

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® SPECTRUM HARNESS

SG51112



Manufacturer's Instructions

EQUIPMENT INSPECTION LOG – __ Model# _____ Date of Manufacture _ Size ___ Date in service Lot/Serial# Use/Maintenance Date Comments Name



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

PERSONAL GEAR

HARNESSES

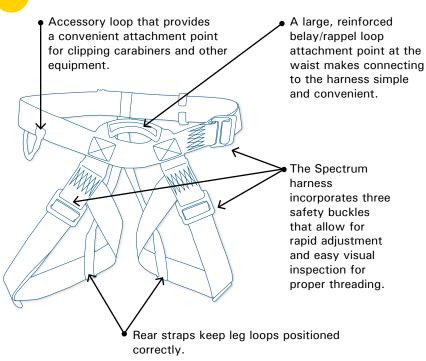
PRODUCT DESCRIPTION

PMI's Spectrum Seat Harness is a simple, comfortable, and versatile climbing harness that is designed to be able to adjust quickly to a wide range of sizes. This makes the Spectrum an excellent choice for use in ropes courses, climbing walls, or any situation where fit, flexibility, simplicity, and rapid adjustment are a priority. Whether for personal or professional use, this harness must be used by trained, competent users with appropriate knowledge of safe climbing systems.

FEATURES

The Spectrum offers a minimalist approach while still maintaining essential features for comfort and safety, as shown in Diagram A.





SPECIFICATIONS

MATERIALS: Nylon webbing, nylon stitching, CORDURA® Chafe Guard, and stainless steel buckles.

SIZE: One size. The waist adjusts from 24 to 48 inches and the leg loops are adjustable up to 34 inches.

COLOR: Red

WEIGHT: 15.1 oz (426 g)

CERTIFICATIONS

MADE IN THE USA

WARNINGS

▲ WARNING! ABOUT YOUR PERSONAL SAFETY

- You are responsible for your own safety and decisions while using this product.
- Before using this product you must thoroughly read and understand all manufacturer's instructions.
- Activities involving the use of this product are inherently dangerous; you must understand and accept the risks involved.
- Special training and knowledge are required for the use of this product.
- Failure to follow these stated warnings may result in serious injury or death.
- 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.
- Please contact PMI at 706-764-1437 to answer any additional questions regarding safety and use of this equipment.

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.

WARNING!

This harness is intended for use in climbing and related activities at height. It should be used with compatible life safety equipment and by a person with sufficient knowledge of its proper use. The information in these instructions is not a substitute for the training and experience necessary to use the harness safely.

▲ WARNING!

harness is fitted with safety buckles that use a cam action to allow easy adjustment when properly rigged. If not used properly, the buckle will not hold and can result in serious injury or death. Inspect the buckle on receipt of the harness and on the ground before using at height to ensure that it is functioning properly. See Diagram B for proper buckle threading.



A properly threaded safety buckle.



An improperly threaded safety buckle.

WARNING!

Harness should not be used near moving machinery, electrical hazards, sharp edges, or abrasive surfaces without proper additional safety measures in place. All webbing tails should be properly secured before use.

▲ WARNING!

The belay/rappel loop is for attaching to full strength connections that are designed to support life-safety loads.

▲ WARNING! The accessory loop on the side of the harness is designed to attach equipment only and should NEVER be used for life safety applications such as belaying,

anchoring a person, or tying in to a life safety system. WARNING!

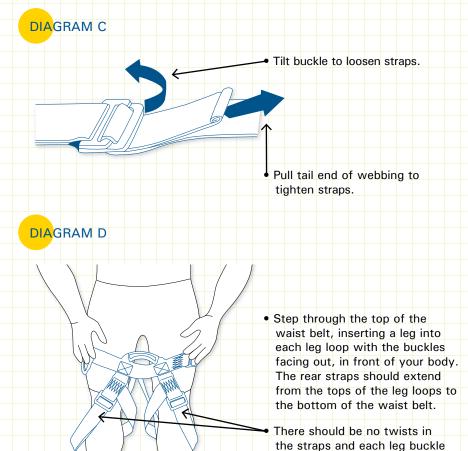
The user must have a rescue plan prepared and the means available to implement it while wearing this harness.

FITTING & USE

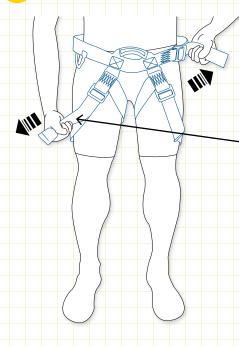
The design of this harness results in a variable "rise" (distance between leg loops and waist belt) that can be easily adjusted at the leg loop safety buckles to ensure that the harness sits comfortably and suspends the wearer properly. If the rise is too short, there can be uncomfortable compression applied to the crotch. This could also cause uneven top-heavy weight distribution which could result in the wearer being flipped upside down. If the rise is too long, the harness can put excessive compression above the hipbone. When adjusted correctly, this harness positions the user comfortably in an upright, seated and slightly reclined position. Please refer to Diagram E for proper fit and rise adjustment.

HOW TO PUT THE HARNESS ON CORRECTLY

 Loosen waist belt and leg loops by tilting the buckle and sliding the slack tail end of the webbing towards the buckle. DO NOT unthread the webbing from the buckle. The waist belt and leg loops should always remain one continuous loop threaded through the buckles.







 Position the harness so that the waist belt wraps over the top of the hip bones and so that the belay/rappel loop is at about belly button level. Secure by pulling on the tail end of the waist belt webbing, as shown in Diagram E.

should be positioned on the

the outside of the leg, as

shown.

webbing that extends toward

- Secure the leg loops comfortably around the thigh by pulling on the tail ends of the leg loop webbing.
 Adjust the leg loops to determine the proper rise.
- Ensure that the leg loops and waist belt are comfortable but snug enough so that the harness stays firmly in the proper position. You SHOULD NOT be able to slide the harness down over the hips once fastened correctly.
- Finally, adjust the rear straps so that the slack is taken out.

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.

Thank you for purchasing PMI products!

INSPECTION, CARE & MAINTENANCE

Your harness should be thoroughly inspected before each use. Any harness that does not pass inspection should be immediately retired from service and discarded/destroyed.

Inspections should include:

- Examination of all load-bearing components for signs of damage.
- Inspection of all stitching for signs of wear, fraying, breaks, loosened/pulled threads, or cuts
- Inspection of webbing for signs of cuts, burns, discoloration, broken fibers, hard/soft sections, or excessive wear.
- Examination of buckles and attachment points for proper function.
- Examination of all metal components for corrosion, damage or sharp edges.
- Inspection of webbing rigging and safety buckles to ensure that harness has been properly assembled.
- Inspection for any signs of damage from heat, chemical exposure, or various environments.
- Inspection of date of manufacture and date placed in service to determine if retirement of harness is needed (See "Retirement Criteria" section).
- Inspections should be recorded and maintained in an Equipment Inspection Log. A sample is provided in these instructions.

CARE AND MAINTENANCE

Maintaining your harness properly will provide a longer service life and ensure the highest level of safety during use.

The following maintenance guidelines should be followed:

- Store harness loosely packed in a clean, dry environment.
- Thoroughly air dry a wet harness before storing it, never dry in a heated dryer.
- Keep your harness away from exposure to direct flame or high temperatures such as in a hot car.
- Prevent exposure of your harness to chemicals or other damaging substances.
- No repairs or modifications to this harness should be performed by anyone other than the manufacturer, or warranty shall be voided and safety features could be compromised.

Cleaning your PMI Spectrum Harness

Washing - If your harness is dirty, you can wash it by hand or in a front-loading commercial washing machine. Use a PMI Laundry bag for keeping the harness from getting tangled when washing in a machine. Wash harness by 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:

- DO NOT use top loading washing machines with agitators because they tangle/damage the harness severely and can cause damage to the machine.
- DO NOT use a commercial dryer to dry the harness.
- DO NOT leave a wet harness on a surface where contaminants may leach (such as concrete).
- DO NOT expose the harness to exhaust fumes.

Disinfecting - Disinfection of a harness may occasionally become necessary, such as when exposed to bloodborne pathogens. To disinfect a harness 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, 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 bleach per gallon of water. Be aware that some commercial bleach solutions are stronger than the 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 nylon 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. Never store gear while it is wet.

▲ WARNING!

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

Drying - Dry your harness in a clean, dry area out of direct sunlight. For best results, it should be hanged to dry in a low-humidity environment. DO NOT leave a wet harness on a surface where contaminants may leach (such as concrete).

Write It Down - Remember to record the cleaning on the Equipment Log.

Keep It Clean - Store your harness in a clean, dark, dry environment, away from exposure to acids, other harmful chemicals, noxious fumes or other abuse.

RETIREMENT CRITIERIA

- RETIRE IMMEDIATELY any harness where the stitching is cut, torn, excessively worn or visibly damaged.
- RETIRE IMMEDIATELY if harness has been in service for 5 years or more, it must be retired even if a visual inspection reveals no concerns.
- RETIRE IMMEDIATELY any harness whose strength may have been compromised during use.
- RETIRE IMMEDIATELY any harness which is subjected to a major fall or uncontrolled or excessive loading.
 RETIRE IMMEDIATELY any harness with a manufacture date which is greater
- than 10 years old, regardless of history and usage.

 RETIRE IMMEDIATELY any harness whose history and past usage you are
- uncertain about.
 RETIRE IMMEDIATELY any harness that has been exposed to heat, direct flame or excessive abrasion.
- RETIRE IMMEDIATELY any harness that has been exposed to liquids, solids, gases, mists, or vapors of any chemical or other substance that can
- deteriorate the harness materials.
 RETIRE IMMEDIATELY any harness that does not pass inspection.
- RETIRE IMMEDIATELY any harness that raises any doubt about its safety or serviceability.

▲ WARNING!

CUT RETIRED harnesses to discourage future use and discard it entirely. A retired harness should not be stored, kept or maintained in such a way that it could inadvertently be used again.