



020-12101 EVO Detachable Cable Sleeve Instruction Manual



WARNING

This product is part of a personal fall arrest 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.

This product meets or exceeds the following OSHA Regulations and ANSI standards for fall protection.

ANSI	OSHA
A14.3	1926.502
Z359.1-2007	1910.140
A10.32-2004	1910.66

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 020-12101 EVO Detachable Cable Sleeve. 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 Cable Sleeve, and all fall protection equipment used in conjunction with the Cable Sleeve.

APPLICABLE SAFETY STANDARDS

When used according to instructions, the 020-12101 EVO Detachable Cable Sleeve meets all applicable ANSI Z359 standards and OSHA regulations for fall protection. Applicable standards and regulations depend on the type of work being done, and may include state-specific regulations. Refer to local, state, and federal (OSHA) requirements for additional information concerning the governing of occupational safety regarding Personal Fall Arrest Systems (PFAS).

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.

APPLICATIONS

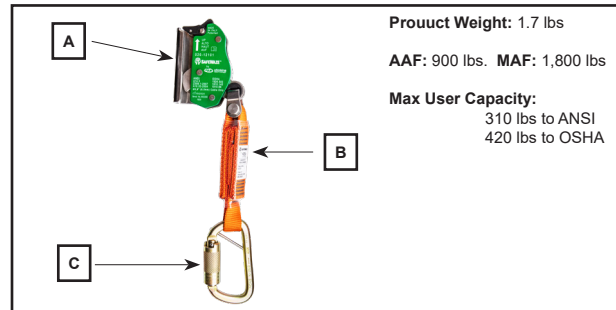


Personal Fall Arrest: The 020-12101 Cable Sleeve is designed as a connection point to support a maximum of 1 Personal Fall Arrest System (PFAS) when utilized for fall protection applications.

All above referenced applications have a worker weight capacity range of ANSI 130-310 lbs (including all clothing, tools, and equipment), OSHA 420 lbs.

COMPONENTS

FIGURE 1 - Cable Sleeve COMPONENTS



Product Weight: 1.7 lbs
AAF: 900 lbs. **MAF:** 1,800 lbs
Max User Capacity:
 310 lbs to ANSI
 420 lbs to OSHA

020-12101 Components	
A	Cable Sleeve
B	Energy Absorber
C	Steel Captive Eye Carabiner

TECHNICAL DATA

020-12101 SKV EVO Detachable Cable Sleeve:	Part Number	Activation Force	Max Deployment Length	Minimum Breaking Strength
	020-12101	450 lbf (2.0 kN)	36 in. (914.4 mm)	3,600 lbs (16kN)
Capacity:	Each user must have a combined weight (clothing, tools, etc.) of 88 lb. to 310 lb. (40 kg to 140 kg). The Safewaze Fixed Ladder System may have up to 4 simultaneous users, but each 020-12101 EVO Detachable Cable Sleeve may have only one user attached. For additional users, additional Cable Sleeves must be used.			

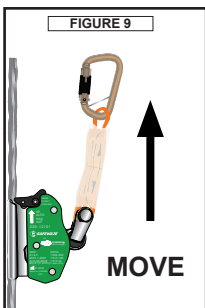
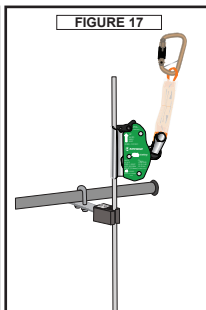
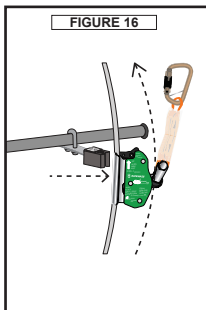
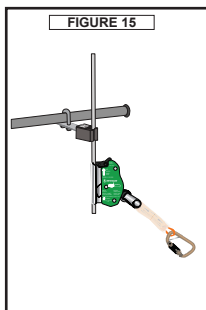
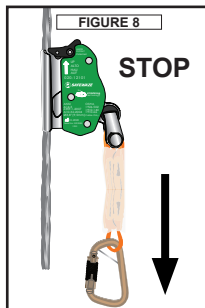
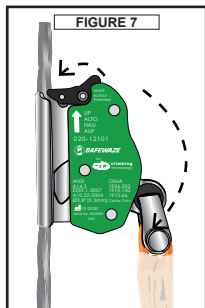
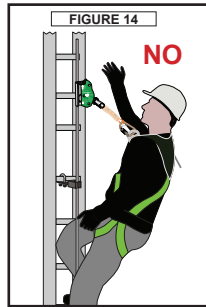
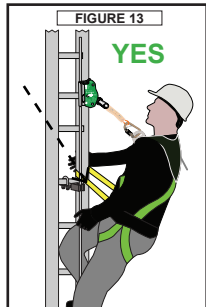
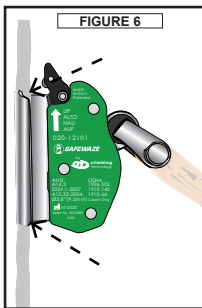
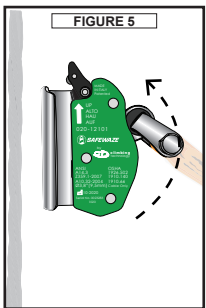
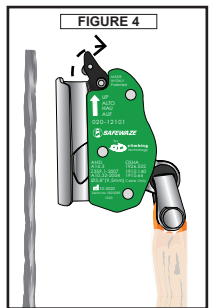
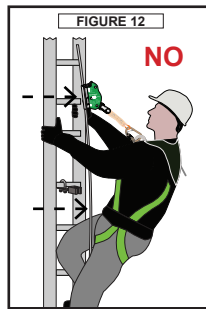
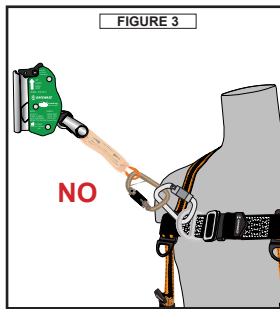
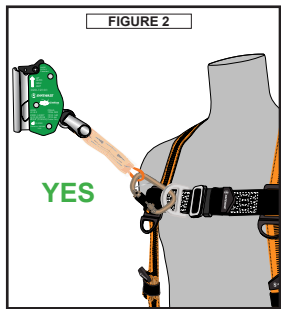
INSTALLATION AND USE

WARNING: Prior to attachment of the 020-12101 to a vertical ladder cable assembly, the user must inspect all components of the entire ladder system. The user must ensure that the ladder is undamaged and safe for climbing operations, confirm that the vertical cable is undamaged and free from excessive corrosion, and inspect all other components of his/her Personal Fall Arrest System (PFAS).

- Under guidance of a Competent Person, ensure that the 020-12101 is properly connected directly to the Sternal D-ring of the Full Body Harness via the captive eye carabiner (See Figure 2). **Never attach the captive eye carabiner to another carbiner for connection to the sternal D-ring (See Figure 3).** Prior to attaching the cable sleeve to the vertical cable, ensure that the cable is 3/8" diameter.
- To attach the 020-12101 to the vertical cable constituent, rotate the locking lever up so that lever clears the cable slot (See Figure 4). Rotate the locking cam lever upwards at the same time to clear the locking cam from the cable slot (See Figure 5).
- With the locking lever and locking cam clear of the cable slot, place the 020-12101 onto the vertical cable so that the cable is seated in the cable slot (See Figure 6).
- Release the locking lever and locking cam lever to complete attachment to the vertical cable (See Figure 7).
- Once the 020-12101 is securely attached to both the user and the vertical cable constituent, climbing operations can begin.
- The 020-12101 is designed to work with the SafeWaze Vertical Ladder System. During climbing, if the integral energy absorbing lanyard is oriented at a downward angle in relation to the Cable Sleeve, the Cable Sleeve will remain stationary in place (See Figure 8).
- With the integral lanyard in an upward orientation relative to the Cable Sleeve the 020-12101 will trail along the cable as the user ascends the ladder (See Figure 9).
- Prior to beginning any climbing operations, ensure that the 010-12101 is installed correctly onto the vertical cable constituent. The cable sleeve has an arrow etched into the outer housing for the users reference to ensure correct installation. Do not use or begin climbing if the 020-12101 is installed improperly (upside down) on the vertical cable (See Figure 10).
- When ascending with the cable sleeve, the user must always maintain 3 points of contact with the fixed ladder assembly. The user should also climb in as straight of an orientation as possible (See Figure 11). The user should avoid leaning outward from the fixed ladder assembly when climbing, as this can place undue tension on the vertical cable and inhibit proper operation of the cable sleeve (See Figure 12).
- If the user finds it necessary to maintain a stationary position on the fixed ladder, a positioning type lanyard can be utilized if necessary (See Figure 13). The user should never disengage or remove the cable sleeve during climbing for any reason. If the user stops climbing, he/she should never attempt to use the vertical cable and cable sleeve as a positioning device (See Figure 13).
- If the vertical ladder is of sufficient height to require cable guides, the user must know how to properly pass the guides during climbing operations. When the user reaches a point where the cable sleeve is just below the cable guide (See Figure 15), he/she must pull the cable free from the cable guide (See Figure 16). Once the cable is free of the guide, the user can slide the cable sleeve to a point above the cable guide (See Figure 16). Once the cable sleeve has cleared the cable guide, simply push the cable back into the guide and continue climbing operations (See Figure 17).

NOTE: USER MUST NEVER REMOVE THE CABLE SLEEVE FROM THE CABLE ASSEMBLY, OR FROM THE STERNAL D-RING OF THE FULL BODY HARNESS, AT ANY POINT WHILE CLIMBING THE FIXED LADDER SYSTEM!





INSPECTION

• The 020-12101 shall be inspected by the user prior to each use and at least annually by a Competent Person. Annual inspections must be documented. Severity of conditions during use may necessitate increased frequency of documented inspections.

• Any Cable Sleeve that fails inspection MUST be removed from service.

• Prior to each use, inspect the 020-12101 for deficiencies or damage, including, but not limited to, sharp edges, rough edges, deformations, corrosion, pits, burrs, chemical exposure, extreme heat exposure, or missing or illegible labels. If any deficiencies or defects are found, the 020-12101 must IMMEDIATELY be removed from service.

• The 020-12101 must be inspected at least annually by a Competent Person other than the user. Competent person inspections must be recorded in the inspection log included in this manual and on the inspection grid label on the lanyard.

MAINTENANCE & STORAGE

The 020-12101 can be cleaned with water and mild soap if necessary. User should remove all dirt, possible corrosives, and contaminants from the 020-12101 prior to, and after each use. Never use any type of corrosive substance to clean the 020-12101.

Excess water should be blown out with compressed air. Hardware can be wiped off with a clean, dry cloth.

When not in use, store the 020-12101 in a cool dry area where it will not be exposed to extreme light, extreme heat, excessive moisture, or possibly corrosive chemicals or materials.

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.

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.

• Cable Sleeves that are exposed to fall arrest forces MUST be IMMEDIATELY removed from service and destroyed.

• Never alter any part of the 020-12101 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.

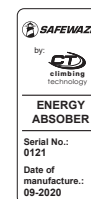
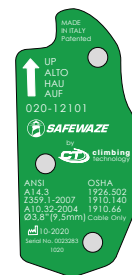
• Harnesses or connectors selected for use with any Safewaze Cable Sleeve must be compatible in size and configuration. User must ensure compatibility of snap hooks, carabiners and other connectors. Any connection which could allow disengagement must be eliminated. Snap hooks and carabiners must be self 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.

LABELING



INSPECTION LOG

Date	Inspection Items Noted	Corrective Action	Initials

