

USES

The PMI Multi Strap is a versatile tool for work, rescue and other activities at height. The list in this section describes some but not all of the uses for the Multi Strap. The diagrams are intended to highlight the features and uses for the Multi Strap and are NOT intended to be a substitute for the special training and knowledge required to use the Multi Strap properly. Improper use of the Multi Strap can lead to serious injury or death. The carabiners in the diagrams below are sold separately from the Multi Strap.

- Tensioning unit
- Pick-off strap
- Load release hitch
- Y lanyard
- Bypass lanyard
- Rebelay/anchor point pass
- Work positioning strap
- Anchor loop
- Multi-point anchor
- Fixed multi-point anchor
- Adjustable footloop
- Victim drag device
- Low/steep angle litter bridle
- High angle litter bridle
- Low/steep angle litter attendant attachment
- High angle litter attendant attachment
- Victim litter attachment (requires 4 Multi Straps attached to harness)

DIAGRAM B

TENSIONING UNIT, POSITION STRAP

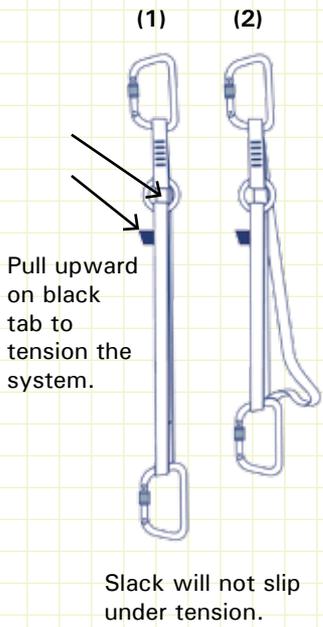


DIAGRAM C

SECURING SLACK LEG

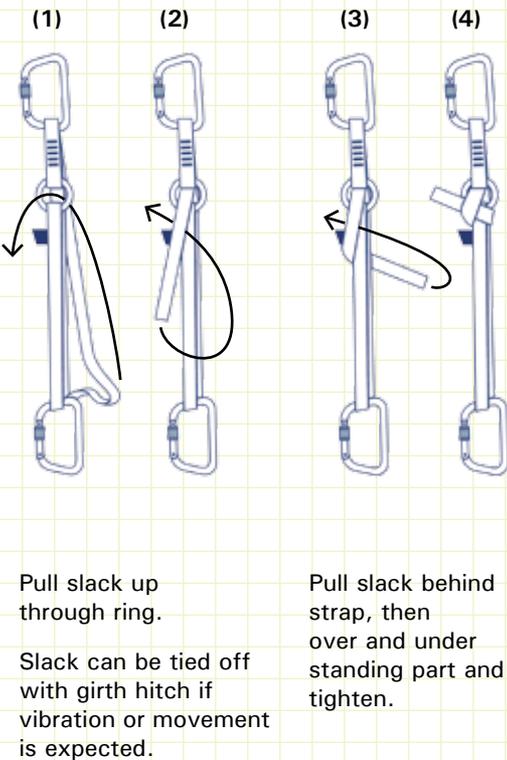


DIAGRAM D - ANCHOR/SLING LOOP

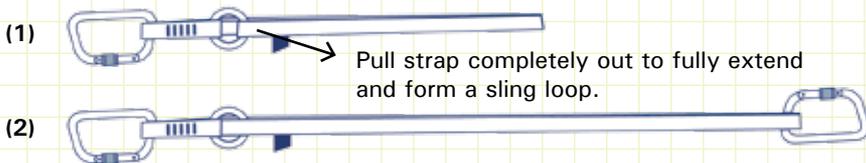
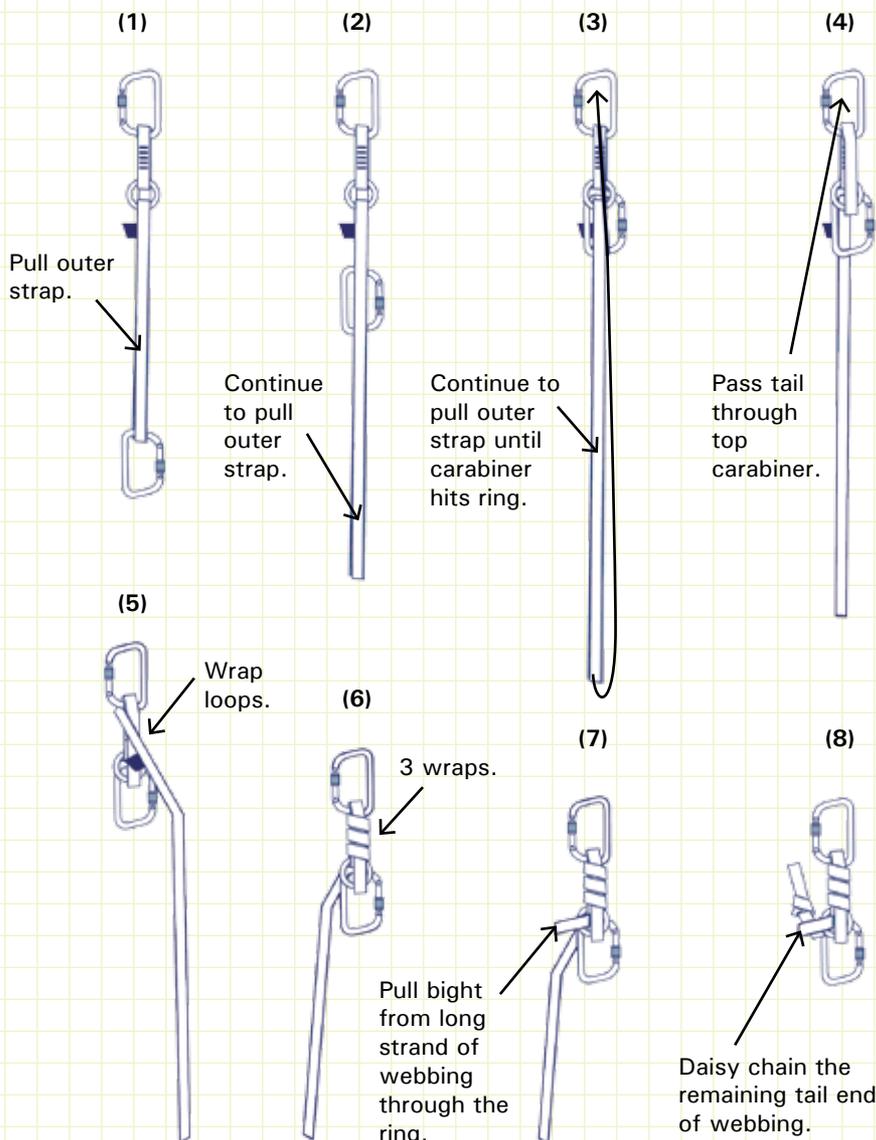


DIAGRAM E - LOAD RELEASING HITCH



INSPECTION, CARE & MAINTENANCE

INSPECTION

- Inspect the strap upon receiving it and before and after each use to ensure proper function of the buckles, product integrity, and stitching.
- Inspect by starting at one end and look at and feel every inch of the strap. Watch for signs that might indicate possible damage such as discoloration, chemical odors, abrasion marks, cuts, nicks and any visible differences.
- IF IN DOUBT, THROW IT OUT- If you are not sure about the integrity of your strap, DO NOT USE IT. Consult PMI if you need help or have questions.

MAINTENANCE

- Maintain an Equipment Log for each individual strap and review it regularly. Include information such as date of manufacture, date placed in service, dates of use, conditions under which equipment is used, results of inspections, and other information specific to your application.
- Keep your strap clean using the guidelines in the section titled "Cleaning your PMI® Multi Strap". Dirt rubbing into and against the fibers can deteriorate it.
- Store your strap in a clean, dark, dry environment, not on a concrete floor, and away from exposure to chemicals, noxious fumes or other harmful agents.

CLEANING YOUR PMI® MULTI STRAP

Washing - A dirty Multi Strap should be washed by hand using clean cool to warm water <math>< 30^{\circ}\text{C}</math> (<math>< 86^{\circ}\text{F}</math>) 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 may tangle the strap and can cause damage to the machine.
- DO NOT use a commercial dryer to dry the strap.
- DO NOT leave wet straps on a surface from which contaminants might leach (such as concrete) for an extended period of time.
- DO NOT expose any straps to exhaust fumes.

Disinfecting - Disinfection of a strap may occasionally become necessary, such as when exposed to bloodborne pathogens. To disinfect a rope from suspected bloodborne pathogens, PMI recommends following the NFPA standard for cleaning rescue gear. 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 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 strap(s) in direct sunlight or laying on an unprotected surface. Never store gear when 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. Bleach should be used sparingly and then only when needed. If there is noticeable damage DO NOT use the strap.

Drying - Allow the strap to dry in a cool, dry, well-ventilated area out of direct sunlight. For best results, it should be hung up to air dry in a low-humidity environment and off of surfaces from which contaminants might leach (such as concrete).

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

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

RETIREMENT CRITERIA

- RETIRE IMMEDIATELY any strap where the stitching is cut, torn, excessively worn or visibly damaged.
- RETIRE IMMEDIATELY any strap whose strength may have been compromised during use.
- RETIRE IMMEDIATELY any strap which is subjected to uncontrolled or excessive loading.
- RETIRE IMMEDIATELY any strap which is greater than 5 years old, regardless of history and usage.
- RETIRE IMMEDIATELY any strap whose history and past usage you are uncertain about.
- RETIRE IMMEDIATELY any strap that has been exposed to heat, direct flame or excessive abrasion.
- RETIRE IMMEDIATELY any strap that has been exposed to liquids, solids, gases, mists, or vapors of any chemical or other material that can deteriorate the strap.
- RETIRE IMMEDIATELY any strap that does not pass inspection (See section in these instructions titled INSPECTION).
- RETIRE IMMEDIATELY any strap when there is any doubt about its safety or serviceability.

⚠ WARNING!

CUT ANY RETIRED STRAP to discourage future use and discard it entirely.

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!