Yates ASAPFRASAP ANSI FR Lanyard with Petzl ASAP Lock for use with BlueWater ArmorTech Rope

Classified by UL to the ANSI Z359.15-2014 Standard

This lanyard is designed to be used with 12 mm dry coated BlueWater 12mm ArmorTech rope with sewn terminations.

The material used in the construction of the energy absorber is Kevlar® and Polyester. The shock absorbing material is Polyester. The lanyard portion is constructed of Kevlar. Lanyard length 19 inches (48 cm)

Warning:

This equipment is part of a single anchor lifeline personal fall arrest, restraint, climbing, or rescue system. Work at height involves inherent and potentially unavoidable risks and hazards to yourself and any bystanders which can result in serious injury or death. Users are responsible for understanding the risks of using this equipment and accepting their responsibility to warn bystanders of potential safety hazards. These instructions must be provided to the user of this equipment and the user must fully read (or have them fully explained in a language understandable to the user), understand, and follow these instructions prior to use of this equipment. These instructions must be followed for proper use and maintenance of this equipment. Alterations or misuse of this equipment or failure to follow instructions may result in serious injury or death. It is the responsibility of the employer and the user of this equipment to assure that each user of this equipment is familiar with these instructions, trained in the correct care and use of this equipment, and the consequences of improper use of this equipment. This user information sheet should be retained in a permanent record after it is separated from the equipment, and a copy of it should be kept with the equipment. The user should refer to this user information sheet before and after each use of this equipment.

Before Use:

The techniques employed in the proper and safe use of this equipment may only be learned through personal instruction received from an instructor who is well-qualified in all phases of work at height. Such instruction will include an evaluation of your comprehension of, and ability to perform, the tasks required to safely and efficiently use this equipment. Never attempt its use until you have received such instruction and are believed competent by your instructor. Misuse of this equipment in any way is prohibited. The user is to have a competent rescue plan in place and the means at hand to implement it when using this equipment.

Warning:

Do not alter or misuse this equipment.

Do not use combinations of fall arresters, lanyards, lifelines, which may affect or interfere with the safe function of each other.

Exposing this equipment to chemicals may produce a harmful effect. Consult the manufacturer in cases of doubt.

Do not use this equipment around moving machinery and electrical hazards unless competent precautions have been implemented to protect against those hazards.

It is dangerous to use this equipment near sharp edges or on abrasive surfaces. Proper competent precautions must be in place to protect this equipment.

Use of this User Information Sheet

It is suggested that this user information sheet be retained in a permanent record after it is separated from the lanyard, and that a copy of it be kept with the anchor strap.

It is suggested that the user refer to this user information sheet before and after each use of the lanyard.

The Intended Use of This Equipment is as Follows:

Fall Arrest: Fall arrest systems safely stop the user in a free fall from a height. Fall arrest systems typically include a full body harness, an energy absorbing lanyard, and a suitable anchorage. The maximum arresting force must not exceed 1,800 lbs. (8 kN). The average arrest force must not exceed 900 lbs. (4 kN).

Fall Restraint: Fall restraint systems prevent the user from reaching a fall hazard such as leading edge roof work.

Z359.15-2014 Test Parameters: The test is for a fall factor 2, or 4 foot free fall. The maximum allowable free fall distance for this product is 2 feet (60 cm).

Capacity: The 2 ft. (60 cm) energy absorbing lanyard is designed to protect a user from a 4 foot (120 cm) free fall and is for use by persons with a combined weight (clothing, tools, etc.) of no greater than 310 lbs. (141 kg)

The minimum user weight of this product is 130 lbs. (59 kg).

The maximum arrest force of the personal energy absorber when dynamically tested in accordance with the requirements of ANSI/ASSE Z359.15-2014: less than 1800 lbs.

The average arrest force of the personal energy absorber when dynamically tested in accordance with the requirements of ANSI/ASSE Z359.15-2014: less than 900 lbs.

The maximum elongation of the personal energy absorber when dynamically tested in accordance with the requirements of ANSI/ASSE Z359.15-2014: 48 inches. The energy absorber used in this system can only elongate a maximum of 41 inches.

The Following Recommendations are Outside the Certification Limitations of ANSI Z359.15-2014:

Z359.15-2014 test parameters: the test is for a fall factor 2, or 4 ft. (120cm) free fall. The maximum allowable free fall distance for this product is 2 feet (60 cm) or less when connected sternally.

This lanyard should be used in a manner to limit free fall to 2 ft. (60cm) or less when connected to sternal D ring of harness. It can be attached to a Yates Y style harness sternal D ring and draped over users shoulder to maintain position of fall arrestor above the point of attachment to user. It can also be attached to the users dorsal D ring and it is encouraged that a method of use to keep the attached fall arrestor at or above the point of attachment is utilized.

Testing has shown that the Yates ASAPFRASAP Lanyard can accommodate a maximum user weight of 360 lbs.

Testing has also shown that the Yates ASAPFRASAP Lanyard can accommodate a two person (310 lbs. max ea., total weight 620 lbs.) rescue load as long as the free fall is limited to 1 ft. (30 cm) or less. For this application, this lanyard shall be used in a manner to limit free fall to 1 ft. (30cm) or less. It can be attached to a Yates Y style harness sternal D ring and draped over users shoulder to maintain position of fall arrestor above the point of attachment to user (sternal D ring). It can also be attached to the users dorsal D ring and the user shall keep the attached fall arrestor above the point of attachment (dorsal D ring) to limit free fall distance to 1 ft. (30cm) or less.

Inspection Procedures:

Fully inspect this equipment prior to each use and additionally at a minimum of yearly by a competent inspector and recorded. Failure to properly inspect this equipment could result in product failure and serious injury or death.

Records:

The user of this equipment should keep a permanent record listing the date and results of each usage inspection. Such record should show, as a minimum, inspection for all of the following conditions visually and by feel:

- Cleanliness
- Dryness
- Freedom from corrosion
- Freedom from distortion
- Condition of nylon webbing
- Broken or frayed stitching
- Freedom from scratches, gouges and sharp edges
- User Information sheet present

Inspection for Use:

Visually and by touch, inspect this equipment for cracks, distortion, corrosion, gouges, sharp edges or rough areas on all metal parts and for cuts, tears, abrasion, melting or excessive fuzzing, soiling, or staining of the nylon webbing. Inspect for chemical or heat damage indicated by brown, discolored, or brittle areas. Inspect for ultraviolet damage indicated by discoloration and the presence of splinters or slivers on the webbing surface. Inspect stitching for pulled or cut stitches. Inspect all connectors and hooks to ensure smooth operation and full closure. Compare this equipment with a new model if necessary to determine its condition. Remove it from service if there is any doubt about its safety or serviceability. If inspection reveals an unsafe or defective condition, remove the equipment from service and destroy. This equipment is not repairable. No repairs or alterations are permitted.

The following items indicate the energy absorber has been subjected to impact loading and must be removed from service:

- Torn webbing
- Torn or broken cover
- Broken stitching
- Open end or ripped out stitching
- Measured length is more than 15 cm (6 in.) longer than the length marked on the label.

Remove this equipment from service and destroy if it has been subjected to the forces of arresting a fall.

The functional life of this equipment is determined by work conditions and maintenance. As long as the equipment passes inspection criteria, it may remain in service.

Maintenance After Use:

Carefully clean and dry this equipment to remove all dirt or foreign material and moisture. Do not force dry with heat. Minor sharp edges on any hardware may be smoothed with a fine abrasive cloth, before cleaning. Store in a clean, dry place away from direct sunlight and harmful fumes or vapors.

Anchorage Requirements:

Anchorages selected for use with the energy absorbing lanyard must have a strength capable of sustaining the static load requirements of the intended fall protection application:

Fall Arrest: In accordance with ANSI Z359.1, anchorages selected for fall arrest systems shall have a strength capable of sustaining static loads applied in the directions permitted by the system of at least:

- 5,000 lbs. (22.2kN) for non-certified anchorages, or
- Two times the maximum average arresting force for certified anchorages

When more than one fall arrest system is attached to an anchorage, the strengths set forth above for fall arrest anchorages shall be multiplied by the number of systems attached to the anchorage.

Anchorages used for attachment of a personal fall arrest system (PFAS) shall be independent of any anchorage being used to support or suspend platforms, and capable of supporting at least 5,000 lbs. (22.2 kN) per user attached, or be designed, installed, and used as part of a complete PFAS which maintains a safety factor of at least two, and is supervised by a qualified person.

Anchorages selected for work positioning systems shall have a strength capable of sustaining static loads applied in the directions permitted by the system of at least:

- 3,000 lbs. (13.3kN) for non-certified anchorages, or
- Two times the foreseeable force for certified anchorages

When more than one work positioning system is attached to an anchorage, the strengths set forth above for work positioning systems shall be multiplied by the number of systems attached to the anchorage.

Anchorages selected for fall restraint systems shall have a strength capable of sustaining static loads applied in the directions permitted by the system of at least:

- 1,000 lbs. (4.5 kN) for non-certified anchorages, or
- Two times the foreseeable force for certified anchorages

When more than one restraint system is attached to an anchorage, the strength set forth above for fall restraint shall be multiplied by the number of systems attached to the anchorage.

Anchorages selected for rescue systems shall have a strength capable of sustaining static loads applied in the directions permitted by the system of at least:

- 3,000 lbs. (13.3kN) for non-certified anchorages, or
- Five times the foreseeable force for certified anchorages

Care must be given if the lower or terminal end of the vertical lifeline is anchored. It is recommended that any anchoring of the terminal end of the lifeline only be done in a configuration where the lifeline is hanging completely vertical.

Any anchoring of the terminal/bottom end of a lifeline that is not vertical could produce excessive loads to the anchors and would be considered putting the system in a “horizontal lifeline configuration” and is not recommended.

The standard ANSI Z359.15-2014 applies to single anchor lifelines and fall arresters used in fall arrest application. The requirements of this standard do not address horizontal lifelines.

Connector Compatability:

Compatible connections must be made when using this equipment and can vary depending upon application. Connectors must be compatible with anchorages and user harness attachment points by size, shape, and strength. Connectors must not be able to unintentionally disengage or inadvertently open under any orientation.

Connectors should be attached to the user’s harness first, then to the suitable anchorage. Always connect the energy absorber end to the users harness. The use of additional energy absorbers is not recommended.

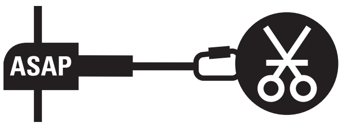
Applicable standards include: ANSI/ASSE Z359.1, ANSI/ASSE Z359.15-2014, ANSI/ASSE Z359.12, OSHA 1910.66 and 1926.500 and any other and applicable regulations governing occupational safety.

MODEL: YATES LANYARD FOR ASAP LOCK Serial/Lot#____________
MATERIAL: KEVLAR ANSI Z359.15-2014 ASTM F887-13 MFG DATE ______
LANYARD LENGTH 19” MAXIMUM ALLOWABLE FREEFALL DISTANCE: 48”
LANYARD SHALL ONLY BE USED WITH PETZL ASAP LOCK, MODEL B71ALU
THIS LANYARD IS ONLY COMPATIBLE FOR USE WITH BLUEWATER 12mm
DRY TEFLON® TREATED ARMORTECH ROPE

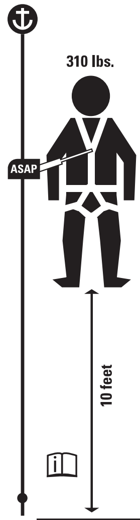
WARNING!
Follow instructions included with equipment at time of shipment from MFG
Maximum average arresting force in less than 900 lbf. (4kN)
This energy absorber can elongate a maximum of 41 inches
Avoid contact with sharp edges and abrasive surfaces
Utilize and make only compatible connections
Forces may increase when cold and /or wet
Maximum user weight: 130-310 lbs.
DO NOT REMOVE THIS LABEL

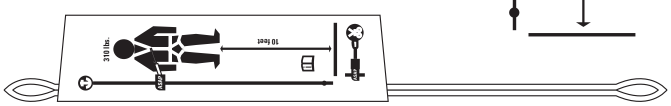
Yates Professional
Yates Gear Inc., Redding CA. USA

Warning Label Inside FR Cover



Attachment to Harness





Label Location

Clearance Calculation:

Sufficient clearance must be below the user to arrest a fall to protect the user from striking the ground or other obstruction. The clearance required depends on several factors including

- Elevation of anchorage
- Free fall distance
- Body height
- Energy absorbing lanyard length
- Deceleration distance
- Movement of harness attachment element

Swing Falls (pendulum):

Swing falls occur when the anchorage point is not directly above the point where a fall occurs. Users must minimize swing falls by working as close to and directly below the anchorage point as possible. Swing falls shall not be be permitted if serious injury may occur.

Environmental hazards may require additional precautions to prevent injury to the user or damage to the equipment. Lockout/tagout programs are an essential part of overall workplace safety and may reduce some of these hazards. Such hazards may include, but are not limited to:

- sharp edges
- chemicals
- high voltage
- moving machinery
- any type of stored energy
- dangerous equipment or machinery
- heat
- corrosives
- gases or vapors

Inspection Log

Model # **Serial/Lot #**

Mfg. Date **In Service Date**

Insp. Date	Pass	Fail	Initials

A: ASAPFRASAP 19 inches (48cm), max. elongation 32 in. (81cm), worst case fall.
Yates recommends user keep fall arrestor at or above attachment point to further reduce clearance distance.

B: Lifeline Length	C: Fall Distance	D: Lifeline Elongation	E: Deceleration Distance (max.)	F: Safety Factor	G: Required Fall Clearance
10 ft. (3m)	4.5 ft. (1.4m)	1 ft. (.3m)	32 in. (81cm)	1 ft.(1m)	10 ft. (3m)
33 ft. (10m)	4.5 ft. (1.4m)	3.3 ft. (1m)	32 in. (81cm)	1 ft. (.3m)	11 ft. (3.3m)
82 ft. (25m)	4.5 ft. (1.4m)	8.2 ft. (2.5m)	32 in. (81cm)	1 ft. (.3m)	16 ft. (5m)
165 ft. (50m)	4.5 ft. (1.4m)	16.5 ft. (5m)	32 in. (81cm)	1 ft. (.3m)	25 ft. (7.6m)
330 ft. (100m)	4.5 ft. (1.4m)	33 ft. (10m)	32 in. (81cm)	1 ft. (.3m)	41 ft. (12.5m)

Lifeline Elongation <10%
Fall distance includes 6 in. (15cm) harness stretch
Yates recommends a safety factor of no less than 1 ft. (.3m)
Required clearance (G) = Fall Distance (C) + Lifeline Elongation (D) + Deceleration Distance (E) + Safety Factor (F)

WARNING!

- ***You could be killed or seriously injured if you do not read and understand the user information before using this equipment.***
- ***Special training and knowledge are required to use this equipment.***
- ***You must thoroughly read and understand all manufacturer's instructions before use.***
- ***Use and inspect this equipment only in accordance with these instructions.***
- ***This fall arrester shall be attached to no more than one lifeline.***
- ***This fall arrester shall be attached to no more than one user.***
- ***Avoid exposure to physical and chemical hazards which the fall arrester is not designed to withstand.***
- ***Do not manipulate or hold the fall arrester body or lever, only move the fall arrester up/down by the lanyard.***
- ***Use of this equipment is not suitable when the user is positioned on an unstable surface, fine grain material or particulate solids such as sand or coal.***

Yates PROFESSIONAL™

ISO 9001:2008 Certified

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