturer, or persons or entities authorized in writing by the manufacturer.
- Any product exhibiting deformities, unusual wear, or deterioration must be immediately discarded. Any equipment subject to a fall must be removed from service. The authorized person/user must have a rescue plan and the means at hand to implement it when using this equipment.
- Never use fall protection equipment for purposes other than those for which it is designed. Fall protection equipment should never be used for towing or hoisting.
- All synthetic material must be protected from slag, hot sparks, open flames, or other heat sources. The use of heat resistant materials is recommended in these applications.
- Never use natural materials (manila, cotton, etc.) as part of a fall protection system.
- Do not expose this equipment to chemicals which may have a harmful effect on the materials used to construct it. Be especially aware of caustic environment, or those that contain high levels of organic acids or bases. If you are uncertain about the safe operations of this equipment in any environment, contact Ritz Fall Protection for further instructions.
- Do not use the equipment near sharp edges and abrasive surfaces.
- Do not use the equipment around moving machinery or electrical hazards.
- Ritz Fall Protection Self Retractable lifeline should be used only with the combinations of components, sub-systems or both which may not affect or interfere with the safe function of one another. Be certain that connecting devices are compatible and that other elements of the Personal fall arrest system are safe to use and compatible before use.
- Suitable for use with horizontal lifelines, deforming or flexible anchorages.
- The maximum fall arrest distance shall not exceed 42", when tested dynamically as per the requirements of 36" free fall with 310lbs weight
- Avoid the use of SRL, in situations where engulfment hazards exist.
- The use of the device is inherently dangerous near or in contact with sharp, jagged or abrasive structural edges. Hence, such an application should be a last resort option.



- TRAINING REQUIREMENTS:** The employer must provide a training program to each employee who might become exposed to fall hazards. The program must enable each employee to recognize the hazards of falling and must train to follow each employee in the procedures in order to minimize these hazards. Relevant Federal, State, and local requirements, procedures, and standards must also be a part of training. The employer must 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 the plan when using the equipment.

- EQUIPMENT IS SUBJECTED TO A FALL:** Remove the equipment from service immediately if it has been subjected to the force of a fall arrest. Contact your distributor or Ritz Fall Protection about policies regarding replacement of Ritz Fall Protection components involved in a fall incident.

Inspection:

- Only the manufacturer of this equipment or persons or entities authorized in writing by the manufacturer must repair the fall protection equipment.
- The date of first inspection should be recorded by the employer on the equipment, and any serial number must be recorded on the owner's Inspection Log.
- Formal inspections must be made either by a Competent or a Qualified Person on (at least) a semi-annual basis.

Prior To Each Use:

- Fall protection equipment must be inspected by the user for defects, damage, or deterioration.
- Any suspected defective equipment must be removed from service immediately.
- If the manufacturer's label is not legible or is missing, the equipment must be removed from service.
- Fall protection equipment must 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 must be administered only by a Ritz Fall Protection representative or person or entity authorized by Ritz Fall Protection. Contact Ritz Fall Protection to request equipment maintenance and/or repair. Cleaning after use is important for maintaining the safety and life of the equipment. Clean 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.

WARNING:
Consult with your doctor if there is reason to doubt your fitness to safely absorb the shock from a fall arrest, Age, fitness, and health conditions can seriously affect a worker's ability to withstand falls. Pregnant women and minors must not use any Ritz Fall Protection equipment.

10. DESCRIPTION OF PRODUCT:

Retractable: All Ritz Fall Protection Retractable are hereby referred to as Self Retracting Lifelines (SRL). The device is used to safely expand the working area where a harness with a 6 ft. lanyard is not adequate. Also, a SRL is designed to reduce the shock loading to the body of a worker by limiting the distance of a fall. The device allows for complete freedom of movement. This product is to be used as part of a complete fall arrest system. Personal fall arrest system normally include the use of a full body harness, anchorage connector such as a carabiner and the SRL.

PART LIST	
S.NO.	ITEM/ DESCRIPTION
A	RATCHET CASING
B	PLAIN CASING
C	ANCHORAGE EYE
D	GALVANIZED WIRE ROPE Ø4.8mmx15m
E	SNOUT
F	THIMBLE
G	DAMPER GUIDE
H	FERRULE
I	WEBBING 25mm
J	WEBBING GUIDE
K	SWIVEL STEEL SNAP HOOK (144)

Ritz Fall Protection Self Retracting Lifeline: Includes a swivel eye anchorage, self-locking swivel snap hook with impact indicator, and 3/16" galvanized wire cable/1" Polyester Webbing. SRL also comes with a Karabiners and tag line to be used with the device to avoid improper use.

Note: Impact indicator/Load indicator deploys in case of fall and shows red mark at swivel end of the hook, this red indicator width/opening may vary from 2mm to 10mm for different hooks. In case of deployment observed, please withdraw the unit from service.

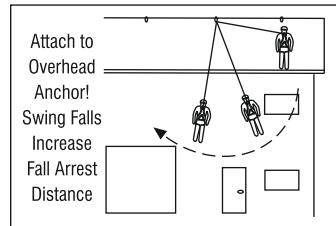
11. PRODUCT APPLICATION INFORMATION: The SRL is used in a stationary or mobile manner. As a stationary device, the SRL would be mounted to an approved fixed anchorage connector directly overhead. The SRL would extend as the user moves away from the anchor point and it retracts as the user moves back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

12. 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, tool, etc.) of 90 lbs. (41 kg) minimum and no more than 310 lbs. (140 kg) 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. When using in such environment the product 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 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 line.
- 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.

Considers when calculating distance:

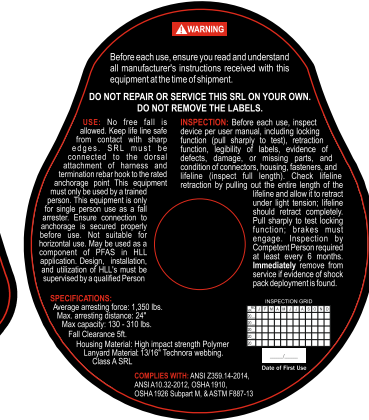
- Distance of Deceleration
- Movement of harness attachment element (D-ring)
- Free Fall Distance
- Worker Height
- (Worker's height could affect the free fall distance)
- Elevation of Anchorage Connector
- Lengths of Connecting Subsystems



13. 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 a swing fall by working as close to the anchorage point as possible. Do not permit a swing fall if injury could occur. Swing fall 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.

MARKINGS:



- **Inspecting The Cable :** 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 Ritz Fall Protection or authorized repair center.
 - **Cutting:** Movement over sharp edges or other objects while the cable is under tension results in damaged strands and broken wires. If, through inspection of the retractable lifeline prior to each use, it is found to have any broken strand, immediately remove from service and return to Ritz Fall Protection or an authorized repair center.
 - **Abrasion:** Abrasion can result from normal wear. Particular attention must be paid to the outer wire strands as they with each use, it is found have damage or deterioration from abrasion, immediately remove from service and return to Ritz Fall Protection 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 Ritz Fall Protection 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.

18. 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 Ritz Fall Protection 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 rescue quickly and safely.

19. INSTALLATION REQUIREMENTS: The following requirements outline the proper installation procedures to be followed

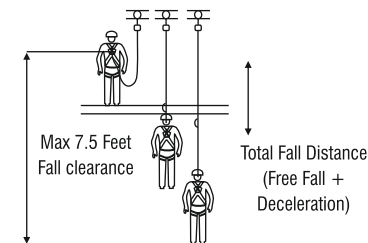
- **Location:**
 - Select a location on an appropriate strength anchorage that will provide overall safety and proper loading. The anchorage must be free of deformities or defects that may weaken the structure. The anchorage to which the SRL is attached must be capable of sustaining static load in the directions applied by the personal fall arrest systems of at least 3,600 lbs. with certification of a qualified person, or 5,000 lbs. 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 ensures that there is constant tension on the cable. Slack in the cable could result in an increase in fall distance. Movenormally 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 can result in injury or possibly death.**
 - Keep these instructions for reference.

WARNING:

- If inspection reveals an unsafe or defective condition, remove the Self Retracting Lifeline from service and send it back to Ritz Fall Protection or an authorized repair center.
- **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. Training should be conducted without exposing anyone to a fall hazard. Training should be repeated on a periodic basis in accordance with your organization policy and compliance with OSHA regulations.
- To maintain the longevity of the self-retractable blocks, Ritz Fall Protection strongly recommends to get them serviced at a Ritz Fall Protection Authorized Service Center only. If not, Ritz Fall Protection shall not be liable for any warranty claims.
- Alternation or misuse of this product or failure to follow instructions may lead to serious injury or even death.

14. SYSTEM REQUIREMENTS:

- **Compatibility of Components:** Ritz Fall Protection Fall Protection equipment is designed to be used with Ritz Fall Protection approved components. Please contact Ritz Fall Protection if you have a question regarding compatibility. Making substitutions without approval from Ritz Fall Protection may lead to injuries and or death by compromising the safety and reliability of any component or that of the complete system. A qualified and competent person can make a determination on compatibility of equipment from different manufacturers. If in doubt, please contact Ritz Fall Protection 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 Karabiners 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 Ritz Fall Protection Fall Protection equipment. Do not use equipment that is not compatible. If you have any questions on compatibility, please contact Ritz Fall Protection.



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.

• **Standard SRL (When Used Vertically) Clear Fall Issue**

- **Class 1- Where overhead anchorage is available.**
 - **42"** – Maximum Arrest Distance
 - **36"** 3ft safety factor to include D-ring slide/harness give and buffer to ground below.
 - **60"** (5ft) required clear fall as measured from the walking/working surface to the nearest obstruction/ground below
- **Class 2- Where overhead anchorage is not available.**
 - **42"** – Maximum Arrest Distance
 - **36"** 3ft safety factor to include D-ring slide/harness give and buffer to ground below.
 - **96"** (7.5ft) required clear fall as measured from the walking/working surface to the nearest obstruction/ground below

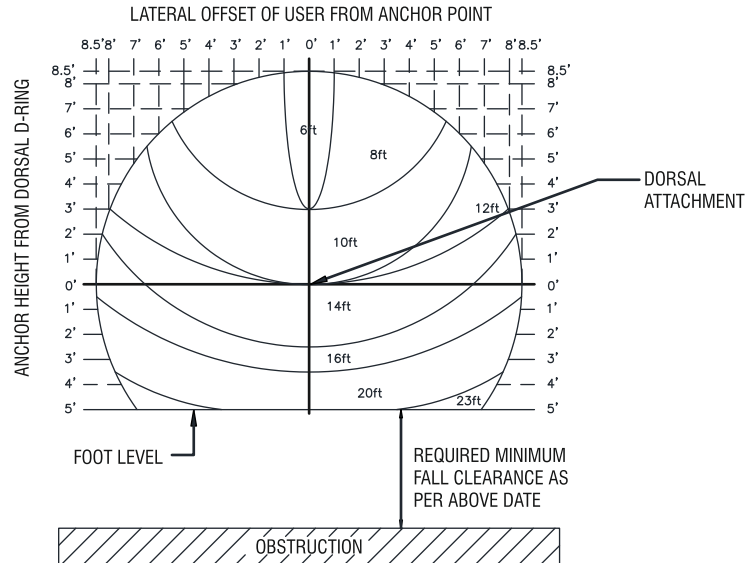
15. PERSONAL FALL ARREST INFORMATION:

Personal Fall Arrest System: 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 Ritz Fall Protection 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.

FALL CLEARANCE CHART FOR SRL-P



16. 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 3,600 lbs. with certification of a qualified person, or 5,000 lbs. without certification. Refer to OSHA and ANSI for specific definition. This device is only to 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 the SRL is used in conjunction with a horizontal system or with Megapod, 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 is 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:** 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 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 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 Ritz Fall Protection Fall Protection if you have questions on a particular application involving one of our retractable.
- **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 insult 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 Ritz Fall Protection manufactured energy absorbing device can be added to aid in reducing the impact forces on the entire device. For more details contact Ritz Fall Protection.

17. INSPECTION OF SELF RETRACTING LIFELINES:

- **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 the inspection results in the inspection and maintenance log at the end of this manual. OSHA 1910.66, OSHA 1926.502 and ANSI Z359.14 requires an inspection of equipment before each use. Before using this equipment, record the serial number information from the label in the inspection and maintenance log at the end of this manual.
- **Annually:** ANSI requires a formal inspection of the SRL be completed by a competent person other than the user at least twice a year. More formal and frequent inspections may be required based upon the severity and environmental conditions of the workplace. Ritz Fall Protection Retractable, unless otherwise marked, are required to be recertified every two years from the date of first use.
- Equipment shall be inspected by the authorized person or rescuer before each use. Additionally, inspections shall be conducted by a competent person other than the user.
- When an inspection reveals failure to lock, the constituent line is pulled out rapidly, in order to stimulate the fall arrest.

WARNING:

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

- **After a Fall Arrest:** Inspect the impact indicator on the snap hook of the SRL and look for an exposed red color band. Do not attempt to reset the impact indicator. Remove the retractable from service immediately and return to Ritz Fall Protection or an authorized repair center. If using a retractable with a webbed lifeline, then inspection of the shock pack is required. Remove retractable from service if there are any deformation, elongation or other signs of the shock pack being torn or deployed. If inspection reveals an unsafe condition, remove unit from service immediately and destroy, or contact an authorized service center for repair.
- **Inspecting The Self Retracting Lifeline:**
 - STEP 1:** Inspect for loose screws and bent or damaged parts.
 - STEP 2:** Inspect housing for distortion, cracks or other damage Ensure the swivel eye is not damaged or distorted in anyway. Make sure the swivel eye turns freely.
 - STEP 3:** The lifeline must fully extend and retract without hesitation or creating a slack line condition.
 - STEP 4:** Ensure the device locks up when lifeline is jerked sharply.
 - STEP 5:** Ensure the labels must be present and fully legible with inspection log information completed.
 - STEP 6:** Look for signs of corrosion on the entire unit.
 - STEP 7:** Wire rope inspection must include identifying cut kinks, broken wires, bird-caging, corrosion, welding splatter, chemical damage, or severely abraded areas. Check all thimbles etc... for excessive wear including cracks or separation of metal components.
 - STEP 8:** Webbed lifeline inspection must include identifying frayed strands, broken webbing, burns, cuts, and abrasions. Inspect for excessive heat, paint build-up, soiling rust, or chemical damage indicated by brown or discolored areas.
 - STEP 9:** Inspect connecting hooks or Karabiners for signs of damage, corrosion or excessive wear.
 - STEP 10:** Record inspection results in the inspection and maintenance log found in this manual. Clearly check off month the SRL was inspected on the label of the housing.

