



For more information about this or other PMI products, please contact us at:

PIGEON MOUNTAIN INDUSTRIES
PO Box 803
LaFayette, GA 30728, USA

706-764-1437
1-800-282-ROPE (7673)

custserv@pmirope.com
PMIROPE.COM

PMI® DYNAMIC SEWN LANYARD

SG51250 SG51251
SG51261 SG51262



PIGEON MOUNTAIN
PMI
INDUSTRIES

Manufacturer's Instructions

⚠ WARNING

- YOU COULD BE KILLED OR SERIOUSLY INJURED IF YOU DO NOT READ AND UNDERSTAND THIS BOOKLET BEFORE USING PRODUCT.
- SPECIAL TRAINING AND KNOWLEDGE ARE REQUIRED TO USE THIS PRODUCT.
- YOU MUST THOROUGHLY READ AND UNDERSTAND ALL MANUFACTURERS INSTRUCTIONS BEFORE USE.
- USE AND INSPECT THIS PRODUCT ONLY IN ACCORDANCE WITH THE MANUFACTURERS INSTRUCTIONS.
- YOU CAN CONTACT THE MANUFACTURER AT 706-764-1437 FOR IMPORTANT SAFETY INFORMATION.

PMI LIMITED WARRANTY

PMI products are warranted to the original retail purchaser to be free from defect in material and workmanship for a period of one year. PMI will repair or replace the item without charge provided inspection at our factory discloses no misuse or alteration, which, in our judgment, has affected the condition or functioning of the product. All implied warranties imposed by law in connection with the sale of PMI products are also limited in duration to a period of one year. PMI expressly excludes and shall not be liable for any consequential damages arising out of any breach of the express or implied warranties on sales of PMI products. Because of the high risks involved in high angle rope work such as, but not limited to, rescue, rope access, caving, rappelling, rock climbing and mountaineering, no further warranties exist or are implied by PMI. Regulations issued under the Magnuson-Moss Warranty Act require us to include the following statement: some states do not allow limitations on how long an implied warranty lasts nor the excluding or limitation of incidental or consequential damages, so the above limitations may not apply to you.



RM00345

PMI PMIROPE.COM ^ 1-800-282-ROPE

WEBBING AND
CORDAGE

LANYARDS

PRODUCT DESCRIPTION

The PMI Dynamic Sewn Lanyard is an essential piece of any kit used for work at height. It provides increased safety and effectively reduces impact forces in the event of a fall. It is intended for personal use such as fall arrest, fall prevention, and work positioning. Ideal for fall prevention when ascending or descending in rope access work, this lanyard has fixed PMI sewn terminations at each end that are stronger than any knot. It requires adequately rated connectors used at both ends for proper use.

FEATURES AND SPECIFICATIONS

All PMI Dynamic Sewn Lanyards are constructed from polyamide (nylon) fiber dynamic rope of 11mm diameter. They are constructed from PMI Dynamic ropes and therefore any reference to "ropes" in these Manufacturer's Instructions applies to PMI Dynamic Sewn Lanyards. This section identifies the features and specifications for your lanyard.

- Made from 11 mm PMI Dynamic™ rope
- Includes PMI® Sewn Terminations with an added abrasion protection sleeve
- Kernmantle rope construction; sheath made with UltraDry™ nylon
- Transparent thread-cover to protect and allow for easy inspection of stitching
- Available in 4 lengths
- Quick identification while in use: red lanyard is shorter, black lanyard is longer

Diameter: 11 mm (7/16")

Material: 100% Nylon sheath, core and termination stitching

Item No.	Length	Weight	Color	MBS
SG51250	17.5 in (44.5 cm)	2.7 oz (76.5 g)	Red	22 kN (5000 lbf)
SG51261	24.0 in (60 cm)	3.2 oz (91.3 g)	Black	22 kN (5000 lbf)
SG51251	32.5 in (82.6 cm)	3.9 oz (110.7 g)	Black	22 kN (5000 lbf)
SG51262	39.4 in (100 cm)	4.4 oz (125.5 g)	Black	22 kN (5000 lbf)

⚠ WARNING

ABOUT YOUR PERSONAL SAFETY

- Failure to follow these stated warnings may result in serious injury or death.
- You are responsible for your own safety and decisions while using this product.
- Activities involving the use of this product are inherently dangerous; you must understand and accept the risks involved.
- Special training and knowledge are required to use this product. These instructions are not an acceptable substitute for appropriate training by a qualified instructor. The techniques employed in the safe and proper use of this equipment may only be learned through training from an instructor who is well qualified in all phases of vertical rope work. Such instruction will include evaluation of your comprehension of, and ability to perform, the task required to safely and efficiently use this equipment. Never attempt to use this product until you have received appropriate instruction and are approved to be competent by your instructor.

⚠ WARNING (continued)

- Before you use these lanyards make sure that all hardware and equipment used with these lanyards is compatible and that they are suitable for the intended use.
- Use, care, maintenance, inspection and retirement of this product should only be done in accordance with the Manufacturer's Instructions. Inspections should only be conducted by an individual designated by the employer to be competent for all tasks required.
- Do not alter this product in any way.
- This lanyard is designed as a personal connection point and requires two connectors adequately rated for the intended use. These lanyards should only be attached to a load bearing attachment point on one's harness or to a properly rated anchorage for the intended use.
- Avoid possible abrasion that can happen when rope comes into contact with hard, sharp or rough surfaces.
- Keep these Manufacturer's Instructions, all product labels and the Equipment Inspection Log WITH the equipment so that any potential user can read them prior to use and make entries after use.
- PMI is not responsible or liable in any way for damages of any kind, injury or death resulting from direct or indirect incidents related to the use of its products.
- If in doubt about this use of this product or for any additional questions, please contact PMI at 706-764-1437 before using this product.

USING YOUR LANYARD

PMI Dynamic Sewn Lanyards are designed to be used with connectors suitable for use in rope access, fall arrest, fall prevention and work positioning systems. They should be attached to a load bearing attachment point, a suitable anchorage point, a safety line, or harness that is compliant to the appropriate standard(s) for the work in which it is intended for use.

Training, education, and experience are essential for calculating and using appropriate safety factors and to using equipment safely. Establishing and evaluating the safety factor will differ with every situation, and even multiple times throughout a given rope operation. It is your responsibility to acquire the appropriate training and experience to understand and apply such subjective concepts.

CARE AND MAINTENANCE

This section identifies the best practices you should use to prevent damage to your lanyard, prolong the life of your lanyard and maintain your lanyard to high standards for safety purposes. Not following the guidelines, as in the other sections of these instructions, can result in serious injury or death.

- Avoid contact between moving textiles (such as nylon rope or webbing) and stationary textiles. Friction between textiles can quickly melt through the fixed part.
- Maintain an Equipment Log for each individual lanyard and review it regularly. Include information such as date of manufacture, date placed in service, dates of use and conditions under which rope is used, results of rope inspections, and other information specific to your application.

continued on next page...

Lift for
more...

CARE AND MAINTENANCE (continued)

- Keep your lanyard clean using the guidelines provided in these Manufacturer's Instructions. Dirt rubbing into and against the fibers of your rope will deteriorate it.
- Store your lanyard in a clean, dark, dry environment, not on a surface from which contaminants might leach (such as concrete), and away from exposure to chemicals, noxious fumes or other harmful agents. We recommend use of a PMI Rope Bag or Rope Pack.

CLEANING YOUR LANYARD

WASH IT - You can wash dirty ropes and/or lanyards best by using the Bokart Rope Washer by PMI®. You can also wash by hand or in a front-loading commercial washing machine. Use a PMI® Laundry bag for keeping from getting tangled when washing. Wash using cool to warm water <30°C (<86°F) with a mild soap. PMI recommends using PMI® Rope Soap, otherwise non-detergent soaps are best. Soap used should not contain any bleaching agents.

DO NOT use top loading washing machines with agitators because they tangle the rope and/or lanyard severely and might even cause damage from friction produced by rubbing the synthetic rope against the synthetic agitator. Note: Ropes may shrink up to approximately 6% after washing. In addition, some environments may cause your rope to shrink over time. The user should inspect the lanyard after washing.

DISINFECT IT - Disinfection of a rope and/or lanyard may occasionally become necessary, such as when exposed to bloodborne pathogens. To disinfect from suspected bloodborne pathogens, PMI recommends following the NFPA standard for cleaning rescue gear of bloodborne pathogens. Keeping in mind that undiluted household bleach is known to damage nylon ropes, NFPA calls for using a diluted solution of household bleach to clean rescue gear exposed to bloodborne pathogens. Add 60 ml of household bleach per 4 liters of tap water. That's about one quarter (1/4) cup of household bleach per gallon of water. Be aware that some commercial bleach solutions are stronger than the recommended 1.5% that is typical for household bleach. Soak the gear in the diluted solution for ten minutes, then rinse thoroughly with tap water. The rinsing cycle is critical to prevent any damage to the rope from the bleach. It is good to soak the gear in tap water for the same amount of time it soaked in the bleach solution. Allow the gear to thoroughly dry in a cool place before storing it. Never dry your ropes and/or lanyard in direct sunlight or laying on an unprotected surface. Never store while equipment is wet.

CAUTION The use of bleach over a long period of time, in repeated uses, can cause damage to fibers such as nylon. Disinfection of the ropes and/or lanyards using bleach should be used sparingly and only when needed.

LUBRICATE IT - Ropes and/or lanyards may dry out and lose some flexibility as a result of washing. You can prevent this by adding a little fabric softener to the rinse cycle during rope washing. Use manufacturer's recommendations for one load of laundry, which is usually about a cap full of fabric softener. Don't use any more than this or it might damage the rope. Lubricating ropes using fabric softener should be used sparingly and only when needed.

DRY IT - Dry your rope and/or lanyard in a clean, dry area out of direct sunlight. For best results, the lanyard should be hung to air dry off of the ground in a low-humidity environment.

INSPECTION

PMI Lanyards and Sewn Terminations should only be used if they meet the following criteria:

- The Lanyard or termination has not been visually damaged or exposed to heat, direct flame impingement or abrasion;
- The lanyard or termination has not been subjected to any impact load;
- The lanyard or termination has not been exposed to liquids, solids, or vapors of any chemical or other material that can deteriorate the lanyard materials;
- The lanyard and termination passes inspection when inspected by an individual designated by the employer to be competent for equipment inspection and following the inspection procedures both before and after each use of the product and at a minimum inspected annually regardless of use.
- The inspection of lanyards and terminations should be documented. An example of an appropriate Equipment Inspection document is provided in these instructions.

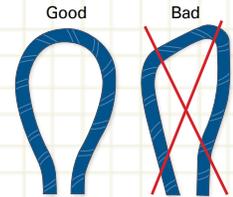
HOW TO INSPECT YOUR LANYARD

LOOK AT IT...ALL OF IT! Start at one end and look at every inch of the rope lanyard. Watch for signs that might indicate possible damage such as discoloration, chemical odors, abrasion, cuts or nicks in the outer sheath and visible differences in the diameter of the rope in one area in relation to the rest of the rope.

INSPECTION (continued)

WRAP IT IN SMALL LOOPS AND LOOK! Use both hands to form a bight of rope beginning at one end and pushing the rope through your hands allowing the bight to maintain its round shape for the entire length of the rope. If it doesn't maintain a rounded shape as seen in **Diagram A** then there might be a problem with the rope's core and you should not use it.

DIAGRAM A



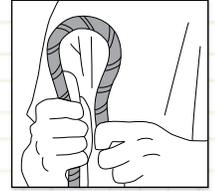
The loop of the termination should be inspected for visible wear such as abrasion, cuts, or fraying.

Sewn terminations should be inspected for worn or broken thread. For sewn terminations, if the threads are not clearly visible through the protective covering, slide the covering down to allow a detailed visual inspection.

The protective covering over the stitching should be inspected to ensure that it is intact and remains in place over the stitches.

FEEL THE ROPE! While you are looking at every inch of the rope lanyard, run it through your bare hands and feel it for changes that might indicate damage to the core. Changes may include any inconsistencies in rope diameter, soft or "mushy" spots, or extraordinarily stiff areas. (**Diagram B**)

DIAGRAM B



WRITE IT ALL DOWN! Write the results of your inspection on the Equipment Log included in these instructions. Include anything you find in your inspection that might be or become a concern and document other important information about the lanyard such as use conditions, rigging notes, date of manufacture and date placed in service. Be sure to document any occurrence of uncontrolled or excessive loading, if it has come into contact with harmful chemicals and all history of use. All product instructions and labels included with this product should be retained in permanent records with copies made and kept with the product.

IF IN DOUBT, THROW IT OUT If you are not sure about the integrity of a lanyard, DO NOT USE IT. Consult PMI if you need help.

RETIREMENT

Regardless of history and use, a PMI Dynamic Sewn Lanyard should be retired 10 years from the date of manufacture. The actual service life of PMI Dynamic Sewn Lanyards may be much less than 10 years and should be based largely on the results of frequent inspection and use history. Material integrity and product performance characteristics will degrade over time. Good judgment, as well as proper care and inspection, are key to making personal decisions regarding the retirement of your lanyard.

RETIRE IMMEDIATELY:

- Any lanyard whose strength may have been compromised during use.
- Any lanyard that is subjected to uncontrolled or excessive loading or a serious fall.
- Any lanyard that is greater than 10 years old calculated from the date of manufacture, regardless of history and usage.
- Any lanyard about whose history and past usage you are uncertain.
- Any lanyard that has been exposed to heat, direct flame or excessive abrasion.
- Any lanyard that has been visibly damaged, such as glazing, fraying, cuts or discoloration.
- Any lanyard that has been exposed to liquids, solids, gases, mists, or vapors of any chemical or other material that can deteriorate the fiber from which it is made.
- Any lanyard that does not pass the "INSPECTION" criteria in these Manufacturer's Instructions both before and after each use.
- Any lanyard when there is any doubt about the safety or serviceability.

WARNING

CUT RETIRED LANYARDS into short lengths including the sewn termination loops to discourage future use and discard it entirely. A retired lanyard should not be stored, kept or maintained in such a way that it could inadvertently be used inappropriately.

V2-0615

INSPECTION LOG



Item	Model #	Purchase Date	Date in Service	ID Markings

Date Used	Use Details	Comments	Name