



018-9000 and 018-9001 Rope Protector Instruction Manual



WARNING

This product is part of a personal fall arrest, work positioning, suspension or rescue system. The manufacturer's instructions must be provided to users of this equipment. The user must follow the manufacturer's instructions for each component of the system. The user must read and understand these instructions before using this equipment. Manufacturer's instructions must be followed for proper use and maintenance of this equipment. Alterations to this product, misuse of this product, or failure to follow instructions may result in serious injury or death.

IMPORTANT

Questions regarding the use, care, or suitability of this equipment for your application? Contact Safewaze.

IMPORTANT

Record identification information before using this product. Identification information may be found on the equipment label. This information should be recorded in the "Inspection Log" located at the back of this manual

This manual is intended to meet the manufacturer's instructions as required by ANSI Z359 and should be used as part of an employee training program as required by OSHA.

User Information

Date of First Use: _____

Serial#: _____

Trainer: _____

User: _____

Do not throw away these instructions!

Read and understand these instructions before using equipment!

INTRODUCTION

Thank you for purchasing the Safewaze 018-9000 / 018-9001 Rope Protector. This manual must be read and understood in its entirety, and used as part of an employee training program as required by OSHA or any applicable state agency. This manual and any other instructional material must be available to the user of the equipment. The user must understand how to safely and effectively use the 018-9000 / 018-9001, and all fall protection equipment used in conjunction with the Rope Protector

WORKER CLASSIFICATIONS

Understand the definitions of those who work in proximity of or may be exposed to fall hazards.

Qualified Person: "Qualified" means 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.

Competent Person: "Competent person" means 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.

Authorized Person: "Authorized person" means 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 job site.

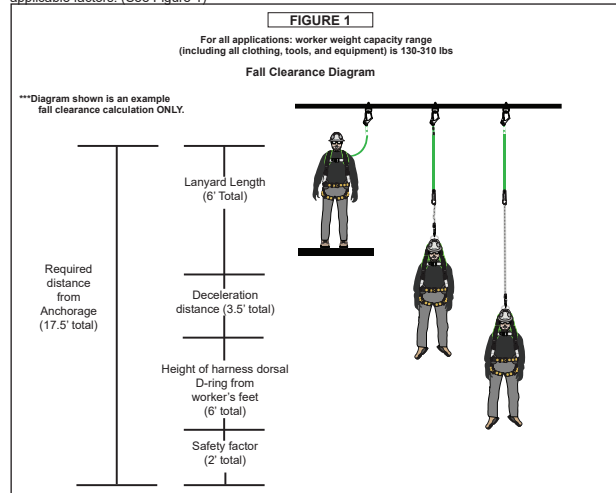
It is the responsibility of a Qualified or Competent person to supervise the job site and ensure safety regulations are complied with.

PRODUCT SPECIFIC APPLICATIONS

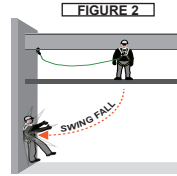
Purpose: The Safewaze 018-9000 / 018-9001 is designed to be used as part of a Personal Fall Arrest System (PFAS). These Rope Protectors are designed to provide enhanced protection for rope components of a PFAS, specifically if the rope will be in contact with an edge.

LIMITATIONS

Fall Clearance: There must be sufficient clearance below the anchorage connector to arrest a fall before the user strikes the ground or an obstruction. When calculating fall clearance, account for a MINIMUM 2' safety factor, deceleration distance, user height, length of lanyard/SRL, and all other applicable factors. (See Figure 1)



Swing Falls: Prior to installation or use, make considerations for eliminating or minimizing all swing fall hazards. Swing falls occur when the anchor is not directly above the location where a fall occurs. Always work as close to in line with the anchor point as possible. Swing falls significantly increase the likelihood of serious injury or death in the event of a fall. (See Figure 2)



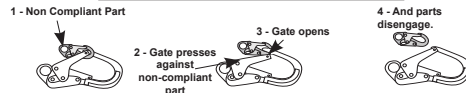
COMPATIBILITY OF CONNECTORS

Connectors are compatible with connecting elements when they have been designed to work together in such a way that their sizes and shapes do not cause their gate mechanisms to inadvertently open regardless of how they become oriented. Connectors (hooks, carabiners, and D-rings) must be capable of supporting at least 5,000 lbs. (22.2 kN). Connectors must be compatible with the anchorage or other system components (see Figure 4). **Do not use equipment that is not compatible.** Non-compatible connectors may unintentionally disengage (see Figure 3). Connectors must be compatible in size, shape, and strength. Self-locking snap hooks and carabiners are required by ANSI Z359 and OSHA guidelines. Contact Safewaze if you have any questions about compatibility.



NOTE: SOME SPECIALTY CONNECTORS HAVE ADDITIONAL REQUIREMENTS. CONTACT Safewaze WITH QUESTIONS.

FIGURE 3 - UNINTENTIONAL DISENGAGEMENT



Using a connector that is undersized or irregular in shape (1) to connect a snap hook or carabiner could allow the connector to force open the gate of the snap hook or carabiner. When force is applied, the gate of the hook or carabiner presses against the non-compliant part (2) and forces open the gate (3). This allows the snap hook or carabiner to disengage (4) from the connection point.

MAKING CONNECTIONS

Snap hooks and carabiners used with this equipment must be double locking and/or twist lock. Ensure all connections are compatible in size, shape and strength. Do not use equipment that is not compatible. Ensure all connectors are fully closed and locked.

Safewaze connectors (snap hooks and carabiners) are designed to be used only as specified in each product's user's instructions. See figure 4 for examples of inappropriate connections. Do not connect snap hooks and carabiners:

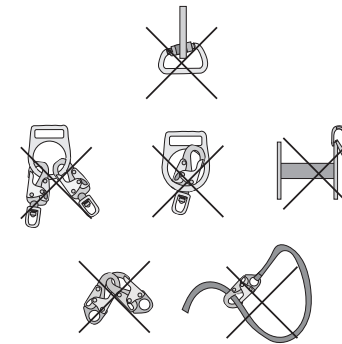
- To a D-ring to which another connector is attached.
- In a manner that would result in a load on the gate (with the exception of tie back hooks). **NOTE:** Large snap hooks must not be connected to objects which will result in a load on the gate if the hook twists or rotates. Snap hooks marked with ANSI Z359.12 and are equipped with a 3,600 lb (16 kN) gate. Check the marking on your snap hook to verify its compatibility.



NOTE: Large throat snap hooks must 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, unless the snap hook complies with ANSI Z359.1-2007 or ANSI Z359.12 and is equipped with a 3,600 lb (16 kN) gate. Check the marking on your snap hook to verify that it is appropriate for your application.

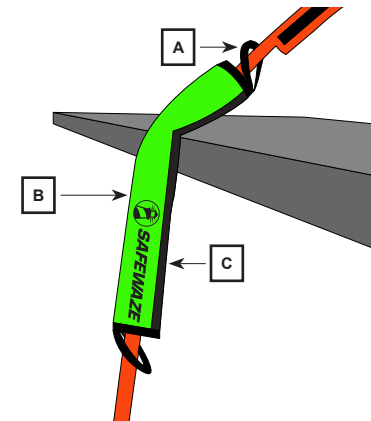
- In a false engagement, where features that protrude from the snap hook or carabiner catch on the anchor, and without visual confirmation seems to be fully engaged to the anchor point.
- To each other.
- By wrapping the web lifeline around an anchor and securing to lifeline except as allowed for Tie Back models.
- To any object which is shaped or sized in a way that the snap hook or carabiner will not close and lock, or that roll-out could occur.
- In a manner that does not allow the connector to align properly while under load.

FIGURE 4 - INAPPROPRIATE CONNECTIONS



Rope Protector Components

FIGURE 5 - ROPE PROTECTOR COMPONENTS



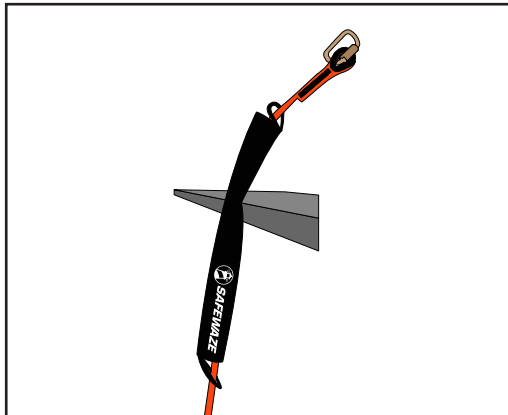
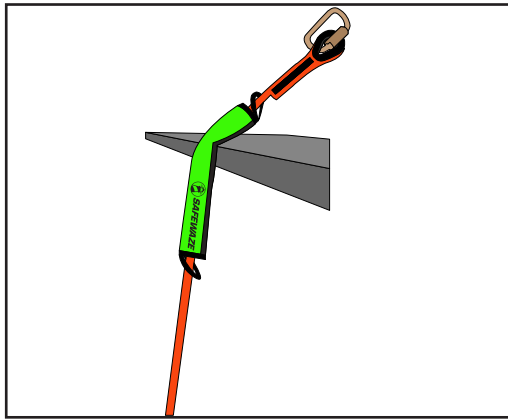
018-9000 / 018-9001 Components	
A	Web Loop
B	Exterior Vinyl Cover
C	Hook and Loop Fastener Strip

INSTALLATION

1. Under guidance of a Competent or Qualified Person, a suitable anchor point must be chosen that meets the strength requirement, minimizes free fall, and reduces swing fall hazards. Do not work above the anchorage point.
2. The 018-9000 / 018-9001 is suitable for use with any type of rope lifeline.
3. The 018-9000 rope protector is 18" (45.72 cm) long. The 018-9001 rope protector is 36" (91.44 cm) long. Both sizes have sewn in hook and loop fastener material along the entire length of the protector.
4. Place rope into the protector by pulling apart the hook and loop fastener along the length of the protector.
5. After opening up the protector, position the protector on the rope where it will be required, and enclose the rope in the protector by resealing the hook and loop fastener. Each protector has a sewn in web loop at either end for attachment to the rope lifeline. Attachment can be performed with a small bungee style cord, plastic zip tie, or with an alpine butterfly knot and carabiner.
4. Figure 6 indicates the 018-9000 / 018-9001 in typical installation configurations.

INSTALLATION EXAMPLES

FIGURE 6 - INSTALLATION



⚠ **WARNING** ⚠

- Users should consult with their doctor to verify ability to safely absorb the forces of a fall arrest event. Fitness level, age, and other health conditions can greatly affect an individual's ability to withstand fall arrest forces. Women who are pregnant, individuals considered minors must not use any Safewaze equipment.
- Never alter any part or add/remove components. Safewaze shall not be held responsible for injury or death due to tampering.
- Failure to follow these instructions and warnings could result in serious injury or death in the event of a fall.
- A preplanned rescue procedure in the event of a fall is required. The rescue plan must be specific to the project. The rescue plan must allow for employees to rescue themselves, or to be promptly rescued by alternative means.
- User must ensure compatibility of snap hooks, carabiners and other connectors. Any connection which could allow disengagement must be eliminated. Snap hooks and carabiners must be self locking and self closing and must never be hooked to each other.
- A Competent Person must conduct an analysis of the workplace and anticipate where workers will be conducting their duties, the route they will take to reach their work, and the existing and potential fall hazards they may be exposed to. The Competent Person must choose the fall protection equipment to be utilized.
- Do not misuse equipment.
- Equipment designated for fall protection must never be used to lift, hang, support or hoist tools or equipment unless specifically certified for such use.

INSPECTION

- Safewaze Rope Protectors shall be inspected prior to each use by the user and at least every 6 months by a Competent Person. Annual inspections shall be documented. Severity of conditions during use may necessitate increased frequency of documented inspections.
- Rope Protectors that fail inspection MUST be removed from service.
- Prior to each use, inspect the 018-9000 / 018-9001 for deficiencies or damage, including, but not limited to chemical exposure, or extreme heat exposure. If any deficiencies or defects are found, the 018-9000 / 018-9001 must IMMEDIATELY be removed from service.
- The 018-9000 / 018-9001 must be inspected at least every 6 months by a Competent Person other than the user. Competent person inspections must be recorded in the inspection log included in this manual.

WARRANTY

Safewaze warrants its products are free from defects in materials and construction under normal use and service. Liability is not accepted for abuse, modification, improper use, destructive activity and contaminated exposure.

MAINTENANCE & STORAGE

The 018-9000 / 018-9001 can be cleaned with water and mild soap if necessary. User should remove all dirt, possible corrosives, and contaminants from the protector prior to, and after each use. Never use any type of corrosive substance to clean the protectors

When not in use, store the 018-9000 / 018-9001 in a cool dry area where it will not be exposed to extreme light, extreme heat, excessive moisture, or possibly corrosive chemicals or materials.

INSPECTION LOG

Date	Inspection Items Noted	Corrective Action	Initials



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