



For more information about this or other PMI products,  
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#### 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 function 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.

# PMI® STEEL RESCUE 8

HD26100

#### User Instructions



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RM00441

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**HARDWARE**

DESCENT  
CONTROL DEVICES

#### PRODUCT DESCRIPTION

A classic rope descender, the PMI® Steel Rescue 8 fits multiple diameters of rope and is designed to allow for high friction rigging that is essential for a 2-person rescue, heavy load, wet rope, small diameter rope or other situations requiring additional friction. This XL steel version from PMI is designed for maximum wear and versatility. You can expect the Steel Rescue 8 to provide impeccable performance that will outlast any aluminum Figure 8 descender by far when comparing durability and service life between these products.

#### FEATURES AND SPECIFICATIONS

Some Rescue 8 descenders or similar products list specifications for the Minimum Breaking Strengths (MBS) of the actual hardware in a pin to pin pull test. These MBS forces often measured in pounds (lbs) or kilonewtons (kN) may be high, especially for steel descenders. However, this may not be a true reflection of capability. The true measure of performance specifications for this type of device will be how well it performs with a rope with which it was designed for use. It is more important to know the MBS of the device tested with a Life Safety Rope, since the rope is more likely to be the point of failure under applied force.

NFPA 1983 is one source for such test methods. These tests, which depict minimum breaking strength and holding load requirements, specify that the Figure 8 is tested with a representative sample of rope that is likely to be used with the device. In NFPA's minimum breaking strength test, which requires a MBS of at least 22 kN for General Use, the rope can be expected to break before the Figure 8. The load holding requirement test requires a tensile test holding force of 9 kN for General Use descenders, which is also tested with a representative sample of rope.

Although this PMI® Steel Rescue 8 is not presently labeled NFPA, it does pass both of those NFPA tests.

#### Specifications

While this device was tested with the ropes below to determine MBS, this device can be used with all PMI ropes within the recommended diameter range.

- MBS - 22.4 kN (5035 lbf): 10.0 mm-12.5 mm PMI® Hudson Classic Professional EZ Bend
- MBS - 28.1 kN (6315 lbf): 11.0 mm-16.0 mm PMI® Hudson Classic Professional EZ Bend

#### FEATURES AND SPECIFICATIONS (continued)

- Weight: 1 lb 8 oz (680 g)
- Length: 6.75" (17.1 cm)
- Width: 6.75" (17.1 cm)
- Height: 0.50" (1.3 cm)
- Max Rope Size: 16 mm

#### Features

- Made of Steel
- Accepts single or double wrapping braking
- Works with rope diameters up to 16 mm (5/8")
- Bottom hole can be used as a sticht plate
- Made in the USA

#### 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 vertical rope work. 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.

#### INSPECTION

The PMI® Steel Rescue 8 should be inspected before each use. Visually and by touch, inspect this PMI® Steel Rescue 8 for cracks, distortion, corrosion, scratches or gouges, sharp edges or rough areas that might abrade a rope. Compare this PMI® Steel Rescue 8 with a new model if necessary to determine its condition. Remove it from service if there is any doubt about its safety or serviceability.

Keep an Equipment Inspection Log with detailed permanent records with this PMI® Steel Rescue 8 that lists the date and results of each inspection. An example Equipment Inspection Log is found in these instructions. Inspection records should list at a minimum, inspection for all of the following conditions:

- Condition regarding cleanliness
- Condition regarding dryness
- Condition regarding scratches, gouges and sharp edges that might cause damage a rope
- Condition regarding corrosion and any contact with possible corrosive substances
- Condition regarding any distortion or deformation
- Keep the User Instructions and Equipment Inspection Log with the device

Lift for  
more...

## CARE AND MAINTENANCE

Carefully clean and dry this PMI® Steel Rescue 8 to remove all dirt or foreign material and moisture. Minor sharp edges may be smoothed with a fine abrasive cloth, before cleaning. Store in a clean, dry place.

## RETIREMENT

The PMI® Steel Rescue 8 should be removed from service and destroyed to prevent further use if it has been dropped, or exposed to heat sufficient to alter its surface appearance, or if any distortion is apparent, or if any cracks are apparent, or if it has scratches or gouges of more than a superficial nature, or if there are visible stress marks. A figure eight that is visually damaged, or that may have been damaged by impact loading or other abuse, cannot be safely repaired and should be retired.

## WARNING

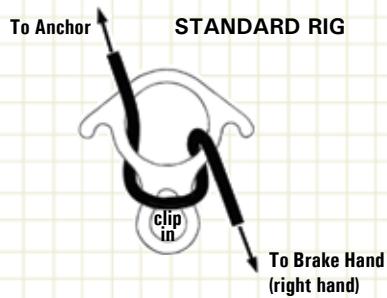
These rigging instructions are to illustrate the proper method of threading the rope through the PMI® Steel Rescue 8 ONLY. Additional training and knowledge are required to use this equipment.

## INSTRUCTIONS FOR RIGGING THE ROPE

The Standard Rig and the High Friction Rig (as shown in the diagrams) are the only two recommended methods for using the PMI® Steel Rescue 8 as a rappel/lowering device.

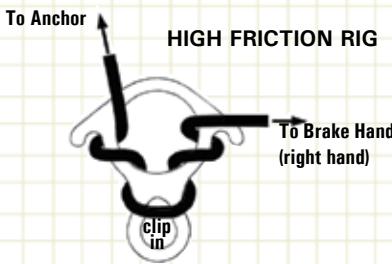
### STANDARD RIG

1. Hold the descender in your hand so that it is oriented as shown in the diagrams.
2. Form a bight of rope in your brake hand and insert this bight down into the large opening of the descender.
3. Bring the bight around the end of descender with the small opening and pull the rope snug onto the descender so that it looks like the Standard Rig diagram.
4. Secure an appropriate connector rated for the intended use into the small opening of the descender marked "clip in" in the diagrams.



### HIGH FRICTION RIG

Also called "double wrapping" a figure 8 descender. This rig is desirable when there is not enough friction to safely control the descent/lower, i.e. smaller diameter rope, wet rope, 2-person or heavy load, etc. Perform steps 1 and 2 the same as for the STANDARD RIG, then begin Step 3 but do not pull the rope snug yet. Instead pass the bight again through the large opening of the descender and around the small opening end of the descender a 2nd time. Pull the rope snug onto the descender so that it looks like the diagram. Lastly, perform step 4 as explained on the left.



NOTE: The double-wrapped figure 8 descender works smoother with the brake hand out to the side as represented in the diagram.

## WARNING

Never connect yourself to the large opening of the Descender and try to rappel/lower. The only authorized attachment point is the small opening marked "Clip In" in the diagrams.

## WARNING

- 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.
- You must thoroughly read and understand all of these product instructions before use.
- Use, care, maintenance, inspection and retirement of this product should only be done in accordance with these instructions.

- Before use make sure that all hardware and equipment used with the PMI® Steel Rescue 8 is compatible and suitable for the intended use.
- Do not alter this product in any way.
- Keep these 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.

V4-0715

## EQUIPMENT INSPECTION LOG



Item	Model #	Purchase Date	Date in Service	ID Markings
Date Used	Use/Maintenance	Comments	Name	