

PMI® Crane-Tek™ Rescue Solution

KT36176 (25m)
KT36166 (66m)
KT36174 (100m)



PIGEON MOUNTAIN

PMI®
INDUSTRIES

Manufacturer's Instructions



PRODUCT DESCRIPTION

PMI® CRANE-TEK™ RESCUE SOLUTION

PMI® Crane-Tek™ Rescue Solution is designed to meet the requirements of workers in high places (ie cranes, etc) who are not wearing a harness but may need to evacuate themselves using an emergency harness and rope for controlled descent in the event of an emergency.

The D4 Descender forms the foundation of this kit, allowing for immediate rope descent. The D4 Descender features a double-action safety mechanism that stops the user if they let go of the handle or if they pull the handle too hard in a panic. When the panic lock is engaged, simply turn the handle until it gets back into the lowering position and continue your descent.

CONTENTS

PMI® CRANE-TEK™ RESCUE SOLUTION CONTENTS:

1 HD26236	Wire Rope Sling, 1m
1 SG51114	Hasty Harness
1 HD26268.....	D4 Multi-Function Descender
1 SM102100	FP ANSI Lite Alloy Carabiner
1 SM21501	ANSI Safety Lock Carabiner
1 SG51286	Rescue Solution Bag
1 PR110E2XXXUC.....	11mm Extreme Pro Unicore rope with sewn terminations (Rope Length Varies)
1 HL33014	Advantage Helmet, White
1 RM00471.....	Crane-Tek™ Rescue Solution Manufacturer’s Instructions

*Training label included for optional user-designation purposes.

NOTICE THIS SYSTEM DOES NOT INCLUDE A RESCUER HARNESS.

⚠ WARNING These instructions are written for the Rescue Solution as a complete system. Please read and understand all individual product instructions included for specific product information and capabilities. All instructions shall be provided with this Rescue Solution, contact PMI for missing or replacement instructions at (706) 764-1437.

BEFORE ENGAGING IN ANY RESCUE

- Work sites should always be pre-inspected and have a risk assessment on file.
- All potential users of this equipment must have received proper training by a competent training provider.
- Ensure that ALL personnel working at height are using appropriate PPE and, if necessary, fall protection (not included with this kit).
- Appropriate anchor points should be identified by a Competent or Qualified Person.

WARNINGS

WARNING

- ▲ **WARNING!** Special training and knowledge are required to use this Rescue Solution.
- ▲ **WARNING!** PMI® recommends the user conduct a documented refresher training at least once every six months to keep skills current (for more information contact PMI®'s Vertical Rescue Solutions at www.verticalrescuesolutions.com).
- ▲ **WARNING!** Ensure that each individual Rescue Solution is inspected upon receipt, before and after each use, and at a minimum every 6 months by a designated Competent Person.
- ▲ **WARNING!** Ensure that all rescue efforts are undertaken in accordance with predetermined Rescue Plan.
- ▲ **WARNING!** Manufacturer's instructions shall be provided to the user. Product instructions for every component of the rescue solution are included. Refer to the individual instructions for a product regarding specific questions about that product. Keep all provided instructions, product labels and any equipment inspection logs with the Rescue Solution so that any potential user can read them prior to use and make entries after use.
- ▲ **WARNING!** Use appropriate anchorages as identified by a Competent or Qualified Person.
- ▲ **WARNING!** Use this Rescue Solution only within the context of a documented Risk Assessment and Rescue Plan. Maintain a copy of these documents for review as appropriate.
- ▲ **WARNING!** Ensure that all personnel working at height are using appropriate PPE and fall protection (not included with this solution)
- ▲ **WARNING!** Before using this Rescue Solution the user is responsible to determine the compatibility with all anchorages, hardware, ropes and equipment to be used.

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WARNINGS *(continued)*

- ▲ **WARNING!** Use this product only in accordance with these manufacturer's instructions. Inspect and Retire equipment in this Rescue Solution in accordance with these instructions. Do not repair or modify. Repair or modification to any PMI® product immediately voids the warranty and may compromise the safety of the product or Rescue Solution.
- ▲ **WARNING!** It is essential for the safety of the user that, if the product is re-sold outside the original country of destination, the reseller shall provide instructions for use, maintenance, inspection, and repair in the language of the country in which the product is to be used.
- ▲ **WARNING!** Connections should be used within the limitations of stability and compatibility of the surrounding components.
- ▲ **WARNING!** Protect the components in this Rescue Solution from any influence that could compromise its integrity.
- ▲ **WARNING!** 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!** Please contact PMI® at 706-764-1437 to answer any additional questions regarding safety information and the use of this product.

USE

These Guidelines should be considered an “adjunct to”, not a substitute for, actual training by competent and qualified instructors. This system may be used to self-rescue by controlled descent to safety.

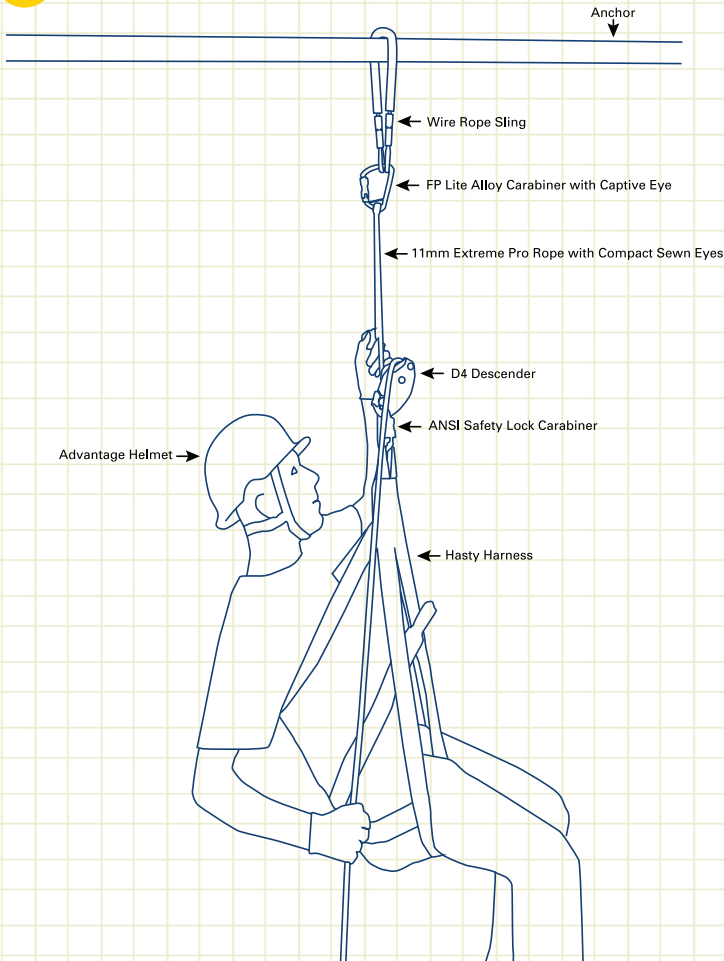
Select an appropriate anchor point for the escape/evacuation route.

Anchorage should be positioned above, in line with, and out of the way of the point of descent. Anticipate strength, direction of loading, potential abrasion, and any other factors which may affect anchor performance.

The Wire Rope Sling may be wrapped around a suitable anchorage and both ends clipped together with the carabiner that is attached to the sewn eye in the end of the rope. Ensure that anchor carabiner is locked before loading the system.

SELF-RESCUE BY CONTROLLED DESCENT

DIAGRAM A

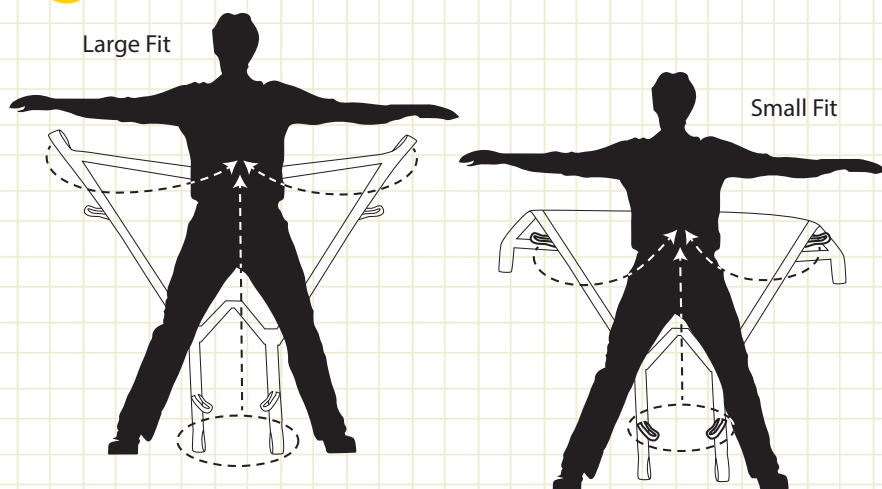


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USE *(continued)*

1. Wrap the Wire Sling around an appropriate strength designated anchor point for supporting live loads.
2. Clip the carabiner on the end of the rope through both Wire Sling end termination points.
3. Put on the Hasty Harness and ensure the proper fit. (See **DIAGRAM B**). Attach the ANSI Safety Lock Carabiner through the four required Hasty Harness connection points.

DIAGRAM B



4. Clip the ANSI Safety Lock Carabiner to the D4 and ensure that it is correctly attached to the rope. Make sure that the anchored end of the rope matches the anchor symbol on the inside of the D4 Descender where the rope enters the device on the left side when facing the device. Close the face plate completely until the button secures it shut. The rope that runs freely to the ground should be oriented to wrap over the curved lip of the device while being held by your brake hand. Pull the tail end of the rope up until the Hasty Harness is snug to your body. Sit down to test the proper function of your system while keeping your brake hand on the rope and oriented down to your right hip.
5. Check that the descent path is clear and that the entire length of rope is free from obstruction, tangling or hazards.
6. Holding the tail of the rope with your brake hand, pull the descender lever with your other hand until you are able to allow rope to travel through the D4 Descender by releasing tension slowly through your brake hand.

USE *(continued)*

7. Descend steadily, in a balanced and controlled manner, taking care to avoid abrasion, sharp edges, falls, or other hazards. If you pull too hard on the descender handle the panic lock function may stop your momentum. Simply rotate the handle in either direction to reset the device and continue descending. It is best practice to keep your brake hand on the rope until you safely reach your destination.
8. Once you have reached your destination, unclip the Hasty Harness from the descender and move to safety.

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.

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



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⚠ WARNING

WORK AND RESCUE AT HEIGHT IS INHERENTLY DANGEROUS! Death or serious injury could occur through misuse. Please thoroughly read and follow these instructions. Substitution or alteration of any of the components of this Rescue Solution are strictly prohibited by the manufacturer, will void any manufacturer warranties and may compromise the safety of the individuals using this product.

EQUIPMENT INSPECTION LOG

Item _____ **Model#** _____ **Date of Manufacture** _____

Date in service _____ **Lot/Serial#** _____

Date	Use/Maintenance	Comments	Name