

# Instructions > Radium Release Hitch Kit



The PMI Radium Release Hitch Kit is intended to be used in transferring tension from one part of a system to another part of the system. The 10 meters (33 ft) of 8 mm cord that are included in this kit allow the load to be safely lowered several meters.

**KT36074**

**Weight:** 1.8 lbs (816 g)

## INTENDED USE

- For use in rigging in a belay for a lowering or raising system, for example between a rope grabbing device (prusiks, cam, etc) and anchor.
- Rigging at the top of a haul system. Here it's purpose would be to allow the load to be transferred from one rope to another when passing a knot.
- Anywhere tension in a rope system needs to be transferred from one part of a system to another.
- The Radium Release Hitch Kit, when properly rigged, may add some shock absorbing properties to the belay system.
- Using this product in a manner inconsistent with the above uses is not endorsed by PMI.

## INSPECTION BEFORE USE

Always inspect all components of this Radium Release Hitch Kit before it is used. Check the carabiners to make sure that the gates open and close easily and that the gates lock securely. The 8mm cord should be inspected for wear. You should be familiar with tying a radium release hitch and confirm that it is properly tied before using this product.. You should establish a record of the inspections of this equipment. On page 2 is a sample inspection log. You may need to develop your own inspection log format depending on your needs.

## REMOVAL FROM SERVICE

If any component of the Radium Release Hitch Kit is damaged or shows significant wear, the entire kit must be removed from service until the damaged/worn component can be replaced by the appropriate item of equal or greater strength. If the kit is subjected to a significant impact load the entire kit should be retired and replaced. The carabiners in this kit should be replaced if they have been dropped from a significant height or exposed to heat sufficient to alter the appearance of the surface. If the carabiners have scratches or gouges that are more than superficial they should be replaced. Retired components should be rendered un-usable. If this kit has been exposed to potentially damaging chemicals or excessive heat, it must be removed from service and destroyed.

If this kit has been in use for 5 years it must be removed from service and destroyed, regardless of condition.

## INSTRUCTIONS

Remove cover before use. Confirm that the radium release hitch is properly tied. Attach the carabiner on the Mnter hitch end of the radium release hitch to the belay anchor. Attach the load end of the radium release hitch to the part of the load to be released, such as a tandem triple prusik. Always make sure that carabiners are locked. The tail of the 8 mm cord in the radium release hitch is pre-tied to the anchor carabiner to help prevent loss of control.



To release the radium release hitch, untie the overhand-on-abight that secures the hitch. Maintaining tension on the Mnter hitch, carefully untie the half hitch below the Mnter hitch. Slowly feed line through the Mnter hitch to allow the radium hitch to lengthen and lower the load. When the load has been transferred to the main line, re-secure the radium release hitch by tying a half hitch and an overhand-on-a-bight below the Mnter hitch.

Reconfigure the Radium Release Hitch for use before storage. Tie the RRH so that the two carabiners are about the same width apart as the cover is wide. Use the small hook and loop fasteners to hold the carabiners in place for storage. Wrap the main part of the cover around the complete RRH and cord to protect the tied hitch from tangles and help keep it ready for quick deployment.

## 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.

**MAINTENANCE AND CARE**

Always inspect the Radium Release Hitch Kit when you are de-rigging it. Check the carabiners and 8mm cord for damage. If the hitch has been released during the operation, be sure to properly re-tie the radium release hitch in the starting position before returning it to the storage pouch. Maintain carabiners in accordance with manufacturers instructions. Lightly oil gate and hinge with LPS1 after cleaning. If needed, wash the components of the Radium Release Hitch Kit in clear water or with mild soap, such as PMI Rope Soap. Ordinary laundry detergent, or solutions that may contain bleach, should not be used on life safety gear. Rinse thoroughly and air dry. Store the kit in a clean, dry place away from direct sunlight and potentially damaging chemicals.

**KIT COMPONENTS**

10 m PMI 8 mm Multi-Cord  
**13.4 kN (3012 lbf)**  
 Colors may vary



2 SMC Lite Steel Carabiners  
**33 kN (7418 lbf)**

1 Storage Pouch



**Equipment Inspection Log**

Item: \_\_\_\_\_ Model #: \_\_\_\_\_

Size: \_\_\_\_\_

Date	Use or Maintenance	Comments	Name

**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.

**WARNING !**

Never release a load-releasing hitch unless you are certain the load can be transferred to another system or safely lowered to the ground with the length of cord in the load-releasing hitch. Do not release the radium release hitch unless you are sure you can control the load. Be sure to keep your fingers, hair, clothing, etc. from getting caught in the Münter hitch. Do not consider the belay as an extra part of a haul system. Due to its importance, an experienced technician should be assigned to tend the belay.

**ADDITIONAL INFORMATION**

For additional information about this or other PMI products, contact us.

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**WARNING !**

Use this Radium Release Hitch Kit only if you have been properly trained by an instructor who is well qualified in all phases of vertical rope work. Good instruction includes evaluation of the student's comprehension and ability to safely and efficiently perform the task(s) being taught.