

READ CAREFULLY!

INSTRUCTION, CARE & MAINTENANCE GUIDE

Self-Retracting Devices/Lifelines



SRD-30G



SRD-50G
SRD-65G

Applicable Models:

SRD-30G

SRD-50G

SRD-65G

Complies with:

ANSI Z359.14-2021 Standard

OSHA 29 CFR 1910 & 1926 Regulations

These instructions must be provided to the user of the equipment.

WARNING

You must read and fully understand all instructions, or have all instructions explained to you, before attempting to use this equipment. 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, Inc. at 800-405-9048.

 **IMPORTANT: THESE INSTRUCTIONS SHOULD BE KEPT WITH THE DEVICE AT ALL TIME**



WARNING

- Inspect the product before each use and after any fall event, in accordance with the procedures specified in these instructions.
- If inspection reveals an unsafe or defective condition, remove the product from service immediately and clearly tag it "DO NOT USE". Destroy or repair the product as required by these instructions.
- Any product that has been subject to fall arrest or impact force must be immediately removed from service. Destroy or repair the product as required by these instructions.
- Ensure that Fall Protection systems assembled from components made by different manufacturers are compatible and meet all applicable Fall Protection regulations, standards, or requirements. Always consult a Competent or Qualified Person before using these systems.
- Do not twist, tie, knot, clamp off or stand on lifeline nor allow lifeline to become slack during use.
- DO NOT attach anything to the snaphook at the end of the retractable lifeline to extend its length beyond its designed length.
- NEVER allow lifeline to cross under or wrap around the legs, arms, neck or torso of the user or other workers, moving machinery, other surrounding objects.
- DO NOT attach more than one worker to the device.
- NEVER work above the anchor point.
- DO NOT use in applications that have an obstructed fall path or where engulfment hazards exist.
- AVOID sudden or quick movements during work operation that may cause the SRD to lock unintentionally.
- Use appropriate edge protection when the product may contact sharp edges or abrasive surfaces.
- Ensure the product is configured and installed properly for safe operation as described in these instructions.
- Your health and physical condition must allow you to safely work at height and to withstand all forces associated with a fall arrest event. Consult your doctor if you have questions regarding your ability to use this equipment.
- Never exceed the allowable capacity of your Fall Protection equipment.
- Never exceed the maximum free fall distance specified for your Fall Protection equipment.
- Do not use any Fall Protection equipment that fails inspection, or if you have concerns about the use or suitability of the equipment. Contact Gemtor, Inc. if you have any questions.
- Some subsystem and component combinations may interfere with the operation of this equipment. Only use compatible connections. Contact Gemtor, Inc. before using this equipment in combination with components or subsystems other than those described in these instructions.
- Use extra precautions when working around moving machinery, electrical hazards, extreme temperatures, chemical hazards, explosive or toxic gases, sharp edges, abrasive surfaces, or below overhead materials that could fall onto you or your Fall Protection equipment.
- Ensure use of your product is rated for the hazards present in your work environment.
- Ensure there is sufficient fall clearance when working at height.
- DO NOT attempt to adjust, repair or modify Gemtor Self-Retracting Lifelines; for prompt repair or reconditioning, contact Gemtor, Inc. for return authorization and instructions.
- Before using Fall Protection equipment, ensure a written rescue plan is in place to provide prompt rescue if a fall incident occurs.
- If a fall incident occurs, immediately seek medical attention for the fallen worker.
- Only use a full body harness for Fall Arrest applications. Do not use a body belt.
- ALWAYS work directly under the anchor point. Worker must be vertically in line with device to avoid swing-fall injuries (pendulum effect).
- DO NOT use for lifting or towing.
- DO NOT use as a work positioning device.
- Always wear appropriate Personal Protective Equipment when installing, using, or inspecting the product.
- Never work below a suspended load or worker.
- Always maintain 100% tie-off.

DESCRIPTION:

Gemtor G-Force personal fall protection device with 30 ft., 50 ft. or 65 ft. of 3/16" galvanized cable on a spring-wound drum with a centrifugal braking system. The housing is made of engineered nylon. The device allows maximum freedom of movement and stops a worker within 30" (including deceleration distance) if a fall occurs.

Gemtor, G-Force Self-Retracting Lifelines (SRLs) are part of a complete fall protection system which should consist of:

- 1) An anchorage point meeting OSHA requirements and ANSI Standards for retracting lifelines.
Anchorage 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)]. See page 6 for more information
- 2) A locking connector (such as the supplied locking carabiner) to mount the SRL device to the anchorage point.
- 3) A Gemtor G-Force Self-Retracting Lifeline.
- 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.

All users must be fully trained in the safe installation and operation of their complete Fall Protection system. Misuse of this product could result in serious injury or death. For proper selection, operation, installation, maintenance, and service, refer to all instruction manuals and manufacturer recommendations. For more information, contact Gemtor, Inc.

AVAILABLE MODELS:

SRD-30G Self-retracting lifeline w/ 30 ft. of galvanized cable.

SRD-50G Self-retracting lifeline w/ 50 ft. of galvanized cable.

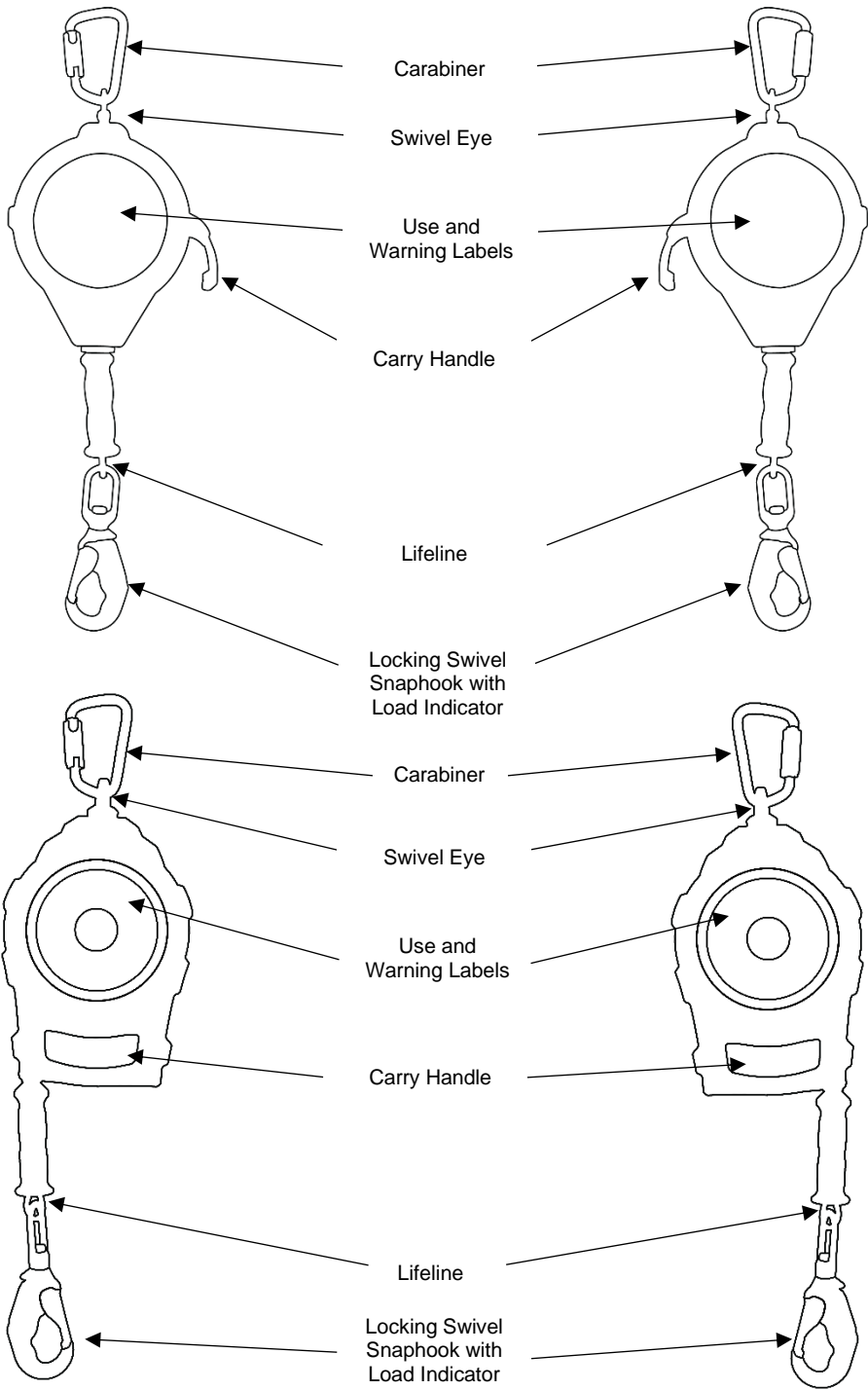
SRD-65G Self-retracting lifeline w/ 65 ft. of galvanized cable.

SPECIFICATIONS:

Model #	SRD-30G	SRD-50G	SRD-65G
Capacity Range	130-310* lbs. (59-140kg)	130-310* lbs. (59-140kg)	130-310* lbs. (59-140kg)
Lifeline Length	30' (9.1m)	50' (15.2m)	65' (20m)
Lifeline Diameter	3/16" (5mm)	3/16" (5mm)	3/16" (5mm)
Lifeline Strength	4200 lbs. (1905kg)	4200 lbs. (1905kg)	4200 lbs. (1905kg)
Lifeline Material	galv. steel cable	galv. steel cable	galv. steel cable
Brake system	Stainless Steel	Stainless Steel	Stainless Steel
Housing Material	engineered nylon	engineered nylon	engineered nylon
ANSI Z359.14 Class	1	1	1
Max. Arresting Force	<1800 lbs. (8kN)	<1800 lbs. (8kN)	<1800 lbs. (8kN)
Avg. Arresting Force	<1350 lbs. (6kN)	<1350 lbs. (6kN)	<1350 lbs. (6kN)
Max. Arrest Distance	≤ 30" (610mm)	≤ 30" (610mm)	≤ 30" (610mm)
Weight	12.6 lbs.	15.2 lbs.	19.5 lbs.

*The SRD is designed for use by persons with a combined weight (clothing, tools, etc.) ranging from 130 lbs. (59kg) to 310 lbs. (140kg). Make sure all the components in your system are rated to an appropriate capacity for the application. **NOTE:** 130-310 lbs. (59-140kg.) is the capacity range allowed by ANSI Z359.14. This SRD has been designed and tested to a capacity of 350 lbs. (159kg) For weights between 310-350 lbs. (140-159kg) use Max. Arrest Distance ≤42" (1,372mm) to calculate potential fall distances.

COMPONENTS AND LABEL LOCATIONS:



PRODUCT LABELS:

GForce SRL

Class 1
Anchor at or above dorsal D-ring

Model #: SRD-30G
Lot #: SAMPLE
Serial #: SAMPLE
Date: SAMPLE

Personal Fall Arrest Device

Meets: OSHA, ANSI A10.32-2012, ANSI Z359.14-2021

**DO NOT ATTEMPT TO SERVICE OR REPAIR!
DO NOT REMOVE LABELS!**

WARNING:
Before each use, user must: Read, Understand and Follow all instructions and cautions provided with equipment. Alterations or misuse of this product or failure to follow instructions may result in serious injury or death.

GEMTOR™

Gemtor, Inc.
www.gemtor.com
800-405-9048
G-SRD30-1 Rev B

USE: NEVER use this device near electrical lines or equipment. Unit must always be rigged to eliminate the possibility of a free fall. NEVER attach anything to the end of the lifeline to extend its length. SRL must always be positioned at or above harness D-ring. Avoid lifeline contact with sharp edges or abrasive surfaces. For use by properly trained personnel only. Device must only be used for the specific purpose for which it is intended. DO NOT use for material handling. This device is only for use by one person at a time as a fall arrester. Anchorage must support 5,000 lbs. (two times the maximum arresting force for certified anchorages). Locking type connectors shall be used for connection to anchorage point. This unit is suitable for use with horizontal lifelines. Device must be attached directly above work area to reduce swing fall hazard. Suitable for horizontal use.

ALWAYS visually check that: 1. Each snaphook/connector freely engages the D-ring or anchor point. 2. Keeper is completely closed and locked with each use. NEVER rely on the feel or sound of a connector engaging. CHECK attachment method to make sure it cannot bring pressure on the connector gate in a manner to permit accidental opening.

INSPECTION: Inspect unit prior to each use. Refer to owner's manual for detailed inspection procedures. Inspect for any signs of damage, wear or malfunctioning components and legibility of labels. Check lifeline retraction by pulling out a minimum four (4) feet of lifeline and allowing it to retract under light tension; the lifeline should retract completely. Pull sharply to test locking function; the lifeline must stop and lock. Pull all lifeline out of housing; check for cuts, kinks, broken strands, excessive wear, foreign substances or other damage. Connectors shall not be distorted or have any sharp edges, burrs, cracks, worn parts or corrosion. The gate spring shall provide tension to close the gate in locked position. Inspect the impact indicator for signs of activation. Device must be removed from service if the unit is damaged, has been subjected to a fall, does not pass inspection, the impact indicator has been activated or the unit has not been inspected by a competent person within the last 6 months.

SPECIFICATIONS:
ANSI Capacity Range: 130-310 lbs. (59-141 kg)
OSHA Capacity: 350 lbs. (160 kg)
Lifeline Material: 7x19 galv. steel cable Dia: 3/16 in. (4.75 mm)
Max. Arrest Distance: 30 in. (762 mm)
Max. Arrest Force: 1800 lbs (8 kN)
Avg. Arrest Force: 1350 lbs (6 kN)
Max. Allowable Free Fall: 2 ft. (0.6 m)
Working Length: 30 ft. (9.15 m)
Min. Fall Clearance: 6.5 ft. (2 m)

Made in Taiwan
G-SRD30-2 Rev B

Date of first use

GForce SRL

Class 1
Anchor at or above dorsal D-ring

Model #: SRD-50G
Lot #: SAMPLE
Serial #: SAMPLE
Date: SAMPLE

Personal Fall Arrest Device

Meets: OSHA, ANSI A10.32-2012, ANSI Z359.14-2021

**DO NOT ATTEMPT TO SERVICE OR REPAIR!
DO NOT REMOVE LABELS**

WARNING:
Before each use, user must: Read, Understand and Follow all instructions and cautions provided with equipment. Alterations or misuse of this product or failure to follow instructions may result in serious injury or death.

GEMTOR™

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www.gemtor.com
800-405-9048
G-SRD50-1 Rev B

USE: NEVER use this device near electrical lines or equipment. Unit must always be rigged to eliminate the possibility of a free fall. NEVER attach anything to the end of the lifeline to extend its length. SRL must always be positioned at or above harness D-ring. Avoid lifeline contact with sharp edges or abrasive surfaces. For use by properly trained personnel only. Device must only be used for the specific purpose for which it is intended. DO NOT use for material handling. This device is only for use by one person at a time as a fall arrester. Anchorage must support 5,000 lbs. (two times the maximum arresting force for certified anchorages). Locking type connectors shall be used for connection to anchorage point. This unit is suitable for use with horizontal lifelines. Device must be attached directly above work area to reduce swing fall hazard. Suitable for horizontal use.

ALWAYS visually check that: 1. Each snaphook/connector freely engages the D-ring or anchor point. 2. Keeper is completely closed and locked with each use. NEVER rely on the feel or sound of a connector engaging. CHECK attachment method to make sure it cannot bring pressure on the connector gate in a manner to permit accidental opening.

INSPECTION: Inspect unit prior to each use. Refer to owner's manual for detailed inspection procedures. Inspect for any signs of damage, wear or malfunctioning components and legibility of labels. Check lifeline retraction by pulling out a minimum four (4) feet of lifeline and allowing it to retract under light tension; the lifeline should retract completely. Pull sharply to test locking function; the lifeline must stop and lock. Pull all lifeline out of housing; check for cuts, kinks, broken strands, excessive wear, foreign substances or other damage. Connectors shall not be distorted or have any sharp edges, burrs, cracks, worn parts or corrosion. The gate spring shall provide tension to close the gate in locked position. Inspect the impact indicator for signs of activation. Device must be removed from service if the unit is damaged, has been subjected to a fall, does not pass inspection, the impact indicator has been activated or the unit has not been inspected by a competent person within the last 6 months.

SPECIFICATIONS:
ANSI Capacity Range: 130-310 lbs. (59-141 kg)
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Max. Arrest Force: 1800 lbs (8 kN)
Avg. Arrest Force: 1350 lbs (6 kN)
Max. Allowable Free Fall: 2 ft. (0.6 m)
Working Length: 30 ft. (9.15 m)
Min. Fall Clearance: 6.5 ft. (2 m)

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G-SRD50-2 Rev B

Date of first use

INSTALLATION:

- 1) To minimize the possibility of a swing fall hazard, install the device directly over the work area (see fig 5, page 10.)
- 2) Attach the device to the anchor point (must meet OSHA requirements) using a locking connector.
- 3) Attach the locking snaphook at end of lifeline 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.

ANCHORAGE REQUIREMENTS:

OSHA Requirements:

Anchorage 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 or it must be designed, installed, and used as part of a complete fall arrest system which maintains a safety factor of two and under the supervision of a qualified person. [OSHA 1926.502(d)(15)]

ANSI Z359.2 Requirements:

Anchorage selected for fall arrest systems shall have a strength capable of sustaining static loads applied in the directions permitted by the system:

- A) no less than 5,000 pounds (22.2kN) for non-certified anchorages; or
- B) at least two times the maximum arresting force for certified anchorages;
- C) according to ANSI/ASSE Z359.6, Specifications and Design Requirements for Active Fall Protection Systems.

When more than one fall arrest system is attached to an anchorage, the strengths set forth in (A) or (B) above shall be multiplied by the number of systems attached to the anchorage.

CONNECTION REQUIREMENTS:

Use only connecting devices containing locking snaphooks or locking carabiners. Connect in a manner that limits free fall to the shortest possible distance: 6 ft (1.8 m) maximum. Always visually check that each snap hook and carabiner freely engages the harness D-ring or anchor point/anchorage connector, and that its gate (keeper) is completely closed and locked. Never disable or restrict locking keeper or alter connecting device in any way. Make sure snaphook/carabiner is positioned so that its gate is never load bearing.

Never allow a lifeline to pass under or entwine around the user's arms, legs, neck or any other obstacle.

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. [OSHA 1926.503(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)]

COMPONENT COMPATIBILITY:

Gemtor equipment is designed for use with Gemtor equipment. Use with other than Gemtor equipment must be approved by a Competent Person. Use of non-approved equipment may jeopardize equipment compatibility and may affect the safety and reliability of your fall protection system. Read and follow all instructions and warnings for all equipment being used prior to use.

MAKING CONNECTIONS: Only use self-locking connectors with this equipment. Only use connectors that are suitable for each application. Ensure all connections are compatible in size, shape, and strength. Do not use equipment that is not compatible. Visually ensure all connectors are fully closed and locked.

INSPECTION:

FREQUENCY OF INSPECTION: The product shall be inspected before each use by the user and, additionally, by an OSHA defined Competent Person other than the user at intervals of no more than one year. The frequency of periodic inspection by a Competent Person should be established 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.

BEFORE EACH USE: Inspect the entire fall arrest unit for any indication of damage, wear or malfunction to include but not limited to, worn cable 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).

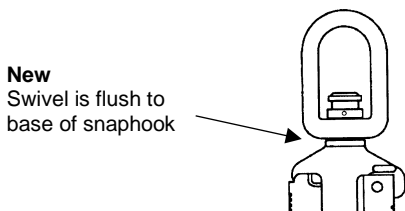


Fig. 1

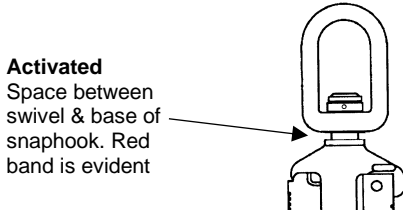


Fig. 2

STRESS INDICATOR: Your retractable lifeline has been supplied with a stress indicator as shown above. It is located at the end of the lifelines cable, as an integral part of the locking swivel snaphook. When new, the stress indicator appears as shown in fig. 1. If subjected to a fall arrest impact (activated), it will appear as shown in fig 2. DO NOT USE if the stress indicator has been activated.

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 LIFELINE/CABLE: Pull all the cable out of the housing and allow it to retract slowly under light tension. While the lifeline is retracting, check for cuts, kinks, knots, broken strands, bird-caging, excessive wear, corrosion, welding damage, foreign substances, or other damage.

LOCKING MECHANISM: The SRD utilizes an acceleration based locking mechanism. The locking function requires a certain payout rate during a fall to function correctly. Certain situations, confined or cramped spaces, shifting footing such as sand, gravel, grain, or a sloped surface may not allow the lifeline to reach sufficient speed to activate the lock mechanism. A clear path is required to assure positive locking of the SRD. Ensure the lock is functioning properly. Pull approximately two (2) feet of cable out of the housing and give it a quick hard tug. The device should lock and remain locked until you release the cable.

CHECK LIFELINE RETRACTION BEFORE EACH USE: Pull approximately four (4) feet of cable out of the housing and allow it to retract; maintain slight tension on lifeline. The cable should retract smoothly and completely. Do not allow lifeline/cable 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, the stress indicator shall not be activated.

DO NOT attempt to adjust, disassemble, repair or modify Gemtor SRDs/self-retracting lifelines.

FALL CLEARANCE (FC) CALCULATION:

Use the figures and charts below and on the following pages to calculate minimum required Fall Clearance.

The following factors must be accounted for when determining minimum required Fall Clearance:

Freefall Distance, Deceleration Distance, Harness Stretch, Swing Fall and Safety Factor. The user should work directly below the SRD whenever possible. This will reduce the possibility of a swing fall and keep the required fall clearance as short as possible. Figure 3 below demonstrates the factors that affect required Fall Clearance when the worker is vertically in line (working directly under) with the anchor point. In this case, Fall Clearance is the sum of Free Fall Distance, Deceleration Distance, Harness Stretch and Safety Factor.

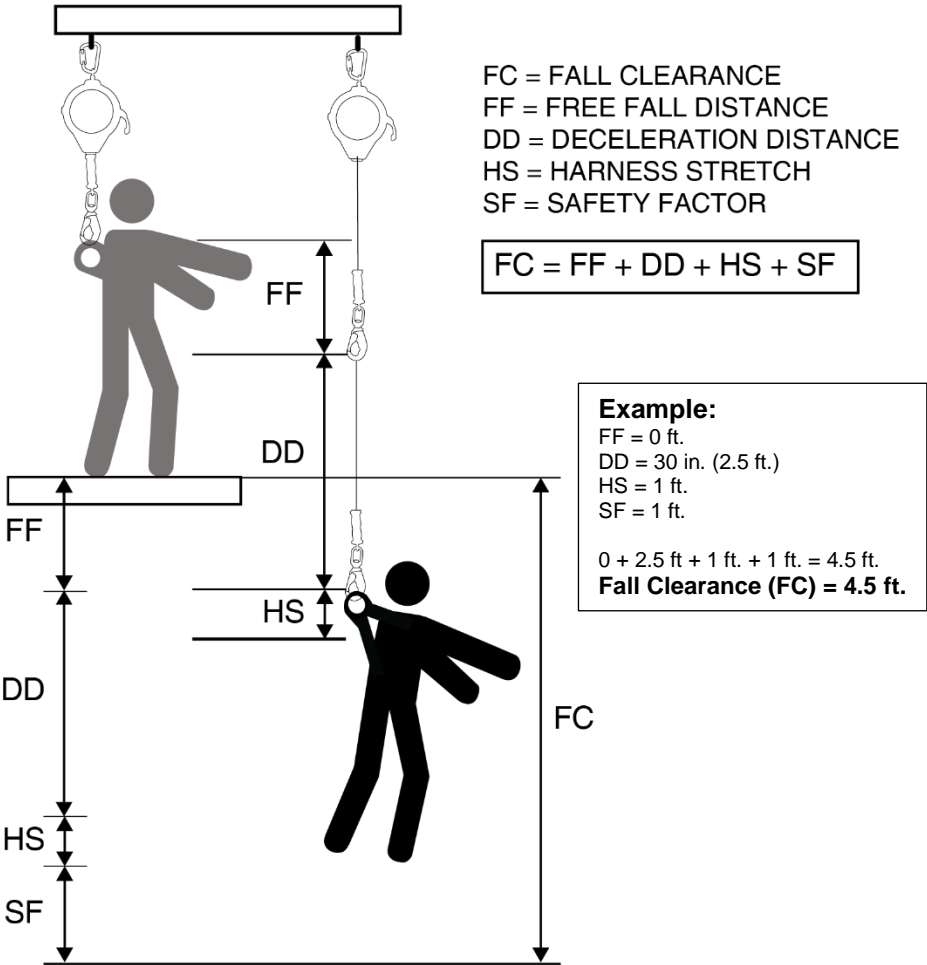


Fig. 3

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. Striking an object horizontally or a lower level due to pendulum effect may cause serious injury or death. Total fall distance is greater in a swing fall than in a vertical fall. The required fall space increases as the horizontal offset distance increases relative to anchorage height (offset angle from vertical). Ensure that you account for the added distance when calculating Minimum Required Fall Space.

The Fall Clearance Chart on the next page uses the following values, the required Fall Clearance may need to be adjusted based on the actual condition present at the worksite.

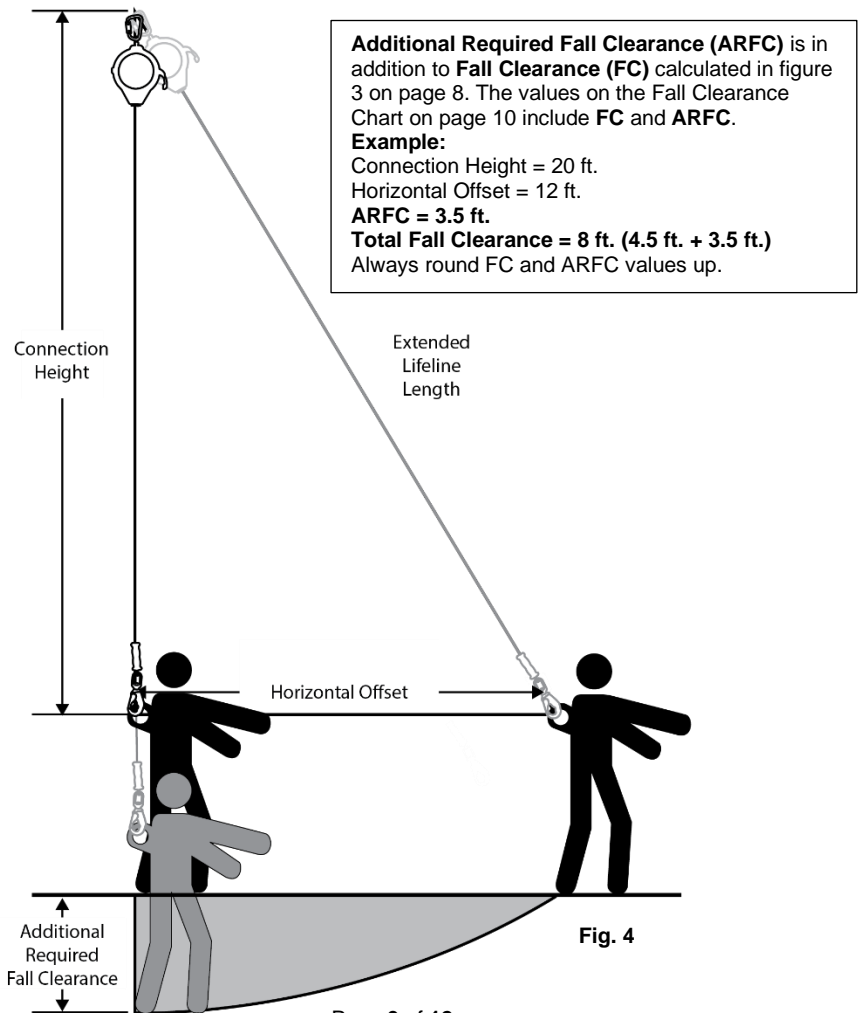
User Height = 6 ft. (1.8 m) Kneeling, crouching, or bending will reduce effective user height and will require an additional 3 ft. (.9 m) of Fall Clearance lying down will require an additional 5 ft. (1.6 m) of Fall Clearance.

Harness Stretch = 1 ft. (0.3 m)

Safety Factor = 1 ft. (0.3 m)

Maximum Arrest Distance/Deceleration Distance = 30 in. (0.8 m) This value is determined through product testing and can be found on the product labels. If the user's weight is between 310-350 lbs. (140 -159 kg) use 42 in. and add 1 ft. (0.3 m) to Required Fall Clearance and Additional Required Fall Clearance and to the values in Table 1 on page 10.

ADDITIONAL REQUIRED FALL CLEARANCE (ARFC):



FALL CLEARANCE CHART:

Anchorage Height Above Dorsal D-ring Connection is measured from the users D-ring which must be located at the center of their back at or above shoulder level. The Horizontal Offset Distance is measured from the point directly below the centerline of the SRD mounting point to the edge of the work platform from where the worker can potentially fall. See figure 4 for more details.

Horizontal Offset Distance													
	0 ft. (0 m)	2 ft. (.7 m)	4 ft. (1.3 m)	6 ft. (1.9 m)	8 ft. (2.5 m)	10 ft. (3.1 m)	12 ft. (3.7 m)	14 ft. (4.3 m)	16 ft. (4.9 m)	18 ft. (5.5 m)	20 ft. (6.1 m)	22 ft. (6.8 m)	24 ft. (7.4 m)
Anchorage Height Above Dorsal D-ring Connection	0 ft. (0 m)	4.5 ft. (1.4 m)	6.5 ft. (2.0 m)										
	5 ft. (1.6 m)	4.5 ft. (1.4 m)	5 ft. (1.5 m)	6 ft. (1.9 m)	7.5 ft. (2.3 m)	9 ft. (2.7 m)							
	10 ft. (3.1 m)	4.5 ft. (1.4 m)	5 ft. (1.5 m)	5.5 ft. (1.7 m)	6.5 ft. (2.0 m)	7.5 ft. (2.3 m)	9 ft. (2.7 m)						
	15 ft. (4.6 m)	4.5 ft. (1.4 m)	5 ft. (1.5 m)	5.5 ft. (1.7 m)	6 ft. (1.9 m)	6.5 ft. (2.0 m)	8 ft. (2.4 m)	9 ft. (2.7 m)					
	20 ft. (6.1 m)	4.5 ft. (1.4 m)	5 ft. (1.5 m)	5 ft. (1.5 m)	5.5 ft. (1.7 m)	6.5 ft. (2.0 m)	7 ft. (2.1 m)	8 ft. (2.4 m)	9 ft. (2.7 m)				
	25 ft. (7.7 m)	4.5 ft. (1.4 m)	5 ft. (1.5 m)	5 ft. (1.5 m)	5.5 ft. (1.7 m)	6 ft. (1.9 m)	6.5 ft. (2.0 m)	7.5 ft. (2.3 m)	8.5 ft. (2.6 m)	9.5 ft. (2.9 m)			
	30 ft. (9.2 m)	4.5 ft. (1.4 m)	5 ft. (1.5 m)	5 ft. (1.5 m)	5.5 ft. (1.7 m)	6 ft. (1.9 m)	6.5 ft. (2.0 m)	7 ft. (2.1 m)	8 ft. (2.4 m)	8.5 ft. (2.6 m)	9.5 ft. (2.9 m)		
	35 ft. (10.7 m)	4.5 ft. (1.4 m)	5 ft. (1.5 m)	5 ft. (1.5 m)	5.5 ft. (1.7 m)	5.5 ft. (1.7 m)	6 ft. (1.9 m)	6.5 ft. (2.0 m)	7.5 ft. (2.3 m)	8 ft. (2.4 m)	9 ft. (2.7 m)	10 ft. (3.0 m)	
	40 ft. (12.2 m)	4.5 ft. (1.4 m)	5 ft. (1.5 m)	5 ft. (1.5 m)	5 ft. (1.5 m)	5.5 ft. (1.7 m)	6 ft. (1.9 m)	6.5 ft. (2.0 m)	7 ft. (2.1 m)	8 ft. (2.4 m)	8.5 ft. (2.6 m)	9.5 ft. (2.9 m)	
	45 ft. (13.8 m)	4.5 ft. (1.4 m)	5 ft. (1.5 m)	5 ft. (1.5 m)	5 ft. (1.5 m)	5.5 ft. (1.7 m)	6 ft. (1.9 m)	6.5 ft. (2.0 m)	7 ft. (2.1 m)	7.5 ft. (2.3 m)	8 ft. (2.4 m)	9 ft. (2.7 m)	10 ft. (3.0 m)
	50 ft. (15.3 m)	4.5 ft. (1.4 m)	5 ft. (1.5 m)	5 ft. (1.5 m)	5 ft. (1.5 m)	5.5 ft. (1.7 m)	5.5 ft. (1.7 m)	6 ft. (1.9 m)	6.5 ft. (2.0 m)	7 ft. (2.1 m)	8 ft. (2.4 m)	8.5 ft. (2.6 m)	9.5 ft. (2.9 m)
	55 ft. (16.8 m)	4.5 ft. (1.4 m)	5 ft. (1.5 m)	5 ft. (1.5 m)	5 ft. (1.5 m)	5.5 ft. (1.7 m)	5.5 ft. (1.7 m)	6 ft. (1.9 m)	6.5 ft. (2.0 m)	7 ft. (2.1 m)	7.5 ft. (2.3 m)	8.5 ft. (2.6 m)	9 ft. (2.7 m)
	60 ft. (18.3 m)	4.5 ft. (1.4 m)	5 ft. (1.5 m)	5 ft. (1.5 m)	5 ft. (1.5 m)	5.5 ft. (1.7 m)	5.5 ft. (1.7 m)	6 ft. (1.9 m)	6.5 ft. (2.0 m)	7 ft. (2.1 m)	7.5 ft. (2.3 m)	8 ft. (2.4 m)	8.5 ft. (2.6 m)

Table 1

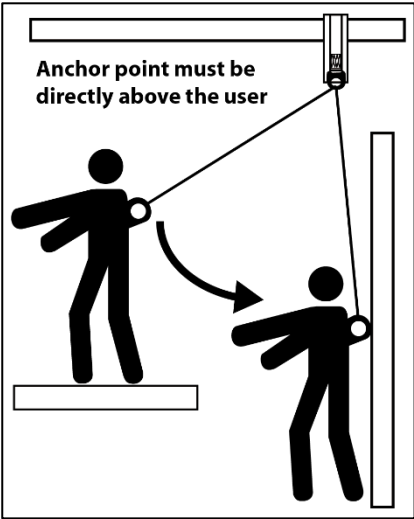


Fig. 5

OPERATING INSTRUCTIONS:

The SRD/SRL shall be mounted to an overhead anchor point which meets OSHA/ANSI requirements for retracting lifelines. 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 lifeline/cable 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 lifeline. In the event of a fall, a centrifugal brake mechanism is activated, and the fall is arrested within 30 inches*. Always allow the lifeline to retract completely when not in use. Use a tagline to pull the lifeline out of the housing that is connected to an anchorage that is 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**.

* see chart on page 3 for distances that apply to each model. This distance includes brake engagement distance and deceleration distance. This distance may be greater if these instructions are not followed or the rated capacity is exceeded. For user weights between 310-350 lbs. (140 - 159 kg) including tools and equipment, use 42 inches for maximum fall arrest distance/ deceleration distance.

FOR USE WITH HORIZONTAL LIFELINE SYSTEMS (HLL):

The SRDs covered by this manual of compatible for use with horizontal lifelines. Refer to the SRD label to ensure that it is compatible for use with horizontal lifelines. Refer to the manufacturer instructions of your horizontal lifeline system for more information on its compatibility with SRDs. SRDs may be used with a horizontal system only if both products allow for such use. The fall clearance values in this manual are based on a rigid, stationary anchorage. When using with a horizontal lifeline system, refer to the clearance calculations/charts associated with that equipment and use the fall arrest distance in this manual and on the SRD product label to calculate minimum required clearance.

HORIZONTAL USE:

The SRDs covered by these instructions are designed to operate in a horizontal orientation but are ANSI Class 1 SRDs and are therefore not designed/tested for use where the lifeline may come in contact with sharp or abrasive edges. Do not use these SRDs where the lifeline may come in contact with sharp or abrasive edges.

RESCUE PLAN:

The employer/user must have a written rescue plan and the means to implement and communicate that plan to users, authorized persons and rescuers.

MAINTENANCE, SERVICE AND STORAGE:

CLEANING: Periodically clean the lifeline and the housing of the product with water and a mild detergent solution. Rinse the product thoroughly then hang the device overhead and extract all of the lifeline from the device, allow it to slowly retract while wiping the lifeline with a clean cloth. Position the device so that water can drain out and allow it to air dry. Keep labels clean and legible.

SERVICE: Equipment that requires repair or is scheduled for maintenance should be tagged "**DO NOT USE**". The tag should not be removed until repair/maintenance is performed. Only Gemtor, inc. or a repair facility authorized in writing, may make repairs to the SRD. Do not attempt to disassemble the SRD or lubricate any parts.

STORAGE: Hang the SRD in a cool, dry, clean environment out of direct sunlight. Position the SRD so water can drain out. Avoid exposure to chemicals and chemical or caustic vapors. Thoroughly inspect the SRD after any period of extended storage.

INSPECTION LOG:

Model #: _____
Serial #: _____
Date of Purchase: _____
Date of First Use: _____

NOTES: _____

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 Lifelines; for prompt service, please contact:



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