



ROPE & EQUIPMENT FOR YOUR VERTICAL WORLD

Catalog № 221

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Ropes & equipment  
for your vertical world



## PROFESSIONAL ORGANIZATIONS

### **Association for Challenge Course Technology (ACCT)**

847-325-5860 | [www.acctinfo.org](http://www.acctinfo.org)

International trade association dedicated to advancement of the challenge course, aerial adventure park, canopy tour, and zip line industry.

### **American Society of Safety Professionals (ASSP)**

847-699-2929 | [www.assp.org](http://www.assp.org)

Supporting occupational safety and health (OSH) professionals in their efforts to prevent workplace injuries, illnesses and fatalities.

### **International Commission for Alpine Rescue (ICAR)**

[www.alpine-rescue.org](http://www.alpine-rescue.org)

Independent, worldwide organization that promotes cooperation and dissemination of information related to mountain rescue.

### **International Technical Rescue Symposium (ITRS)**

706-764-1437 | [www.itrsonline.org](http://www.itrsonline.org)

This annual symposium is the leading forum for up to date, state-of-the-art, technical rescue information.

### **Mountain Rescue Association (MRA)**

[www.mra.org](http://www.mra.org)

Volunteer organization dedicated to saving lives through rescue and safety education.

### **National Association for Search and Rescue (NASAR)**

703-222-6277 | [www.nasar.org](http://www.nasar.org)

Membership organization furthering professional, literary, and scientific knowledge and training in rescue fields.

### **National Park Service (NPS)**

202-208-6843 | [www.nps.gov](http://www.nps.gov)

Federal organization that oversees national parks and what happens in them.

### **National Safety Council (NSC)**

630-285-1121 | [www.nsc.org](http://www.nsc.org)

A membership organization dedicated to protecting life and promoting health.

### **National Wireless Safety Alliance**

703-459-9211 | [www.nws-a.org](http://www.nws-a.org)

NWSA provides independent assessments of knowledge and skills and verifiable worker certifications.

### **Society of Professional Rope Access Technicians (SPRAT®)**

[www.sprat.org](http://www.sprat.org)

Resource for information, networking, and support for companies and workers who use on-the-job rope access techniques.

## Your safety is our priority!

We're committed to providing accurate information, top-quality products, and educational resources for your safety.

We're so committed to the gear we make and how it's used, we actually invest resources into the standards-writing process and actively participate in ANSI, OSHA, NFPA, ASTM, ISO, and other professional efforts, all with your safety in mind.

If you have a question that isn't answered in this catalog, feel free to give us a call at 706-764-1437.

### **PMI Quality and Compliance**

Where applicable, PMI products are tested in accordance with appropriate national and international standards. In addition, PMI maintains an ISO 9001 Registered Quality program.



### **Research and Development**

Research and development at PMI begins in the field. Just meeting the standards isn't enough. Your gear has to conform to your needs, and it has to be practical and easy to use. In our mission to exceed your expectations, we look to customers and employees who use PMI gear to provide insight and critical analysis for our product development.

*You can rely on PMI.*



American National Standards Institute



Assurance Accountability Accreditation

*Prices and availability of products shown in this catalog are subject to change or lack of availability without notice.*



## CONTACT PMI

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**Mail:** PMI Inc. PO Box 803 LaFayette, GA 30728 USA

## CONTACT YOUR LOCAL PMI DEALER

To find the PMI Dealer nearest you, call:  
**North America:** 1-800-282-ROPE (7673)  
**International:** 1-706-764-1437  
**Or on the web at:** [www.pmirope.com](http://www.pmirope.com)

### Dealer and Direct Order Information

- Orders may be placed by phone, fax, or e-mail.
- Customer Service can be reached Monday through Friday from 8:30 am to 5:00 pm ET. If you call outside of these hours, please leave a message.
- When faxing or emailing an order, include a daytime phone number in case we need to contact you.
- Send e-mail orders to [custserv@pmirope.com](mailto:custserv@pmirope.com).
- Whether you call, fax, or e-mail us, make sure you indicate quantities, sizes, and color choices. Using our product numbers and descriptions will speed up your order. Date you need the order and if PMI may partial ship as ready.
- We accept purchase orders from governments, organizations, businesses, and schools with approved credit.
- Georgia/Colorado/Washington sales tax is required on all orders picked up or delivered in Georgia, Colorado, or Washington unless you have a Georgia, Colorado, or Washington tax exemption certificate on file with our office. All other applicable taxes are the purchaser's responsibility.

### International Orders

- For the fastest service and shipping information, Call: 1-706-764-1437, Fax: 1-706-764-1531 or send e-mail to [custserv@pmirope.com](mailto:custserv@pmirope.com). All international orders must be in writing.
- We must have a phone number and payment in advance before shipping your order.
- Payment for products and shipping must be in US Dollars. All international orders are EXWORKS. Wire transfer only for international orders. Contact International Customer Service for information.
- Duty and any other import taxes are not prepaid. You are responsible for duties, taxes, and any brokerage fees. Check with your local customs office for details.

### Government Sales

We welcome government bid/quote requests. Send your complete specifications and bid request to: *PMI Inc., P.O. Box 803, LaFayette, Georgia, 30728-0803* or fax to 1-800-952-3747. We accept purchase orders from government agencies such as rescue squads, fire departments, police departments, and land managers. Our standard terms of sale apply to all orders unless other arrangements are made in writing.

### Shipping Information

- All materials sold F.O.B. Shipping point. Customer assumes all insurance and delivery risks of loss or damage at F.O.B. point as provided in common law.
- If a shipping container is damaged when you receive it, open it and inspect the contents while the carrier is there. Report damage to the carrier by marking the freight bill before you accept or refuse the shipment.
- If the container looked okay but the contents were damaged or items are missing, please contact us. We must be notified of any shipping discrepancies within 15 days of receipt of our package or invoice.
- We ship rush orders via UPS or Fed-Ex.
- Oversized items will be shipped Motor Freight.

### Payment Options

If you don't have an account with PMI, we offer the following alternative methods of payment:

- Prepaid - Cashier's check or money order, payable to Pigeon Mountain Industries.
- C.O.D. - Cashier's Check or Money Order.
- Visa, Master Card, or American Express - The minimum charge purchase is \$25.00. Please be sure to include the complete number, your name as it appears on the card, the expiration date, and the phone number and billing address for the card.
- Sorry, we do not accept personal checks.

*High angle rope techniques are inherently dangerous. Please take the time to read and understand this catalog and all instructions that come with the equipment you purchase. The information in this catalog is provided for making purchasing decisions only and is NOT a substitute for competent instruction and training in safety techniques. It is the responsibility of the user of this equipment to obtain competent instruction and to take adequate precautions for safety when using this equipment. The equipment described in this catalog is designed and tested for use in rope access, rescue, confined space, climbing, mountaineering, and caving. Use in any other application is at the discretion of the user.*



## STANDARDS AND REGULATORY RESOURCES

PMI puts major funding and time into supporting the development of consensus standards for safety in work and rescue.

### American National Standards Institute (ANSI)

202-293-8020 | [www.ansi.org](http://www.ansi.org)

Voluntary consensus standards pertaining to work and industry, including fall protection, safety equipment, etc. ANSI is the official USA contact for ISO standards.

### ASTM International

610-832-9585 | [www.astm.org](http://www.astm.org)

Full consensus, voluntary standards on a variety of topics including search and rescue operations and equipment.

### Cordage Institute (CI)

610-971-4854 | [www.ropecord.com](http://www.ropecord.com)

Cordage standards pertaining to all varieties of rope, including life safety rope.

### National Fire Protection Association (NFPA)

617-770-3000 | [www.nfpa.org](http://www.nfpa.org)

Industry consensus standards for public and firefighter safety.

### Occupational Safety and Health Administration (OSHA)

800-321-OSHA (6742) | [www.osha.gov](http://www.osha.gov)

Federal regulatory agency regulating workplace safety through mandatory regulations. Pertinent regulations include fall protection and confined space.

### National Association of Tower Erectors (NATE)

605.882.5865 | [www.natehome.com](http://www.natehome.com)

Trade association providing a unified voice for wireless and broadcast tower erection, maintenance and service companies.

### Federal Emergency Management Association (FEMA)

[www.fema.gov](http://www.fema.gov)

Government agency coordinating government-wide relief efforts before, during, and after disasters.

### 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 rescue and outdoor activities such as, but not limited to, rope 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.

## YOU ARE THE BEST PART OF PMI!

Your vertical gear should be as unique and specialized as you are.

Whether you're working at the tip of a thousand-foot tower, in the depths of a convoluted confined space, or anywhere in-between, our goal is to provide you with the best equipment to perform the job safely, efficiently, and with excellence.

PMI has been manufacturing ropes and equipment in the USA for over 45 years. Our interest in the gear comes first and foremost from our passion for the work that takes us to the highest heights and the deepest depths. Our roots were formed in caving and cave rescue 'way back in 1976, and through the influence of our employees and partners quickly progressed to encompass a wider range of technical rope rescue and work at height. Through our distribution network we have proudly introduced some of the finest, most cutting-edge hardware and equipment brands to rope technicians in the USA, and over the years have helped to develop many of the principles by which work and rescue are done.

PMI provided the initial funding and manpower for the founding of the Society of Professional Rope Access Technicians (SPRAT); in fact for the first several years SPRAT's offices were right here at PMI World Headquarters in north Georgia. We've also worked closely with NFPA and ANSI standards development for more than 25 years, all the while striving toward higher quality, lighter-weight gear and enhanced user-information.

Our driving principle at PMI is, "do the right thing." Whether it's the care we take in manufacturing top quality, cutting-edge gear, the thorough vetting of our distributed brands, or the extents we go to in serving our customers, we'll never stop working to earn your trust. To that end, this catalog contains some of the finest ropes and equipment you can choose for working safely at height. You'll find even more details, downloadable spec sheets, and contact information for some of our top dealers at our website, [pmirope.com](http://pmirope.com). As always, if there's any way we can serve you please don't hesitate to reach out by phone 800.282.ROPE(7673) or email [custserv@pmirope.com](mailto:custserv@pmirope.com).

Loui McCurley, CEO  
And the Entire PMI Team





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Rope is the foundation of any vertical system. PMI offers a wide range of materials and constructions for every application

Rope

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Small diameter cordage and webbing, by the spool or in sewn configurations, for all your rigging needs

Webbing  
and Cordage

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Harnesses, Helmets, Gloves and more. Optimum comfort and regulatory compliance for professionals

Personal  
Gear

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Whether you're looking for Carabiners, Pulleys, Descenders or other hardware, you can rely on PMI for safety and performance

Hardware

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Simple, elegant solutions to equip you with task-specific tools to complete your mission with confidence

Solutions  
and Kits

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Rigid litters, soft litters, litter wheels, and other gear for patient care during technical rescue and evacuation

Patient  
Care

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Rope bags, gear bags, and organizational tools help improve efficiency... which leads to safety

Logistics and  
Support Gear

PMI's Vertical Rescue Solutions Training and a solid collection of books and training tools to support the informed Rope Technician

Training and  
Education



11 mm PMI® Extreme Pro™ (G)  
Rope with UNICORE®

PR110E2FEETUCG



# ROPE

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Creating the High Angle Technician's favorite rope is part science, part art. PMI's 40-plus year reputation for creating the toughest, most abrasion resistant, and most reliable life safety rope comes from a refined blending of technology and passion. Conceived in the field, crafted in our factories, and grounded by research and testing, PMI offers a wide range of ropes, all designed to make your world safer.

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#### **PMI Custom Ropes**

As America's premier rope company, PMI will make a rope in the length you want in either feet or meters. PMI Ropes are made right here in the USA, and customizing solutions to fit your needs is one of our specialties. Give us a call! Minimum order applies.



# UNICORE®, STATIC, LOW STRETCH, SPECIALTY ROPE

Diameter (mm)	Rope Name	Color	MBS kN (lbf)	Weight (g/m)	Sheath/ Core	Compliant	Page
<b>7</b>	PMI® Water Rescue	● ●	8 (1798)	34	Nylon/ Polypropylene	N/A	15
<b>7.5</b>	PMI® Element	● ●	24.4 kN (5500)	44	Technora™/ Technora™	NFPA 1983 (2012), E	15
	PMI® PER	● ●	18.4 (4147)	39	Nylon/ Nylon	NFPA 1983 (2017), E	15
<b>8</b>	PMI® Dura-Shield Explorer	● ● ●	27.8	43	Nylon/ Nylon	N/A	15
<b>9</b>	PMI® Hudson Classic Professional	● ●	18.3 (4114)	53	Nylon/ Nylon	EN 1891-A, NFPA 1983 (2012), T	10
	EZ Bend™ PMI® Hudson Classic Sport Rope	● ●	18.3 (4114)	53	Nylon/ Nylon	EN 1891-A, NFPA 1983 (2012), T	13
	Pit Rope Max Wear™	● ●	23 (5170)	52.6	Nylon/ Nylon	NFPA 1983 (2012), G	10
<b>10</b>	PMI® Hudson Classic Professional	● ● ● ● ● ●	27.1 (6092)	66	Nylon/ Nylon	NFPA 1983 (2017), T EN 1891-A CI1801, Static	10
	EZ Bend™ PMI® Hudson Classic Sport Rope	● ●	26.5 (5957)	66	Nylon/ Nylon	EN 1891-A, NFPA 1983 (2012), T	13
<b>10.5</b>	PMI® Hudson Classic Pro- Max Wear	● ●	28.8 (6473)	66	Nylon/ Nylon	NFPA 1983 (2012), T	13
	PMI® Water Rescue	● ●	16 (3597)	62	Nylon/ Polypropylene	N/A	15
<b>11</b>	PMI® Patriot Vertical Lifeline	● ● ●	32.7 (7344)	80	Nylon Sheath/ Nylon Core	ANSI Z359.15 (2014), EN 1891-A, NFPA 1983 (2017), T	11
	PMI® Hudson Classic Pro- Max Wear	● ●	33.2 (7456)	80	Nylon/ Nylon	NFPA 1983 (2012), T	11
	PMI® Dura-shield™ Tech	● ●	29.5 (6635)	84.1	Technora®/ Nylon	NFPA 1983 (2017), T CI1801, Low Stretch	15
	PMI® Access Pro	● ●	31.1 (7000)	84	Polyester/ Nylon	NFPA 1983, T (2017) EN 1891-A CI1801, Low Stretch	15
<b>11.5</b>	PMI® Extreme Pro™	● ● ● ● ●	42.9 (9644)	100	Polyester/ Nylon	NFPA 1983 (2017), T CI1801, Static ANSI Z359.15, 2014	14
	PMI® Hudson Classic Professional	● ● ● ● ● ●	32.7 (7344)	80	Nylon/ Nylon	NFPA 1983 (2017), T ANSI Z359.15 EN 1891-A CI1801, Static	11
	PMI® PIT	● ●	31 (6969)	85	Nylon/ Nylon	NFPA 1983 (2012), G	13
	PMI® Isostatic	● ● ●	32.8 (7388)	96	Polyester/ Polyester	NFPA 1983 (2012), T	14



Diameter (mm)	Rope Name	Color	MBS kN (lbf)	Weight (g/m)	Sheath/ Core	Compliant	Page
<b>12.5</b>	PMI® Old Glory w/Unicore®		44.5 (10009)	107	Nylon/Nylon	NFPA 1983 (2017), G CI1801, STATIC ANSI Z359.15, 2014	14
	PMI® Hudson Classic Professional EZ BEND		43.6 (9804)	104	Nylon/ Nylon	ANSI Z359.15 (2014), EN 1891-A, NFPA 1983 (2017), G	12
	PMI® Hudson Classic Professional w/Unicore®		44.5 (10009)	107	Nylon/ Nylon	ANSI Z359.15 (2014), EN 1891-A, NFPA 1983 (2017), G	14
	PMI® Classic Retro		43.6 (9804)	104	Nylon/ Nylon	ANSI Z359.15 (2014), NFPA 1983 (2017), G	13
	PMI® Dura-shield™ General Use		44.2 (9944)	110.9	Technora®/ Nylon	NFPA 1983 (2017), G CI1801, Low Stretch	15
<b>13</b>	PMI® Isostatic		45.9 (10328)	125	Polyester/ Polyester	NFPA 1983 (2012), T	14
<b>16</b>	PMI® Hudson Classic Professional		72.6 (16330)	145	Nylon/ Nylon	NFPA 1983 (2017), G CI1801, Static ANSI Z359.15, 2014	12

## DYNAMIC ROPE

Diameter (mm)	Rope Name	Color	Falls	Weight (g/m)	Sheath/ Core	UIAA Classification	Compliant UIAA	Page
<b>8.1</b>	Wild Thing		8 18	42.1	Nylon/ Nylon	Half Twin	EN 892	16
<b>8.9</b>	Erratic w/Unicore		7 31 45	55	Nylon/ Nylon	Single Half Twin	EN 892	16
<b>10.2</b>	Blaster		11	69	Nylon/ Nylon	Single	EN 892	16
<b>10.6</b>	PMI® Gym Pro		8	69	Nylon/ Nylon	Single	EN 892	16
<b>11</b>	Latitude		16	81	Nylon/ Nylon	Single	EN 892	16

Webbing and Cordage

Personal Gear

Hardware

Solutions and Kits

Patient Care

Logistics and Support Gear

Training and Education

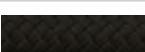


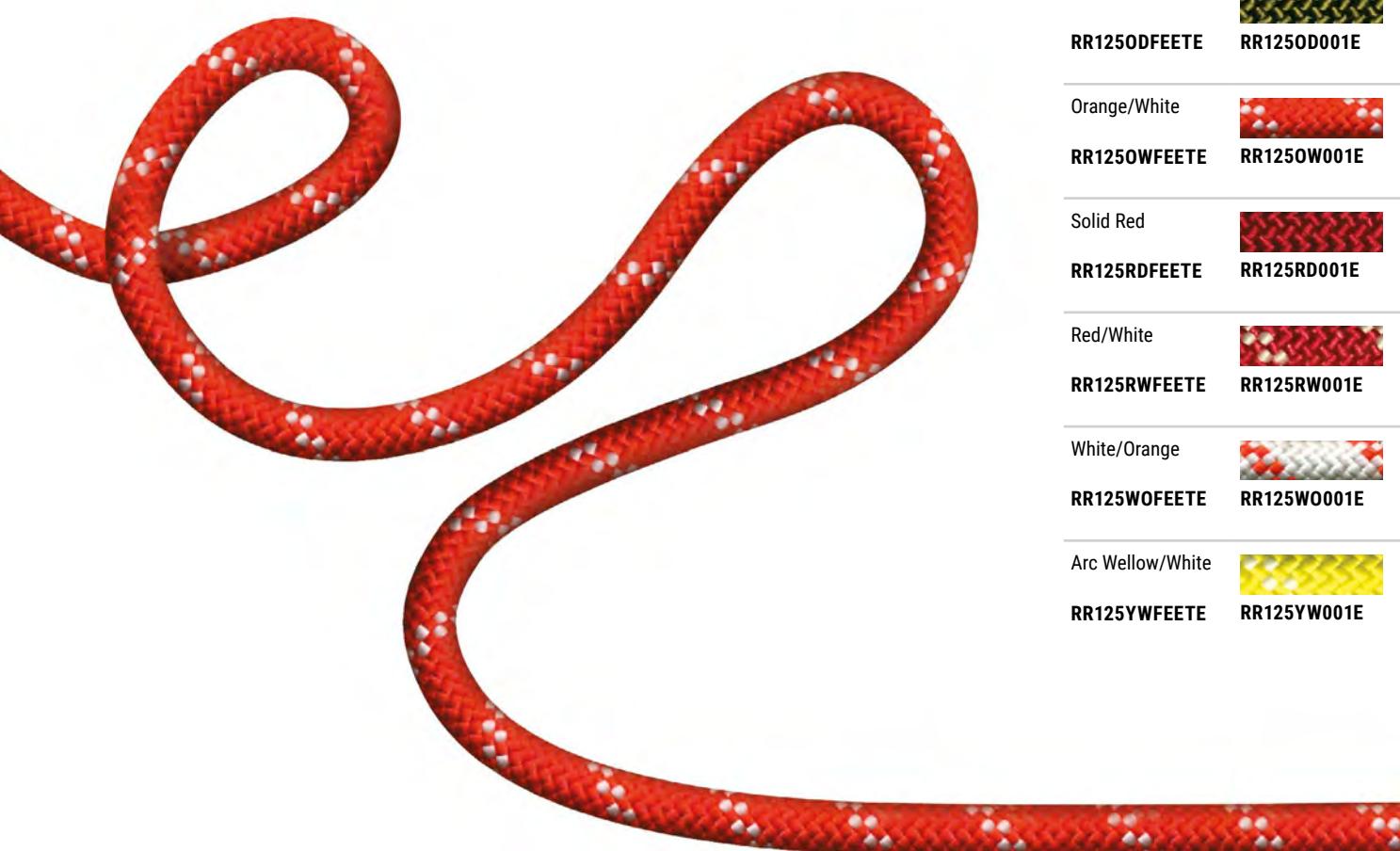
## STATIC ROPE

In the United States, STATIC Rope is differentiated from LOW-STRETCH. Cordage Institute Life Safety Rope standards classify a rope having less than 6% elongation at 10% of its minimum breaking strength (MBS) as STATIC. Static ropes are useful for highlines, ascending/descending, and maintaining load stability. There are no equivalent designations for Static Rope in European (EN) standards.

Content	Key Features	Technical Characteristics	Feet	Meters
<b>9 mm EZ Bend™ PMI® Hudson Classic Professional Rope</b> PMI®'s Classic Escape has maximum abrasion resistance and a good strength to weight ratio. At 9 mm and 10 mm, it's perfect for single person rope work.  <b>COMPLIANT: EN 1891-A, NFPA 1983 (2012), T</b>	<ul style="list-style-type: none"> <li>• NFPA Certified</li> <li>• 16 carrier construction</li> <li>• CI 1801</li> <li>• Third party certified by UL (Underwriters Laboratories)</li> <li>• Torsionally balanced, continuous filament nylon</li> <li>• Available in many colors</li> <li>• Also available in custom colors &amp; lengths</li> <li>• EZ-Bend construction</li> </ul>	<b>53 g/m</b> <b>MBS:</b> ..... 18.3 kN (4114 lbf) <b>Knotability:</b> .0.6 <b>Sheath</b> <b>Content:</b> ..... 49.0% <b>Elongation:</b> 3.7% at 300 lbf 5.4% at 600 lbf 7.6% at 1000 lbf 4.3% at 10% MBS	Orange/Black  <b>RR090BFEETE</b>	 <b>RR090B001E</b>
			White/Black  <b>RR090WBFEETE</b>	 <b>RR090WB001E</b>
<b>10 mm EZ Bend™ PMI® Hudson Classic Professional Rope</b> PMI®'s Classic Escape has maximum abrasion resistance and a good strength to weight ratio. At 9 mm and 10 mm, it's perfect for single person rope work.  <b>COMPLIANT: EN 1891-A, NFPA 1983 (2012), T</b>	<ul style="list-style-type: none"> <li>• NFPA Certified</li> <li>• 16 carrier construction</li> <li>• CI 1801</li> <li>• Third party certified by UL (Underwriters Laboratories)</li> <li>• Torsionally balanced, continuous filament nylon</li> <li>• Available in many colors</li> <li>• Also available in custom colors &amp; lengths</li> <li>• EZ-Bend construction</li> </ul>	<b>66 g/m</b> <b>MBS:</b> ..... 27.1kN (6092 lbf) <b>Knotability:</b> .1.0 <b>Shrinkage:</b> ..2.8% <b>Sheath</b> <b>Content:</b> ..... 42.8% <b>Elongation:</b> 1.9% at 300 lbf 4.0% at 600 lbf 6.4% at 1000 lbf 4.4–4.6% at 10% MBS	Black  <b>RR100BKFEETE</b>	 <b>RR100BK001E</b>
			Blue/White  <b>RR100BWFEETE</b>	 <b>RR100BW001E</b>
			OD Green  <b>RR1000DFFEETE</b>	 <b>RR1000D001E**</b>
			Orange/White  <b>RR1000WFEETE</b>	 <b>RR1000W001E</b>
			Red/White  <b>RR100RWFEETE</b>	 <b>RR100RW001E</b>
			White/Orange  <b>RR100WOFEEETE</b>	 <b>RR100W001E</b>



Content	Key Features	Technical Characteristics	Feet	Meters
<b>11 mm (7/16") EZ Bend™ PMI® Hudson Classic Professional Rope</b> This rope is for professionals who seek high abrasion resistance. The 11 mm version of a popular rope has a burly sheath design loved by many. <b>COMPLIANT:</b> ANSI Z359.15 (2014), EN 1891-A, NFPA 1983 (2017), T	<ul style="list-style-type: none"> <li>NFPA Certified</li> <li>16 carrier construction</li> <li>CI 1801</li> <li>Third party certified by UL (Underwriters Laboratories)</li> <li>Torsionally balanced, continuous filament nylon</li> <li>Available in many colors</li> <li>Also available in custom colors &amp; lengths</li> <li>EZ-Bend construction</li> </ul>	<b>80 g/m</b> <b>32.7 kN (7344 lbf)</b> <b>Knotability:</b> ..... 0.9 <b>Shrinkage:</b> ..... 3.2% <b>Sheath Content:</b> ..... 50.4% <b>Elongation:</b> 1.6% at 300 lbf 3.0% at 600 lbf 5.8% at 1000 lbf 8.8% at 1800 lbf 3.4–4.4% at 10% MBS	Blue/Black  RR110BBFEETE	  RR110BB001E
			Black  RR110BKFEETE	  RR110BK001E
			Solid Blue  RR110BLFEETE	  RR110BL001E
			Orange/Black  RR110OBFEETE	  RR110OB001E
			Red/Black  RR110RBFEETE	  RR110RB001E
			Solid Red  RR110RDFEETE	  RR110RD001E
			White/Black  RR110WBFEETE	  RR110WB001E
			Arc Yellow/Black  RR110YBFEETE	  RR110YB001E
			OD Green  RR110ODFEETE	  RR110OD001E
<b>11 mm (7/16") Max Wear PMI® Hudson Classic Professional Rope</b> An extreme rope for extreme environments. Super abrasion resistance, stiffness, and durability ensure the best use in rugged terrain conditions. <b>COMPLIANT:</b> NFPA 1983 (2012), T		<b>0.1804 lbs</b> <b>80.0 g/m</b> <b>33.2 kN (7456 lbf)</b> <b>Elongation:</b> 1.8% at 300 lbf 3.6% at 600 lbf 5.9% at 1000 lbf 4.4–4.6% at 10% MBS	White/Black 656 ft (200 m)  RR110WB200M	  RR110WB001E
<b>11 mm (7/16") PMI® Patriot Vertical Lifeline</b> A great-looking, high-visibility rope with a durable 16-carrier sheath. PMI PATRIOT has a competitive price and great performance for maximum comfort. <b>COMPLIANT:</b> ANSI Z359.15 (2014), EN 1891-A, NFPA 1983 (2017), T	<ul style="list-style-type: none"> <li>High visibility white base</li> <li>Bold Color Differentiation</li> <li>Competitively priced</li> <li>Durable 16-Carrier sheath</li> <li>Nylon Sheath/Nylon Core</li> </ul>	<b>80 g/m</b> <b>32.7 kN (7344 lbf)</b> <b>Elongation:</b> 1.6% at 300 lbf 3.0% at 600 lbf 5.8% at 1000 lbf	Fleck Blue  RR110FBFEETE	  RR110FB001E
			Fleck Red/Black  RR110FZFEETE	  RR110FZ001E



## 12.5 mm (1/2") EZ Bend™ PMI® Hudson Classic Professional Rope

Designed for rugged or harsh environments, this 12.5 mm rope has high abrasion resistance for real-world application to suit any professional.

**COMPLIANT:** ANSI Z359.15 (2014), EN 1891-A, NFPA 1983 (2017), G

Content	Key Features	Technical Characteristics	Feet	Meters
<b>12.5 mm (1/2") EZ Bend™ PMI® Hudson Classic Professional Rope</b>	<ul style="list-style-type: none"> <li>NFPA Certified</li> <li>16 carrier construction</li> <li>CI 1801</li> <li>Third party certified by UL (Underwriters Laboratories)</li> <li>Torsionally balanced, continuous filament nylon</li> <li>Available in many colors</li> <li>Also available in custom colors &amp; lengths</li> <li>EZ-Bend construction</li> </ul>	104 g/m 43.6 kN (9804 lbf) <b>Knotability:</b> ..... 1.4 <b>Shrinkage:</b> ..... 2.7% <b>Sheath Content:</b> 41.0% <b>Elongation:</b> 0.8% at 300 lbf 2.0% at 600 lbf 3.9% at 1000 lbf 6.9% at 1800 lbf 3.6–4.2% at 10% MBS	Black  <b>RR125BKFEETE</b>	 <b>RR125BK001E</b>
			Solid Blue  <b>RR125BLFEETE</b>	 <b>RR125BL001E</b>
			Blue/White  <b>RR125BWFEEETE</b>	 <b>RR125BW001E</b>
			OD Green  <b>RR125ODFEETE</b>	 <b>RR125D001E</b>
			Orange/White  <b>RR125OWFEETE</b>	 <b>RR125W001E</b>
			Solid Red  <b>RR125RDFEETE</b>	 <b>RR125R001E</b>
			Red/White  <b>RR125RWFEETE</b>	 <b>RR125W001E</b>
			White/Orange  <b>RR125WOFEEETE</b>	 <b>RR125W001E</b>
			Arc Yellow/White  <b>RR125YWFEETE</b>	 <b>RR125W001E</b>

## 16 mm (5/8") EZ Bend™ PMI® Hudson Classic Professional Rope

This rope is easy to grip due to the tough nylon. High abrasion resistance and a 16 carrier construction make it best for real-world application.

**COMPLIANT:** NFPA 1983 (2017), G,  
STATIC ANSI Z359.15, 2014

<b>16 mm (5/8") EZ Bend™ PMI® Hudson Classic Professional Rope</b>	<ul style="list-style-type: none"> <li>NFPA Certified</li> <li>16 carrier construction</li> <li>CI 1801</li> <li>Third party certified by UL (Underwriters Laboratories)</li> <li>Torsionally balanced, continuous filament nylon</li> <li>Available in many colors</li> <li>Also available in custom colors &amp; lengths</li> </ul>	145.0 g/m 72.6 kN (16330 lbf) <b>Elongation:</b> 0.9% at 300 lbf 1.8% at 600 lbf 2.4% at 1000 lbf 2.8% at 1800 lbf 3.6–4.8% at 10% MBS	Blue/White  <b>RR160BWFEEETE</b>	 <b>RR160BW001E</b>
			Yellow/White  <b>RR160YWFEETE</b>	 <b>RR160Y001E</b>
			White/Orange  <b>RR160WOFEEETE</b>	 <b>RR160W001E</b>



Content	Key Features	Technical Characteristics	Feet	Meters
<b>PMI® Hudson Classic Professional Rope Max Wear™</b> Extreme environments require this extreme rope. Those who work in rugged terrain appreciate the superior abrasion resistance of this sturdy line. Also available in custom colors and lengths. This rope is extremely durable, but it has a much stiffer hand than PMI® Classic. PMI® Max Wear also has only one stripe over the base color while Classic EZ-Bend has two stripes over the base color. Contact PMI customer service for availability, delivery and custom pricing. <b>COMPLIANT: NFPA 1983 (2012), T</b>		<b>10 mm (25/64)</b> 66.0 g/m 28.8 kN (6473 lbf) <b>Elongation:</b> 2.2% at 300 lbf 4.4% at 600 lbf 7.1% at 1000 lbf 4.2–5.4% at 10% MBS	White/Orange 656 ft (200 m)	
		<b>11 mm (7/16)</b> 80.0 g/m 33.2 kN (7456 lbf) <b>Elongation:</b> 1.8% at 300 lbf 3.6% at 600 lbf 5.9% at 1000 lbf 4.4–4.6% at 10% MBS	White/Black 656 ft (200 m)	
<b>EZ Bend™ PMI® Hudson Classic Sport Rope</b> PMI® Classic static rope has been at the heart of mountaineering and caving worldwide for over 30 years. Extreme durability and substance you can rely on are what this rope is known for. Built to exacting Cordage Institute Life Safety Rope requirements, this rope features a hard-wearing 16-carrier nylon sheath and a static core design. PMI® Classic Sport rope normally features an EZ-Bend Sheath, offering a fine balance between extraordinary abrasion-resistance and good knotability. For even greater abrasion resistance, consider asking about PMI® MaxWear. Characterized by greater sheath tension, the knotability of PMI® Classic MaxWear is not anything to write home about, but for durability it simply cannot be beat. Any of the ropes below can be ordered with the MaxWear sheath design – just replace the E at the end of the part number with an M . . . Or ask your friendly PMI representative to assist you.	<ul style="list-style-type: none"> <li>16 carrier construction</li> <li>Nylon</li> <li>Classic construction</li> </ul>	<b>9 mm (23/64)</b> 0.116 lbs	White/Red/Black	
		<b>10 mm (25/64)</b> 0.1804 lbs	White/Red/Black	
<b>Pit Rope Max Wear™</b> PIT ROPE is the Gold Standard of caving ropes, as it's the longest-lasting rope with the lowest elongation. Compatible with most SRT climbing systems. <b>COMPLIANT: NFPA 1983 (2012), G</b>		<b>9 mm (23/64)</b> 52.6 g/m 23 kN (5170 lbf) <b>Elongation:</b> 3.0% at 300 lbf 4.8% at 600 lbf 8.2% at 1000 lbf 7.5% at 10% MBS	White	
		<b>11 mm (7/16)</b> 85 g/m 31 kN (6969 lbf) <b>Elongation:</b> 1.8% at 300 lbf 3.6% at 600 lbf 7.0% at 1000 lbf 4.6% at 10% MBS	White	
<b>12.5 mm (1/2) PMI RETRO Rope</b> PMI® RETRO is the longest lasting, highest visibility rope for low light environments. Comes in Classic, Water Rescue, and multi-Cord designs. <b>COMPLIANT: ANSI Z359.15 (2014), NFPA 1983 (2017), G</b>	<ul style="list-style-type: none"> <li>Classic EZ-Bend</li> <li>Retro reflective filaments</li> <li>Increases nighttime safety</li> </ul>	<b>104 g/m</b> 43.6 kN (9804 lbf) <b>Knotability:</b> ..... 1.4 <b>Shrinkage:</b> ..... 2.7% <b>Sheath Content:</b> 41.0% <b>Elongation:</b> 0.8% at 300 lbf 2.0% at 600 lbf 3.9% at 1000 lbf 3.6–4.2% at 10% MBS	Yellow/Brown/ Retro	



Content	Key Features	Technical Characteristics	Feet	Meters
<b>PMI® Isostatic Polyester</b> This polyester rope has a super low elongation. It stays round and has low slippage, which comes in handy for specialty applications like highlines. <b>COMPLIANT: NFPA 1983 (2012), T</b>	<ul style="list-style-type: none"> <li>NFPA Certified</li> <li>32 carrier construction</li> <li>100% polyester construction</li> <li>Resists flattening under load</li> </ul>	<b>11.5 mm (7/16)</b> 96 g/m 32.8 kN (7388 lbf) 1.0% at 300 lbf 1.6% at 600 lbf 2.2% at 1000 lbf 1.4–2.2% at 10% MBS	Orange/Black/ Green <b>PR110BGFEETPP</b>	PR110BG001PP
		<b>13 mm (1/2)</b> 125 g/m 45.9 kN 1.2% at 300 lbf 1.6% at 600 lbf 2.1% at 1000 lbf 1.4–2.2% at 10% MBS	Blue/White/Green <b>PR130BGFEETPP</b>	PR130BG001PP
			Orange/White/ Green <b>PR1300GFEETPP</b>	PR1300G001PP
<b>11 mm PMI® Extreme Pro™ (G) Rope with UNICORE®</b> This rope with Unicore® technology ensures nearly zero sheath slippage and allows the rope technician to pass a cut or torn sheath area safely. <b>COMPLIANT: ANSI Z359.15, NFPA 1983:2017 (G)</b>	<ul style="list-style-type: none"> <li>Unicore® technology</li> <li>Nearly zero sheath slippage</li> <li>Sheath - 100% Polyester</li> <li>Core - 100% Nylon 6.6</li> <li>High Strength: weight ratio</li> <li>Easy to handle</li> </ul>	100 g/m 42.9 kN (9644 lbf) 1.4% at 300 lbf 2.6% at 600 lbf 4.8% at 1000 lbf 7.9% at 1800 lbf <b>Elongation:</b> ..... at 10% MBS 4.7%	Green/White/ Orange <b>PR110E1FEETUCG</b>	PR110E1001UCG
			Coyote/White/ Orange <b>PR110E2FEETUCG</b>	PR110E2001UCG
			Blue/White/Black <b>PR110E3FEETUCG</b>	PR110E3001UCG
			Red/White/Black <b>PR110E4FEETUCG</b>	PR110E4001UCG
<b>12.5 mm PMI® Old Glory with Unicore®</b> OLD GLORY is made for rescue with a perfect bond between sheath and core. It has low slippage and cannot bunch to create an impasse, ensuring safety. <b>COMPLIANT: NFPA 1983 (2017), G CI1801, STATIC ANSI Z359.15, 2014</b>	<ul style="list-style-type: none"> <li>Unicore® technology</li> <li>Nearly zero sheath slippage</li> <li>NFPA Certified</li> <li>16-carrier construction</li> <li>CI 1801 Certified</li> <li>Torsionally balanced, continuous filament nylon</li> </ul>	107 g/m 44.5 kN (10009 lbf) 0.7% at 300 lbf 1.6% at 600 lbf 3.5% at 1000 lbf 6.3% at 1800 lbf 3.0–4.4% at 10% MBS	Old Glory <b>RR125USFEETUC</b>	RR125US001UC
<b>12.5 mm EZ Bend™ PMI® Hudson Classic Professional Rope with Unicore®</b> Designed for rugged or harsh environments, this 12.5 mm rope has high abrasion resistance for real-world application to suit any professional. <b>COMPLIANT: ANSI Z359.15 (2014), EN 1891-A, NFPA 1983 (2017), G</b>	<ul style="list-style-type: none"> <li>Unicore® technology</li> <li>Nearly zero sheath slippage</li> <li>NFPA Certified</li> <li>16-carrier construction</li> <li>CI 1801 Certified</li> <li>Torsionally balanced, continuous filament nylon</li> </ul>	107 g/m 44.5 kN (10009 lbf) 0.7% at 300 lbf 1.6% at 600 lbf 3.5% at 1000 lbf 6.3% at 1800 lbf 3.0–4.4% at 10% MBS	Blue/White <b>RR125BWFEETUC</b>	RR125BW001UC
			Orange/White <b>RR1250WFEETUC</b>	RR1250W001UC





Content	Key Features	Technical Characteristics	Feet	Meters
<b>8 mm PMI® Dura-Shield Explorer Rope</b> PMI's 8 mm expedition rope is ideal for everything from caving to canyoneering and any other adventure that you can conceive! It is a lightweight, abrasion-resistant static rope that repels water and handles great while ascending and descending the most challenging routes.	<ul style="list-style-type: none"> <li>Technora/polyester sheath</li> <li>Dyneema/ polypropylene – plus staple polyester</li> <li>32 Carrier Sheath</li> </ul>	27.8 kN 3.5% at 10% MBS	Green/Blue <b>SR080GRFEET</b>	
			Orange/Green <b>SR080ORFEET</b>	
<b>PMI® Dura-Shield</b> A brand new PMI rope, HeatShield™ is an excellent choice for rope access work for anyone needing rope with superior sheath abrasion and heat resistant properties such as those performing work at bridges, dams, towers or industrial sites. If there is a chance your rope may contact a sharp edge, hot pipes, or anything hot nearby, consider this rope for the job. The sheath is 100% Technora® featuring a high tensile strength, good fatigue resistance, heat resistance, excellent dimensional stability, and chemical resistance.	<ul style="list-style-type: none"> <li>Sheath - 100% Technora®</li> <li>Core - 100% Nylon 6.6</li> <li>High modulus of elasticity</li> <li>Low creep</li> <li>Low thermal shrinkage</li> <li>Thermal decomposition threshold 500 °C (932 °F)</li> <li>Can be used for long periods at a temperature of 250 °C (482 °F)</li> </ul>	<b>11 mm (7/16") Tech Rope</b> 84.1 g/m 29.5 kN (6635 lbf) 2.4% at 300 lbf 5.1% at 600 lbf 8.2% at 1000 lbf 8.6% at 10% MBS	Natural Gold <b>HS110TGFEETA</b>	
			<b>12.5 mm (1/2") General Use</b> 110.9 g/m 44.2 kN (9944 lbf) 2.5% at 300 lbf 5.0% at 600 lbf 7.6% at 1000 lbf 8.8% at 10% MBS	Natural Gold <b>HS1250TGFEETA</b> <b>HS125TG001A</b> 
<b>11 mm (7/16") PMI® Access Pro rope</b> This revolutionary rope has extreme performance and flexibility. Polyester sheath and nylon core make it perfect for Rope Access and Fall Protection.	<ul style="list-style-type: none"> <li>32 carrier construction</li> <li>Polyester sheath</li> <li>With nylon core</li> <li>A superior hand for Fall Arrest and Rope Access applications</li> </ul>	84 g/m 31.1 kN (7000 lbf) 3.0% at 300 lbf 6.2% at 600 lbf 3.0% at 1000 lbf 6.8–7.4% at 10 MBS	Red/Black <b>IR110RBFEETP</b>	
			<b>IR110RB001P</b>	
<b>7.5 mm PMI® ELEMENT Escape Line</b> PMI ELEMENT decomposes at 930°F, so it's the best for extreme temperature conditions, as well as fire due to its blue polyester heat indicator.	<ul style="list-style-type: none"> <li>NFPA</li> <li>32 Carrier</li> <li>Blue polyester heat indicator</li> <li>Custom lengths available</li> <li>Technora™ Sheath/ Technora™ Core</li> </ul>	0.98 lbs 44 g/m <b>MBS: .....24.4 kN (5500 lbf)</b> 1.0% at 1000 lbf 1.3% at 600 lbf 1.7% at 300 lbf	Gold/Blue <b>RR075TGFEET</b>	
			<b>RR075TG001</b>	
<b>7.5 mm PMI® PER PERSONAL ESCAPE ROPE</b> Extreme strength and an energy-absorbing core make PMI PER the best choice for firefighters and rescuers who need a reliable rope companion.	<ul style="list-style-type: none"> <li>NFPA 1983</li> <li>UL</li> <li>Energy absorbing core</li> <li>Nylon Sheath /Nylon Core</li> </ul>	39 g/m 18.4 kN (4147 lbf) 6.8% at 300 lbf 12.2% at 600 lbf 16.0% at 1000 lbf	Yellow <b>RR075YLFEET</b>	
			<b>RR075YL001</b>	
<b>PMI® Water Rescue Rope</b> WATER RESCUE is made for shore based water rescue. Its propylene core with nylon sheath ensures flotation, high breaking strength, and an easy grip.	<ul style="list-style-type: none"> <li>Continuous polypropylene core</li> <li>Lightweight</li> <li>Nylon sheath</li> </ul>	0.173 lbs 62.0 g/m 16 kN (3597 lbf)	Yellow/blue <b>WR070YXFETE</b>	
			<b>WR070YX001E</b>	
		<b>10 mm</b> <b>WR100YXFETE</b> <b>WR100YX001E</b>		



Content	Technical Characteristics	SKU
<b>8.1 mm Wild Thing Dynamic Rope</b> With a fall rating of 18 for Twin rope use, WILD THING is ideal for sport, track routes, or ice climbs. It's UltraDry™ treated to fit extreme conditions.  <b>COMPLIANT:</b> UIAA 101   EN 892	42.1 g/m <b>Falls:</b> ..... Half 8, Twin 18 <b>Impact Force:</b> ... Half 5.2 kN, Twin 8.9 kN <b>Extension:</b> ..... Half 35%, Twin 24% 8.9% at 5–80kg(UIAA)-Half 7.2% at 5–80kg(UIAA)-Twin <b>Number of Sheath Carriers:</b> 32	Hot Orange Sheen  60 m (197 ft) DR081LJ060D 70 m (230 ft) DR081LJ070D
<b>8.9 mm Erratic Dynamic Rope with UNICORE®</b> ERRATIC is an ultra-lightweight rope with a solid feel and precision control, as well as Unicore® technology for zero sheath slippage.  <b>COMPLIANT:</b> UIAA 101   EN 892	55.0 g/m <b>Falls:</b> ..... Single 7, Half 31, Twin 45 <b>Impact Force:</b> ... Single 8.2 kN, Half 6.2 kN, Twin 9.8 kN <b>Extension:</b> ..... Single 31.2%, Half 26.3%, Twin 23.4% <b>Elongation:</b> ..... Single 6.5%, Half 6.5%, Twin 3.9% <b>Number of Sheath Carriers:</b> 48	Laser Orange  60 m (197 ft) DR089NA060D 70 m (230 ft) DR089NA070D
<b>10.2 mm Blaster</b> This all-around rope fits both crags and long alpine routes. It is only 69.0g/m, which lets you combine maximum mileage with minimum weight.  <b>COMPLIANT:</b> EN 892, UIAA 101	71.0 g/m <b>Falls:</b> ..... 12 <b>Impact Force:</b> ... 7.9 kN <b>Extension:</b> ..... 34% <b>Elongation:</b> ..... 7.7% <b>Number of Sheath Carriers:</b> 48	Chill  60 m (197 ft) DR102EV060S 70 m (230 ft) DR102EV070S
<b>10.6 mm Gym Pro</b> This rope is designed for heavy use in climbing gyms, schools, or guides. With a thick sheath, it provides more protection from dirt and wear.  <b>COMPLIANT:</b> EN 892, UIAA 101	69.0 g/m <b>Falls:</b> ..... 8 <b>Impact Force:</b> ... 8.2 kN <b>Extension:</b> ..... 33% <b>Elongation:</b> ..... 6.8% <b>Number of Sheath Carriers:</b> 32	Hot Chilie  60 m (197 ft) DR102EX060H 70 m (230 ft) DR102EX070H
<b>11 mm Latitude</b> LATITUDE has the largest diameter of the Dynamic™ line. It provides an incredible fall rating of 16 and an agile feel for work-at-height applications.  <b>COMPLIANT:</b> EN 892, UIAA 101	81.0 g/m <b>Falls:</b> ..... 16 <b>Impact Force:</b> ... 8.5 kN <b>Extension:</b> ..... 34% <b>Elongation:</b> ..... 7.2% <b>Number of Sheath Carriers:</b> 48	Raven (Solid Black)  60 m (197 ft) DR110FD060S 70 m (230 ft) DR110FD070S 200 m (656 ft) DR110FD200S



Content	Key Features	Technical Characteristics	SKU
<b>Swaged Terminations</b> High strength, no-knot terminations for PMI® Classic and Sport ropes. PMI swaged rope terminations are always stronger than any knotted termination. Swaged terminations are formed using aluminum sleeves and a stainless steel thimble. Swages are applied to the rope using a precision steel die and the resulting termination is nearly as strong as the rope itself. Only PMI® Classic and Sport ropes may be swaged. (Ropes may not be swaged after leaving the factory.)	<ul style="list-style-type: none"> <li>• High strength termination</li> <li>• Stronger than knots</li> <li>• Available for 11 mm or 12.5 mm PMI® Classic Ropes</li> </ul>	<b>11mm, 12.5 mm</b> <b>Terminations:</b> 1, 2 <b>MBS:</b> 26 kN (5845 lbf), 31.1 kN (6992 lbf – PMI® Hudson Classic Pro EZ) <b>COMPLIANT:</b> ANSI Z359.1 (WITH 11 MM PMI® HUDSON CLASSIC PROFESSIONAL ONLY), ANSI Z359.15 (WITH 11 MM PMI® HUDSON CLASSIC PROFESSIONAL OR PMI® EXTREME PRO), NFPA 1983 (2017) T (WITH 11 MM PMI® HUDSON CLASSIC PROFESSIONAL ONLY)	<b>11 mm</b> <b>One End</b> <b>KT36027</b> <b>Two Ends</b> <b>KT36028</b>
			<b>12.5 mm</b> <b>One End</b> <b>KT36025</b> <b>Two Ends</b> <b>KT36026</b>
<b>Sewn Eye</b> PMI uses precision stitching to create a permanent, sewn termination that is stronger than any knotted termination and nearly as strong as the rope itself. Heat shrink tubing protects the stitching and the label from abrasion. PMI can sew either one or two end terminations on the following ropes and these are certified as Manufacturer Supplied Eye Terminations per NFPA 1983:2012:	<ul style="list-style-type: none"> <li>• Streamlined permanent termination</li> <li>• No knots</li> <li>• Nearly as strong as the rope</li> <li>• Stronger than knots</li> <li>• Two separate but equal blocks of stitching provide greater safety</li> </ul>	<b>Ø9 mm</b> <b>MBS:</b> 14 kN (3147 lbf – PMI® Hudson Classic Pro EZ) <b>COMPLIANT:</b> NFPA 1983 (2012) E (WITH 9 MM PMI® HUDSON CLASSIC PROFESSIONAL ONLY)	<b>One End</b> <b>KT36088</b> <b>Two Ends</b> <b>KT36089</b>
		<b>Ø10 mm</b> <b>MBS:</b> 28 kN (6295 lbf – PMI® Hudson Classic Pro EZ) <b>COMPLIANT:</b> NFPA 1983 (2017) T (WITH 10 MM PMI® HUDSON CLASSIC PROFESSIONAL ONLY)	<b>One End</b> <b>KT36086</b> <b>Two Ends</b> <b>KT36087</b>
		<b>Ø11 mm</b> <b>MBS:</b> 29.3 kN (6587 lbf – PMI® Hudson Classic Pro EZ) <b>COMPLIANT:</b> ANSI Z359.15 (WITH 11 MM PMI® HUDSON CLASSIC PROFESSIONAL), NFPA 1983 (2017) T (WITH 11 MM PMI® HUDSON CLASSIC PROFESSIONAL OR PMI® EXTREME PRO)	<b>One End</b> <b>KT36084</b> <b>Two Ends</b> <b>KT36085</b>
		<b>Ø12.5 mm</b> <b>COMPLIANT:</b> ANSI Z359.15 (WITH 11 MM PMI® HUDSON CLASSIC PROFESSIONAL OR PMI® EXTREME PRO), MBS 43.3 kN (9734 LBF – PMI® HUDSON CLASSIC PRO EZ)	<b>One End</b> <b>KT36080</b> <b>Two Ends</b> <b>KT36083</b>
<b>Compact Sewn</b> Termination Extreme Pro Rope	<ul style="list-style-type: none"> <li>• Streamlined permanent termination</li> <li>• No knots</li> <li>• Nearly as strong as the rope</li> <li>• Stronger than knots</li> <li>• Two separate but equal blocks of stitching provide greater safety</li> </ul>	<b>Ø11 mm</b> <b>Terminations:</b> 1, 2 <b>MBS:</b> 36.3 kN (8161 lbf – PMI® Extreme Pro) <b>COMPLIANT:</b> ANSI Z359.15 (WITH 11 MM PMI® EXTREME PRO), NFPA 1983 (2017), T (WITH 11 MM PMI® EXTREME PRO)	<b>One End</b> <b>KT36165</b> <b>Two Ends</b> <b>KT36177</b>



## TEC Rope Marking Pen

PMI®'s TEC Rope Marker from Sharpie is the only pen that is batch tested for 24 trace elements, making it the only pen you can really trust for marking your rope. Box of 12 markers.

**AC10006**



## PMI® Rope Identification Markers - Book Of 60

PMI's Rope ID Markers Book includes 60 vinyl tags. Write, type, or stamp information on the white area of each tag. The clear self-lamination portion wraps around to protect writing. 6 tags per sheet, 10 sheets per book.

### Key Features:

- Kit includes 6 tags and 12 inches of shrink tube
- Marks any rope
- Easy to apply
- Long lasting

**RC48001**



## PMI® Box of Rope, Short Lengths

New pieces of PMI static rope. Colors, lengths, and type of static rope vary by box. Each box contains 3 or 4 pieces of rope depending on the length of each rope.

### 11 MM (7/16")

PMI® Box of 11 mm rope,  
short lengths – various colors  
**SP55141**

### 12.5 MM (1/2")

PMI® Box of 12.5 mm rope,  
short lengths – various colors  
**SP55140**



## PMI® Rope ID Kit

Protect rope ends and provide important information such as when a rope is put into service, ID, etc. Write your own information on the ID tags and slip between shrink tube and rope.

### Key Features:

- Kit includes 6 tags and 12 inches of 3/4 shrink tube
- Marks any rope (RC48007 3/8 kit only)
- Easy to apply
- Long lasting

**RC48030**



## Cordage Meter

If you regularly cut rope off a spool, a cordage meter is an indispensable tool. While you pull the rope through the meter the toothed measuring wheel and stainless steel pressure shoe assures uninterrupted NO SLIP contact with the cordage. The meter should be firmly mounted for optimum accuracy using the optional brackets available. The extended bracket allows the meter to be pivoted out of the way when not in use. Conforms to Weights & Measures specifications in U.S.A. and Canada.

### Key Features:

- Available in Feet or Metric measurements
- Digital Counter adds or subtracts
- Resets to ZERO with one turn of knob
- Measures ropes and cordage from  $\frac{1}{4}$  (6 mm) to  $\frac{3}{4}$  (20 mm) diameter

### REGULAR

by ft **RC48003**  
by m **RC48004**

### BRACKET FOR CORDAGE METER

Extended **RC48005**  
Standard **RC48006**

### SMALL

by ft **RC48040**  
by m **RC48041**





## Electric Hot Knife

Fusing rope ends helps protect your rope and prevent unraveling after cutting the rope.

### Key Features:

- Table top size
- Operates on 110 volts AC
- Red 'on' light
- Replacement blades available
- Heats up to 1200 deg F 3.88 lbs
- 2.44 lbs (1.111 kg)

RC48014



## PMI® Rope Soap 2.05 lbs

Giving you a clean rope that will last. PMI®'s Rope Soap gently removes dirt, oil, grease, soot, smoke, and other grime.

- 1 bottle does up to 4-5 loads
- 6 to 8 oz with 15 gallons of water
- Biodegradable
- 8.5 pH

RC48031



## Bokat Rope Washer by PMI

A built in brush makes this the best cleaning rope washer we've ever used. Just hook it up to your hose, turn on the water, and pull the rope through the washer. The water loosens dirt and the brush scrubs it off. Made in the USA.

Rope will be at least 10 feet.

### Key Features:

- Easy to use
- Scrubbing Bristles clean rope with a combination of water pressure and brushing action
- Great for Muddy Ropes
- Adjusts for rope diameters (8 mm to 16 mm)
- Secure Hose Attachment
- Use with a 3/4 inch standard garden hose
- Clean with Cold Water only
- Clam-shell design
- Hook and Loop Closure

### Weight x Length x Width:

1.19 lbs (425 g) x 12 in (30.5 cm) x 2.5 in (6.4 cm)

Height: 4 in (10.2 cm)

For best results use PMI® Rope Soap

RC48002

## Whip End Dip

Seal your rope ends to prevent fraying and add a color coding option to your gear with this water based liquid vinyl compound sealant.

### Key Features:

- Perfect for color coding multiple ropes
- Available in three colors
- Non toxic
- Easy to apply
- 1 bottle = 64 ends  
(3 coats each) 0.375 lbs

Clear RC48011

Red RC48012

White RC48013



## PMI® Mesh Laundry Bag

Use this protective black polyester mesh bag when washing rope, webbing, and other soft goods. Use several bags to keep like-items sorted, keep your gear together and prevent it from tangling during washing. Holds 250 ft of 11 mm Classic Static.

- Great for keeping your gear sorted as well as for washing
- Works with front or top loading machines

Weight:.....0.55 lbs

Length:.....30.50 (77.5 cm)

Width:.....23.00 (58.4 cm)

RB44046





## PMI® Edge Roller System

Three linked units with hard anodized aluminum side plates and two roller bars each. This lightweight and compact roller can be used linked together with the furnished screw links at sharp edges, or separated for long gradual breakovers.

### Key Features:

- Efficient rollers
- Two 4 wide aluminum rollers
- Holes for permanent mounting
- 5/8 steel axle

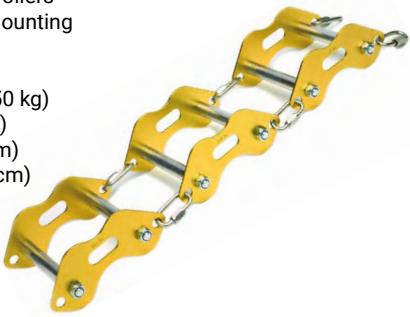
**Weight:**.....2.75 lbs (1.250 kg)

**Height:**.....3.00" (7.6 cm)

**Width:**.....6.50" (16.5 cm)

**Length:**.....22.00" (55.9 cm)

**HD26086**



## PMI® Canvas Pad

A lighter weight, but still heavy-duty cotton canvas pad for protecting rope – or whatever the rope may come into contact with. Rectangular shape is ideal for wrapping around a beam or a tree. Includes accessory cord.

### Key Features:

- Heavy duty cotton canvas
- Medium and Large pads have large grommets to accept your tie-off cord

### MEDIUM

**Weight:**.....1.56 lbs (703 g)

**Width:**.....34.00" (86.4 cm)

**Length:**.....30.00" (76.2 cm)

**RC48026**



### LARGE

**Weight:**.....2.94 lbs (1.340 kg)

**Width:**.....34.00" (86.4 cm)

**Length:**.....60.00" (152.4 cm)

**RC48027**

## Spiroll® Rope Protector

Effective, economical protection for your stationary ropes, Spiroll® Rope Protectors employ a unique patent pending technology. Rugged polyurethane material wraps snugly around a single rope several times to secure itself anywhere it is placed without being tied.

**BERRY COMPLIANT**

### Key Features:

- Polyuerthane
- Wraps securely around rope
- No need to tie off
- Highly flexible
- Rugged
- Easily Movable
- For ropes 9.5 mm and up
- Silicone free

**Weight:**.....0.14 lbs

**Width:**.....4.00" (10.2 cm)

**Weight:**.....2.2 oz (57 g)

**Length:**.....24.00" (61.0 cm)

**Orange RC48032**

**Black RC48033**



## PMI® Edge Pad Small, 12 x 33

A lighter weight, but still heavy-duty cotton canvas pad for protecting rope – or whatever the rope may come into contact with. Rectangular shape is ideal for wrapping around a beam or a tree. Includes accessory cord.

### Key Features:

- Cotton Canvas
- Green Color
- Double Layer
- Corner Grommets
- Prerigged with accessory cord
- Best for non-moving ropes

**Weight:**.....0.8375 lbs

**Width:**.....12.00" (30.5 cm)

**Length:**.....33.00" (83.8 cm)

**Weight:**.....13.4 oz (380 g)

**RC48010U**



## PMI® Supermantle Rope Guard

Ballistic nylon exterior with a durable interior layer of heavy canvas wrap completely around your stationary ropes to provide maximum protection from sharp edges and abrasive surfaces. To protect moving ropes, see edge rollers.

**Weight:**.....0.2 lbs

**Weight:**.....18" (45.7 cm) 4.0 oz (121 g)

24" (61.0 cm) 6.0 oz (162 g)

36" (91.4 cm) 8.0 oz (237 g)

18" Black **RC48020**

24" Black **RC48018**

36" Black **RC48019**

18" Yellow **RC48021**

24" Red **RC48022**

36" Red **RC48023**



## SMC Rope Tracker

The SMC Rope Tracker is engineered to secure, capture, protect and manage multiple ropes when negotiating difficult edge transitions. The SMC Rope Tracker is manufactured from a high quality durable abrasion resistant thermoplastic blend to minimize weight and maximize strength.

### Key Features:

- A channel and rib design give users the ability to manage ropes up to 16 mm
- Body will flex to 90°edge angles

**Weight:**.....0.95 lbs

**Height:**.....1.00" (2.5 cm)

**Width:**.....3.40" (8.6 cm)

**Length:**.....20.10" (51.1 cm)

**Weight:**.....14.5 oz (413 g)

**Orange SM148100**





## SMC Flex

SMC originally designed the FLEX for the demanding Technical Fire Rescue market as a canvas replacement. Soon after using the FLEX, we realized it is much more than the ultimate in configurable rope management and protection. In fact, the FLEX is FLEXible in its uses – the only limitation is your imagination. Use a stand-alone FLEX or connect multiple FLEX pads with the FLEX CLIPS to help solve everyday problems.

**Height:** ..... 0.75" (1.9 cm)  
**Width:** ..... 8.00" (20.3 cm)  
**Length:** ..... 16.00" (40.6 cm)  
**Weight:** ..... 4 oz (113 g)

**FLEX KIT 2 PADS, CLIPS**  
SM148202

**FLEX PAD**  
SM148200

**FLEX CLIP KIT**  
SM148210



## SMC Roof Roller

Specialized edge protection designed for right angle structural edges. The outer roller “reaches” out over the edge to protect your ropes and reduce friction for a long haul.

### Key Features:

- Efficient rollers
- Two 4 wide aluminum rollers
- Holes for permanent mounting
- Neoprene pad on bottom
- 5/8 steel axle

**Weight:** ..... 5.2 lbs  
**Height:** ..... 5.90" (15.0 cm)  
**Width:** ..... 9.90" (25.1 cm)  
**Length:** ..... 10.00" (25.4 cm)  
**Weight:** ..... 4.63 lbs (2.09 kg)  
**Sheave:** ..... 2.50"  
**Bearing:** ..... Oilit

Yellow SM149000



## RA/SMC Edge Roller, one roller

Reduce friction when going over the edge with the versatile SMC/RA Edge Roller. Two Edge Rollers connected by quick links will lay over a right angle such as a rock wall or edge of a building. This efficient 4" wide single edge roller ships with screw links for connecting two or more rollers together.

### Key Features:

- 5/8" steel axle
- Neoprene on bottom
- Two 3/16" Quick Links included
- 4" wide aluminum roller

**Weight:** ..... 3.5 lbs  
**Height:** ..... 4.25" (10.8 cm)  
**Width:** ..... 6.90" (17.5 cm)  
**Length:** ..... 9.90" (25.1 cm)  
**Weight:** ..... 3.13 lbs (1.410 kg)  
**Sheave:** ..... 2.50"  
**Bearing:** ..... Oilit



Red SM148500

## SMC PRO-TECH EDGE PROTECTION

SMC's new Pro-Tech Rope Protection System was created to be the ultimate solution to challenging rope protection scenarios. Pro-Tech can handle up to three moving or fixed ropes with captive pins that keep the ropes from "jumping the tracks." The engineering-grade plastic was rigorously tested for durability and a low coefficient of friction to ensure that your ropes will be resolutely protected from damage while still sliding cleanly over obstacles. The "tractor tread" design articulates to match virtually any terrain feature and the modular system is infinitely reconfigurable giving you unsurpassed flexibility and peace of mind when rigging. Pro-Tech is available in 23.4" lengths or you can purchase by the link & build your own.

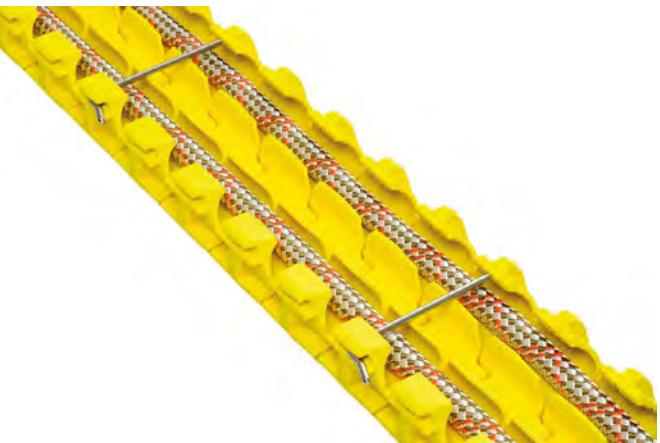
### Key Features:

- Material SCE Plastic / Stainless Steel Pins

**Weight:** ..... 1 lbs 11 oz (755 g)  
**Length:** ..... 23.40" (59.5 cm)  
**Height:** ..... 1.20" (3.1 cm)  
**Width:** ..... 3.50" (8.8 cm)

Blue SM148302

Yellow SM148304





PMI® 7 mm Lumi-Line

CC070UG100S



# WEBBING AND CORDAGE

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Accessory Cord to sewn Prusiks, PMI has all the bases covered. Whether you're looking for spools of webbing and cord in bulk, or for sewn straps and lanyards, you'll find a wide assortment to choose from at PMI. And, if you don't find something you're looking for, just ask. We will be happy to try to help.

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## CORDAGE MBS

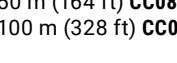
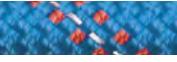
The MBS figures below apply to all cords shown on pages 32-34 (not including Sewn Prusik Cord Loops, Tuff Cord, and Utility Cord).

Diameter	MBS
2 mm - 2.1 g/m	0.9 kN (202 lbf)
3 mm - 6.2 g/m	2.7 kN (607 lbf)
4 mm - 11.7 g/m	3.5 kN (787 lbf)
5 mm - 17.8 g/m	5.4 kN (1214 lbf)
6 mm - 25.8 g/m	7.2 kN (1619 lbf)
7 mm - 33.2 g/m	11.9 kN (2675 lbf)
8 mm - 42 g/m	14.3 kN (3214 lbf)
9 mm - 50.4 g/m	14.8 kN (3327 lbf)



Content	Key Features	Technical Characteristics	SKU
<b>5.5 mm PMI POWER MAX</b> PMI's 5.5 mm accessory cord is made with a Nylon sheath and Technora core. Technora is an aramid fiber that is used for some of our specialty accessory cords and Kern Mantle Ropes. Technora provides high-temperature resistance and the individual strands are eight times as strong as comparable steel strands providing high strength to weight ratio. This cord is incredibly strong, lightweight and takes less room in your pack providing confidence in your rigging systems.	<ul style="list-style-type: none"> <li>Technora core</li> <li>High-temperature resistance</li> <li>High strength to weight ratio</li> <li>Lightweight</li> </ul>	<b>Weight:</b> .....21 g/m <b>MBS:</b> .....15 kN / 3,372 lbf	 Golf Green 7 meter (23 ft) CC055RC007S 50 meter spool CC055RC050S
<b>PMI®Corde-Lite™</b> Set up systems through the night with Lumi-Line. The special phosphorescent striped sheath will glow after extended exposure to a light source.	<ul style="list-style-type: none"> <li>100% nylon</li> <li>Glow for up to 10 hours</li> <li>7 mm</li> <li>Available in 6.4 m Cordelette</li> <li>White phosphorescent tracer</li> <li>UIAA 102</li> </ul>	<b>Weight:</b> .....0.417 lbs <b>Material:</b> ....Nylon Core, Nylon Sheath  <b>Weight:</b> .....29.0 g/m <b>MBS:</b> .....11.85 kN (2665 lbf)	 CC070UG006S
<b>PMI® 7 mm Lumi-Line</b> PMI's Retro Reflective nylon cord has the added value of a reflective tracer for maximum visibility in any situation.	<ul style="list-style-type: none"> <li>100% nylon</li> <li>Glow for up to 10 hours</li> <li>7 mm</li> <li>Available in 6.4 m Cordelette</li> <li>White phosphorescent tracer</li> <li>UIAA 102</li> </ul>	<b>Length:</b> .....100m (328 ft), 50 m (164 ft) <b>Material:</b> ....Nylon Core Nylon Sheath  <b>Weight:</b> .....29.0 g/m <b>MBS:</b> .....11.85 kN (2665 lbf)	 50 m (164 ft) spool CC070UG050S 100 m (328 ft) spool CC070UG100S
<b>PMI® 3 mm Utility Cord</b> PMI's strong utility cord can be used for various tasks. Take it along when you go outdoors for tent tie-down, clotheslines, securing various items to other items, and many other needs.	<ul style="list-style-type: none"> <li>Polyester sheath/nylon core</li> <li>Bagged</li> <li>Pre-cut</li> </ul>	<b>Weight:</b> .....0.247 lbs <b>Length:</b> .....15 m (49 ft) <b>Weight:</b> .....3.4 oz (98 g) <b>MBS:</b> .....1.8 kN (400 lbf)	 <b>15 meters</b> Blue/green CC030BG015P Black CC030BK015P Green CC030GR015P Orange CC030OR015P



Content	Key Features	Technical Characteristics	SKU
<b>PMI® Standard Color Prusik Cord</b> PMI's sturdy 100% nylon prusik cord in standard colors to help keep your gear organized. <b>COMPLIANT: UIAA 102</b>	<ul style="list-style-type: none"> <li>• 100% nylon</li> <li>• UIAA 102 Certified</li> </ul>	<p><b>7 mm (9/32")</b></p> <p><b>Weight:</b>..... 7.2 lbs  <b>Color:</b> .....Blue/Red            Yellow/Red</p> <p><b>Length:</b>..... 100 m (328 ft)            50 m (164 ft)</p> <p><b>Weight:</b>..... 29,0 g/m  <b>MBS:</b> ..... 10.7 kN            (2405 lbf)</p>	 Yellow/Red 50 m (164 ft) <b>CC070UJ050S</b> 100 m (328 ft) <b>CC070UJ100S</b>   Blue/Red 50 m (164 ft) <b>CC070UK050S</b> 100 m (328 ft) <b>CC070UK100S</b>
<b>Retro-Reflective Prusik Cord</b> PMI®'s Retro Reflective nylon cord has the added value of a reflective tracer for maximum visibility in any situation. <b>COMPLIANT: UIAA 102</b>	<ul style="list-style-type: none"> <li>• 100% nylon</li> <li>• Available in 7 mm &amp; 8 mm</li> <li>• UIAA Certified</li> </ul>	<p><b>7 mm (9/32")</b></p> <p><b>Weight:</b>..... 29,0 g/m  <b>MBS:</b> ..... 10,7 kN            (2405 lbf)</p>	 Yellow/Red per meter <b>CC070UL001S</b> per spool <b>CC070UL100S</b>   Blue/Red per meter <b>CC070UM001S</b> per spool <b>CC070UM100S</b>
<b>PMI® TUFF CORD</b> A great choice for extreme rigging applications. This durable cord has a lower stretch core and tighter sheath than our other accessory cords and is especially good for mountain guides, lightweight expeditions, and in pre-rigged haul systems. <b>COMPLIANT: CI 1801, STATIC</b>	<ul style="list-style-type: none"> <li>• 100% nylon</li> <li>• Higher abrasion resistance than regular accessory cords</li> <li>• The only cord of its kind on the market</li> <li>• Tuff cord is used in the JR Haul System</li> </ul>	<p><b>7 mm (9/32")</b></p> <p><b>Weight:</b>..... 10.86 lbs  <b>Color:</b> .....Green/Blue            Red/yellow</p> <p><b>Length:</b>..... 100 m (328 ft)</p> <p><b>Weight:</b>..... 38 g/m  <b>MBS:</b> ..... 11 kN (2473 lbf)</p> <p><b>Elongation:</b> at 300 lbf            at 600 lbf            at 1000 lbf            at 10% MBS</p>	 Orange/blue 100 m (328 ft) spool <b>SR070OX100E</b>   Black 100 m (328 ft) spool <b>SR070BK100E</b>



Content	Key Features	Technical Characteristics	SKU
<b>PMI® Accessory Cord</b> PMI® Accessory Cords are made of durable kernmantle construction to UIAA standards and are great for a wide variety of uses. The smaller PMI® Accessory Cords can be used for many applications such as boot laces, lanyards, tent/shelter tie-down cords, equipment fixes and much more. Larger diameters of PMI® Accessory Cords may be used in applications including building climbing anchors, Prusik cords and a wide variety of other uses. These cords are made with the ideal combination of strength, flexibility, and durability	<ul style="list-style-type: none"> <li>• 100% nylon</li> <li>• Available from 2 mm to 9 mm</li> <li>• Discounted price for spooled lengths</li> </ul>	<p><b>Ø 2 mm – 2.1 g/m</b> <b>MBS:</b> ..... 0.9 kN (202 lbf)</p> <p><b>Ø 3 mm – 6.2 g/m</b> <b>MBS:</b> ..... 2.7 kN (607 lbf)</p> <p><b>Ø 4 mm – 11.7 g/m</b> <b>MBS:</b> ..... 3.5 kN (787 lbf)</p> <p><b>Ø 5 mm – 17.8 g/m</b> <b>MBS:</b> ..... 5.4 kN (1214 lbf)</p> <p><b>Ø 6 mm – 25.8 g/m</b> <b>MBS:</b> ..... 7.2 kN (1619 lbf)</p> <p><b>Ø 7 mm – 33.2 g/m</b> <b>MBS:</b> ..... 11.9 kN (2675 lbf)</p> <p><b>Ø 8 mm – 42.0 g/m</b> <b>Weight:</b>..... 5.1 lbs <b>MBS:</b> ..... 14.3 kN (3214 lbf)</p> <p><b>Ø 9 mm – 50.4 g/m</b> <b>MBS:</b> ..... 14.8 kN (3327 lbf)</p>	<b>100 m spool (328 ft)</b> Multi-color <b>CC020ZA100S</b>  <b>100 m spool (328 ft)</b> Black <b>C030MB100S</b> Multi-color A <b>C030MC100S</b> Multi-color B <b>CC030ME100S</b>  <b>100 m spool (328 ft)</b> Black <b>CC0400B100S</b> Multi-color A <b>CC0400C100S</b> Multi-color B <b>CC0400E100S</b>  <b>100 m spool (328 ft)</b> Black <b>CC055QB100S</b> Multi-color A <b>CC055QC100S</b> Multi-color B <b>CC055QD100S</b> Multi-color C <b>CC055QE100S</b>  <b>100 m spool (328 ft)</b> Black <b>CC060SB100S</b> Multi-color A <b>CC060SC100S</b> Multi-color B <b>CC060SD100S</b>  <b>50 m spool (164 ft)</b> Multi-color A <b>CC060SC050S</b>  <b>16 m length in display bag</b> Mantis <b>CC060SH016S</b> Caribbean <b>CC060SI016S</b>  <b>100 m spool (328 ft)</b> Black <b>CC070UB100S</b> Multi-color A <b>CC070UC100S</b> Multi-color B <b>CC070UE100S</b>  <b>50 m spool (164 ft)</b> Black <b>CC070UB050S</b> Multi-color A <b>CC070UC050S</b> Multi-color B <b>CC070UE050S</b>  <b>100 m spool (328 ft)</b> Black <b>CC080WB100S</b> Multi-color A <b>CC080WC100S</b>  <b>50 m spool (164 ft)</b> Black <b>CC080WB050S</b> Multi-color A <b>CC080WC050S</b>  <b>100 m spool (328 ft)</b> Multi-color A <b>CC090YC100S</b>  <b>50 m spool (164 ft)</b> Multi-color A <b>CC090YC050S</b>



## Work-Spec Tubular Webbing

PMI®'s webbing is specially built to commercial versions of military specifications. For all rigging uses: slings, anchorages, even hasty seats.

### Key Features:

- For all rigging uses
- Available in 1" and 2"
- 2" available in red
- Spool may contain splices

**Material:** ....Nylon

**MBS:** .....18 kN (4000 lbf)

**1"**

Red **WB59002**

Blue **WB59004**

Orange **WB59006**

Yellow **WB59008**

Black **WB59010**

Flourescent Green **WB59012**



**2"**

Red **WB59014**

## 1 MIL SPEC WEBBING

Built to exacting military specifications, the durability and strength of this 1" tubular webbing makes it a perfect choice for rigging anchorages, runners, slings, and more for rescue and work at height.

**COMPLIANT: MIL W 5625**

### Key Features:

- May contain splices
- For All Types of Rigging
- Black tracer on one side

**Length:**.....115 yards

**Material:**....Nylon

**Weight:**.....37 g/yd

**MBS:** .....18 kN (4000 lbf)

Red **WB59058**

OD Green **WB59060**



## Flat Webbing

For your really tough webbing applications, flat webbing is thicker and stronger than 2" seatbelt webbing. Applications for flat webbing are endless, from sewn products to rigging.

### Key Features:

- Create slings, anchorages, even hasty seats
- Available in 1"
- Spool may contain splices

**Weight:**.....5.5 lbs

**Material:**....Nylon

**Weight:**.....36 g/yd

**MBS:** .....27 kN (6000 lbf)

**1"**

Blue **WB59035**

Black **WB59037**

Red **WB59039**

Yellow **WB59045**





## Sewn Prusik

PMI® is proud to offer the latest innovation in accessory cords. Precision sewn loops form a sleek, low profile connection that is stronger than a knot. Clear tubing protects the stitches yet allows for easy inspection.

### Key Features:

- 5'8 length perfect for creating purcell prusiks
- Used in the PMI® Tandem Prusik Kit
- Used in the PMI® Tandem Prusik Kit
- Cord also slides under the clear tubing to allow length adjustment

### 6 mm (15/64")

**Weight:**.....0.042 lbs  
**Length:**.....11, 20, 44, 5'8  
**MBS:** .....11 kN (2473 lbf)

### 7 mm (9/32")

**Weight:**.....0.13 lbs  
**Length:**.....19, 26, 34, 5'8  
**MBS:** .....15 kN (3372 lbf)

### 8 mm (5/16")

**Weight:**.....0.101 lbs  
**Length:**.....16, 20, 22, 26  
**MBS:** .....20 kN (4496 lbf)

11" **KT36094**

20" **KT36095**

44" **KT36096**

5'8" **KT36097**

### Yellow

19" **KT36137**

26" **KT36187**

5ft. 8 **KT36093**

### Blue

19" **KT36092**

26" **KT36138**

34" **KT36100**

### Red

16" **KT36098**

20" **T36160**

26" **KT36099**

### Green

16" **KT36090**

22" **KT36091**

26" **KT36161**



## Eye & Eye VT Prusik Cord

These prusiks feature eye-to-eye construction with a durable 8mm Technora sheath over a light-weight high strength Dyneema-based core. This light weight, abrasion resistant static cord repels water and handles great under the most challenging conditions.

### Key Features:

- Eye-to-eye construction
- Great for Valdotain Tresse
- Technora/polyester sheath
- Dyneema/polypropylene/polyester
- 32 Carrier Sheath

**Length:**..... 26" (66 cm), 28" (71 cm), 33" (83 cm)

**Eye MBS:** ..... 14.2 kN (3192 lbf)

**Basket MBS:** ..... 27.6 kN (6204 lbf)

**Elongation:** ..... at 10% MBS 3.5%

**Diameter:**..... 8 mm

26" (66 cm) **KT36204**

28" (71 cm) **KT36205**

33" (83 cm) **KT36194**



## PMI® Power Sling

These ultra high strength sewn slings are made of lightweight, abrasion resistant Dyneema®. Only 10 mm in width, these slings are as strong as thicker nylon counterparts, but have less elongation.

**COMPLIANT: EN 354, EN 795B, UIAA CE EN 566**

- Lightweight
- Great for non dynamic anchors
- 10 mm width
- Abrasion resistant

**Weight:**..... 0.06 lbs

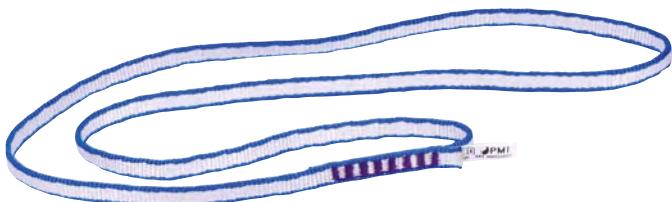
**Color:** ..... Black/White, Blue/white

**Length:**..... 120 cm (47.97 inches), 60 cm (24 inches)

**MBS:** ..... 22 kN (5000 lbf)

**SG51157**

**SG51158**





## PMI® Multi Strap

The Multi Strap is a multiple use, easy to use, and low cost tool for rescue and rigging. This one tool has over 20 uses; a pick off strap, litter bridle, adjustable footloop, multi point anchor, and patient drag just to name a few. The Multi Strap is an invaluable tool to add to any gear cache. Now made with the SMC Rigging Ring.

- Fast connection
- Extra layer of webbing for protection
- Supporting loads up to 22 kN (5000 lbf)
- Always select an anchor that is capable of supporting 22 kN (5000 lbf) per person attached

**Weight:**.....0.325 lbs

**MBS:** .....22 kN (5000 lbf)

**Weight:**.....5.2 oz (148 g)

**Material:** ....Nylon

**SG51236**



## PMI® Pickoff Strap

This traditional pick off strap has a metal D ring at the rescuers end for a metal-on-metal connection. Once connected, slack can be removed simply by pulling on the free end of the strap.

- Fast connection
- Hook and loop keeper
- Adjustable length: 8 to 50

**Weight:**.....0.78 lbs

**MBS:** .....20 kN (4496 lbf)

**Weight:**.....11.0 oz (312 g)

**SG51032**



## PMI® EASY PICK OFF STRAP

This high performance pick off strap is designed to weigh less and be less bulky, but still perform when you need it. With a sewn anchor loop on the load end and a hand loop on the haul end, this strap allows for quick weight transfer from one system to another.

### Key Features:

- Lightweight
- Sewn anchor loop on one end
- Hand loop
- Hook and loop keeper
- Adjustable length: 7 to 42

**Weight:**.....0.562 lbs

**MBS:** .....9.4 kN (2100 lbf)

**Lenght:**.....42.00 (106.7 cm)

**SG51180M-BLK**



## PMI® 1-ZTEP Foot Loop

Adjustable, heavy-duty footloop for use in ascending.

**BERRY COMPLIANT**

- Adjustable: 28 - 46
- Reinforced foot loop
- Heavy 3/4 (19.05 mm) flat webbing

**Weight:**.....0.24 lbs

**Weight:**.....4 oz (113 g)

**MBS:** .....2 kN (450 lbf)

**SG51049**





## PMI® Etrier

Use the sturdy PMI® Etrier when climbing in, on, or around structures, or anywhere you need an extra boost. Attach Etrier to an anchorage by top loop and ascend steps like a soft "stepladder".

### Key Features:

- Reinforced steps in contrasting colors
- 3/4 (19.05 mm) tubular webbing
- MBS: of each loop is 2 kN (450 lbf)
- Loop width 5

### 4-Step

**Weight:**.....0.44 lbs

**Length:**.....4'3"

**Height:** .....1.00" (2.5 cm)

**Width:**.....5.00" (12.7 cm)

**Length:**.....51.00" (129.5 cm)

**Weight:**.....7.0 oz (201 g)

Red w/ blue **SG51040**

### 5-Step

**Weight:**.....0.54lbs

**Length:**.....5'3"

**Height:** .....1.00" (2.5cm)

**Width:**.....5.00" (12.7cm)

**Length:**.....63.00 "(160.0cm)

**Weight:**.....8.0oz (239g)

Blue with red **SG51034**

### 6-Step

**Weight:**.....0.61 lbs

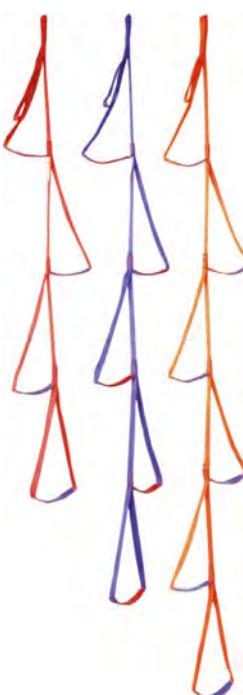
**Height:** .....1.00" (2.5 cm)

**Width:**.....5.00" (12.7 cm)

**Length:**.....72.00" (182.9 cm)

**Weight:**.....9.9 oz (280 g)

Orange w/ Blue **SG51096**



## PMI® Gear Daisy

Constructed of 3/4" (19.05 mm) tubular webbing, this multi-loop daisy chain helps organize your rigging gear. While not rated for life safety, each loop on our gear daisy will hold 2 kN (450 lbf) because of the "double back" construction.

### Key Features:

- Single length of webbing
- Hand loop at one end
- Organize your gear
- Made from 3/4 (19.05 mm) tubular webbing
- 3 ft. Length with 9 Gear Loops - 3.2 oz. (91 g)
- 4 ft. Length with 13 Gear Loops - 6.4 oz (181 g)

**Weight:**.....0.27 lbs

**Gear Loops:**13 gear loops

9 gear loops

**Length:**.....3 ft, 4 ft

**MBS:** .....2 kN (450 lbf)

**Weight:**.....4 oz (112 g),  
5 oz (155 g)



Red **SG51035**

Blue **SG51041**

## PMI® Choker Sling

Wrapped around a beam, the new PMI® Choker sling provides a quick and safe anchor. An extra piece of webbing is sewn on the entire length of the sling to protect it from sharp edges and prolong its life.

**COMPLIANT:** ANSI Z359.18 (2017), NFPA 1983 (2017), G

- Fast connection
- Extra layer of webbing for protection
- Cinch strap for easy closure

**Weight:**.....0.9 lbs

**Length:**.....2 ft, 3 ft, 4 ft, 6 ft, 8 ft

**Basket:**.....(U) 48.7 kN

**End-to-end:**22.2 kN

**Choker:** .....20.8 kN

**Material:** ....Nylon

**Weight:** 2 ft 14.4 oz (408 g)

**SG51282**

**Weight:** 3 ft 15.2 oz (431 g)

**SG51213**

**Weight:** 4 ft 1.05 lbs (476 g)

**SG51242**

**Weight:** 6 ft 1.20 lbs (544 g)

**SG51214**

**Weight:** 8ft 1.35 lbs (612 g)

**SG51243**





## PMI® Sewn Webbing Loop

Pre-sewn webbing loops prepare you for any rigging situation. Made from 1" tubular webbing, these sewn loops are strong and ready for use.

### Key Features:

- For all rigging uses
- Standard colors for rigging
- Made with 1 tubular webbing

**Weight:**.....0.16 lbs

**Color:**.....Black, Blue, Green, Red, Yellow

**Length:**.....12 ft, 15 ft, 20 ft, 25 ft, 5 ft

**MBS:**.....32 kN (7194 lbf)

### 5 ft (2.5 ft loop)

**Length:**.....5 ft 30.00" (76.2 cm)

**Weight:**.....5 ft 2 oz (64 g)

Green SG51141

### 12 ft (6 ft loop)

**Length:**.....12 ft 72.00" (182.9 cm)

**Weight:**.....12 ft 5 oz (144 g)

Yellow SG51142

### 15 ft (7.5 ft loop)

**Length:**.....15 ft 90.00" (228.6 cm)

**Weight:**.....15 ft 6 oz (182 g)

Blue SG51143

### 20 ft (10 ft loop)

**Length:**.....20 ft 120.00" (304.8 cm)

**Weight:**.....20 ft 8 oz (236 g)

Red SG51144

### 25 ft (12.5 ft loop)

**Length:**.....25 ft 150.00" (381.0 cm)

**Weight:**.....25 ft 10 oz (292 g)

Black SG51145



## PMI® Anchor Sling

Setting a strong and secure anchor is easy with the right tools. Adding PMI® Anchor Slings to your anchor kit gets the job done quickly and efficiently. Choose from 3 different lengths for all your rigging applications.

**COMPLIANT: ANSI Z359.18 (2017), NFPA 1983 (2017), G**

### Key Features:

- 1 3/4 webbing
- Steel D-rings on both ends
- Fast connection
- 3 different lengths

**Weight:**.....0.7 lbs

**Length:**.....3 ft, 4 ft, 6 ft

**Basket:**.....(U) 49.2 kN

**End-to-end:**.....28.7 kN

**Choker:**.....22.6 kN

**Material:**.....Nylon

**Width:**.....1.75" (4.4 cm)

**Length:**.....3 ft 36.00" (100.0 cm)

4 ft 48.00" (121.9 cm)

6 ft 72.0" (182.9 cm)

**Weight:**.....3 ft 11.0 oz (311 g)

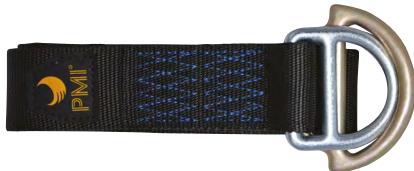
4 ft 12.0 oz (354 g)

6 ft 14.0 oz (410 g)

SG51029

SG51030

SG51031



## PMI® Vari-Rigger

A simple adjustable strap with D-rings on each end. Double around a suitable anchor for a quick rigging point to use as a variable length tether.

- High strength D-rings on both ends
- Quick, adjustable rigging
- Buckles slip at 22 kN (5000 lbf)
- Adjustable length: 24 to 96

**Weight:**.....1.55 lbs

**MBS:**.....22 kN (5000 lbf)

**Material:**.....Nylon

**Weight:**.....1.50 lbs (680 g)

SG51033





Hira Women's Rope  
Access Harness

MS11120GRR



# PERSONAL GEAR

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Form meets function in PMI's well-thought-out personal equipment. From harnesses to helmets to gloves and more, you'll find gear that meets the specifications and comfort you need.

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#### **Understanding Harness Standards**

NFPA's standard on Life Safety Rope and Equipment for Emergency Services classifies harnesses into two groups:

##### **Class II:**

A seat harness meant for heavy duty work by one person or in rescue situations in which another person's weight may be added in the course of the rescue. (Harness must pass Upright Static, Horizontal Static, and Dynamic Drop Test of a 300 lb test dummy)

##### **Class III:**

A full body harness meant for protection and for use in rescues in which inversion might occur. (Harness must pass all 3 tests for Class II plus a 4th Head Down Static Test)



NEW

## PMI – Hira Women's Rope Access Harness

This harness is designed to follow anatomy of the wearer. The Silhouette Waist belt of this harness has few differences. Contoured Hip Angle Narrower at the waist and flared at the hip to conform to a woman's body, so that it rides low and secure on the bony structure. Fem-Curve profile that gently curved waist belt silhouette doesn't dig in below the ribs. Furthermore, it has Reduced Height Front Risers so, front leg loop risers are only 4.5" from bottom of waist belt to top of leg loop – the shorter rise keeps the harness waist belt from coming up too high on the woman's body and maintains the leg loops in position. Hira harness is well-suited for many job types and environments. Modern anatomical design of this harness with high attention to detail for comfort and features allows you to wear this harness all day long while working at height. This harness is ANSI/ASSE Z359.11-2014 made with high quality materials and designed to give you years of performance.

**COMPLIANT: ANSI/ASSE Z359.11-2014**

### Key features:

- Two Sizes
- Mini-Gear Loops for Independent Attachments
- Comfort Seat Mounting Loops
- Breech Support Anatomical Workseat
- Quick Release Safety Buckle attaches top to bottom
- Foundationally Integrated Strap System
- Quick-Link Attachment
- Shaped Gear Loops
- Designed following women anatomy
- Contoured Hip Angle Narrower at the waist and flared at the hip to conform to a woman's body
- Reduced Height Front Risers keep the harness waist belt from coming up too high on the woman's body and maintains the leg loops in position

### Small

**Weight:**.....6.4 lbs  
**Waist:**.....30"- 42"  
**Leg:** .....19"- 36"

**MS11120GRS**

### Regular

**Weight:**.....6.5 lbs  
**Waist:**.....34"- 52"  
**Leg:** .....19"- 36"

**MS11120GRR**





NEW

## Lemur Rope Access Harness

Lemur harness is well-suited for many job types and environments. Modern anatomical design of this harness with high attention to detail for comfort and features allows you to wear this harness all day long while working at height. This harness is ANSI/ASSE Z359.11-2014 made with high quality materials and designed to give you years of performance.

**COMPLIANT: ANSI/ASSE Z359.11-2014**

### Key features:

- Two Sizes
- Mini-Gear Loops for Independent Attachments
- Comfort Seat Mounting Loops
- Breech Support Anatomical Workseat
- Quick Release Safety Buckle attaches top to bottom
- Foundationally Integrated Strap System
- Quick-Link Attachment
- Shaped Gear Loops

### Small

**Weight:**.....6.4 lbs  
**Waist:**.....30"- 42"  
**Leg:** .....19"- 36"

**MS11020GRS**

### Regular

**Weight:**.....6.5 lbs  
**Waist:**.....34"- 52"  
**Leg:** .....19"- 36"

**MS11020GRR**



Rope

Webbing and Cordage

Personal Gear

Hardware

Solutions and Kits

Patient Care

Logistics and Support Gear

Training and Education



NEW



### PMI® Avatar Deluxe Harness

The Avatar Deluxe builds on the outstanding reputation of our traditional Avatar harness with enhancements that satisfy the most demanding applications. The Avatar Deluxe is designed to give you years of performance and comfort. Meeting both NFPA 1983 and ANSI Z359.1 standards, our newest harness is at home in rescue, rope access, or fall-arrest applications.

**COMPLIANT:** ANSI/ASSE Z359.11, NFPA 1983 (2017), CLASS III

#### Key Features:

- Patented AustriAlpin COBRA™ quick release buckles color coded for ease of use
- Waist, Sternum, Shoulder and Dorsal Attachment points
- Adjustable, integrated upper and lower harness sections
- New spring loaded buckle at the dorsal and waist attachments
- All steel D-rings
- One piece unit for strength
- One piece shoulder padding for added comfort
- Comes in two sizes Standard and Large
- Durable storage bag included

#### Large

**Waist:** ..... 37"-55"  
**Leg:** ..... 23"-37"  
**Weight:** ..... 6.20 lbs (2.812 kg)

**SG51264**

#### Standard

**Waist:** ..... 31"-54"  
**Leg:** ..... 20"-33"  
**Weight:** ..... 6.00 lbs (2.722 kg)

**SG51263**

### Beal - Hero Pro Hold Up Harness

This full body Rope Access harness is designed with comfort and efficiency in mind. Comfortable padding conforms to the wearer's body without excessive bulk, while the exclusive HOLD UP chest ascender aligns the rope properly and reduces twist for improved safety and efficiency. Three sizes for optimum fit.

**COMPLIANT:** EN 12841 2006-B DIAMETER 10-13 MM 100KG, EN 358, EN 361, EN 567 2013 DIAMETER 8-13 MM, EN 813, CE

#### Key Features:

- Semi-Rigid Waist belt & leg loops
- Breathable lining
- Quick Release leg loop buckles
- Exclusive straight-line chest ascender (removable)
- Four large, easy-clip gear loops
- Six mini gear loops
- High visibility accents
- 2 ID Windows for personalization
- Elastic Strap Retainers
- 3 Sizes for optimum fit

#### Small

**Waist:** ..... 27.5"-35.4"  
**Thigh Circumference:** ..19.6"-25.6"  
**Chest Circumference:** ..27.5"-39.3"

**BP100BY00S**

#### M-L

**Waist:** ..... 31.5"-41.3"  
**Thigh Circumference:** ..21.6"-25.6"  
**Chest Circumference:** ..31.5"-47.2"

**BP100BY0ML**

#### XL

**Waist:** 35.4"-51.1"  
**Thigh Circumference:** 23.6"-27.5"  
**Chest Circumference:** 39.3"-55.1"

**BP100BY0XL**



### PMI® Sympatico Harness

This harness is well-suited to your every adventure, balancing the minimalist style of recreational harnesses with the extraordinary support of industrial use harnesses. Its modular design permits it to be used as just a seat, or as a seat-chest combination, making it a perfect choice for ropes course use, mountain rescue, sport rappelling, and other suspension-intensive activities. With or without the chest harness, the high attachment point at the waist means that the harness sits more deeply than a climbing harness, while the light-weight, wide waistbelt offers superior comfort, hip D-rings for positioning, and a rear waist attachment for secure restraint. Chest harness attaches quickly and securely to provide sternal and dorsal attachment points, chest-ascender link, and soft loop connection points at the shoulders for vertical lift. Quick-release adjustable buckles at waist and legs make it easy to get in and out of the harness, while low profile D-rings offer full functionality in a lightweight package. For maximum compatibility think Sympatico!

**COMPLIANT: ASTM F1772, EN 358, EN 361, EN 813, CE**

**Weight:**.....6.2 lbs

**Waist:**.....34–55"

**Leg:**.....22–33"

**Weight:**.....5.75 lbs (2.605 kg)

**SG51289**

### PMI® Avatar Contour Harness

This lightweight version of the PMI® Avatar Rescue Harness is designed for those who only need front waist and sternum attachment points. It avoids the weight and bulk of heavier harnesses that have additional attachment buckles.

**COMPLIANT: NFPA 1983 (2017), CLASS III**

#### Key Features:

- Waist and sternal attachments
- Fully adjustable rear leg risers and chest harness
- Adjusts to fit 31–52 waists
- Ergonomic padding
- Non-removable chest harness
- Storage bag included

**Weight:**.....4.4 lbs

**Waist:**.....31"–52"

**Leg:**.....19"–34"

**Weight:**.....4.19 lbs (1.900 kg)

**SG51155**



### **PMI® CS Tech Full Body Harness**

PMI®'s one-piece, full-body harness was designed with the needs of the Confined Space worker in mind. Separating buckles on the leg loops and shoulder strap make this harness easy to put on and take off.

**COMPLIANT: NFPA 1983 (2017), CLASS III**

#### **Key Features:**

- Dorsal, sternal, waist, and shoulder attachment points
- Adjustable dorsal and shoulder rings
- Break-apart buckles on legs and right shoulder
- Ergonomic shoulder straps
- Quick adjusting low profile buckles on waist
- Storage bag included

**Weight:**.....5.25 lbs

**Waist:**.....31"-52"

**Leg:**.....19"-34"

**Weight:**.....5.06 lbs (2.300 kg)

Grey **SG51156**



### **PMI-Yates 387P Harness**

A state-of-the-art version of our popular Basic Rope Access harness. New lightweight aluminum D rings are used on side positioning, chest, and dorsal fall protection connections. Wide anatomical waist pad for increased comfort and added back support. Modular work/tool pouch system is included. New Cobra ANSI Z359.1 certified aluminum quick connect leg buckles are used for ease of donning. NEW Leg pad configuration is contoured and sewn in place to offer a super comfortable fit for those long hanging jobs. Attachment points at waist, hips, chest, back (lumbar) and back (dorsal). Chest harness specifically designed to incorporate a chest ascender (not included) for rope access work and the shoulder straps are specially tailored to reduce chafing of the neck.

- UL Classified to meet NFPA 1983/2017 edition standards  
Weight 5lb. 6oz.
- UL Classified ANSI/OSHA Z359.11-2014 and CAN/CSA Z259.10-12 harness standards
- Removable contoured shoulder pads included

#### **Small**

**Waist:**.....28 – 33

**Height:**.....5'0" – 5'9"

**D ring to D ring:**.....19.0 in

**SG51296**

#### **Medium**

**Waist:**.....32 – 36

**Height:**.....5'5" – 6'4"

**D ring to D ring:**.....22.0

**SG51297**

#### **Large**

**Waist:**.....35 – 40

**Height:**.....5'5" – 6'4"

**D ring to D ring:**.....26.0 in

**SG51298**



NEW



NEW

## Beal - Styx Fast Fall Arrest Harness

A very light and compact fall arrest harness with 2 connection points: 1 sternal and 1 dorsal. Quick release buckles to the thighs and a foamed back allow a quick sitting. Versatile because it can be combined with a work position belt.

**COMPLIANT:** EN 358, EN 361, CE

### Key Features:

- Foamed shoulder and back straps for comfort and easy donning.
- Quick release buckles to the leg loops allows quick fitting.
- Possibility of adding a work position belt – EN358: STYXBELT.
- Straps with protection to avoid rubbing at the neck.
- 2 organiser gear loops to the hips.
- 2 connector hook loops to the shoulders.
- Differentiation in color between left and right parts to facilitate the setting up.
- 2 mini organiser gear loops to attach WORKSTATION accessories.

**Weight:**.....2.766 lbs

**Material:**.....Polyamide

**Thigh:**.....15.7"–31.4"

**Chest circumference:**..31.4"–55.1"

**BP103BY00S**

## Rope Rescue Seat

**COMPLIANT EN358:99 / EN813:08**

### Key Features:

- Lightweight
- Black/ Green in color and low-profile
- Elastic rear straps keep leg loops positioned correctly
- Quick adjust cam buckle on adjustable waist belt
- Comfortable padding
- Quick clip front attachment point
- Quick release buckles on adjustable leg loops
- Sewn vertical webbing attachment points for custom gear loops
- Rigid Gear loops for ease of use

**Weight:**.....1.1kg (2.43lbs)

**Waist:**.....81-137 cm (32"-54")

**Legs:** .....56-79 cm (22"-31")

**SG51300**

Rope

Webbing  
and CordagePersonal  
Gear

Hardware

Solutions  
and KitsPatient  
CareLogistics and  
Support GearTraining and  
Education



## PMI® Bravo Tactical Harness

PMI's Bravo Seat Harness is a lightweight and comfortable seat harness that provides a low-profile ideal for tactical operations, theatrical use, and any rigging or rescue applications. The black color finish keeps this harness discreet and sleek. The Bravo comes with a custom kit that can add multiple gear loops for supporting additional equipment if needed.

**COMPLIANT:** EN358:99, EN813:08

### Key Features:

- Lightweight
- Black in color and low-profile
- Quick adjust cam buckle on adjustable waist belt
- Elastic rear straps keep leg loops positioned correctly
- Comfortable padding
- Quick clip front attachment point
- Quick release buckles on adjustable leg loops
- Sewn vertical webbing attachment points for custom gear loops

**Weight:**.....2.5 lbs

**Waist:**.....81–137 cm (32"–54")

**Leg:**.....56–79 cm (22"–31")

**Weight:**.....1.1 Kg ( 2.43 lbs)

Black ●

**SG51301**



## PMI® Avatar Seat Harness

The Avatar Seat harness is the Cadillac of harnesses. If you spend a lot of time in a seat harness, choose the Avatar for comfort.

**COMPLIANT:** NFPA 1983 (2017), CLASS II

### Key Features:

- Front waist and lumbar attachment points
- Ergonomic padding
- Adjustable leg loops and rear risers

**Weight:** 4.1 lbs

### Standard

**Waist:**.....30"- 55"

**Leg:** .....19"- 34"

**Weight:**.....4.10 lbs (1.860 kg)

Black ●

**SG51043**

### Large-XL

**Waist:** 35"- 61"

**Leg:** 24"- 40"

**Weight:** 4.25 lbs (1.928 kg)

Black ●

**SG51044**



## PMI® Backcountry Rescue Harness

This fully adjustable mountaineering harness is perfect for Search and Rescue professionals who require light weight comfort and adjustability. Buckles at the waist and legs allow the user to quickly adapt to different layers of clothing, whatever the weather. Reinforced polyester offers exceptional abrasion resistance, with reflective trim for nighttime visibility.

**COMPLIANT:** ASTM F1772, EN 12277 TYPE C, CE

**Weight:**.....1.1 lbs

**Color:** .....Green/Gray

**Waist:**.....26"-56"

**Leg:** .....18"-33"

**Weight:**.....1.44 lbs (473 g)

Green/Grey ●

**SG51271**



## PMI® Avatar Diamond Chest Harness

Providing maximum versatility for Fall Arrest or Confined Space Operations, the Diamond features sternal and dorsal attachment points as well as shoulder lifting rings. Includes a 10 mm Delta Maillon screw link. Not for use without PMI® Avatar Seat Harness.

**COMPLIANT:** NFPA 1983 (2017), CLASS III

**Weight:**.....2.1 lbs

**Weight:**.....2.10 lbs (953 g)

Black ●

**SG51045**





## Beal - Dragon Top chest harness

NEW

Lightweight and adjustable Y-shaped top chest harness compatible with DRAGON harness to obtain a complete harness. Easy to put on and comfortable, it keeps the operator in an upright position in the event of a fall. Two sternal and dorsal fall arrest attachment points.

**COMPLIANT:** EN 12277, EN 361

### Key features:

- Textile back stitch to limit friction in tight environments
- Straps with narrowing that avoids friction at the neck
- Presence of a ring and a gear holder on each of the straps
- Possibility to snap on each shoulder strap for vertical evacuation
- Strap for fixing the HOLD UP ascender

**Weight:**.....1.036 lbs

**Material:**.....Polyamide

**Size:**.....Universal

**Maximum mass:**.....330 lbs (150 kg)

**Waist:**.....61"-78.7"

BP101BK0CO



## Beal - Dragon Harness

NEW

A full-featured industrial / rescue harness at a fraction of the weight. In combination with the DRAGON TOP this harness outperforms heavier, more expensive counterparts for a wide range of rescue and work positioning activities.

**COMPLIANT:** EN 358, EN 361 WITH CHEST HARNESS, EN 813, CE

### Key Features:

- Soft, flexible waist belt
- Padded leg loops for stability and comfort
- Textile side positioning connections at hips
- Evacuation loop at rear waist
- Four sturdy gear loops
- Two tool straps
- Six mini gear loops
- Quick Adjust Rear Risers
- Compatible with DRAGON TOP to create a full body harness

**Max weight** 308 lbs (140kg)

**Buckle Material** Aluminium, Steel

**Strap material** polyamide

S/M

**Waist:**.....26.7"-39.3"

**Thigh:**.....16.5"-24.4"

BP101BK0ML



L/XL

**Thigh:**.....28.3"-49.2"

**Waist:**.....19.6"-27.5"

BP101BK0SM

## Beal - Air Top chest harness

NEW

Adjustable chest harness with figure 8 shape for use with a SHAOLIN sit harness. This comfortable harness ensures the user remains in an upright position during a fall.

**COMPLIANT:** EN 12277, EN 361

### Key Features:

- Figure 8 shapes provides freedom of movement and distributes pressure around the chest evenly.
- 2 adjustment buckles to adjust the length of the shoulder straps.
- A single adjustment buckle allows the sternal attachment point to be correctly positioned in relation to the user, regardless of their physique.
- A reinforced webbing fall arrest attachment point is ideal in confined spaces allowing progression without hindrance.
- Can easily be fitted with an elastic positioning strap for the chest ascender.
- Large elastic retainers help tidy the chest ascender's webbing.

**Weight:**.....0.88 lbs

**Material:**.....Polyamide

**Chest circumference:** ..23.6"-55.1"

BP102BK0CO



## Beal - Shaolin Harness

NEW

Stylish, light-weight work positioning and rescue harness is laser cut and ergonomically curved for maximum comfort, with optimal pressure distribution on the hips and thighs. This unique harness fits almost any body type comfortably. With the largest size weighing in at under 28 ounces, it is especially suited for austere environments including backcountry rescue, via ferrata, and challenge course operations.

**COMPLIANT:** EN 358, EN 361, EN 813, CE

### Key Features:

- Exclusive BEAL WEB CORE Technology
- Optimized for wide range of motion
- Low ventral attachment
- Textile and Aluminum front connection points accommodate numerous attachments
- Omni-directional front (ventral) connecting ring
- Full strength rear waist attachment point for positioning or restraint
- Side positioning attachment points
- Five flexible gear loops
- Flat webbing tool attachment points around the waistbelt
- Drop Seat Rear Risers
- Clear ID window for personalization
- Three sizes for precision fit
- Designed to fit with AIR TOP chest harness

**Weight:** 1.67 lbs

XL

**Small**

**Weight:**.....1.78 lb

**Weight:**.....1.54 lb

**Waist:**.....33.4"-55.1"

**Waist:**.....23.6"-39.3"

**Thigh:**.....22.4"-29.5"

**Thigh:**.....16.5"-23.6"

BP102BK0XL

BP102BK0SM

M/L

**Weight:**.....1.67 lb

**Waist:**.....28.3"-47.2"

**Thigh:**.....20.4"-27.5"

BP102BK0ML





## PMI® Spectrum Full Body Harness

A simple yet comfortable and versatile sport harness designed to adjust to a variety of users. Perfect choice for use on a ropes course or climbing wall.

### Key Features:

- Adjustable waist (24" to 48") and adjustable leg loops (up to 34")
- The Standard size adjusts to fit sizes Small, Medium, and Large

**Weight:** ..... 1.15 lbs

Green/Red ●

SG51120



## PMI® Spectrum Seat Harness

A simple yet comfortable and versatile sport harness designed to adjust to a variety of users. Perfect choice for use on a ropes course or climbing wall.

### Key Features:

- Adjustable waist (24" to 48") and adjustable leg loops (up to 34")
- The Standard size adjusts to fit sizes Small, Medium, and Large

**Weight:** ..... 1.15 lbs

SG51119



## PMI® Frog Chest Harness

Designed for use with a PMI® Pit Viper seat harness as part of a "Frog" climbing system used by many cavers. Add a Climbing Technology Chest Ascender EVO between the seat and chest harness, Quick-Up handled ascender, foot loop and double cow's tail slings and connectors to complete the system.

### Key Features:

- Lightweight 1" Webbing
- Secure Dual Back Attachment
- Adjustable One-Size
- H-strap across back
- Weight: 3.4 oz. (96 g)

**Weight:** ..... 0.22 lbs

**Weight:** ..... 3.4 oz (96 g)

Black ●

SG51047



## PMI® Pit Viper Caving Harness

This caving harness features a low profile and very low frontal attachment point, making it an excellent choice for cave exploration or cave rescue. Designed to work with the Frog chest harness.

### Key Features:

- Adjustable waist and leg loops
- Abrasion guards over the backs of each leg loops
- Two gear loops
- Add your own 10 mm screw link to close the front
- Designed to work with PMI® Frog Chest Harness

**Weight:** ..... 1.01 lbs

### Standard

**Waist:** ..... 27"-39"

**Leg:** ..... 20"-26"

**Weight:** ..... 1.00 lbs  
(454 g)

● Red

SG51038

### Large - XL

**Waist:** ..... 32"-55"

**Leg:** ..... 24"-30"

**Weight:** ..... 1.06 lbs  
(476 g)

● Red

SG51046





## PMI® Gear Pocket

This Cordura® gear pocket is designed to organize pulleys, gloves, carabiners, prusiks or any small sized gear without overloading your gear loops. It is also excellent for emergency kit use. Internal mesh divider keeps gear organized and internal adjustable loops secure gear and prevents it falling out even while inverted. The creative attachment system fits over the waistbelt of any PMI harness and allows for snug security, while the top loading design makes for easy access.

### Key Features:

- Attaches to any harness with sleek padded Velcro straps 2 mesh pockets inside to keep gear in place Perfect size for gloves, headlamp, food, or even a small hydration bladder

**Weight:**..... 0.23 lbs

**Color:** ..... Black, Red

Red ●  
**SG51150**

Black ●  
**SG51168**



## PMI® ExTender

Protect your tools (up to 1 lb) from dropping with this spiral cord extendible leash. Three separate tool cords are provided to be used interchangeably with the leash, each with a retainer loop for securing tools between use.

### Key Features:

- Extends up to 300%
- Mini carabiner connection
- Pairs well with GRUNT BUCKET
- Removable tool attachment loop
- 1 lb Tool Capacity
- Prevents dropped tools

**Weight:**..... 0.19 lbs

**Length**

**Minimum:** ..... 7.1"

**Maximum:** ..... 52.4"

**Weight:**..... 3.0 oz (85 g)

**AC10019**



## Tractel Spreader Bar

A spreader bar should be used any time someone is being lifted by shoulder attachment points such as those on the PMI® Avatar or the PMI® CS Tech. Lifting without using a spreader bar will cause the shoulder straps to pinch at the neck.

### Key Features:

- Nylon web Y lanyard
- Center D ring
- 3/4 (1.2 cm) snap hooks on both ends

**Weight:**..... 1.85 lbs

**Length:**..... 20.50" (52.1 cm)

**Width:**..... 12.00" (30.5 cm)

Black ●  
**HD26050**



## EZ-On Rescue Dog Vest

The PMI EZ-On Rescue Dog Vest is easy to fit and use. Constructed of durable, tear- and chew-resistant material. Comfortable design with a wide range of adjustable chest and belly straps provides additional comfort and protection to the dog.

### Key Features:

- Durable
- High-Viz, reflection straps
- Adjustable chest and belly straps

Red ●  
**SG51302**



## Climbing Technology Seat Tec

An evolution in comfort seat technology for rope access and work at height. This robust, adjustable positioning seat offers a broad, padded platform with raised, rigid edges to prevent straps from pressing on the technician's thighs. Sturdy gear loops on both sides, as well as underneath. Maximum stability with unsurpassed comfort and function.

### Key Features:

- Broad, padded seat for comfort and stability;
- Adjustable side straps with autoblocking buckles
- Sturdy gear loops on sides and beneath
- Gear loop connections offer a convenient distribution of loads

**Weight:**..... 2.6 lbs

**HD26284**





## PMI® Dynamic Sewn Lanyard

**COMPLIANT:** ANSI Z359.1

### Key Features:

- Made from 11 mm PMI Dynamic™ rope
- Includes PMI Sewn Eye terminations
- Available in 4 lengths
- Quick identification while in use: red rope is shorter, black rope is longer

**Weight:**.....0.17 lbs

**Length:**.....100 cm (39.4 in), 44.5 cm (17.5 in),  
60 cm (24 in), 82.5 cm (32.5 in)

**MBS:** .....22 kN (5000 lbf)

**Diameter:**...7/16" (11 mm)

**Weight:**.....44.5 cm 2.7 oz (76.5 g)

**Weight:**.....60.0 cm 3.2 oz (91.3 g)

**Weight:**.....82.6 cm 3.9 oz (110.7 g)

**Weight:**.....100.0 cm 4.4 oz (126.0 g)

44.5cm (17.5 inches)

**Red SG51250**

60cm (24 inches)

**Black SG51261**

82.5cm (32.5 inches)

**Black SG51251**

100cm (39.4 inches)

**Black SG51262**



## PMI® Quick Draw Shortlink

These sewn polyester Short Links are built with super 18 mm webbing for optimum carabiner loading while maintaining a high 22 kN breaking strength.

### Key Features:

- Lightweight
- Perfect for Rope Access connection point
- Sold individually

**Weight:**.....0.03 lbs

**MBS:** .....22 kN (5000 lbf)

**Size:** .....19 x 100 mm

**SG51159**



## PMI® Intercept Single Lanyard

The PMI Intercept is constructed of durable kernmantle rope with durable abrasion protectors inside the sewn eye and an integral energy absorber to meet EN 355 and EN 362 standards. Removable cover is designed to accommodate thorough inspection, and a unique serial number offers maximum traceability.

**COMPLIANT:** EN 355, EN 362, CE

**Weight:**.....2.07 lbs

**Length:**.....1.8 m (5.9 ft)

**SG51274**



## PMI® Caver's Cow's Tail

Use this personal connection/positioning strap in ascending systems, or as a safety on a traverse line, or at a belay station. Requires carabiners for proper use.

### Key Features:

- Made from ½ nylon webbing
- Short leg: 11
- Long leg: 21

**Weight:**.....0.17 lbs

**Static Load Limit:**.....589 lbf

**Shock Load Factor 2:**....short leg 1984 lbf  
long leg 2860 lbf

**MBS (fully extended):**..3890 lbf

**Weight:**.....2.7 oz (77 g)

**SG51048**





## PMI® Intercept Twin Lanyard

This V-shaped fall arrest lanyard incorporates an integral energy absorber, and complies with European fall arrest standards EN 355 and EN 362. It offers maximum protection for passing intermediate anchors on a fixed line. Sewn terminations are protected by a removable cover to permit complete inspection.

**COMPLIANT:** EN 355, EN 362, CE

**Weight:**.....3.0 lbs

**Length:**.....0.75 m (2.5 ft), 1.50 m (4.9 ft)

**Weight:**.....3.00 lbs (1.357 kg), 3.24 lbs (1.469 kg)

0.75m (2.5 ft)

**SG51272**

1.50m (4.9 ft)

**SG51273**



## Beal - Dynapro Air V hook Lanyard

**NEW**

V-shaped twin fall arrest lanyards (1-meter) with integrated energy absorber (EN355 + EN362). Designed as a progression lanyard for work environments where a fall risk may exist, it is well-adapted to structures where anchor points are cables, bars or beams.

**COMPLIANT:** EN 355, EN 362

### Key Features:

- Force Absorber combined with twin lanyards
- V-shaped configuration with two symmetrical rope legs for progression
- Each lanyard is fitted with a AIR-HOOK LARGE connector to clip anchor points
- Harness connection point is equipped with an O'LIGHT 3-MATIC connector for security
- Sewn terminations with reinforced eyes to protect the rope
- Termination stitching protected by removable covers that allow inspection
- Marked with a unique serial number and a QR code to assist traceability
- Equipped with a label to accommodate personal markings.

**Weight:** 3.373 lbs

**BPAHV00100**



## Beal - Adjust Air Lanyard

**NEW**

An adjustable positioning lanyard consisting of 12.5 mm rope with an extra protective sleeve, rope adjuster, and double-lock aluminum carabiner.

### Key Features:

- Available in three different lengths: 2-meters, 3-meters, and 5-meters.
- Removable valve on the reinforced eye allows for easy stitch inspection.
- Each unit is marked with a unique serial number and is equipped with a label to adapt to personal signs, as well as a QR code to help with traceability.
- It is marked with a unique serial number and is equipped with a label to adapt to personal signs, as well as a QR code to help with traceability.
- Reinforced eye termination.
- CE marked to EN 358 standard.

**Weight:**..... N/A

**Size:** .....2 m, 3 m, 5 m

**BPAIR00300**





### **PMI® Advantage Helmet**

For classic styling, maximum comfort and minimum impact, PMI® Advantage offers industrial Kevlar® head protection and plenty of detail oriented comfort. Fully adjustable ratchet headband and straps make this a helmet for almost any size head. Meets NFPA 1951 as a Utility Technical Rescue Protective Helmet Standard.

**COMPLIANT:** ANSI Z89.1 TYPE 1, CLASS G (2200V) TYPE 1 & 2, EN 397, NFPA 1951

#### **Key Features:**

- Fully adjustable
- Three point chinstrap
- Headlamp retainer
- Goggle mount
- Clips to attach earmuffs

**Weight:** ..... 1.29 lbs

**Size:** ..... One Size

**Head Circumference:** ..52–64 cm

**Weight:** ..... 1.25 lbs (567 g)

Orange   
 HL33011

Red   
 HL33012

Blue   
 HL33013

White   
 HL33014

Matte Black   
 HL33035

Flourescent Green   
 HL33018

### **PMI® Pod Helmet**

Excellent for vertical work and confined space operations, the POD is versatile, lightweight, and features a built in light pod that accepts the intrinsically safe UK4AA Light

**COMPLIANT:** ANSI Z89.1 TYPE 1, CLASS G (2200V) TYPE 1 & 2, EN 397

#### **Key Features:**

- Three point chinstrap
- Flash light POD
- Goggle mount

**Weight:** ..... 1.3 lbs

**Size:** ..... One Size

**Head Circumference:** ..52–64 cm

**Weight:** ..... 1.25 lbs (567 g)

Red   
 HL33025

White   
 HL33026



### Pacific Kiwi USAR Helmet

PMI is proud to offer this unique rescue helmet, compliant with the newest NFPA 1951: Standard on Protective Ensembles for Technical Rescue Operations as a Rescue and Recovery Technical Rescue Protective Helmet.

**COMPLIANT:** ANSI Z89.1 (2014) TYPE 2 CLASS G (2200V), EN 443, NFPA 1951 (2013), CE

#### Key Features:

- Ventilated Kevlar® RTM™
- Full head polyurethane impact liner
- Leather ratchet headband
- Leather crown comfort cap
- Nomex® chinstrap

**Weight:**.....2 lbs

**Size:**.....One Size

**Head Circumference:** ..52–64 cm

**Weight:**.....2.0 lbs (907 g)

White   
**HL33037**

Red   
**HL33038**

Yellow   
**HL33039**

Black   
**HL33041**

### PMI® Ventilator Helmet

This light duty rescue helmet has all of the features of the Advantage, but has an added vent for those jobs when you need the protection of the Kevlar® shell along with a breeze.

#### Key Features:

- Kevlar® shell Three point chinstrap Headlamp retainer Reflectors Fully adjustable

**Weight:**.....1.15 lbs

Red   
**HL33068**

White   
**HL33069**

Rope

Webbing  
and Cordage

Personal  
Gear

Hardware

Solutions  
and Kits

Patient  
Care

Logistics and  
Support Gear

Training and  
Education



### **PMI® Brigade Rescue Helmet**

With classic European styling, this reinforced Kevlar® composite shell helmet offers greater comfort and protection for professional rescuers than thermoplastic climbing helmets. High-gloss, UV resistant painted exterior is safe for stickers.

**COMPLIANT:** ANSI Z89.1 TYPE 1, CLASS G (2200V) TYPE 3, EN 397, NFPA 1951 (2013)

#### **Key Features:**

- Lightweight Kevlar® and fiberglass composite shell
- UV-resistant hi-gloss or matte paint finish
- Headband with removable merino wool for cleaning and replacement
- Nape strap with ratchet size adjustment between 52-64cm for comfortable fit
- Nylon webbing cradle system for optimal comfort
- 4-point polyester chinstrap with quick release buckle

**Weight:** ..... 1.6 lbs

**Size:** ..... One Size

**Head Circumference:** .. 52–64 cm

**Weight:** ..... 1.52 lbs (690 g)

Red   
 HL33085

White   
 HL33086

Black   
 HL33087

### **PMI® Impact ANSI Helmet**

A high performance helmet offering maximum impact and penetration resistance, this helmet is the best choice for technical rescuers and rope access technicians working in demanding environments.

**COMPLIANT:** ANSI189.1-2014 CLASS C, EN50635 LOW VOLTAGE

#### **Key Features:**

- Increased Side-impact protection
- Micro-Peak brim deflects debris
- Comfortable Ventilated design
- High visibility colors
- Wheel ratchet headband
- DryTech sweatband
- Optional stickers (included)
- Custom colors available (MOQ applies)

**Weight:** ..... 1.12 lbs

**White**

HL33092

**Hi-Viz Orange**

HL33093

**Hi-Viz Yellow**

HL33094



### PMI® E-Go ANSI Helmet

Designed to help protect workers who may be exposed to high voltage environments, this comfortable helmet carries E-rating certifications for USA (ANSI), Europe (CE), and Canada (CSA). A ratchet headband and 4-point quick release chinstrap offer stability and comfort.

**COMPLIANT:** ANSI Z89.1-2014 CLASS E, EN397:2012+A1:2012 (IND. HELMETS), EN50635 LOW VOLTAGE

#### Key Features:

- Value-priced E-rated helmet
- Non-ventilated for electrical protection
- Ergonomic shell design
- Electrostatic resistance
- Optional stickers (included)
- Custom colors available (MOQ applies)

**Weight:**.....0.851 lbs

Yellow   
 HL33095

Blue   
 HL33096

### PMI® Air-Go ANSI Helmet

Modern styling and certified protection at an economical price, this helmet complies with USA, Canadian, and European safety standards. This is a helmet that you'll be happy to wear.

**COMPLIANT:** ANSI/ISEA Z89.1-2014 TYPE 1 CLASS C, CSA/CAN Z94.1-05 TYPE 1 CLASS C, EN 397, EN 50365, TESTED TO THE PERFORMANCE REQUIREMENTS OF AS/NZS 1801:1997

#### Key Features:

- Comfortable ventilated design
- Stylish ABS shell
- Fast, easy adjustment from 53-64cm
- Replaceable headband & strap
- Optional stickers (included)
- Custom colors available (MOQ applies)

**Weight:**.....0.851 lbs

White   
 HL33097

Red   
 HL33098

Rope

Webbing  
and Cordage

Personal  
Gear

Hardware

Solutions  
and Kits

Patient  
Care

Logistics and  
Support Gear

Training and  
Education



## X-Tricator Goggles With Mount

Primary eye protection intended to supplement a face shield. Mount to PMI® Advantage with preinstalled snap mount system, or use the optional mounting brackets for attachment to other helmets.

**COMPLIANT:** ANSI Z87.1-03, EN 166 (B), CE

### Key Features:

- Durable comfortable face padding around eyes
- Includes on tear off lens
- Impact requirements of US MIIV-43511C
- Screw, snap on mount

**Weight:**.....8.5 oz (176 g)

HL33021



## ESS Nomex Goggle Sleeve

The ESS Innerzone Nomex® Heat Sleeve™ helps protect the goggles from the elements when not being worn, keeping them clean, scratch free, and buffered from heat.

### Key Features:

- Nomex®
- Fits X-Tricator Goggles, with or without mount

**Weight:** 0.053 lbs

HL33029



## PMI® Shadow Helmet Brim

Cool Shade on a hot day. The PMI Shadow Helmet shade offers relief from the suns heat and glare all at a very affordable price. Great also for protecting from rain and snow fall. Made from durable Cordera and nylon the Shadow has a flexible inner collar, elastic adjustable strap with keeper, and non-slip lining so it fits almost every work helmet made. Available in red or grey with black trim the PMI Shadow is your answer to controlling the elements.

**Weight:**.....0.375 lbs

Grey HL33100

Red HL33101



## ESS Striketeam XTO Goggles

Exclusive tech features make these the goggle of choice for wildland firefighting, technical rescue, and EMT personnel. Fully ventilated frame with buffered airflow for powerful fog resistance and high filtration of airborne particles and smoke.

**COMPLIANT:** ANSI Z87.1-03

### Key Features:

- 2.4 mm thick
- High impact polycarbonate lenses
- Closed cell foam padding for a perfect fit
- Anti-scratch & anti fog lenses

**Weight:**.....0.4 lbs

HL33023



## Peltor Hi Viz Ear muffs

Peltor helmet mount ear protectors mount firmly to the PMI® Advantage and many other helmets for comfortable, unparalleled hearing protection. Low profile construction fits close to the head, with no protruding parts. (Mounting Clips needed for PMI Helmets.)

### Key Features:

- Ear Muff Mounting Clip Set
- Pair
- Fits All Helmets
- Black Polycarbonat

## Peltor Hi Viz Earmuffs

**Weight:**.....0.617 lbs

HL33042



## Earmuff Mounting Clip Set

**Weight:**.....0.026 lbs

Orange

HL33045

## UK 4AA Light

The unbreakable UK4AA Light is the perfect hand held light and it works with the PMI® Pod Helmet. A bright Xenon bulb provides brilliant, long lasting light.

### Key Features:

- Waterproof Push-button thumb switch
- Virtually indestructible
- Powered by 4 AA batteries included

**Weight:**.....0.44 lbs

Yellow

HG32006





## Black Diamond Icon Headlamp

Whether you're rappelling an alpine route or 50 miles into an overnight trail run, the Black Diamond Icon Headlamp provides an unparalleled 500-lumen output, making it our most powerful light. Waterproof to 1 meter, it's fortified for mishaps, and with red, green and blue night-vision modes, its versatile for any mission and easily protects your night vision. Now with a removable battery pack that can be easily stowed in a pocket to preserve battery life and programmable brightness memory, the Icon can be customized to fit any adventure.

### Key Features:

- One QuadPower LED spotlight and 1 DoublePower white LED emit 500 lumens (max. setting)
- Programmable Brightness Memory gives you the option to set the brightness level when first turned on
- Removable battery pack (longer cable included)
- Red, Green and Blue night vision modes cover the spectrum of night vision needs
- Settings include full strength (in proximity and distance modes), dimming, strobe, RGB night vision options and lock mode
- Three-level power meter shows remaining battery life for three seconds after switching on headlamp
- IP67: Waterproof and dust proof—Best for saltwater and extremely wet or dusty environments. Unit is completely sealed and tested to operate up to 1 meter underwater for 30 minutes. Requires no maintenance after submersion

**Weight:**.....0.9135 lbs

Black ●  
HG32032



## Black Diamond Cosmo Headlamp

After-dark dinners on the tailgate, mid-week dawn patrols or late hikes out from the crag are easily handled by the Black Diamond Cosmo headlamp, a sleek, super-bright headlamp for any outdoor pursuit that runs short on daylight. The Cosmo features 225 lumens of power and six different lighting modes, including red night vision, that all adjust with a single push-button switch. And with a sleek and modern water resistant construction, the Cosmo keeps shining the way through unexpected storms, afternoon precip and accidental dunkings.

### Key Features:

- 1 TriplePower LED, 1 DoublePower LED and 1 DoublePower red LED emit 160 lumens (max setting)
- Red night-vision mode has proximity and strobe settings, and activates without cycling through the white mode
- Sleek, modern design with tiltable housing uses 3 AAA batteries. Settings include proximity and distance modes, dimming, strobe, red night vision and lock mode
- IPX4: Storm proof—Tested to withstand rain and sleet from any angle.

**Weight:**.....0.2 lbs

**Weight:**.....3.0 oz (87 g)

Aluminum ●  
HG32029



Matte Black ●  
HG32030



## Black Diamond Spot Headlamp

Our most popular headlamp for everything from pre-work dawn patrols to late-night rappels after a long day, the Black Diamond Spot Headlamp now features 300 lumens of power in a waterproof package. Featuring PowerTap Technology, easy on-the-fly brightness adjustments are literally at the tip of your fingers. At first touch, the proximity light is illuminated, eliminating the headlamp shuffle when transitioning from camp tasks to low-light activities. With a handy lock mode, the Spot is safe from accidental battery drain while in your pack or pocket.

### Key Features:

- One TriplePower LED, one SinglePower white LED and one SinglePower red LED emits 200 lumens (max setting)
- PowerTap Technology allows fast and simple transitioning between full and dimmed power in order to instantly increase illumination in distance or proximity modes
- Red night-vision mode has proximity and strobe settings, and activates without cycling through the white mode
- Sleek, low profile design uses three AAA batteries and three-level power meter shows remaining battery life for three seconds after switching on headlamp
- Settings include: full strength in proximity and distance modes, dimming, strobe, red night vision and lock mode
- IPX8: Waterproof—Tested to operate up to 1.1 meters underwater for 30 minutes. If submerged, water may enter the battery compartment and it will still operate, and it should be dried out completely afterwards.

**Weight:**.....0.35 lbs

Aluminum ●  
HG32028



## Black Diamond Ion headlamp - Assorted Colors

Extremely compact and powerful, the Black Diamond Ion headlamp packs 80 lumens of power into a tiny package for just-in-case lighting and ultralight missions. The touchcontrol housing lets you switch from full power to dimmed, strobe or red night vision lighting at the swipe of a finger.

### Key Features:

- One DoublePower LED and one SinglePower red LED emit up to 80 lumens on max setting
- Modern touch-control housing runs on two AAA lithium, standard alkaline or rechargeable batteries (comes with lithiums for lightweight cold-weather performance)
- Settings include full strength in proximity and distance modes, dimming, strobe, red night vision and lock mode
- IPX8: Waterproof Tested to operate up to 1.1 meters underwater for 30 minutes

**Weight:**.....1.7 oz (48 g)

Black/●  
HG32033





## PMI® H2-Throw Bag Water Rescue Rope

Lightweight nylon throw bags stuffed with PMI® Water Rescue Rope.

### Key Features:

- Lightweight nylon bag
- Pre-tied loop terminations
- Bag includes flotation disc
- Rigged and ready to go
- Bags also sold separately
- Durable Mesh for expelling water
- Bright Reflective Band around the center for visibility

**Weight:**.....3.63 lbs

**Diameter:**...10 mm, 7 mm

**Length:**.....15 m (49 ft)

23 m (75 ft)

**MBS:** .....16 kN (3597 lbf)

8 kN (1798 lbf)

**Weight:**.....1.7 lbs (789 g)

2.31 lbs (1.043 kg)

3.63 lbs (1.656 kg)

**Height:** .....6.00" 15.2 cm

**Length:**.....13.00" (33 cm)

**Width:**.....6.00" (15.2 cm)

**10 mm**

w/15 m (49 ft) **KT36023**

w/23 m (75 ft) **KT36019**

**7 mm**

w/23 m (75 ft) **KT36021**



## PMI® Mesh Panel Throw Bag

Lightweight nylon throw bag for creating your own Water Rescue Throw Bag with your PMI rope of choice.

### Key Features:

- Light Weight Nylon Bag
- Bag Includes a Floatation Disc
- Durable Mesh for expelling water
- Bright Reflective Band around the center for visibility
- Has an Elastic Loop on the side that for cyalume stick
- Durable Webbing Hand Strap for better control

**Weight:**.....0.23125 lbs

**RB44033**



## PMI® Throw Bag with Economy Throw Rope

Lightweight nylon throw bags stuffed with PMI®'s Economy Throw Rope.

### Key Features:

- Lightweight nylon bag
- Pre-tied loop terminations
- Bag includes a flotation disc
- Rigged and ready for use
- Durable Webbing Hand Strap for better control
- Has an Elastic Loop on the side that for cyalume stick

**Weight:**.....1.25 lbs

**Diameter:**...10 mm

**Length:**.....15 m (49 ft), 23 m (75 ft)

**Material:** ....Polypropylene

**MBS:** .....8 kN (1798 lbf)

**Weight:**.....1.3 lbs (590 kg),

1.8 lbs (816 g)

**Height:** .....6.00" (15.2 cm)

**Length:**.....13.00" (33.0 cm)

**Width:**.....6.00" (15.2 cm)



w/15 meters (49 ft) of 10 mm

**KT36024**

w/23 meters (75 ft) of 10 mm

**KT36020**

## BIG SHOT® Deluxe Kit

Rapidly deliver a leader line across difficult vertical or horizontal terrain with this innovative and economical alternative to traditional "line guns". Unit can be assembled in a matter of seconds and will throw a lightweight Spectra line up to 120 ft vertically or more than 300 ft horizontally. The BIG SHOT® Deluxe throw weight launching system is a complete kit for all of your line setting needs.

### Key Features:

- Includes two 4 foot fiberglass poles
- BIG SHOT® head
- 200 feet of Neon Plus 3 mm line
- Throwline bag
- 8oz throw weight
- 10oz throw weight
- Replacement BIG SHOT® tubing
- Heavy-duty carrying case

**Weight:**.....16 lbs

**Height:** .....10.75" (27.3 cm)

**Length:**.....51.50" (130.8 cm)

**Width:**.....7.50" (19.0 cm)

**Weight:**.....14.31 lbs (6.490 kg)

**Case Weight:** 6.00 lbs (2.720 kg)

**LT41010**





## Force 6 Rescuer PFD

The Force 6 Rescue vest is equipped with a strong swimmers belt and quick-release system; providing superior safety and versatility in a streamlined version of the top of the line Swift Water Rescue Technician Force 6 Instructor's PFD.

**COMPLIANT: IRIA**

### Key Features:

- Integrated 1" nylon tape structural harness
- Knife & scissors and strobe light attachments on both sides
- Reflective tape over the shoulder front pockets
- Foam shoulders for added strength
- Under the arm adjustment straps
- Three part waist belt
- Two front mesh pockets

**Weight:**.....3.4 lbs

### M/L

**Weight:**.....3.4 lbs (1.500 kg)  
**Chest Circumference:**..32"-52"

Red ●  
SG51223

### XL

**Weight:**.....4.1 lbs (1.900 kg)  
**Chest Circumference:** .44"-62"

Red ●  
SG51224



## Force 6 RescueTec PFD

Force 6 Swift Water RescueTec PFD is a UL listed and United States Coast Guard approved Type 5 Professional Swiftwater Rescue PFD. The RescueTec PFD is feature loaded including a removable left-front pocket, dual 1 1/2 in QR belts for throw bag attachment, waist belt with Gripp-Loc to prevent ride up. Adjustable shoulders with dual AustriAlpin anodized aluminum buckles, Molded extraction handle, 4 inch Velcro® name attachment back-band, Heavy duty YKK front entry zipper, 12 elastic strap container bands, rear hydration attachment points, neoprene neck water dam, lapel strap tunnels, and reflective material on both the front and the back.

**COMPLIANT: USCG TYPE 5 PROFESSIONAL**

- UL listed and United States Coast Guard approved Type 5 Professional Swiftwater Rescue PFD
- 22 lbs. minimum flotation on both the S/M and L/XL models
- Gripp-Loc on waist belt to reduce ride up
- Left Front Pocket
- Shell Fabric - High tenacity 420 Denier Fabric

**Weight:**.....4.8 lbs

### S/M

**Weight:**.....5.00 lbs (2.268 kg)  
**Chest Circumference:** .28"-40"

Red ●  
SG51266

### L/XL

**Weight:**.....6.00 lbs (2.722 kg)  
**Chest Circumference:** .42"-52"

Red ●  
SG51267





## PMI® Lightweight Rappel Gloves

The original PMI rope work and rappel glove, still the most popular glove on the market. Lightweight, pliable goatskin provides excellent finger dexterity while two extra layers of cowhide across the palm maximize protection where you need it most.

### **Key Features:**

- Soft leathers provide easy movement
- No exposed seams on the palm

**Weight:** 0.322 lbs

**Material** Goatskin and Cowhide

**S**

**Weight:**..... 4.7 oz (133 g)

**Circumference:** 7.5"-8.0"

**Max Length:** ..... 7.5"

**GL22002**

**M**

**Weight:**..... 4.7 oz (133 g)

**Circumference:** 8.0"-8.75"

**Max Length:** ..... 7.75"

**GL22003**

**L**

**Weight:**..... 5.3 oz (150 g)

**Circumference:** 8.75"-9.5"

**Max Length:** ..... 8.0"

**GL22004**

**XL**

**Weight:**..... 5.7 oz (162 g)

**Circumference:** 9.5"-10.5"

**Max Length:** ..... 8.25"

**GL22005**

**XXL**

**Weight:**..... 5.7 oz (162 g)

**Circumference:** 10.5"-12"

**Max Length:** ..... 8.5"

**GL22006**





## PMI® Tactical Black Gloves

This all black version of the PMI® Heavyweight glove is very popular for tactical rope operations.

### Key Features:

- All Black for Tactical operations
- 3 layers of cowhide across the palm
- PMI® Heavyweight gloves have thicker layers of leather for added protection from abrasion and puncture

**Weight:** 0.523 lbs

**Size:** L, M, S, XL, XXL

**Material:** Cowhide

**S**

**Weight:** ..... 7.9 oz (224 g)

**Circumference:** 7.5"-8.0"

**Max Length:** ..... 7.5"

**GL22200**

**M**

**Weight:** ..... 9.0 oz (255 g)

**Circumference:** 8.0"-8.75"

**Max Length:** ..... 7.75"

**GL22201**

**L**

**Weight:** ..... 9.1 oz (258 g)

**Circumference:** 8.75"-9.5"

**Max Length:** ..... 8.0"

**GL22202**

**XL**

**Weight:** ..... 10.1 oz (286 g)

**Circumference:** 9.5"-10.5"

**Max Length:** ..... 8.25"

**GL22203**

**XXL**

**Weight:** ..... 10.5 oz (298 g)

**GL22204**





### PMI® Rope Tech Gloves

Hand protection and finger dexterity at its best. This ultra-lightweight design is great for belaying, knot tying and other rigging work. It is not suitable hand protection for fast rope or other body rappel techniques.

#### Key Features:

- Synthetic leather (palm base layer)
- Cowhide layer (finger wear points and palm)
- Ergonomically shaped for maximum protection and durability
- Two-Way stretch spandex on top and fingers for greater mobility and breathability
- Elastic cuff with pull-tab and Velcro® closure
- Carabiner loop stores inside for snag free operations

**Weight:**..... 0.221 lbs

#### XXS

**Weight:**..... 7.9 oz (224 g)  
**Circumference:** Up to 7.5"  
**Max Length:** .... 7.0"

#### GL22300

#### L

**Weight:**..... 9.1 oz (258 g)  
**Circumference:** 8.75"-9.5"  
**Max Length:** .... 8.0"

#### GL22304

#### XS

**Weight:**..... 7.9 oz (224 g)  
**Circumference:** 7.0"-7.5"  
**Max Length:** .... 7.25

#### XL

**Weight:**..... 10.1 oz (286 g)  
**Circumference:** 9.50"-10.50"  
**Max Length:** .... 8.25"

#### GL22301

#### GL22305

#### S

**Weight:**..... 7.9 oz (224 g)  
**Circumference:** 7.5"-8.0"  
**Max Length:** .... 7.5"

#### XXL

**Weight:**..... 10.5 oz (298 g)  
**Circumference:** 10.50"-12.00"  
**Max Length:** .... 8.50"

#### GL22302

#### GL22306

#### M

**Weight:**..... 9.0 oz (255 g)  
**Circumference:** 8.0"-8.75"  
**Max Length:** .... 7.75"

#### GL22303



### PMI® Fingerless Belay Gloves White/Tan

PMI's famous Rappel Glove, re-engineered. Fingerless design constructed of pliable goatskin and an extra layer of durable cowhide across the palm. Goatskin is used because it has a short break-in period and it also naturally contains lanolin which keeps the gloves supple. An original innovative designed leather pull tab between the fingers makes removal easy.

#### Key Features:

- Lightweight
- Soft leathers provide easy movement
- Fingers covered just enough for protection
- Quick removal

**Weight:**..... 0.143 lbs

**Material:** ..... Goatskin and Cowhide

#### S

**Weight:**..... 4.7 oz (133 g)  
**Circumference:** 7.5"-8.0"

#### GL22402

#### M

**Weight:**..... 4.7 oz (133 g)  
**Circumference:** 8.0"-8.75"

#### GL22403

#### L

**Weight:**..... 5.3 oz (150 g)  
**Circumference:** 8.75"-9.50"

#### GL22404

#### XL

**Weight:**..... 5.7 oz (162 g)  
**Circumference:** 9.50"-10.50"

#### GL22405

**PMI® Stealth Tech Gloves**

An all-black version of the PMI® Rope Tech Glove. Superior protection without the compromise of dexterity.

**Key Features:**

- Synthetic leather (palm base layer)
- Cowhide layer (finger wear points and palm)
- Ergonomically shaped for maximum protection and durability
- Two-Way stretch spandex on top and fingers for greater mobility and breathability
- Elastic cuff with pull-tab and Velcro closure
- Carabiner loop stores inside for snag free operations

**Weight: 0.2045 lbs**

**Material: Synthetic Leather and Cowhide**

**S**

**Weight:**..... 7.9 oz (224 g)

**Circumference:** 7.5"-8.0"

**Max Length:** ..... 7.5"

**GL22502**

**XL**

**Weight:**..... 10.1 oz (286 g)

**Circumference:** 9.50"-10.50"

**Max Length:** ..... 8.25"

**GL22505**

**GL22503**

**M**

**Weight:**..... 9.0 oz (255 g)

**Circumference:** 8.0"-8.75"

**Max Length:** ..... 7.75"

**XXL**

**Circumference:** 10.50"-12.00"

**Max Length:** ..... 8.50"

**GL22506**

**GL22504**

**L**

**Weight:**..... 9.1 oz (258 g)

**Circumference:** 8.75"-9.5"

**Max Length:** ..... 8.0"

	Glove Name	Weight	Material	Circumference	Max Length
<b>X-SMALL</b>	Fingerless	4.3 oz (121 g)	Goatskin, Cowhide	7.0"- 7.5"	
	Rope Tech	7.9 oz (224 g)	Synthetic Leather, Cowhide	7.0"- 7.5"	7.25"
	Fingerless	4.7 oz (133 g)	Goatskin, Cowhide	7.5"- 8.0"	
	Rope Tech	7.9 oz (224 g)	Synthetic Leather, Cowhide	7.5"- 8.0"	7.50"
	Lightweight Rappel	4.7 oz (133 g)	Goatskin, Cowhide	7.5"- 8.0"	7.50"
	Heavyweight	7.9 oz (224 g)	Cowhide	7.5"- 8.0"	7.50"
<b>SMALL</b>	Tactical	7.9 oz (224 g)	Cowhide	7.5"- 8.0"	7.50"
	Fingerless	4.7 oz (133 g)	Goatskin, Cowhide	8.0"- 8.75"	
	Rope Tech	9.0 oz (255 g)	Synthetic Leather, Cowhide	8.0"- 8.75"	7.75"
	Lightweight Rappel	4.7 oz (133 g)	Goatskin, Cowhide	8.0"- 8.75"	7.75"
	Heavyweight	9.3 oz (264 g)	Cowhide	8.0"- 8.75"	7.75"
	Tactical	9.0 oz (225 g)	Cowhide	8.0"- 8.75"	7.75"
<b>MEDIUM</b>	Fingerless	5.3 oz (150 g)	Goatskin, Cowhide	8.75"- 9.50"	
	Rope Tech	9.1 oz (258 g)	Synthetic Leather, Cowhide	8.75"- 9.50"	8.00"
	Lightweight Rappel	5.3 oz (150 g)	Goatskin, Cowhide	8.75"- 9.50"	8.00"
	Heavyweight	9.5 oz (269 g)	Cowhide	8.75"- 9.50"	8.00"
	Tactical	9.1 oz (258 g)	Cowhide	8.75"- 9.50"	8.00"
<b>LARGE</b>	Fingerless	5.7 oz (162 g)	Goatskin, Cowhide	9.50"- 10.50"	
	Rope Tech	10.1 oz (286 g)	Synthetic Leather, Cowhide	9.50"- 10.50"	8.25"
	Lightweight Rappel	5.7 oz (162 g)	Goatskin, Cowhide	9.50"- 10.50"	8.25"
	Heavyweight	9.6 oz (272 g)	Cowhide	9.50"- 10.50"	8.25"
	Tactical	10.1 oz (286 g)	Cowhide	9.50"- 10.50"	8.25"
<b>X-LARGE</b>	Rope Tech	10.5 oz (298 g)	Synthetic Leather, Cowhide	10.50"- 12.0"	8.50"
	Lightweight Rappel	5.7 oz (162 g)	Goatskin, Cowhide	10.50"- 12.0"	8.50"



TerrAdaptor™ Tripod System

SM230100N



# HARDWARE

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Just as rope provides the foundation of your system, hardware drives the functionality. PMI selects the finest tools available, balancing the qualities of innovative design with reliability, and long term durability. Our commitment to relationships with quality manufacturers like SMC, ISC, Pensafe, and Climbing Technologies are based on their commitment to the industry and, ultimately, to your safety. When you choose hardware from PMI, you are choosing the best

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Content	Key Features	Technical Characteristics	SKU
<b>PMI® Paragon Auto-Lock</b> The ergonomic shape of this auto-locking connector offers a wide gate opening and offers maximum capacity in the loading area, while the autolocking gate maintains maximum security. <b>COMPLIANT:</b> EN 12275, EN 362-B, UIAA, CE	<ul style="list-style-type: none"> <li>• Works well with munter hitch or clove hitch</li> <li>• Generous loading surface</li> <li>• Ergonomic shape</li> <li>• Auto-locking gate</li> <li>• Material Aluminum</li> </ul>	<b>Weight:</b> ..... 0.1735 lbs <b>Width:</b> ..... 2.60" (6.6 cm) <b>Length:</b> ..... 4.21" (10.7 cm) <b>Weight:</b> ..... 2.3 oz (65 g) <b>Major</b> <b>Axis MBS:</b> ..... 26 kN (5845 lbf) <b>Minor</b> <b>Axis MBS:</b> ..... 8 kN (1798 lbf) <b>Gate Open MBS:</b> 6 kN (1349 lbf) <b>Gate Opening:</b> .. 0.81" (20.7 mm)	HD26257 
<b>PMI® Paragon Twist-Lock</b> The ergonomic shape of this aluminum screw gate connector fits nicely in the hand and is easy to open. The wide gate opening and maximum capacity loading area make this a great all-around carabiner. <b>COMPLIANT:</b> EN 12275, EN 362-B, UIAA, CE	<ul style="list-style-type: none"> <li>• Works well with munter hitch or clove hitch</li> <li>• Generous loading surface</li> <li>• Ergonomic shape</li> <li>• Manually-locking gate</li> <li>• Material Aluminum</li> </ul>	<b>Weight:</b> ..... 0.1563 lbs <b>Width:</b> ..... 2.60" (6.6 cm) <b>Length:</b> ..... 4.21" (10.7 cm) <b>Weight:</b> ..... 2.3 oz (65 g) <b>Major</b> <b>Axis MBS:</b> ..... 26 kN (5845 lbf) <b>Minor</b> <b>Axis MBS:</b> ..... 8 kN (1798 lbf) <b>Gate Open MBS:</b> 6 kN (1349 lbf) <b>Gate Opening:</b> .. 0.81" (20.7 mm)	HD26258 
<b>PMI® Prosaic</b> There's nothing better than a symmetrical carabiner for rigging pulleys in haul systems, and with other components that feature a swiveling side plate. This full strength oval carabiner keeps things smooth with a keylock nose, and offers ultimate security with its triple action locking gate. <b>COMPLIANT:</b> EN 12275, EN 362-B, UIAA, CE	<ul style="list-style-type: none"> <li>• Keylock design</li> <li>• Material Aluminum</li> <li>• Triple action locking gate</li> </ul>	<b>Weight:</b> ..... 0.2019 lbs <b>Width:</b> ..... 2.40" (6.1 cm) <b>Length:</b> ..... 4.33" (11.0 cm) <b>Weight:</b> ..... 2.9 oz (82 g) <b>Major</b> <b>Axis MBS:</b> ..... 22 kN (5000 lbf) <b>Minor</b> <b>Axis MBS:</b> ..... 8 kN (1798 lbf) <b>Gate Open MBS:</b> 8 kN (1798 lbf) <b>Gate Opening:</b> .. 0.67" (17.0 mm)	HD26259 
<b>Pensafe A333PS KwickLock</b> This auto-locking carabiner with lightweight offset-D aluminum is ideal for a variety of rigging applications. <b>COMPLIANT:</b> ANSI Z359.12 (2009), CSA Z259.12 (2016), NFPA 1983(2017 ED) MBS 30KN "T"	<ul style="list-style-type: none"> <li>• Ideal for use with munter or clove hitch</li> <li>• I-Beam construction</li> <li>• Material Aluminum</li> <li>• Excellent strength-to-weight ratio</li> <li>• Double-action gate</li> </ul>	<b>Weight:</b> ..... 0.2493 lbs <b>Width:</b> ..... 2.61" (6.6 cm) <b>Length:</b> ..... 4.46" (11.3 cm) <b>Weight:</b> ..... 3.5 oz (99 g) <b>Major</b> <b>Axis MBS:</b> ..... 30 kN (6730 lbf) <b>Minor</b> <b>Axis MBS:</b> ..... 16 kN (3600 lbf) <b>Gate Opening:</b> .. 0.65" (16.5 mm)	HD26274 
<b>Pensafe A847PS Locksafe</b> This offset-D aluminum carabiner features an extra-large internal volume and gate clearance, making it ideal for rope access and other rigging applications. <b>COMPLIANT:</b> ANSI Z359.12 (2009), CSA Z259.12 (2016)	<ul style="list-style-type: none"> <li>• Ideal for use with munter or clove hitch</li> <li>• Material Aluminum</li> <li>• I-Beam Construction</li> <li>• Triple-action gate</li> </ul>	<b>Weight:</b> ..... 0.2579 lbs <b>Width:</b> ..... 3.03" (7.7 cm) <b>Length:</b> ..... 4.62" (11.7 cm) <b>Weight:</b> ..... 4.1 oz (116 g) <b>Major</b> <b>Axis MBS:</b> ..... 30 kN (6744 lbf) <b>Minor</b> <b>Axis MBS:</b> ..... 16 kN (3600 lbf) <b>Gate Opening:</b> .. 0.81" (20.6 mm)	HD26275 



Content	Key Features	Technical Characteristics	SKU
<b>SMC Mountain D</b> This easy handling carabiner is a must for all around use. Large enough to organize and manage your rigging.  <b>BERRY COMPLIANT</b>	<ul style="list-style-type: none"> <li>Aluminum</li> <li>Non-Locking</li> <li>Available in 5 colors</li> </ul>	<b>Width:</b> ..... 2.56" (6.5 cm) <b>Length:</b> ..... 4.37" (11.1 cm) <b>Weight:</b> ..... 2.4 oz (68 g) <b>Major Axis MBS:</b> ..... 27 kN (6070 lbf) <b>Minor Axis MBS:</b> ..... 7 kN (1574 lbf) <b>Gate Open MBS:</b> 7 kN (1574 lbf) <b>Gate Opening:</b> .. 0.95" (24.1 mm)	<b>Bright</b> <b>SM18001</b> <b>Black</b> <b>SM18002</b> 
<b>SMC Aluminum Locking D Standard</b> This carabiner sets the standard in climbing, mountaineering, and rescue applications. Extremely lightweight, it offers high strength and a large gate opening for functional versatility. The locking sleeve engages the gate rather than the frame to prevent jamming.  <b>BERRY COMPLIANT</b>	<ul style="list-style-type: none"> <li>Modified "D" shape</li> <li>Locking screw gate</li> <li>Aluminum</li> <li>Stainless steel springs and pins</li> <li>NFPA 1983 models available</li> </ul>	<b>Weight:</b> 0.16 lbs <b>Color:</b> ..... Black, Bright, Orange, Purple, Red <b>Width:</b> ..... 2.56" (6.5 cm) <b>Length:</b> ..... 4.37" (11.1 cm) <b>Weight:</b> ..... 2.6 oz (74 g) <b>Major Axis MBS:</b> 27 kN (6070 lbf) <b>Minor Axis MBS:</b> 7 kN (1574 lbf) <b>Gate Open MBS:</b> 7 kN (1574 lbf) <b>Gate Opening:</b> .. 0.82" (20.8 mm)	<b>Bright</b> <b>SM18501</b> <b>Bright</b> <b>SM18501N</b> <b>Red</b> <b>SM18505</b> <b>Red</b> <b>SM18505N</b> <b>Black</b> <b>SM18502</b> <b>Black</b> <b>SM18502N</b> 
<b>SMC Oval</b> Keep your gear in order with the traditional SMC Oval. A traditional biner, an excellent choice.  <b>BERRY COMPLIANT</b>	<ul style="list-style-type: none"> <li>Aluminum</li> <li>Non-Locking</li> </ul>	<b>Color:</b> ..... Black, Bright <b>Width:</b> ..... 2.21" (5.6 cm) <b>Length:</b> ..... 4.26" (10.8 cm) <b>Weight:</b> ..... 2.2 oz (63 g) <b>Major Axis MBS:</b> ..... 20 kN (4496 lbf) <b>Minor Axis MBS:</b> ..... 7 kN (1574 lbf) <b>Gate Open MBS:</b> 6 kN (1349 lbf) <b>Gate Opening:</b> .. 0.71" (18.0 mm)	<b>Bright</b> <b>SM19001</b> <b>Black</b> <b>SM19002</b> 
<b>SMC Steel</b> Large size locking carabiners developed by SMC especially for the needs of the fire and rescue communities. Available in several different metal finishes, as well as in both NFPA (Class G) and non-NFPA versions. Black zinc coated models are ideal for tactical operations and stainless steel model is best for corrosive environments. Large gate opening fits easily over litter rails. All models have stainless gates and locking sleeves for greater strength and reliability.  <b>BERRY COMPLIANT</b>  <b>COMPLIANT: NFPA 1983 (2017), G</b>	<ul style="list-style-type: none"> <li>Original US made steel rescue carabiner</li> <li>Large gate opening</li> <li>Stainless steel gate and sleeve</li> </ul>	<b>Large</b> <b>Color:</b> ..... NFPA Black, NFPA Heat Treated, NFPA Zinc <b>Width:</b> ..... 2.97" (7.5 cm) <b>Length:</b> ..... 5.04" (12.8 cm) <b>Weight:</b> ..... 10.6 oz (300 g) <b>Major Axis MBS:</b> ..... 46 kN (10341 lbf) <b>Minor Axis MBS:</b> ..... 16 kN (3600 lbf) <b>Gate Open MBS:</b> 11 kN (2473 lbf) <b>Gate Opening:</b> .. 1.20" (30.5 mm)	<b>NFPA Zinc</b> <b>SM21001N</b> <b>NFPA Heat Treated</b> <b>SM21002</b> <b>NFPA Black</b> <b>SM21007N</b> 
		<b>Standard</b> <b>Weight:</b> ..... 0.67 lbs <b>Color:</b> ..... Black, Bright	<b>Bright</b> <b>SM24001</b> <b>Black</b> <b>SM24007</b> 



Content	Key Features	Technical Characteristics	SKU
<b>SMC Lite Alloy Steel</b> <b>NFPA Versions</b> <p>SMC Lite Steel locking carabiners are for those situations where the high strength and durability of SMC Steel Carabiners is desired but the size and weight is not. Increasingly popular among cave and mountain rescuers for providing most of the benefits without the weight and bulk typically associated with steel biners.</p> <p><b>BERRY COMPLIANT</b>  <b>COMPLIANT: NFPA 1983 (2017), G</b></p>	<ul style="list-style-type: none"> <li>• Stainless steel model available</li> <li>• Stainless steel gate and sleeve</li> </ul>	<b>Weight:</b> ..... 0.43 lbs <b>Color:</b> ..... Black, Bright <b>Width:</b> ..... 2.76" (7.0 cm) <b>Length:</b> ..... 4.52" (11.5 cm) <b>Weight:</b> ..... 6.6 oz (187 g) <b>Major Axis MBS:</b> ..... 45 kN (10116 lbf) <b>Minor Axis MBS:</b> ..... 12 kN (2697 lbf) <b>Gate Open MBS:</b> ..... 11 kN (2473 lbf) <b>Gate Opening:</b> .. 0.94" (23.9 mm)	<b>Bright</b> <b>SM100001N</b> <b>Black</b> <b>SM100007N</b> <b>DUALGUARD</b> <b>SM102200N</b> <b>TRIGUARD</b> <b>SM102300N</b>
<b>SMC ANSI FP Lite Alloy</b> <p>The SMC FP Lite Alloy has been specifically designed for all your fall protection needs. Built from the ground up giving you the best of the best in carabiner functionality, the FP features an easy opening Auto Locking gate. You don't have to sacrifice strength for weight when working at height all day long.</p> <p><b>BERRY COMPLIANT</b>  <b>COMPLIANT: NFPA 1983</b></p>		<b>Width:</b> ..... 2.91" (7.1 cm) <b>Length:</b> ..... 4.61" (11.7 cm) <b>Height:</b> ..... 0.80" (2 cm) <b>Weight:</b> ..... 8.9 oz (255 g) <b>Major Axis MBS:</b> ..... 45 kN (10116 lbf) <b>Minor Axis MBS:</b> ..... 16 kN (3600 lbf) <b>Gate Open MBS:</b> ..... 11 kN (2473 lbf) <b>Gate Opening:</b> .. 1.0" (25.4 mm)	<b>SM102100</b>
<b>SMC Kinetic Series</b> <b>Screw Lock</b> <p>The SMC Kinetic Series has been specifically designed to meet all your personal protection requirements. Built from the ground up this carabiner gives you the best of the best in carabiner functionality. The Kinetic Series features a key lock nose, 0.98" gate opening, and screw or Auto-Locking gates. Weighing in at 2.8 oz. (Screw Gate) and 3.2 oz. (Twist Gate) you don't have to sacrifice strength for weight when working at height all day long.</p> <p><b>BERRY COMPLIANT</b>  <b>COMPLIANT: NFPA 1983 (2017), T</b></p>	<ul style="list-style-type: none"> <li>• Lightweight</li> <li>• Single hand operation</li> <li>• Bright easy to see color</li> <li>• NFPA certified"</li> </ul>	<b>Color:</b> ..... Black, Blue, Orange <b>Width:</b> ..... 2.83" (7.2 cm) <b>Length:</b> ..... 4.57" (11.6 cm) <b>Weight:</b> ..... 2.8 oz (79 g) <b>Major Axis MBS:</b> ..... 28 kN (6294 lbf) <b>Minor Axis MBS:</b> ..... 9 kN (2023 lbf) <b>Gate Open MBS:</b> ..... 8 kN (1798 lbf) <b>Gate Opening:</b> .. 1.0" (25.4 mm)	<b>Screw Lock</b> Blue <b>SM103000N</b> Orange <b>SM103004N</b> Black <b>SM103007N</b>
			<b>Dual Lock</b> Blue <b>SM103100N</b> Orange <b>SM103104N</b> Black <b>SM103107N</b>
<b>SMC ANSI Safety Lock</b> <p>The SMC ANSI Safety Lock is manufactured using High Strength Zinc Plated Alloy Steel to maximize the strength to weight ratio and is ideal for any situation where security is critical. Locking the sleeve on the gate rather than the body of the carabiner provides greater overall strength and smooth action.</p> <p><b>BERRY COMPLIANT</b>  <b>COMPLIANT: ANSI Z359.12 (2009), NFPA 1983</b></p>		<b>Weight:</b> ..... 0.71 lbs <b>Width:</b> ..... 2.97" (7.5 cm) <b>Length:</b> ..... 5.04" (12.8 cm) <b>Weight:</b> ..... 11.5 oz (325 g) <b>Major Axis MBS:</b> ..... 46 kN (10341 lbf) <b>Minor Axis MBS:</b> ..... 16 kN (3600 lbf) <b>Gate Open MBS:</b> ..... 11 kN (2473 lbf) <b>Gate Opening:</b> .. 1.20" (30.5 mm)	<b>SM21501</b>



Content	Key Features	Technical Characteristics	SKU
<b>SMC Extra Large Steel</b> Offset "D" shape fits easily over a standard 1.25" ladder rung, making this carabiner an indispensable tool for the rescue professional. This product is more suited for extra wide clipping than for tight rigging.	<ul style="list-style-type: none"><li>• Stainless steel gate and sleeve</li><li>• Material Zinc Plated Steel</li><li>• Finish Zinc Plated"</li></ul>	<b>Width:</b> ..... 3.50" (8.9 cm) <b>Length:</b> ..... 5.70" (14.5 cm) <b>Weight:</b> ..... 12.2 oz (346 g) <b>Major Axis MBS:</b> ..... 54 kN (12139 lbf) <b>Minor Axis MBS:</b> ..... 13 kN (2922 lbf) <b>Gate Open MBS:</b> 14 kN (3147 lbf) <b>Gate Opening:</b> .. 1.45" (36.0 mm)	<b>SM20003N</b>
<b>BERRY COMPLIANT</b> <b>COMPLIANT: NFPA 1983 (2017), G</b>			
<b>SMC Crossover Screw Lock Carabiner, NFPA</b> These carabiners feature a new ergonomic single hand frame geometry allowing easy single hand operations. The CrossOvers have been specifically designed to meet all your work environment safety needs. Easy to use Dual or Triple Auto-Locking sleeves allow for single hand operations while working in mission critical environments. A traditional Screw-Lock version is also available.	<ul style="list-style-type: none"><li>• Choice of three gate options</li><li>• Lightweight design</li><li>• New frame and gate design</li><li>• Dual-Lock and Tri-Lock versions meet ANSI Z359.1</li></ul>	<b>Color:</b> ..... Black, Blue <b>Weight:</b> ..... 5.1 oz (145 g) <b>Width:</b> ..... 3.35" (8.5 cm) <b>Major Axis MBS:</b> ..... 40 kN (8992 lbf) <b>Minor Axis MBS:</b> ..... 16 kN (3600 lbf) <b>Gate Open MBS:</b> 18 kN (4046 lbf) <b>Gate Opening:</b> .. 1.00" (25.4 mm)	Screw-Link NFPA - Blue <b>SM205500N</b> NFPA - Black <b>SM205507N</b>
<b>BERRY COMPLIANT</b> <b>COMPLIANT: NFPA 1983 (2017), G</b>			
			<b>DUAL-LOCK</b> NFPA - Blue <b>SM205600N</b> NFPA - Black <b>SM205607N</b>
			
			<b>TRI-LOCK</b> NFPA - Blue <b>SM205700N</b> NFPA - Black <b>SM205707N</b>
			



Content	Key Features	Technical Characteristics	SKU
<b>SMC FORCE</b> A reforging of the strongest and best-selling carabiner designs in the world. The new Force series carabiners from SMC offer unparalleled strength to weight ratios thanks to the ISO Cold Forging process. This carabiner manufacturing technique, originally developed by Omega Pacific, produces exceptional strength and durability by pressing raw materials into the strongest possible designs while avoiding issues like internal fissures and deformations that can happen during other forging processes. Combined with the highest quality aluminum alloys, the result is a lightweight connector that is the strongest in its class. SMC continues to enhance this proven process by applying our unmatched design and manufacturing quality processes. Force Series D and the Oval carabiners have smooth, rounded inside diameters for great interface with ropes and webbing. Made in the USA	<ul style="list-style-type: none"> <li>Generous gate clearances with deep baskets provide effortless clipping</li> <li>ISO Cold-forged from aircraft-quality aluminum</li> <li>Low cost, high strength qualities perfect for recreational climbing, military, law enforcement, and OEM applications.</li> <li>Effortless and simple Screw-lock option provides added security against accidental opening</li> <li>Classic D shape carries loads toward stronger, non-gated side</li> <li>Hooded gates offer smooth rope-bearing surfaces</li> </ul>	<b>Oval</b> <b>Material:</b> ..... 7000 Series Aluminum <b>FINISH</b> <b>Anodized:</b> ..... 61002, 61005, 61015 <b>Burnished:</b> ..... 61006, 61016 <b>Dimensions:</b> ..... 4.2" x 2.2" <b>Gate opening:</b> ....59" .47" (Screw-lock) <b>Weight:</b> ..... 2.3oz (65g), 2.5oz (71g) (Screw-lock) <b>3 Sigma test:</b> .... Major axis 22 kN Minor axis 8kN Gate open 6kN	Blue <b>SM61002</b> Black <b>SM61005</b> Bright <b>SM61006</b> Bright w/ blue gate <b>SM61015</b> Bright, Screw-lock <b>SM61016</b> <div style="float: right;">NEW</div>
		<b>D</b> <b>Material:</b> ..... 7000 Series Aluminum <b>FINISH</b> <b>Anodized:</b> ..... 62005, 62007, 62012, 62015 <b>Burnished:</b> ..... 62006, 62016 <b>Dimensions:</b> ..... 4.2" x 2.15" <b>Gate opening:</b> ....78" .63" (Screw-lock) <b>Weight:</b> ..... 2.3oz (65g), 2.6oz (74g) (Screw-lock) <b>3 Sigma test:</b> .... Major axis 31 kN Minor axis 9kN Gate open 9kN	Black <b>SM62005</b> Bright <b>SM62006</b> Black, Screw-lock <b>SM62015</b> Bright, Screw-lock <b>SM62016</b> Matte Grey <b>SM62071</b> Field Green <b>SM62073</b>
			
			
			
		<b>TAC-D</b> <b>Material:</b> ..... 7000 Series Aluminum <b>FINISH:</b> ..... Anodized <b>Dimensions:</b> ..... 4.2" x 2.15" <b>Gate opening:</b> ....78" .63" (Screw-lock) <b>Weight:</b> ..... 2.3oz (65g), 2.6oz (74g) (Screw-lock) <b>3 Sigma test:</b> .... Major axis 31 kN Minor axis- 9kN Gate open 9kN	Matte Black <b>SM62075</b> Field Green, Screw-lock <b>SM62083</b> Matte Black, Screw-lock <b>SM62085</b>
			
			



Content	Key Features	Technical Characteristics	SKU
<b>SMC Jake</b> The Force series Jake HMS Carabiner makes a superb belay/rappel carabiner because of its broad (and rounded) rope bearing surface. This friction interface makes both rappelling and lowering exceptionally smooth and predictable. The Jake is equipped with a side-swing gate that provides sizable clearance and ease of use; this combined with the spacious basket make it ideal as a master-point carabiner. The Keylock design prevents snagging on ropes, webbing, and hardware. Available in Screw-lock and Twist-lock versions. Made in the USA	<b>Screw-lock</b> <ul style="list-style-type: none"><li>Screw-lock offers ease of use when used as a master point anchor.</li><li>Side-swing gate with an expansive 1.18" (28 mm) gate opening</li><li>ISO Cold forged to create optimal rope interface</li><li>Keylock gate design to prevent snagging on slings and hardware.</li><li>The Screw-lock sleeve locks onto the gate (not the frame) resulting in greater reliability and less jamming.</li><li>Grey with Blue Locking mechanism</li></ul>	<b>Force Jake Screw-lock</b> <b>Material:</b> ..... 7000 Series Aluminum <b>FINISH:</b> ..... Anodized <b>Dimensions:</b> .... 4.5" x 3.15" <b>Gate opening:</b> ... 1.18" (28 mm) <b>Weight:</b> ..... 3.39oz (96 g) <b>3 Sigma test:</b> .... Major axis 23 kN Minor axis 10kN Gate open – 7kN	<b>SM63011</b> <b>SM11803</b> <b>SM11804</b>
 A stainless steel screw-lock carabiner with a blue anodized aluminum gate. The gate is a side-swing design with a wide opening. The body is polished and has the 'FORCE' logo embossed on the bottom. The screw-lock sleeve is visible at the top of the gate.	<b>Twist-Lock</b> <ul style="list-style-type: none"><li>Twist-Lock (two stage auto locking mechanism)</li><li>Designed for ease of use with belay/rappel devices</li><li>ISO Cold forged to create optimal rope interface</li><li>Side-swing gate with an expansive 02" (26 mm) gate opening</li><li>Keylock gate design to prevent snagging on slings and hardware.</li><li>Grey with Blue Locking mechanism</li></ul>	<b>Force Jake Twist-lock</b> <b>Material:</b> ..... 7000 Series Aluminum <b>FINISH:</b> ..... Anodized <b>Dimensions:</b> .... 4.5" x 3.15" <b>Gate opening:</b> ... 1" (26 mm) <b>Weight:</b> ..... 3.7oz (105g) <b>3 Sigma test:</b> .... Major axis 23 kN Minor axis 10kN Gate open 7kN	<b>SM63021</b>



Content	Key Features	Technical Characteristics	SKU
<b>Screw Link</b> Screw links stand up to multi-directional forces better than carabiners and allow ample room for multiple pieces of gear to be attached. Ideal harness attachment in ascending systems or for joining anchor straps. The original oval shape was developed on the principle of a chain link fitted with manual nut opening. Made in France by Maillon Rapide.		<b>Oval Screw Link, Galvanized Steel</b> <b>Height:</b> ..... 0.16 inches (4.0 mm) <b>Width:</b> ..... 0.92 inches (2.3 cm) <b>Length:</b> ..... 2.09 inches (5.3 cm) <b>Gate opening:</b> ... 29/64 inches (11.4 mm) <b>MBS:</b> ..... 7.9 kN (1765 lbf) <b>Weight:</b> ..... 0.5 ounces (15 g)	<b>4 mm</b> Galvanized steel <b>HD26231</b>
<i>Note: Links are stamped with a Working Load Limit (WLL) that is about 1/5 of its rated breaking strength.</i>			<b>5 mm</b> Galvanized steel <b>HD26134</b>
<b>COMPLIANT:</b> EN 12275, EN 362, UIAA, CE			<b>7 m</b> Galvanized steel <b>HD26045</b>
			<b>10 mm</b> Galvanized steel <b>HD26022</b>
			
		<b>Half Moon Screw Link, Galvanized Steel</b> <b>Height:</b> ..... 0.44" (10.0 mm) <b>Width:</b> ..... 2.75" (7.0 cm) <b>Length:</b> ..... 3.39" (8.6 cm) <b>Gate Opening:</b> .. 13/32" (10.0 mm) <b>MBS:</b> ..... 44 kN (9920 lbf) <b>Weight:</b> ..... 5.0 oz (153 g) <b>Major axis:</b> ..... 44 kN (9920 lbf)	<b>10 mm</b> <b>HD26061</b>
			
		<b>Delta Screw Link</b> <b>Height:</b> ..... 0.44" (10.0 mm) <b>Width:</b> ..... 2.61" (6.6 cm) <b>Gate Opening:</b> .. 15/32" (12.0 mm) <b>Length:</b> ..... 3.42" (8.7 cm) <b>MBS:</b> ..... 17 kN (3860 lbf) <b>Weight:</b> ..... 2.0 oz (55 g) <b>WLL:</b> ..... 3 kN (770 lbf) <b>Major axis:</b> ..... 17 kN (3860 lbf)	<b>10 mm</b> Aluminum <b>HD26023</b> Galvanized steel <b>HD26044</b>
			<b>7 mm</b> Galvanized steel <b>HD26079</b>
			
		<b>Pear Screw Link</b> <b>Weight:</b> ..... 0.407 lbs	<b>10 mm</b> <b>HD26198</b>
			



Content	Key Features	Technical Characteristics	SKU
<b>SMC Kootenay Hx Knot Passing Pulley</b> <p>The Kootenay HX from SMC is the most advanced Knot Passing Pulley on the market. This is an entirely new and more compact design and lives up to its "HX" (High Strength) name as the lightest, strongest, most efficient, and durable pulley of its kind available. Sealed ball bearings provide optimal efficiency and help to reduce the performance-robbing resistance that is inherent in most multiple component systems. Adding to its versatility, the Kootenay HX may also serve as an edge roller for rope protection.</p> <p><b>BERRY COMPLIANT</b></p> <p><b>COMPLIANT: NFPA 1983 (2017), G</b></p>	<ul style="list-style-type: none"> <li>Sealed Ball bearings</li> <li>High-strength aluminum sheave</li> <li>Primary carabiner hole accepts numerous rescue carabiners</li> <li>Secondary carabiner holes for use with tag or belay lines</li> <li>Solid aluminum side plates</li> <li>Two quick-release pins included for conversion to a highstrength tie off</li> <li>For use with 10 mm to 13 mm rope</li> </ul>	<b>Weight:</b> ..... 26.4 oz <b>Color:</b> ..... Gold <b>Height:</b> ..... 3.40" (8.6 cm) <b>Width:</b> ..... 4.34" (11.0 cm) <b>Length:</b> ..... 8.67" (21.6 cm) <b>MBS:</b> ..... 38 kN (8542 lbf) <b>Weight:</b> ..... 1.65 lbs (750 g) <b>Sheave:</b> ..... 3.46" <b>Max Rope Size:</b> 13 mm <b>Axle Ball Bearing</b> <b>Sheave Material:</b> Aluminum <b>Tread:</b> ..... 2.22"	<b>SM125500N</b>
			
<b>SMC/RA Aluminum Pulley</b> <p>SMC revives their original 2" Aluminum sideplate pulley. Sealed ball bearing, 1 1/2" sheave tread diameter, 2" sheave, 1/2" rope max.</p> <p><b>COMPLIANT: NFPA 1983 (2017), T</b></p>		<b>Color:</b> ..... Green <b>Height:</b> ..... 1.34" (3.4 cm) <b>Width:</b> ..... 2.50" (6.4 cm) <b>Length:</b> ..... 4.60" (11.7 cm) <b>MBS:</b> ..... 27 kN (6070 lbf) <b>Weight:</b> ..... 6.3 oz (179 g) <b>Material:</b> ..... Aluminum <b>Axle Ball Bearing</b> <b>Sheave Material:</b> Aluminum <b>Sheave:</b> ..... 2.00" <b>Tread:</b> ..... 1.49" <b>Max Rope Size:</b> 13 mm	<b>SM130500</b>
			
<b>SMC Swiftwater Pulley</b> <p>In recognition of the unique requirements found in Swift Water Rescue, this aluminum pulley features a series of holes in the side plates to help to minimize any hydroplaning.</p> <p><b>BERRY COMPLIANT</b></p> <p><b>COMPLIANT: CE EN 12278, UIAA 127</b></p>	<ul style="list-style-type: none"> <li>Lightweight aluminum</li> <li>2" Aluminum sheave</li> <li>Sealed bearings</li> <li>Accepts ropes up to 1/2"</li> </ul>	<b>Height:</b> ..... 1.37" (3.5 cm) <b>Width:</b> ..... 3.00" (7.6 cm) <b>Length:</b> ..... 4.00" (10.2 cm) <b>Weight:</b> ..... 6.0 oz (170 g) <b>MBS:</b> ..... 34 kN (7786 lbf) <b>Material:</b> ..... Aluminum <b>Axle Ball Bearing</b> <b>Sheave Material:</b> Aluminum <b>Sheave:</b> ..... 2.00" <b>Max Rope Size:</b> 13 mm	<b>SM147000</b>
			



Content	Key Features	Technical Characteristics	SKU
<b>SMC/RA Stainless Steel Pulleys</b> Based on Russ Anderson's original design, these pulleys are essential equipment for the serious rigger. Rotating side plates allow attachment of the pulley anywhere on the rope and the 3" and 4" models will accept multiple carabiners. Axle nuts are marked with a blue witness line to indicate if the axle nut has been turned or tampered with.	<ul style="list-style-type: none"> <li>Stainless steel side plates</li> </ul>	<b>SINGLE PULLEY</b> <b>2" NFPA-L</b> <b>MBS:</b> ..... 29 kN (6519 lbf) <b>Height:</b> ..... 1.40" (3.6 cm) <b>Length:</b> ..... 4.60" (11.7 cm) <b>Width:</b> ..... 2.50" (6.4 cm) <b>Weight:</b> ..... 8.6 oz (244 g) <b>Tread:</b> ..... 1.49"	Oilite <b>SM150000</b> Ball <b>SM150500</b>
<b>BERRY COMPLIANT</b> <b>COMPLIANT: NFPA 1983 (2017), T</b>		<b>3" NFPA-G</b> <b>MBS:</b> ..... 51 kN (11465 lbf) <b>Height:</b> ..... 1.50" (3.8 cm) <b>Length:</b> ..... 6.6" (16.8 cm) <b>Width:</b> ..... 3.6" (9.1 cm) <b>Weight:</b> ..... 1.0 oz (454 g) <b>Tread:</b> ..... 2.34"	Oilite <b>SM151000</b>
		<b>4" NFPA-G</b> <b>MBS:</b> ..... 51 kN (11465 lbf) <b>Height:</b> ..... 1.50" (3.8 cm) <b>Length:</b> ..... 7.7" (19.6 cm) <b>Width:</b> ..... 4.6" (11.7 cm) <b>Weight:</b> ..... 1.44 oz (652 g) <b>Tread:</b> ..... 3.33"	Oilite <b>SM152000</b> Ball <b>SM152500</b>
		<b>DOUBLE PULLEY</b>	
		<b>2" NFPA-T</b> <b>Height:</b> ..... 2.0" (5.1 cm) <b>Length:</b> ..... 6.6" (16.8 cm) <b>MBS:</b> ..... 41 kN (9217 lbf) <b>Tread:</b> ..... 1.49"	Oilite <b>SM155000</b>
		<b>3" NFPA-G</b> <b>Width:</b> ..... 2.5" (6.4 cm) <b>Weight:</b> ..... 1.01 oz (460 g) <b>Weight:</b> ..... 1.06 oz (482 g)	Ball <b>SM155500N</b>
		<b>4" NFPA-G</b> <b>MBS:</b> ..... 63 kN (14163 lbf) <b>Height:</b> ..... 2.40" (6.1 cm) <b>Length:</b> ..... 9.9" (25.1 cm) <b>Width:</b> ..... 4.60" (11.7 cm) <b>Weight:</b> ..... 2.52 oz (1.142 kg) <b>Tread:</b> ..... 3.33"	Oilite <b>SM157000N</b> Ball Bearing <b>SM157500N</b>
<b>SMC 2" Single Prusik Minding Pulley</b> This mid-sized PMP is the perfect choice for rigging with 11 mm (7/16") rope or when you don't have room for a 3" PMP. Pulley will accommodate up to 13 mm rope.	<ul style="list-style-type: none"> <li>Precision machined aluminum side plates and 2" sheaves</li> <li>Sealed Bearings</li> <li>Double pulleys include a becket</li> </ul>	<b>Single Pulley</b> <b>Sheave:</b> ..... 2.00" <b>Tread:</b> ..... 1.49" <b>Weight:</b> ..... 6.3 oz (179 g) <b>MBS:</b> ..... 36 kN (8093 lbf) <b>Height:</b> ..... 1.37" (3.5 cm) <b>Width:</b> ..... 2.90" (7.4 cm) <b>Length:</b> ..... 3.97" (10.1 cm)	Green/Black <b>SM152700N</b> Black <b>SM152701N</b> 
<b>BERRY COMPLIANT</b> <b>COMPLIANT: NFPA 1983 (2012)</b>		<b>Double Pulley</b> <b>Sheave:</b> ..... 2.00" <b>Tread:</b> ..... 1.49" <b>Weight:</b> ..... 10.4 oz (295 g) <b>MBS:</b> ..... 46 kN (10341 lbf) <b>Height:</b> ..... 2.20" (5.6 cm) <b>Width:</b> ..... 2.90" (7.4 cm) <b>Length:</b> ..... 5.10" (13.0 cm)	Green/Gray <b>SM152800N</b> Black <b>SM152801N</b> 



Content	Key Features	Technical Characteristics	SKU
<b>SMC 3" Prusik Minding Pulley</b> The unique shape of SMC's aluminum side plates allow the efficient use of Prusik hitches as a belay or progress capture device. Constructed with a 3" diameter sheave running on a high efficiency ball bearing. Low profile fasteners help eliminate the possibility of the pulley snagging. Pulley will accommodate up to 13 mm rope. <b>BERRY COMPLIANT</b> <b>COMPLIANT: NFPA 1983 (2012)</b>	<ul style="list-style-type: none"> <li>• Ball bearing</li> <li>• Large top hole easily accepts 3 large carabiners</li> <li>• Designed for 11 mm to 13 mm ropes</li> <li>• Precision machined aluminum side plates and 3" sheaves</li> <li>• Sealed bearings</li> <li>• Double pulleys include a becket</li> </ul>	<b>Single Pulley</b> <b>Tread:</b> ..... 2.46" <b>Sheave:</b> ..... 2.97" <b>Weight:</b> ..... 12.5 oz (354 g) <b>MBS:</b> ..... 38 kN (8542 lbf) <b>Height:</b> ..... 1.38" (3.5 cm) <b>Width:</b> ..... 4.17" (10.6 cm) <b>Length:</b> ..... 5.85" (14.9 cm)	Red SM15800N 
<b>SMC 3/8" Micro Prusik Minding Pulley</b> Just the thing for smaller ropes and lighter loads, SMC's Micro PMP's are ideal for building a mini haul rig or anywhere that a compact lightweight system is needed. Double version is designed with a becket to accommodate compound and complex pulley systems. Max rope diameter 13 mm. <b>BERRY COMPLIANT</b> <b>COMPLIANT: NFPA 1983 (2012), T</b>	<ul style="list-style-type: none"> <li>• Precision machined aluminum side plates and 1.38" sheaves</li> <li>• Sealed Ball Bearings</li> <li>• Double pulleys include a becket"</li> </ul>	<b>Single Pulley</b> <b>Sheave:</b> ..... 1.37" <b>Tread:</b> ..... 1.0" <b>MBS:</b> ..... 22 kN (5000 lbf) <b>Weight:</b> ..... 3.5 oz (99 g) <b>Height:</b> ..... 1.12" (2.8 cm) <b>Width:</b> ..... 2.55" (6.5 cm) <b>Length:</b> ..... 3.75" (9.5 cm)	Red SM15300N Black SM153001N 
<b>SMC Advance Tech Mate</b> The new SMC Advance Tech Mate is a double pulley specifically designed to work with the new Advance Tech HX Pulley in a mini haul system. This new pulley frame design is ideal for using in a compact haul kit. Integrated stainless steel pins help retain the rope when a rigged system is pre-packed in order that the system can be pulled out and used immediately. <b>BERRY COMPLIANT</b> <b>COMPLIANT: NFPA 1983 (2017), T</b>	<ul style="list-style-type: none"> <li>• Made from high quality aluminum</li> <li>• Anodized to help prevent corrosion</li> <li>• Supports rope diameters from 7 mm up to 12.5 mm</li> <li>• Stainless steel retaining pins</li> <li>• NFPA 1983 T Technical Use</li> </ul>	<b>Double Pulley</b> <b>Sheave:</b> ..... 1.37" <b>Tread:</b> ..... 1.0" <b>MBS:</b> ..... 40 kN (8992 lbf) <b>Weight:</b> ..... 5.8 oz (164 g) <b>Height:</b> ..... 1.81" (4.6 cm) <b>Width:</b> ..... 2.55" (6.5 cm) <b>Length:</b> ..... 4.65" (11.8 cm)	Gold SM15400N Black SM154001N 
<b>SMC Advance Tech Mate</b> The new SMC Advance Tech Mate is a double pulley specifically designed to work with the new Advance Tech HX Pulley in a mini haul system. This new pulley frame design is ideal for using in a compact haul kit. Integrated stainless steel pins help retain the rope when a rigged system is pre-packed in order that the system can be pulled out and used immediately. <b>BERRY COMPLIANT</b> <b>COMPLIANT: NFPA 1983 (2017), T</b>	<ul style="list-style-type: none"> <li>• Made from high quality aluminum</li> <li>• Anodized to help prevent corrosion</li> <li>• Supports rope diameters from 7 mm up to 12.5 mm</li> <li>• Stainless steel retaining pins</li> <li>• NFPA 1983 T Technical Use</li> </ul>	<b>Height:</b> ..... 1.81" (4.6 cm) <b>Width:</b> ..... 2.40" (6.1 cm) <b>Length:</b> ..... 2.97" (7.5 cm) <b>Weight:</b> ..... 5.4 oz (154 g) <b>MBS:</b> ..... 34 kN (7644 lbf) <b>Tread:</b> ..... 1.00" <b>Sheave:</b> ..... 1.37" Aluminum	SM154801N 



Content	Key Features	Technical Characteristics	SKU
<b>SMC Advance Tech Hx Pulley</b> The new Advance Tech HX is ideal for all rescue applications where a small mechanical advantage system is being used. The HX is a double pulley with an integrated cam that provides immediate progress capture.  <span style="background-color: #e0e0e0; padding: 2px;">BERRY COMPLIANT</span> <span style="background-color: #e0e0e0; padding: 2px;">COMPLIANT: NFPA 1983 (2017), T</span>	<ul style="list-style-type: none"> <li>Made from high quality aluminum</li> <li>Anodized to help prevent corrosion</li> <li>Supports rope diameters from 7 mm up to 12.5 mm</li> <li>Stainless steel pins retain the rope when a rigged system is pre-packed</li> </ul>	<b>Color:</b> ..... Orange/Grey <b>Height:</b> ..... 1.97" (5.0 cm) <b>Width:</b> ..... 2.74" (6.9 cm) <b>Length:</b> ..... 5.08" (12.9 cm) <b>Weight:</b> ..... 9.5 oz (270 g) <b>MBS:</b> ..... 34 kN (7644 lbf) <b>Tread:</b> ..... 1.00" <b>Sheave:</b> ..... 1.37" <b>Aluminum Becket</b> <b>Strength:</b> ..... 18 kN	<b>SM154900N</b>  
<b>SMC Shuttle Tandem Rope Pulley</b> One of the lightest, fastest, and most versatile shuttles available for ropes course and adventure park use, this sealed ball-bearing shuttle is available with stainless steel sheaves for use with cable, or aluminum sheaves for use with rope-based systems.  <span style="background-color: #e0e0e0; padding: 2px;">BERRY COMPLIANT</span>	<ul style="list-style-type: none"> <li>Four Independent Sealed Ball Bearings</li> <li>Aluminum 1 3/8" Sheaves</li> <li>Multiple Attach Points</li> <li>Lightweight Design</li> <li>Fits up to 13 mm Rope</li> </ul>	<b>Color:</b> ..... Blue <b>Tread:</b> ..... 1.0" <b>Height:</b> ..... 4.25" (10.8 cm) <b>Width:</b> ..... 1.07" (2.7 cm) <b>Length:</b> ..... 3.21" (8.2 cm) <b>MBS:</b> ..... 26 kN (5845 lbf) <b>Sheave:</b> ..... 1.32" <b>Weight:</b> ..... 8.0 oz (227 g)	<b>SM156302</b>  
<b>SMC Shuttle Cable Xtreme</b> The SMC Shuttle Cable Xtreme is ideal for high-use environments where users push their gear to the limit. It is designed for extreme or continuous service in permanently rigged challenge courses, commercial zip lines, and for eco-tourism applications. Designed for the commercial operator, the ball bearings may be replaced to extend the overall useful life of the pulley. This pulley is designed to be used with cable.	<ul style="list-style-type: none"> <li>Twin Independent Sealed Ball Bearings</li> <li>Zinc Plated Stainless 1 3/8" Sheave</li> <li>Multiple Attach Points</li> <li>Fits up to 13 mm Cable</li> <li>Field Rebuildable using the Xtreme Service Kit</li> </ul>	<b>Color:</b> ..... Green <b>Tread:</b> ..... 1.0" <b>Height:</b> ..... 4.25" (10.8 cm) <b>Width:</b> ..... 1.07" (2.7 cm) <b>Length:</b> ..... 3.21" (8.2 cm) <b>MBS:</b> ..... 26 kN (5845 lbf) <b>Weight:</b> ..... 7.6 oz (215 g) <b>Stainless</b> <b>Sheave:</b> ..... 1.37 <b>Sheave:</b> ..... 1.32"	Green <b>SM156304</b> Rebuild Pack <b>SM156308</b> Service Kit <b>SM156309</b>  
<b>SMC CRX Pulley</b> The new SMC CRX (Crevasse Rescue) Pulley is a full featured pulley specifically designed to be diminutive in size and weight, yet extremely strong and efficient. This new pulley is ideal for use in a 2-to-1 C-system or as a 3-to-1 Z-system and includes prusik minding capability. Ideal for rescue use by those who demand the lightest, strongest pulley available. Easy to use and easy to carry, this pulley also has color-contrasting aluminum rotating side plates for simple rope insertion and removal.  <span style="background-color: #e0e0e0; padding: 2px;">BERRY COMPLIANT</span> <span style="background-color: #e0e0e0; padding: 2px;">COMPLIANT: CE EN 12278, UIAA 127</span>	<ul style="list-style-type: none"> <li>Made from high quality aluminum</li> <li>Anodized side plates help prevent corrosion</li> <li>Supports rope diameters up to ½ inch (13 mm)</li> <li>Stainless steel rivet axle</li> <li>Nylon sheave"</li> </ul>	<b>Color:</b> ..... Blue, Orange <b>Tread:</b> ..... 0.83" <b>Height:</b> ..... 1.07" (2.7 cm) <b>Width:</b> ..... 1.75" (4.4 cm) <b>Sheave:</b> ..... 1.20" <b>Length:</b> ..... 2.70" (6.9 cm) <b>Weight:</b> ..... 1.8 oz (52 g) <b>MBS:</b> ..... 22 kN (5000 lbf)	Blue <b>SM157300</b> Orange <b>SM157303</b>  



Content	Key Features	Technical Characteristics	SKU
<b>SMC JRB Double Pulley</b> These SMC Pulleys are the mini of minis. Efficient and lightweight, its solid strength and efficiency tests to greater strengths than other pulleys in the same size and price range. It has the required prusik minding capability for use in a haul system (JRB Pulleys are now incorporated in our 4:1 Kit). A 1.20" nylon sheave and zinc-coated axle make any system run smooth. Simple to use and easy to carry into the field. Max Rope diameter for the CR is 13 mm. Max rope diameter for the JR and JRB is 9 mm. The CR pulley is a single pulley, while the JR and JRB pulleys are double pulleys. <b>BERRY COMPLIANT</b> <b>COMPLIANT: CE EN 12278, UIAA 127</b>	<ul style="list-style-type: none"> <li>Nylon sheave</li> <li>Precision machined aluminum side plates</li> <li>Zinc coated axle</li> <li>Rotating side plates</li> <li>JRB becket MBS: 2,298 lbf (13 kN)</li> </ul>	<b>with Becket</b> Color: ..... Black, Blue Tread: ..... 0.83" Weight: ..... 3.3 oz (94 g) MBS: ..... 22 kN (5000 lbf) Sheave: ..... 1.20" Height: ..... 1.56" (4.0 cm) Length: ..... 3.57" (9.1 cm) Width: ..... 1.75" (4.4 cm)	Blue SM159200 Black SM159201 
<b>SMC Tr Pulley</b> The TR Pulley is strong, reliable compact, and lightweight. It is reasonably priced but doesn't sacrifice efficiency. Great performance for its size and cost. The TR Pulley has a true Oilite Bearing on a zinc coated axle for reliable performance. <b>BERRY COMPLIANT</b>	<ul style="list-style-type: none"> <li>Lightweight aluminum</li> <li>1.20" Aluminum sheave</li> <li>Oilite bearings</li> <li>Accepts ropes up to 1/2"</li> </ul>	Color: ..... Green/Gray Tread: ..... 0.83" Height: ..... 1.07" (2.7 cm) Width: ..... 1.75" (4.4 cm) Length: ..... 3.0" (7.6 cm) MBS: ..... 26 kN (5845 lbf) Weight: ..... 2.3 oz (66 g) Sheave: ..... 1.20"	Blue SM159300 Black SM159301 
<b>Climbing Technology Rolllock</b> Ultra-light pulley / rope clamp (only 80 g!) designed for work, rope climbing maneuvers, rescue and self-rescue situations. <b>COMPLIANT: EN 12278, EN 567, UIAA 127, CE</b>	<ul style="list-style-type: none"> <li>Mobile side plates for the rope or on sling placement</li> <li>Spring operated cam for use as a rope ascender</li> <li>Sliding lock for use as a pulley</li> <li>Deal for the crevasse rescue</li> <li>It allows the hauling of light loads</li> <li>Developed to work also on wet or dirty ropes</li> <li>It can be used to adjust the positioning on webbing or daisy chain</li> </ul>	MBS: ..... 20 kN (4496 lbf) Weight: ..... 2.8 oz (80 g) <b>Sizing Info:</b> ..... 8–13 mm rope / 10–16 mm webbing	SM159500 
<b>Climbing Technology UP LOCK Compact Double Pulley</b> Double pulley with locking cam, designed for use as a ratchet pulley in a lightweight haul system with the UP ROLL pulley.	<ul style="list-style-type: none"> <li>Anodized light alloy side plates</li> <li>Cast stainless steel cam</li> <li>Alloy pulleys with ball bearings</li> <li>Freelock system allows onehanded cam action</li> </ul>	Weight: ..... 0.4 lbs	HD26250 
			HD26279 



## TerrAdaptor™ Winch System

The new SMC TerrAdaptor™ Capstan Winch System mounts on any grey leg tube section in any position on the TerrAdaptor™ multi pod. A stainless steel rope guide ensures that the rope enters the capstan at the correct angle for the greatest grip. Clip points on the front and rear of the bracket can be used for progress capture devices such as a rope grab or a prussik.

### Key Features:

- Made from anodized aluminum
- Includes a Harken 40.2ST two speed, self-trailing capstan winch
- Stainless steel rope guide
- Designed to work with progress capture devices
- Engineered TerrAdaptor™ winch bracket

**Weight:**..... 8.9 lbs

**Height:**..... 5.40" (13.7 cm)

**Width:**..... 5.90" (15.0 cm)

**Length:**..... 11.25" (28.6 cm)

**Weight:**..... 8.55 lbs (3.878 kg)

**SM230552**



## Harken® Rigger's Winch 500

The Harken® Riggers Winch provides the user with a lightweight, CE certified, portable winch mounted to a robust adaptor plate. The Harken® Riggers Winch weighs 15.40 lbs (7.000 kg) with a 1/2 ton working load limit, the 2 speed winch magnifies the operator pulling power by up to 40 times. The multiple mounting options provide versatility when working in difficult or remote environments.

**COMPLIANT: EN 13157, CE**

- Sculpted mounting plate removes excess weight and provides multiple attachment points without compromising strength
- The pigtail line lead ensures correct alignment and loading of the winch for maximum efficiency
- CE certified under EN 13157
- Harken's aluminum 40.2 winch features 17-4 PH stainless steel load carrying gears and pins for strength and durability
- The unique drum design maximizes grip on the rope. Designed for ropes up to 1/2" diameter
- Max working load of 4.9 kN and a breaking load of 24.5 kN

**Weight:**..... 15 lbs

**MBS:**..... 24.5 kN (5508 lbf)

### Working

**Load Limit:** ..... 4.9 kN (1102 lbf)

**Weight:**..... 15.4 lbs (7.000 kg)

**Length:**..... 11.40" (29.0 cm)

**Width:**..... 11.40" (29.0 cm)

**HD26263**



## Harken® Lokhead Winch

This man-riding portable capstan winch is designed for confined space retrieval or for use with davit systems using an unlimited length of fibrous rope. The captive head allows the winch to be used safely, and keeps the rope from accidentally releasing. The LokHead can be used anywhere a load needs to be lifted and lowered. Rigged to a tripod, it can be used for confined-space rescue, for load moving/hauling, and man-riding. The Harken® LokHead Winch weighs 9.30 lbs (4.200 kg) and offers a 40:1 power ratio with 2 gears. The LokHead winch kit comes with winch, mounting plate, 10" winch handle, control lever, tripod adapter, anchor strop, connectors and a heavy duty carry case providing you with everything you need for a tripod set up.

### Key Features:

- Encapsulating jaw cover protects fingers and clothing from catching in the winch
- Lightweight, weighing just 9.30 lbs (4.200 kg)
- Can be incorporated into tripod design without significantly increasing the overall weight
- Designed to work with rope 10–12.7 mm
- Certified to EN13157:2009 (Machinery Directive harmonized standard) for lifting goods and equipment, as well as EN1496:2007 as a rescue lifting device.

**Max Rope Size:** 12.7 mm

**MBS:** ..... 24.5 kN (5508 lbf)

### Working

**Load Limit:** ..... 4.9 kN (1102 lbf)

**Weight:**..... 9.30 lbs (4.200 kg)  
winch only

**HD26265**



## MSE Personnel Winch

**NEW**

Personnel Winch is designed to be used as a primary work line for lowering and raising of personnel in confined space or as a retrieval device should an emergency occur. Designed with a 30:1 mechanical advantage, allowing for easy retrieval capabilities.

### Key Features:

- Brake in case of freewheeling effect
- Friction brake system that engages during raising or lowering operations and allows to hold load in place.

**50 ft**

**HD26026**

**65 ft**

**Weight:**..... 55 lbs

**HD26009**

**100 ft**

**Weight:**..... 41.9 lbs

**HD26008**





## Climbing Technology Quick Roll

New ergonomic handle ascender, for greater efficiency when pulling. Cam opening lever usable with one hand Steel cam, resists wear and tear.

### Key Features:

- New over-molded, ergonomic handle ascender, designed for greater efficiency when pulling and increased resistance to wear and tear
- Cam opening lever usable with one hand; patented system for unlocking the cam, with just one downwards movement necessary
- Steel cam, manufactured with technology that implements the resistance to wear and tear. Equipped with a set of teeth that protects the wear of the rope, but it is equally effective in blocking and ascending the rope. It also has three slots to prevent the accumulation of mud and reduce the effort needed to slide the device up the rope under any condition (muddy rope, frozen etc.)
- Two attachment holes for various possible uses, anti-inversion cam system, secondary hole for connecting a quick link for an etrier
- Working load increased to 140 kg

**Weight:**..... 0.75 lbs

### Left/Right Orientation

Left, Right

Left **HD26280**

Right **HD26281**



## Climbing Technology Quick'Up Ascender

Left or right-hand light alloy ascender handle with ergonomic rubber grip for climbing ropes.

**COMPLIANT:** EN 12841-B, EN 567, UIAA, CE

### Key Features:

- Ergonomic grip with finger support
- Patented, one-handed cam release mechanism
- Durable steel cam with effective, non-destructive teeth
- Holes in frame accommodate multiple attachments, antiinversion system

### Left/Right Orientation

Left, Right

**Weight:**..... 7.6 oz (215 g)

**Sizing Info:** ..... 8 mm – 13 mm rope

Right **HD26255**

Left **HD26256**





## Climbing Technology Quick Step-A Ascender

Ascender for the right or left foot, when used in conjunction with an ascender handle (e.g. QUICK'UP) or a chest ascender (e.g. CHEST ASCENDER EVO), makes it easier and speeds up the ascent of a rope.

### Key Features:

- Fully adjustable boot harness
- Reinforced foot-strap
- Easy-to-operate, integrated camlever
- Secure insertion mechanism prevents accidental opening

### LEFT/RIGHT ORIENTATION

Left: ..... Grey

Right: ..... Orange

**Weight:** ..... 5.8 oz (165 g)

**Sizing Info:** ..... 8–13 mm rope

Left-Grey HD26266

Right Orange HD26267



## Climbing Technology Chest Ascender EVO

Light alloy right-hand chest ascender for climbing up ropes, to use together with the ascender handle QUICK UP.

**COMPLIANT:** EN 12841-B, EN 567, UIAA, CE

### Key Features:

- External profile for the opening lever, which makes climbing up the rope smoother and more effective
- Shape for the hole in the opening lever, to facilitate use even when wearing gloves
- Lower hole design, so that the device always stays parallel to the user
- Patented system for unlocking the cam, with just one downwards movement necessary
- Anti-inversion cam system
- New steel cam, manufactured with technology that implements the resistance to wear and tear. Equipped with a set of teeth that protects the wear of the rope, but it is equally effective in blocking and ascending the rope. It also has three slots to prevent the accumulation of mud and reduce the effort needed to slide the device up the rope under any condition (muddy rope, frozen etc.)

**Max Rope Size:** 13 mm

**Sizing Info:** ..... 8–13 mm rope

**Weight:** ..... 5.0 oz (140 g)

HD26253



## Climbing Technology Simple Ascender

Multi-use light-alloy right-hand rope ascender for climbing ropes or as a clamp for hauling/rescue.

**COMPLIANT:** EN 12841-B, EN 567, UIAA, CE

### Key Features:

- Cam opening lever usable with one hand
- Patented, one-handed cam release mechanism
- Durable steel cam with effective, non-destructive teeth
- Two attachment holes for various possible uses, antiinversion cam system
- New steel cam, manufactured with technology that implements the resistance to wear and tear. Equipped with a set of teeth that protects the wear of the rope, but it is equally effective in blocking and ascending the rope. It also has three slots to prevent the accumulation of mud and reduce the effort needed to slide the device up the rope under any condition (muddy rope, frozen etc.)

**Weight:** ..... 5.3 oz (150 g)

**Sizing Info:** ..... 8 mm – 13 mm rope

HD26254





## SMC-PMI Grip

This rope grab is a solid, compact performer that can be used as a ratchet or to grip a kernmantle rope whenever reliability and care are priorities. The compact curved body is easy to grip, and the secure, user friendly release mechanism makes putting this rope grab onto any rope - loaded or unloaded – a breeze. A specially designed cam protects your rope in the event of unexpected loading, but this unit is not designed as a belay or fall protection device.

**COMPLIANT: NFPA 1983 (2017), T**

### Key Features:

- Ropes up to 13 mm
- Anodized aluminum
- Compact

**Height:** ..... 2.90" (7.4 cm)

**Width:** ..... 1.85" (4.7 cm)

**Length:** ..... 3.87" (9.8 cm)

**Weight:** ..... 6.7 oz (190 g)

**MBS:** ..... 5 kN (1124 lbf)

**HD220500N**



## MIO Rope Grab

This highly effective self-trailing rope grab grips automatically in the event of a fall and dissipates the energy of the fall by slipping along the rope. When used within OSHA guidelines on approved ropes, the amount of slip is well within the OSHA requirements. Comes with lanyard and ANSI Snap Hook.

**COMPLIANT: ANSI Z359.1 (2007), EN 12278:2007, EN 12841:2006-A/B, EN 353-2:2002, EN 567:1997**

### Key Features:

- Meets ANSI requirements
- Used for fall arrest
- Approved and tested with PMI® Classic Static
- Removable dual action pin for easy placement on rope
- Stainless steel
- Self-trailing

**Weight:** 2.35 lbs

**Rope Diameter** 11 mm (7/16"), 12.5 mm (1/2"), 16 mm (5/8")

**Height:** ..... 2.75" (7.0 cm)

**Width:** ..... 5.25" (13.3 cm)

**Length:** ..... 4.25" (10.8 cm)

**Weight:** ..... 1.38 oz (626 g)

**11 mm (7/16")**

**HD26114**

**12.5 mm (1/2")**

**HD26005**

**16 mm (5/8")**

**HD26006**



## Climbing Technology Easy Move

This lightweight Rope-Access Backup device is designed for maximum performance in the most demanding rope access environments. Certified to EN 353-2:2002 as a guided type fall arrester for flexible lifeline, as well as EN 12841:2006-A/B for rope access systems.

### Key Features:

- Lightweight
- Easy to place on and off rope
- Grips well on dirty or icy ropes
- Locking mechanism for stationary working

**Weight:** ..... 5.0 oz (140g)

**Sizing Info:** ..... 10.5–11 mm rope

**HD26251**



## SMC Swivel

This rescue swivel is a high performance piece of gear with incredibly smooth action and a beautiful feel and finish. The holes are sized to work with rescue carabiners, and allow the lock sleeves to rotate through the holes. The heat-treated axle and a sealed high efficiency ball bearing ensures a smooth rotation. Compact for confined space and for awkward hauling situations. Smooth and rounded sides prevent catching on rocks, litters, or other components.

**BERRY COMPLIANT**

**COMPLIANT: NFPA 1983 (2017), G**

### Key Features:

- Lightweight
- Anodized aluminum
- Sealed bearing
- Heat treated axle
- For ropes 9.5 mm–16 mm

**Weight:** ..... 0.3 lbs

**Color:** ..... Blue/Charcoal, Tactical Black

**MBS:** ..... 44 kN (10000 lbf)

**Height:** ..... 1.30" (3.3 cm)

**Width:** ..... 2.00" (5.1 cm)

**Length:** ..... 3.50" (8.9 cm)

**Weight:** ..... 4.5 oz (128 g)

**Blue/Charcoal**

**SM136000N**

**Tactical Black**

**SM136007N**





## Skylotec – MILAN 2.0 Hub NEW

MILAN 2.0 HUB is THE standard rescue device in the industry with additional lifting function. With the help of the hand wheel, the casualty can be lifted over a short distance to release his lanyard and lower him safely. The device is optimised for personal rescue. Note: When working at height, a suitable rescue concept based on a risk assessment is essential. MILAN offers a wide range of applications for different rescue scenarios. To master these techniques, users must be carefully trained by an instructor who has been specially trained on the device..

**COMPLIANT:** ANSI Z359.4:2013, DIN EN 1496-A:2017, DIN EN 341-1A:2011, MEETS CSA Z259.2.3-1B:2012

### Key Features:

- The standard rescue device
- With additional lifting function
- User weight of up to 280 kg with redirection Intuitive operation due to rope guide and brake in the housing

**Color:** .....Orange / Black / White

**Abseiling Speed:**.....0,90 m/s

**Abseiling Height:**.....500,00 m

**E-class Number:**.....40-02-01-06

**Max. Service Life:**.....20 Years

**Max. Number Of Persons:** 2

**Rated Load:**.....260 KG

**Temperature:**.....60 °C – -35 °C,  
140 °f – -31 °f

**Suspension Element:**..KM9

**Material:** .....Aluminum, Polyamide, Steel

**Weight:**.....11.04 lbs (5007 g)

SYA-028



## Skylotec – Sirius NEW

SIRIUS packs the advantages of the best descenders for industrial and rescue applications into an extremely compact design – for better handling and long service life. SIRIUS lies perfectly in your hand. The auto-returning operating lever has a particularly small radius of motion so that you can work fast, accurately, more comfortably and safely. During rope insertion, which is intuitive and simple, the carabiner on the harness can stay connected to the device. We designed the route of the rope in such a way that it is protected from twisting and kinking, and from excessive wear and tear. SIRIUS was developed for extended use under the toughest of conditions. That's why it is made of up to 100 % metal – without any vulnerable synthetic spots. SIRIUS. Best ergonomics and long service life in its most compact form.

**COMPLIANT:** 40-02-01-06, DIN EN 12841-C:2006, DIN EN 341-2A:2011

### Key Features:

- Outstanding handling thanks to compact design and intuitive route of the rope
- Long-lasting and sturdy: 100% metal
- Auto-locking function, improved an

**Weight:**.....1.12 lbs

**Abseiling Speed:**.....2,00 m/s

**E-class Number:**.....40-02-01-06

**Max. Service Life:**.....30 Years

**Size:**.....47 x 79 x 175 mm

**Max. Number Of Persons:** 2

**Rated Load:**.....250 kg

**Material:** .....Aluminum, Polyamide, Steel

SYH-210



## Climbing Technology Sparrow 200 R

Developed specifically for rescue loads, the Sparrow 200R excels with heavy workloads. It may be used for descending, ascending, and lowering operations with 11mm rope. Internal brake spur is designed for smooth, effective control with a range of loads, light to heavy. Brake lever is designed to return to stop when released, and the EBS Safety System reduces speed if the lever is accidentally fully opened.

**COMPLIANT:** EN 341:2011-2A 200KG/180M // EN 12841:2006-C 210 KG

### Key Features:

- Able to load the device mid-line
- Multifunction control lever  
Able to load the device mid-line
- Multifunction control lever

**Silver/Orange HD26282**

**Black HD26283**



## Skylotec – Set Lory PRO NEW

OVALOY TRI/FS 64 ALU LORY is a robust descender and belay device. Its various application areas make the Lory your reliable companion for rope access and rescue (abseiling up to 225 kg load). LORY is used for work positioning, as a restraining device at roofs or slab edges, as a temporary anchor or for fall arrest in flexible cable systems. With LORY, the belaying person can easily feed and take rope. When using the device correctly, it blocks automatically in case of a fall. The LORY PRO model with its unimpeded movement of the cam is the ideal device for industrial purposes. It is equipped with a descent handle that ensures secured and controlled abseiling. The double-stop function blocks if the handle is pulled overly in panic and provides extra safety.

**COMPLIANT:** EN 12841-C:2006, EN 15151-1:2012, EN 341-2A:2011

**Weight:**.....3.5 lbs

**Color:** .....Black

**Diameter:**.....10.5 mm

**E-class Number:**.....40-02-01-90

**Max. Service Life:**.....10 Years

**Temperature:**.....60 °C – -20 °C

**Suspension Element:**..KM10,5

**Size:**.....2m

**Material:** .....Aluminum, Polyamide, Steel

SYL-0695-2





## ISC D4PRO Work/Rescue Descender

The standard D4TM Work/Rescue Descender has proven to be a popular Descender among Rope Access & Rescue users, all over the world. Many users value the extra peace of mind of having a panic-brake function. Feedback gathered from highly qualified and experienced "Pro" users highlighted a demand for a device which does not incorporate a panic-brake function. Enter the D4PRO! The ISC D4PRO Work/Rescue Descender is the same great Work/Rescue Descender, but without the panic brake. This can be particularly useful on longer descents and in rescue/belay applications, where a broader "sweet spot" is welcomed. As the D4PRO does not incorporate a panic-brake, it is not possible for the device to fully meet the criteria of NFPA and ANSI Standards.

### Key Features:

- Body Material: Aluminium
- Finish: Anodized

**Weight:**..... 676g (24oz)

**Sizing Info:** ..... 10.5-11.5 mm rope

### WITHOUT PANIC BRAKE

- Number of persons: 2
- ANSI compliant version: No

**Weight:**..... 1.5 lbs

**Rated Load:** ..... 240kg (529lb)

**COMPLIANT: EN12841**

**HD26289**

### WITH PANIC BRAKE

**Height:** ..... 200 mm (7 7/8")

**Width:** ..... 83 mm (3 1/4")

**Depth:** ..... 80 mm (3 1/8")

**COMPLIANT: EN 12841M, ANSI Z359, NFPA 1983**

**HD26268**



## ISC D5 Pro Descender (1/2")

### Without Panic Brake

The standard D5TM Work/Rescue Descender has proven to be a popular Descender for the North American Fire & Rescue and Tower Climbing markets, which typically use 1/2" (12.7 mm) ropes. Feedback gathered from highly qualified and experienced "Pro" users highlighted a demand for a device which does not incorporate a panic-brake function. The D5PRO Work/Rescue Descender is the same great Work/Rescue Descender, but without the panic brake. This can be particularly useful on longer descents and in rescue/belay applications, where a broader "sweet spot" is welcomed

**COMPLIANT: EN12841**

### Key Features:

- Compatible with rope diameter (12.7 mm)
- Number of persons: 2
- ANSI compliant version: No
- Body Material: Aluminium
- Finish: Anodized

**Weight:**..... 818 g (29oz)

**Rated Load:** ..... 240 kg (529lb)

**Sizing Info:** ..... 12.7 mm (1/2")

**HD26290**





## SMC Micro U Rack

The SMC Micro U-Rack assembly is the smallest and lightest of all SMC Rappel Racks. The design is based on the same principles of our proven NFPA Rappel Racks but more suited for sport climbing and caving expeditions. This device is ideal for either a long rappel or lowering as it evenly distributes the weight between both sides of the rack and does not allow the rope to twist.

\* The Micro Rack MBS range is dependent on rope diameters tested from 7 mm to 12.5 mm

**BERRY COMPLIANT**

### Key Features:

- Designed for reliability
- Rack frame and bars are polished Stainless Steel
- Supports rope diameters from 7 mm up to 12.5 mm
- Designed for long lasting service

**Height:** ..... 0.78" (2.0 cm)

**Width:** ..... 2.75" (7.0 cm)

**Length:** ..... 8.65" (21.6 cm)

**Max Rope Size:** 12.5 mm

**Weight:** ..... 16.08 oz (399 g)

**MBS:** ..... 8-22 kN (1798-5000 lbf)

**SM13700**



## SMC Compact U Rack

SMC's Compact U Rack has many advantages over other small U racks beyond SMC's quality manufacturing. The ingenious design prevents the bars from sliding around the bottom of the rack. The standard rack width allows it to be rigged on two ropes. The upper and lower tie off bars provide a greater variability of friction and secure tie off.

**COMPLIANT: NFPA 1983 (2017), G(FOR ROPES 11 MM-16 MM)**

**NFPA 1983(2012),T(FOR ROPES 9 MM-12.5 MM)**

- Stainless steel body and bars
- Compact Size
- Can be rigged with 2 ropes
- Two opposed tie off bars

**Height:** ..... 1.00" (2.5 cm)

**Width:** ..... 3.60" (9.1 cm)

**Length:** ..... 9.60" (24.4 cm)

**Weight:** ..... 1.66 lbs (754 g)

**SM14400N**



## SMC NFPA Rack Assembly

The NFPA rack is sold as a complete un-assembled kit so you can arrange it for right-hand or left-hand use. SMC has also added a 17.9" long rack to complete the line.

**COMPLIANT: NFPA 1983 (2017), G(FOR ROPES 11 MM-16 MM)**

**NFPA 1983(2012),T(FOR ROPES 9 MM-12.5 MM)**

- 1 six-bar rappel rack
- 1 stainless steel tie-off bar
- 1 anodized aluminum grooved straight slot bar
- 4 aluminum angled brake bars

### Straight Eye

### 90 Degree Eye

**Height:** ..... 1.00" (2.5 cm)

**Width:** ..... 3.75" (9.5 cm)

**Length:** ..... 14.40" (36.6 cm)

**Weight:** ..... 1.83 lbs (828 g)

**MBS:** ..... 44 kN (10000 lbf)

**Material:** ..... Stainless Steel / Aluminum

**Straight Eye SM14001N**

**90 Degree Eye SM14002N**

### 17.9" Long Rack

**Height:** ..... 1.00" (2.5 cm)

**Width:** ..... 3.75" (9.5 cm)

**Length:** ..... 17.9" (45.5 cm)

**Weight:** ..... 2.06 lbs (833 g)

**17.9" Long Rack SM14003N**





Content	Key Features	Technical Characteristics	SKU
<b>Rack Frame</b> Type #304 stainless steel construction, with a welded eye for extra strength. Each eye weld is inspected for dye penetration before shipping. Average tensile of material used is over 10,000 lbf. <b>BERRY COMPLIANT</b>	<ul style="list-style-type: none"><li>• Stainless Steel</li></ul>	<b>SMC "J" Rack Frame Straight Eye 6-Bar Capacity</b>  <b>Height:</b> .....0.38" (1 cm) <b>Width:</b> .....2.0" (5.1 cm) <b>Length:</b> .....14.4" (36.6 cm) <b>Weight:</b> .....14.5 oz (397 g)	<b>SM13002</b>
		<b>SMC "J" Rack Frame 90 Deg Eye 6 Bar Capacity</b>  <b>Height:</b> .....0.38" (1 cm) <b>Width:</b> .....2.13" (5.4 cm) <b>Length:</b> .....14.4" (36.6 cm) <b>Weight:</b> .....14.5 oz (397 g)	<b>SM13502</b>
<b>SMC 4 Bar "U" Rack</b> Type #304 stainless steel construction, with a welded eye for extra strength. Each eye weld is inspected for dye penetration before shipping. Average tensile of material used is over 10,000 lbf.	<ul style="list-style-type: none"><li>• Stainless Steel</li></ul>	<b>Weight:</b> .....0.67 lbs	<b>SM13105</b>
<b>SMC Long "J" Rack</b> The NFPA rack is sold as a complete unassembled kit so you can arrange it for right-hand or left-hand use. SMC has also added a 17.9" long rack to complete the line. <b>BERRY COMPLIANT</b> <b>COMPLAINT:</b> NFPA 1983 (2017), G(FOR ROPES 11MM-16MM), NFPA 1983(2012), T(FOR ROPES 9MM-12.5MM)	<ul style="list-style-type: none"><li>• 1 six-bar rappel rack</li><li>• 1 stainless steel tie-off bar</li><li>• 1 anodized aluminum grooved straight slot bar</li><li>• 4 aluminum angled brake bars</li></ul>	<b>Weight:</b> .....1.2 lbs	<b>SM13311</b>
<b>SMC Stainless Steel Top Bar with Groove</b> The 7/8" top bar is designed to stay on your rack and virtually last forever. Has machined groove to keep the rope centered. Core drill out keeps this bar cool and light-weight. Use only one top bar per rack. <b>BERRY COMPLIANT</b>	<ul style="list-style-type: none"><li>• Stainless Steel</li></ul>	<b>Height:</b> .....0.88" (2.2 cm) <b>Width:</b> .....0.88" (2.2 cm) <b>Length:</b> .....2.47" (6.3 cm) <b>Weight:</b> .....4.1 oz (120 g)	<b>SM11000</b>



Content	Key Features	Technical Characteristics	SKU
<b>SMC brake bars</b> This 1" Tubular Stainless Steel Brake Bar features an angled slot. Using stainless steel means that the bar will last longer and will not leave the residual aluminum streaks on your rope like the aluminum alternatives. The angled slot helps keep bars still once it has been snapped in place.  <b>BERRY COMPLIANT</b>	• Stainless Steel	<b>Angled Brake Bar</b> <b>Height:</b> ..... 1.0" (2.5 cm) <b>Width:</b> ..... 1.0" (2.5 cm) <b>Length:</b> ..... 2.45" (6.2 cm) <b>Weight:</b> ..... 2.8 oz (80 g)	Angled Brake Bar <b>SM12010</b>  
 <b>BERRY COMPLIANT</b>		<b>Brake Bar angled slot</b> <b>Brake Bar angled slot w/training groove</b> <b>Weight:</b> ..... 0.11 lbs <b>Height:</b> ..... 0.86" (2.2 cm) <b>Width:</b> ..... 0.86" (2.2 cm) <b>Length:</b> ..... 2.70" (6.9 cm) <b>Weight:</b> ..... 1.7 oz (48 g)	SMC 3/4" Brake Bar Stainless Steel Angled Slot <b>SM12500</b>  
 <b>BERRY COMPLIANT</b>		 <b>SMC 3/4" Brake Bar W/Training Groove SS</b> <b>SM12501</b>	  
<b>Steel Tie Off Bar</b> Large 1" diameter hyper-bar with extension and pin to make locking off easier as well as providing additional friction when needed. Use as a top bar.  <b>BERRY COMPLIANT</b>	• Stainless Steel	<b>1" U Rack Top Bar</b> <b>Height:</b> ..... 1.0" (2.5 cm) <b>Width:</b> ..... 2.0" (5.1 cm) <b>Length:</b> ..... 3.65" (9.3 cm) <b>Weight:</b> ..... 5.3 oz (150 g)	<b>SM12110</b>  
 <b>BERRY COMPLIANT</b>		<b>1" Tie Off Bar</b> <b>Height:</b> ..... 1.0" (2.5 cm) <b>Width:</b> ..... 2.0" (5.1 cm) <b>Length:</b> ..... 3.65" (9.3 cm)	<b>SM12301</b>  
<b>SMC Aluminum Brake Bars</b> Solid aluminum gives these bars maximum friction and good wear characteristics. Lighter than the stainless bars and available in a straight slot configuration. 7/8" diameter models fit all SMC racks.  <b>BERRY COMPLIANT</b>	• Aluminum	<b>Weight:</b> ..... 0.12 lbs <b>Height:</b> ..... 0.88" (2.2 cm) <b>Width:</b> ..... 0.88" (2.2 cm) <b>Length:</b> ..... 2.50" (6.4 cm) <b>Weight:</b> ..... 1.9 oz (53 g)	 <b>7/8" Brake Bar Anodized W/Angled Slot</b> <b>SM12201</b>  
 <b>BERRY COMPLIANT</b>		 <b>7/8" Brake Bar W/Groove Anodized-Blue</b> <b>SM12401</b>	  
<b>SMC Aluminum Top Bar with Groove</b> 7/8" diameter aluminum bar for one of your first or top bars. The extra mass acts as a heat sink and the training groove helps keep the rope centered in your rack. Use only one top bar per rack.  <b>BERRY COMPLIANT</b>	• Aluminum	<b>Height:</b> ..... 0.88" (2.2 cm) <b>Width:</b> ..... 0.88" (2.2 cm) <b>Max Rope Size:</b> ..... 13 mm <b>Length:</b> ..... 2.50" (6.4 cm) <b>Weight:</b> ..... 1.9 oz (53 g) <b>MBS:</b> ..... 14 kN (3147 lbf)	<b>SM12605</b>  



Content	Key Features	Technical Characteristics	SKU
<p><b>PMI® Large Steel Rescue 8</b> The classic descender for ropework, the figure 8 is perhaps the most widely recognized component of all vertical gear. This XL steel version from PMI® is designed for maximum wear and versatility. You can expect it to provide hundreds of hours of impeccable performance in just about any environment.</p> <p>BERRY COMPLIANT</p>	<ul style="list-style-type: none"> <li>Accepts single or double wrapping braking</li> <li>Works with rope diameters up to 16 mm (5/8"). Bottom hole can be used as a sticht plate</li> </ul>	<b>Weight:</b> .....1.55 lbs <b>Height:</b> .....0.50" (1.3 cm) <b>Width:</b> .....6.75" (17.1 cm) <b>Length:</b> .....6.75" (17.1 cm) <b>Weight:</b> .....1.5 lbs (680 g) <b>Max Rope</b> <b>Size:</b> .....16 mm <b>MBS:</b> .....28 kN (6295 lbf)	 <b>HD26100</b>
<p><b>SMC/RA Large Aluminum Figure 8</b> Larger version of the popular Rescue 8 with "ears". Made for ropes up to 5/8" (16 mm).</p> <p>BERRY COMPLIANT</p>	<ul style="list-style-type: none"> <li>Ears to prevent girth hitching</li> </ul>	<b>Color:</b> .....Gray <b>Max Rope</b> <b>Size:</b> .....16 mm <b>Height:</b> .....0.50" (1.3 mm) <b>Width:</b> .....6.40" (16.3 cm) <b>Length:</b> .....7.15" (18.2 cm) <b>Weight:</b> .....8.0 oz (227 g) <b>MBS:</b> .....32 kN (7194 lbf)	 <b>SM142000</b>
<p><b>SMC/RA Rescue 8, NFPA</b> One of the most popular full-sized descenders used by professionals throughout the rescue, fire service, and police/tactical markets for years. Solid aluminum, this heat treated 8 is a staple in your rescue bag.</p> <p>BERRY COMPLIANT</p> <p><b>COMPLIANT:</b> NFPA 1983 (2012), T (FOR ROPES 9.5 MM – 12.5 MM), NFPA 1983 (2017), G(FOR ROPES 11 MM-16 MM)</p>	<ul style="list-style-type: none"> <li>Solid heat treated aluminum</li> <li>Hard-anodized finish</li> <li>Choose from grey or black</li> <li>Carabiner hole functions as a sticht plate for 1/2" rope</li> </ul>	<b>Color:</b> .....Black, Grey <b>Height:</b> .....0.50" (1.3 cm) <b>Width:</b> .....5.25" (13.3 cm) <b>Length:</b> .....6.16" (15.6 cm) <b>Weight:</b> .....6.5 oz (184 g) <b>Max Rope</b> <b>Size:</b> .....16 mm <b>MBS:</b> .....32 kN (7194 lbf)	 <b>Black SM128701N</b> <b>Grey SM128702N</b>
<p><b>SMC Mountaineering 8</b> The classic descender for ropework, the figure 8 is perhaps the most widely recognized component of all vertical gear. This XL steel version from PMI® is designed for maximum wear and versatility. You can expect it to provide hundreds of hours of impeccable performance in just about any environment.</p> <p>BERRY COMPLIANT</p>	<ul style="list-style-type: none"> <li>Effective for either single or double wrap braking</li> <li>Works with 8 mm to 12.5 mm</li> <li>Bottom hole can be used as a stitch plate</li> <li>High quality aircraft grade 6061 aluminum</li> </ul>	<b>Weight:</b> .....0.18 lbs <b>Color:</b> .....Black, Blue <b>Height:</b> .....0.38" (9.0 mm) <b>Width:</b> .....2.96" (7.5 cm) <b>Length:</b> .....4.62" (11.7 cm) <b>Weight:</b> .....2.8 oz (79 g) <b>MBS:</b> .....27 kN (6070 lbf)	 <b>Black SM81700</b> <b>Blue SM81702</b>
<p><b>SMC Personal Escape 8, NFPA</b> When easy application and removal of an escape descender is desired, the SMC Escape 8 is a convenient choice. Familiar figure 8 shape is modified and optimized for descending on small diameter ropes.</p> <p>BERRY COMPLIANT</p> <p><b>COMPLIANT:</b> NFPA 1983 (2012), E (FOR ROPES 7.5 MM-9.5 MM)</p>	<ul style="list-style-type: none"> <li>Compact</li> <li>Lightweight</li> </ul>	<b>Color:</b> .....Black, Gold <b>Max Rope</b> <b>Size:</b> .....13 mm <b>Height:</b> .....0.38" (9 mm) <b>Width:</b> .....2.73" (6.9 cm) <b>Length:</b> .....2.80" (7.1 cm) <b>Weight:</b> .....1.7 oz (48 g) <b>MBS:</b> .....14 kN (3147 lbf)	 <b>Gold SM126501N</b> <b>Black SM126502N</b>



Content	Key Features	Technical Characteristics	SKU
<b>PMI® Vari-Rigger</b> A simple adjustable strap with D-rings on each end. Double around a suitable anchor for a quick rigging point to use as a variable length tether.	<ul style="list-style-type: none"> <li>High strength D-rings on both ends</li> <li>Quick, adjustable rigging</li> <li>Buckles slip at 22 kN (5000 lbf)</li> <li>Adjustable length 24" to 96"</li> </ul>	<b>Weight:</b> ..... 1.55 lbs <b>MBS:</b> ..... 22 kN <b>Material:</b> ..... Nylon	<b>SG51033</b> 
<b>Skedco Soft Anchor Sling</b> The Skedco Soft Anchor Sling is a perfect utility strap suitable for many purposes. With loops sewn on each end, this strap is lightweight and easy to use. The 6 ft model is constructed of 16,000 lbf tensile strength webbing and the 8, 12, and 20 ft long models are of 20,000 lbf webbing.	<ul style="list-style-type: none"> <li>3 lengths</li> <li>3" high tensile strength webbing</li> <li>Lightweight</li> </ul>	<b>Weight:</b> ..... 1 lbs <b>Length in Feet:</b> .. 12, 20, 8 <b>MBS:</b> ..... 22 kN <b>Weight:</b> ..... 1.50 lbs <b>Length:</b> ..... 8 ft 96.0" <b>Length:</b> ..... 12 ft 144.0" <b>Length:</b> ..... 20 ft 240.0" <b>Weight:</b> ..... 8ft 2.0 lbs <b>Weight:</b> ..... 12 ft 2.38 lbs <b>Weight:</b> ..... 20 ft 2.63 lbs	243 cm (8 ft) long <b>SK9118</b> 366 cm (12 ft) long <b>SK91112</b> 610 cm (20 ft) long <b>SK91120</b>  
<b>PMI® Wire Rope Sling</b> PMI® wire rope slings are excellent temporary and semi permanent ANSI certified anchors. They are available in 3 and 6 foot lengths with various terminations for versatility on the job or in a rescue kit.  <b>COMPLIANT:</b> ANSI Z359.1 (2007)	<ul style="list-style-type: none"> <li>ANSI Z359 certified</li> <li>Iridescent blue tubing for easier cable inspections</li> <li>5000 lbs breaking strength</li> <li>Available in 3 and 6 foot sizes</li> </ul>	<b>Weight:</b> ..... 1 lbs <b>Length in Feet:</b> .. 3, 6 <b>MBS:</b> ..... 22 kN <b>Length:</b> ..... 3 ft 36.0" <b>Length:</b> ..... 6 ft 72.0" <b>Weight:</b> ..... 3 ft 1.00 lbs <b>Weight:</b> ..... 6 ft 1.45 lbs	3 ft <b>HD26236</b> 6 ft <b>HD26237</b>  
<b>Climbtech Wire Rope Choker Sling</b> ANSI Z359 certified anchorage connector with iridescent blue tubing for easier cable inspections. Has offset thimbles so sling can be used in a choker configuration.  <b>COMPLIANT:</b> ANSI Z359.1 (2007)	<ul style="list-style-type: none"> <li>ANSI Z359 certified</li> <li>Iridescent blue tubing for easier cable inspections</li> <li>5000 lbs breaking strength</li> <li>Available in 3 and 6 foot sizes</li> </ul>	<b>Weight:</b> ..... 1.1 lbs <b>Length in Feet:</b> .. 3, 6 <b>MBS:</b> ..... 22 kN <b>Length:</b> ..... 3 ft 36.0" <b>Weight:</b> ..... 3 ft 1.10 lbs <b>Length:</b> ..... 6 ft 72.0" <b>Weight:</b> ..... 6 ft 1.60 lbs	3 ft <b>HD26238</b> 6 ft <b>HD26239</b>  
<b>Climbtech Roller Sling</b> ANSI Z359 certified anchorage connector with sealed ball bearing rollers and spaces for ease while working on bridges or around pipe where other anchor points aren't prevalent. Steel carabiner not included.  <b>COMPLIANT:</b> ANSI Z359.1 (2007)	<ul style="list-style-type: none"> <li>ANSI Z359 certified</li> <li>Iridescent blue tubing for easier cable inspections</li> <li>5000 lbs breaking strength</li> <li>Available in 3 and 6 foot size</li> </ul>	<b>Weight:</b> ..... 1 lbs <b>Length in Feet:</b> .. 2, 3 <b>MBS:</b> ..... 22 kN (b5000 lbf)	2 ft <b>HD26246</b> 3 ft <b>HD26247</b>  



Content	Key Features	Technical Characteristics	SKU
<b>SMC SV2 Basel Anchor Descender</b> <p>This updated version of the Spyder includes performance improvements targeted at rope access technicians, tower climbers and arborists. Optimized for 11 mm rope, the SV2 limits loads on the anchor and the technician by slipping between 900 and 1500 lbf. This makes it a great choice as a basal anchor when you are rigging your ropes for ground-based rescue. Other improvements include a tied-off MBS that increased from 13.5kN to 18kN, a thicker, more ergonomic handle and re-worked braking function so it's gentler on ropes. The Spyder's reliable anti-panic cam geometry was retained to keep you safe.</p>	<ul style="list-style-type: none"><li>• Material: Aluminum and Stainless Steel</li><li>• Finish: Anodized</li><li>• Made in the USA</li></ul>	<b>Weight:</b> .....19.8 oz (562g) <b>Dimensions:</b> 8.5" x 3.35" x 1.55" <b>Rope Size:</b> .11mm <b>Minimum Breaking Strength:</b> .... 18kN	<b>SM220301</b> 
<b>SMC Vector Rigging Plate</b> <p>The Vector Rigging Plate is a light-weight, high-strength, omni-directional collection point for challenging rigging scenarios. It features seven clip-in points with rounded edges so it's friendly to both carabiners and softgoods. Its versatility makes it a key component for arborists, rope access and rescue technicians.</p>		<b>Length:</b> .....4.15" (105 mm) <b>Width:</b> .....4.56" (116 mm) <b>Materials:</b> ..7075 Aluminum <b>Weight:</b> .....5.92 oz (168g) <b>MBS:</b> .....48kN (10,791 lbf)	<b>SM290050</b> 
<b>SMC NFPA Rigging Plate</b> <p>Half the size of the bigger plates on the market, yet just as strong and with oversized holes to accommodate more gear. Contoured edges are easy on ropes, webbing and carabiners. Each oval hole will easily accept 2 large carabiners while a large center hole accepts numerous connections.</p>	<ul style="list-style-type: none"><li>• Anodized aluminum</li><li>• Holes are numbered for quick identification</li><li>• For ropes 9.5–16 mm"</li></ul>	<b>Color:</b> .....Red <b>MBS:</b> .....50 kN (11240 lbf) <b>Height:</b> .....0.50" (1.3 cm) <b>Width:</b> .....5.30" (13.5 cm) <b>Length:</b> .....7.00" (17.8 cm) <b>Weight:</b> .....11.4 oz (323 g)	<b>SM130005</b> 
<b>SMC Mini Rigging Plate</b> <p>One of the lightest yet strongest mini-rigging plates on the market, built with high quality 6061 aircraft grade aluminum for strength, durability, corrosion resistance, and years of reliability. Designed to serve as either a belay device or a collection point for multiple anchors and/or rigging points - but that certainly doesn't exclude it from a host of other tasks.</p>	<ul style="list-style-type: none"><li>• Large carabiner holes</li></ul>	<b>Color:</b> .....Black, Blue <b>MBS:</b> .....36 kN (8093 lbf) <b>Height:</b> .....0.37" (9.4 cm) <b>Width:</b> .....2.93" (7.4 cm) <b>Length:</b> .....3.75" (9.5 cm) <b>Weight:</b> .....3.0 oz (80 g)	<b>Black SM130301N</b> <b>Blue SM130302N</b> 

Rope

Webbing and Cordage

Personal Gear

Hardware

Solutions and Kits

Patient Care

Logistics and Support Gear

Training and Education



Content	Key Features	Technical Characteristics	SKU
<b>SMC Radius Ring</b> Designed to meet the demanding requirements of arborists and professional riggers, these rings feature an ultra-smooth interior radius for smooth, predictable movement on a harness bridge or as part of a friction saver. The best-in-class strength ratings are a testament to the quality of the material and production techniques. Power users will appreciate the Radius Rings superior durability and toughness. Because these rings cannot accidentally open, they are ideal for remote anchor points where nothing can be left to chance.	<ul style="list-style-type: none"> <li>• 100% Made in the USA</li> </ul>	<p><b>28 mm</b>  <b>Finish:</b> ..... Orange Anodized  <b>Dimensions:</b> .... Inside Diameter 28 mm (1.10") / Outside Diameter 48 mm (1.88")  <b>Thickness:</b>..... 12.7 mm (.50")  <b>Weight:</b>..... 35g (1.20 oz)  <b>3 Sigma MBS:</b> .. 38kN (8542 lbs.)</p>	Orange <b>SM81520</b> 
<b>SMC Descending Ring</b> This inexpensive aluminum ring is intended to be left at the top of a rappel in place of a carabiner to facilitate rope recovery. More creative applications abound in rescue rigging.		<p><b>40 mm</b>  <b>Finish:</b> ..... Blue Anodized  <b>Dimensions:</b> .... Inside Diameter 40 mm (1.57") / Outside Diameter 61 mm (2.40")  <b>Thickness:</b>..... 12.7 mm (.50")  <b>Weight:</b>..... 46g (1.60 oz)  <b>3 Sigma MBS:</b> .. 40kN (8992 lbs.)</p>	Blue <b>SM81540</b> 
<b>SMC Rigging Ring</b> The SMC Rigging Ring is the strongest aluminum ring of its size on the market. The SMC Rigging Ring was designed as the ultimate climbing accessory and can be used in conjunction with anchor systems, haul systems, or as a connection point, providing that missing link which is often needed. The inside diameter will accommodate three standard sized carabiners.		<p><b>Weight:</b>..... 0.02 lbs  <b>MBS:</b> ..... 15 kN (3372 lbf)  <b>Height:</b> ..... 0.30" (8.0 mm)  <b>Length:</b>..... 2.0" (5.1 cm)  <b>Width:</b>..... 2.0" (5.1 cm)  <b>OD:</b> ..... 2.00" (5.1 cm)  <b>ID:</b> ..... 1.50" (3.8 cm)  <b>Weight:</b>..... 0.4 oz (11 g)</p>	<b>SM81600</b> 
<b>Steel O Ring</b> Simple, low cost focal point for rigging. This is a "bombproof" forged steel ring that is ideal for any multi-directional loading situation.		<p><b>Color:</b> ..... Grey, Red  <b>MBS:</b> ..... 32 kN (7194 lbf)  <b>Height:</b> ..... 0.50" (1.3 cm)  <b>Weight:</b>..... 0.9 oz (26 g)  <b>OD:</b> ..... 1.70" (4.3 cm)  <b>ID:</b> ..... 1.10" (2.8 cm)</p>	Grey <b>SM81503</b> Red <b>SM81505</b> 
		<p><b>MBS:</b> ..... 44 kN (10000 lbf)  <b>Height:</b> ..... 0.50" (1.3 cm)  <b>OD:</b> ..... 4.00" (10.2 cm)  <b>ID:</b> ..... 3.00" (7.6 cm)  <b>Weight:</b>..... 9.0 oz (256 g)</p>	<b>HD26049</b> 



Content	Key Features	Technical Characteristics	SKU
<b>PMW Hook</b> Designed and precision-manufactured in the USA by veteran firefighter and craftsman Bill Pettey, the PMW Hooks are more than just simple window hooks. There are numerous ways to use the hook to make an anchorage, either over a window sill or around a secure point; it can also be used as a personal descender, or to make a rescue lower. Discover the unique advantages of the PMW hook – now available in standard or compact dimensions.		<b>Standard</b> <b>Weight:</b> .....1.32 lbs <b>Color:</b> .....Orange <b>MBS:</b> .....5,000 lbf <b>Height:</b> .....6.25" (15.2 cm) <b>Width:</b> .....5.00" (12.7 cm) <b>Hook</b> <b>Opening:</b> ....2.5" (6.35 cm)	<b>HD26285</b> 
		<b>Compact</b> <b>Weight:</b> .....0.66 lbs <b>Color:</b> .....Orange <b>MBS:</b> .....3,000 lbf <b>Height:</b> .....4" <b>Width:</b> .....3.5" <b>Hook</b> <b>Opening:</b> ....1.25" (2.54 cm)	<b>HD26286</b> 
<b>PMI® 1/2" RB Anchor</b> This anchor can be removed and reused at any desired location. It features unmatched safety, ease of use, and speed. The RB Anchor works in horizontal, vertical, and overhead/ceiling surfaces. Costly engineering inserts are not required. This anchor can be used for restraint, work positioning and more. This product is designed for use in concrete or rock only.	<ul style="list-style-type: none"><li>Spring is zinc plated steel</li><li>Swage is zinc plated copper</li><li>Trigger is aluminum alloy</li><li>End termination, spoons, and stop sleeves are stainless steel</li><li>Main cable is 7 x 19 galvanized cable</li><li>Do not use for fall protection"</li></ul>	<b>MBS:</b> .....12 kN (2700 lbf) <b>Working Load</b> <b>Limit:</b> .....2.2 kN (500 lbf) <b>Height:</b> .....1.25" (3.2 cm) <b>Length:</b> .....9.0" (22.9 cm) <b>Width:</b> .....3.65" (9.3 cm) <b>Weight:</b> .....3.2 oz (91 g)	<b>HD26233</b> 
<b>Climbtech 3/4" Toggle Lok Anchor</b> This innovative anchor sets itself apart from the competition. It features unmatched safety, ease of use, and versatility. This anchor can be removed and used again. The Toggle works in horizontal, vertical, and overhead surfaces. It also works in either precast concrete or steel flanges. Costly engineering inserts are not required. This anchor can be used for fall protection, life line systems, restraint, work positioning, tie back anchors, and more.	<ul style="list-style-type: none"><li>Works in both shear and tensile loads</li><li>Spring is zinc plated steel</li><li>Swage is zinc plated copper</li><li>Hole plug is aluminum alloy</li><li>Cable sheath is plastic</li><li>Main cable is 7 x 19 galvanized cable"</li></ul>	<b>Weight:</b> .....0.6 lbs <b>MBS:</b> .....50 kN (11240 lbf) <b>Height:</b> .....0.50" (1.3 cm) <b>Length:</b> .....7.00" (17.8 cm) <b>Weight:</b> .....11.4 oz (323 g)	<b>HD26225</b> 
<b>Tractel Beam Clamp</b> This anchorage is designed to fit I-beams from 3" to 9.25". Simple installation, removable. Meets ANSI, CSA, and OSHA anchorage requirements. <b>COMPLIANT: ANSI Z359.1 (2007), CSA</b>	<ul style="list-style-type: none"><li>Rated for a one person load</li><li>Removable</li><li>Clamp is rated at 1 ton"</li></ul>	<b>Weight:</b> .....9.8 lbs <b>MBS:</b> .....24 kN (5400 lbf) <b>Height:</b> .....6.0" (15.2 cm) <b>Width:</b> .....2.50" (6.4 cm) <b>Length:</b> .....15.0" (38.1cm) <b>Weight:</b> .....12.3 lbs (5.599 kg)	<b>HD26067</b> 
<b>Climbtech Bantam Beamer</b>	<ul style="list-style-type: none"><li>Support bar is 7075 Aluminum alloy</li><li>Flange hook is 6061 Aluminum alloy</li><li>Flange insert is Aluminum Bronze</li><li>Flange stops and D-ring mount is stainless steel</li><li>Adjusts from 3.5" to 14""</li></ul>	<b>Weight:</b> .....3.6 lbs	<b>HD26229</b> 
<b>Climbtech Vertical Beam Clamp</b>	<ul style="list-style-type: none"><li>Beam Flange Width: 4" – 14"</li><li>Breaking Strength: 5,000 lbf / 22kn</li></ul>	<b>Weight:</b> .....7.8 lbs	<b>HD26249</b> 



Content	Key Features	Technical Characteristics	SKU
<b>Tractel Anchorage D-Ring</b> Very convenient and easy to install, the anchorage D-rings can be fixed in a variety of positions and are specially designed to avoid roll-out.	<ul style="list-style-type: none"> <li>Drop forged steel with zinc dichromate finish</li> <li>Includes nut and bolt</li> <li>Anchorage D-ring with 1/2 in. (13 mm) clearance hole</li> <li>Manufactured in accordance with ANSI, OSHA and CSA requirements</li> <li>Meets and/or exceeds 5,000 lbs. (22.2 kN) strength requirements for anchorage point</li> </ul>		<b>HD26245</b>
			
<b>Climbtech Super Slider for 3.5"-12" Steel I-Beam</b> A removable and reusable sliding I-beam anchor, easy to place and remove. This anchor is designed to easily glide along the beam while trailing the worker. This beamer is available in Blue and Green. D-Ring is centered on the anchorage connector for ease of sliding on beam flanges. Particularly in rope access applications, bodyweight may disengage the centering feature in some loading conditions. This is not a safety concern, but it may affect usability.	<ul style="list-style-type: none"> <li>Static Tensile Strength: 5,000-lbf/22kN</li> <li>Single user maximum capacity 310lbs</li> <li>Beam Flange Width Range: 3.5"-12"</li> <li>Beam Flange Thickness: .25"- 1.25"</li> <li>Weight: 3.4lbs</li> <li>Aluminum Cross Bar</li> <li>Zinc Plated Steel D-Ring, Spring, Hardware</li> <li>Aluminum Clamps</li> <li>Bronze Flange Insert</li> </ul>		<b>HD26245</b>
			
<b>COMPLIANT:</b> ANSI Z359.18, ANSI Z359.7, OSHA 1910.66, OSHA 1926.502, EN 795:2012			
<b>Climbtech Mega Swivel 10k - w/Bolt for Steel</b>	<ul style="list-style-type: none"> <li>Works in both shear and tensile loads</li> <li>D-ring rotates 360 degrees</li> <li>D-ring flips 180 degrees Heavy gauge zinc plated, forged, heat treated alloy steel</li> <li>One steel bolt included</li> </ul>	<b>Weight:</b> ..... 1.6 lbs	<b>HD26226</b>
			
<b>Mega Swivel 10k-w/Bolt for Concrete</b>	<ul style="list-style-type: none"> <li>Works in both shear and tensile loads</li> <li>D-ring rotates 360 degrees</li> <li>D-ring flips 180 degrees</li> <li>Heavy gauge zinc plated, forged, heat treated alloy steel</li> <li>One concrete bolt included</li> </ul>	<b>Weight:</b> ..... 2.2 lbs	<b>HD26227</b>
			
<b>TerrAdaptor™ Quick Lash</b> The TerrAdaptor™ QuickLash has been designed to work exclusively on the TerrAdaptor™ grey tube as an anchor point. With the QuickLash, TerrAdaptor™ users will now be able to install an auxiliary anchor point before, during or after set up. Simply connect the QuickLash by inserting the quick release pin and you have a high strength single or multi direction tieback. This new QuickLash is ideal for attaching pulleys or other gear to assist with tie backs, redirects, and/or tie downs. Quick, easy and high strength make this TerrAdaptor™ accessory a must have for all rescue teams who have come to love the TerrAdaptor™.	<ul style="list-style-type: none"> <li>Attach to grey tubes before, during or after setting up TerrAdaptor</li> <li>Connection point for single or multi direction tieback</li> <li>Can be attached inside of leg and used to tie TerrAdaptor down for stability</li> <li>Can be used as attachment point for hanging pulleys or other gear</li> <li>Can be attached at the foot connection point</li> <li>30 kN strength when loaded straight along major axis</li> <li>15 kN when strength when pulled to side at 90 degrees</li> </ul>	<b>Weight:</b> ..... 0.4 lbs <b>MBS:</b> ..... 30 kN (6744 lbf) <b>Major Axis MBS:</b> ..... 30 kN (6744 lbf) <b>Minor Axis MBS:</b> ..... 15 kN (3372 lbf) <b>Height:</b> ..... 0.75" (1.9 cm) <b>Width:</b> ..... 2.94" (7.5 cm) <b>Length:</b> ..... 4.42" (11.2 cm)	<b>SM230370</b>
			

# TERRADAPTOR™ TRIPOD SYSTEM

**COMPLIANT:** NFPA 1983 (2017), G CE EN795

Multiple configurations of the TerrAdaptor™ Portable Anchor System can be built from various standard system components. The primary system revolves around the TerrAdaptor™ Tripod System (SM230100N). This system includes all of the necessary parts to assemble a standard symmetric tripod that provides the ability to reach a height of approximately 10 ft, and can be used in a Gin Pole or Bi-Pod configuration. The system comes packaged in three compact packable bags to make it easy to "grab your bags and go" as well as store the System together in an organized manner. To transition your Tripod to a Quadpod System, you can purchase the TerrAdaptor™ Quadpod Attachment Kit (SM230105). This kit provides the fourth leg and attachment pieces necessary to transition your tripod into a Quadpod. If your needs are fairly simple and a single gin pole is the best solution for your situation, you can purchase the TerrAdaptor™ Gin Pole Kit (SM230106). This kit includes a full leg kit to reach approximately 10 feet in height adjustability. For those who typically encounter environments that require more than 10 feet of height, additional leg extension pieces

## Key Features:

- TerrAdaptor™ Tripod Head
- 2 Offset Leg Clamps with 3 Load Locking Pins each
- Center Leg Clamp with 3 Load Locking Pins each
- Main Attachment Pin
- 3 Leg Kits complete with Modular Adaptor and Rocker Foot
- 3 Rope Hobble Sections
- Cotter Pin Kit
- Leg Coupling Pin
- 2 Lash Ring with 1 Coupling Pin each
- TerrAdaptor™ Head/ Accessory Bag
- 2 TerrAdaptor™ Leg Bag
- TerrAdaptor™ User Guide (apprx 4 ft in length) can be individually purchased for this use. This piece can also be used to provide one extra long leg if a tall "lazy leg" configuration, if desired.

**Weight:**..... 90.00 lbs (40.823 kg)

**SM230100N**

The complete TerrAdaptor™ Tripod System (SM230100N) includes everything you need to set up an NFPA configuration. All of the revolutionary parts come divided into three bags to make transport into the field easy for your whole Team. The bags are also great for storing on any rescue rig.



Rope

Webbing  
and Cordage

Personal  
Gear

Hardware

Solutions  
and Kits

Patient  
Care

Logistics and  
Support Gear

Training and  
Education

The TerrAdaptor™ includes one head bag and two leg bags



*The exterior of the head bag has form fitting back-pack straps for comfortable transport.*



*The interior of the head bag has dividers that protect the pieces from damage.*



*The TerrAdaptor™ legs are divided into two bags with backpack straps for easy transport.*

What makes the TerrAdaptor unique?



*Entirely unique to the TerrAdaptor™ is the ability to adjust the head angle in multiple directions.*



*Leg coupling pins provide a secure connection when the pin is fully inserted and the bail is properly secured.*



*The adaptability of the TerrAdaptor™ Tripod can be set up in any type terrain or environment.*



## SMC Space Station

### Key Features:

- Multiple configurable connections via TerrAdaptor head and leg couplings
- One fixed and one floating rigging plate enables loads to self-center
- Can be split into two halves and attached to either TerrAdaptor grey perf tubes or the orange mid tubes
- Can be set up as single, lightweight monopod head with TerrAdaptor Gin Pole
- Beefy 5/8" thick rigging plates can accommodate NFPA G-rated eye-to-eye loads (50kN) and T-rated axial loads (24kN)
- Integrated rope horn for connector-free rigging options
- Seven extra-large connection holes on each plate, able to accommodate multiple carabiners and pass lock sleeves
- Includes: Zippered Case, Large ball detent pin, 2 leg pins, user manual
- Weight: 65oz
- Made in the USA

**Weight:**..... 4.07 lbs

**SM230600**



## TerrAdaptor™ Gin Pole Kit

### Key Features:

- 2 Lash Ring with Coupling Pins
- Leg kit complete with Ball Foot, Hobble Plate & Basket

### TerrAdaptor™ User Guide

**Weight:**..... 23.4 lbs

**SM230106**



## TerrAdaptor™ Quadpod Attachment System

**COMPLIANT:** EN795, CE, NFPA 1983 (2017), G

- Quadpod Head Attachment
- TerrAdaptor™ Tripod Head
- 2 Offset Leg Clamps with 3 Load Locking Pins each
- Center Leg Clamp with 3 Load Locking Pins each
- Main Attachment Pin
- 3 Leg Kits complete with Modular Adaptor and Rocker Foot
- 3 Rope Hobble Sections
- Cotter Pin Kit
- Leg Coupling Pin
- 2 Lash Ring with 1 Coupling Pin each
- TerrAdaptor™ Head/ Accessory Bag
- 2 TerrAdaptor™ Leg Bag
- TerrAdaptor™ User Guide

**Weight:**..... 92.4 lbs

**Weight:**..... 90.00 lbs (40.823 kg)

**SM230105**



## TerrAdaptor™ Lash ring kit

**Weight:**..... 0.8 lbs

**SM230230**



Rope

Webbing  
and Cordage

Personal  
Gear

Hardware

Solutions  
and Kits

Patient  
Care

Logistics and  
Support Gear

Training and  
Education



Content	Key Features	Technical Characteristics	SKU
<b>Rocker Foot</b> The new Rocker Foot is the next generation of the Ball Foot – it provides more surface area on the ground than the previous Ball Foot.	<ul style="list-style-type: none"> <li>Lean angles are greater</li> <li>Three full-size lash points are standard</li> <li>Lash points may be easily clipped at extreme lean angles</li> </ul>	<b>Weight:</b> .....0.45 lbs <b>MBS:</b> .....30 kN (6744 lbf) <b>Height:</b> .....1.46" (3.7 cm) <b>Width:</b> .....2.40" (6.1 cm) <b>Length:</b> .....4.54" (11.5 cm) <b>Weight:</b> .....6.7 oz (191 g)	<b>SM230500</b> 
<b>Talon Foot</b> The new Talon Foot includes two spikes which allow the feet to be perched on edges of walls and catwalks, or they may also be lashed securely to pipes, beams, and rails. The steel tips of the foot may be sharpened or replaced.	<ul style="list-style-type: none"> <li>Lash points are still accessible when spikes are fully engaged</li> <li>Longer spike penetrates deeply for secure placement</li> <li>Shorter spike provides additional security against foot movement</li> </ul>	<b>Weight:</b> .....0.4 lbs <b>Color:</b> .....Black <b>MBS:</b> .....30 kN (6744 lbf) <b>Height:</b> .....0.50" (1.3 cm) <b>Width:</b> .....4.11" (10.4 cm) <b>Length:</b> .....4.88" (12.4 cm) <b>Weight:</b> .....5.7 oz (161 g)	<b>SM230510</b> 
<b>Articulating Foot</b> The new Articulating Foot swivels on a stainless steel ball. For extreme wide leg angles, the foot can rotate 90 degrees to the flat position.	<ul style="list-style-type: none"> <li>Rubber pad allows use on surfaces such as concrete</li> <li>Foot may be attached to a surface with screws, bolts, or spikes</li> <li>Foot may be lashed or clipped to other objects using three large holes</li> </ul>	<b>Weight:</b> .....1.05 lbs <b>Color:</b> .....Black <b>MBS:</b> .....30 kN (6744 lbf) <b>Height:</b> .....4.40" (11.2 cm) <b>Width:</b> .....3.96" (10.1 cm) <b>Length:</b> .....3.96" (10.1 cm) <b>Weight:</b> .....1.02 lbs (460 g)	<b>SM230530</b> 
<b>Modular Adaptor</b> The Orange Mid-Tube is the part you'll need to extend the lazy leg of the TerrAdaptor™ to maximize its length. You will also need additional Leg Coupling Pins (SM230301).	<ul style="list-style-type: none"> <li>Fully compatible with the existing TerrAdaptor™ leg tubes</li> <li>Tighter fit with the existing grey and orange TerrAdaptor™ leg tubes</li> <li>Rotates in 45 degree increments to achieve the best foot placement</li> </ul>	<b>Weight:</b> .....0.85 lbs <b>Color:</b> .....Black <b>MBS:</b> .....30 kN (6744 lbf) <b>Height:</b> .....2.50" (6.4 cm) <b>Width:</b> .....2.50" (6.4 cm) <b>Length:</b> .....4.70" (11.9 cm) <b>Weight:</b> .....10.7 oz (302 g)	<b>SM230540</b> 
<b>TerrAdaptor™ Standard Winch Bracket</b> The new Standard Winch Bracket is pre-tapped for mounting most Tractel and DBI/Sala cable work winches. In addition, other cable or rope winch models can be mounted per the manufacturer's instructions. It may be mounted on any grey leg tube section on the TerrAdaptor™.	<ul style="list-style-type: none"> <li>Clip points are included for use of progress capture devices</li> <li>Anodized Aluminum</li> </ul>	<b>Weight:</b> .....3.5 lbs <b>Color:</b> .....Black <b>MBS:</b> .....30 kN (6744 lbf) <b>Height:</b> .....2.40" (6.1 cm) <b>Width:</b> .....3.50" (8.9 cm) <b>Length:</b> .....11.25" (28.6 cm) <b>Weight:</b> .....3.06 lbs (1.379 kg)	<b>SM230550</b> 
<b>TerrAdaptor™ Capstan Winch Bracket</b> The new Capstan Winch Bracket is designed for use with the Harken 40.2ST Capstan Winch. This bracket is predrilled and includes all hardware for mounting the Capstan. It may be mounted on any grey leg tube section on the TerrAdaptor™.	<ul style="list-style-type: none"> <li>Stainless rope guide ensures rope enters capstan at the correct angle</li> <li>Clip points are included for use of progress capture devices</li> <li>Anodized Aluminum</li> </ul>	<b>Weight:</b> .....4.45 lbs <b>Color:</b> .....Black <b>MBS:</b> .....30 kN (6744 lbf) <b>Height:</b> .....2.40" (6.1 cm) <b>Width:</b> .....5.90" (15.0 cm) <b>Length:</b> .....11.25" (28.6 cm) <b>Weight:</b> .....3.55 lbs (1.610 kg)	<b>SM230551</b> 



Content	Key Features	Technical Characteristics	SKU
<b>SKED® EVAC Tripod</b> The small head and extra-long aluminum legs make this tripod the perfect choice for simplicity and performance. When fully extended, the head is ten feet high and the tripod can support a load up to 5280 lbf. The load capacity increases as the leg extension is reduced. <b>COMPLIANT: EN 795, CE</b>	<ul style="list-style-type: none"><li>Legs are adjustable in 5" increments</li><li>Tripod legs are secured with chains to prevent them from spreading under load</li><li>3 anchor points</li><li>Winches and other attachments available</li><li>Fully extended height of 10 ft at the anchor</li></ul>	<b>Weight:</b> .....74 lbs <b>Weight:</b> .....71.00 lbs (32.200 kg)	<b>SK700</b> 
<b>SKED® EVAC Tripod Case</b> Vinyl transport bag for storing and carrying your SKED-EVAC® Tripod (SK700) . The Skedco SKED-EVAC® Tripod Storage Bag features heavy duty vinyl-coated nylon material and an extra long zipper along its full length and across its ends to facilitate easy repackaging. It has a pocket inside in the center to store the bag of chain which comes with the tripod, preventing the chain from sliding to one end when the tripod is carried. There are handles in the center and on each end of the bag. This bag has a 9" diameter and a 7'1" length, and will make nearly any brand of tripod easier to carry. <b>COMPLIANT: EN 795, CE</b>	<ul style="list-style-type: none"><li>Legs are adjustable in 5" increments</li><li>Tripod legs are secured with chains to prevent them from spreading under load</li><li>3 anchor points</li><li>Winches and other attachments available</li><li>Fully extended height of 10 ft at the anchor</li></ul>	<b>Weight:</b> .....3.1 lbs <b>Weight:</b> .....4.00 lbs (1.810 kg)	<b>SK701</b> 
<b>Vector Load Management System</b> The Vector Edge and Load Management System has been designed and engineered as a light-weight, portable tool for use in industrial, mountain and urban rescue environments. When combined with high strength - low stretch cord, quality lifesafety rope, lightweight pulleys and carabiners, the Vector provides rescuers with a versatile resource which can reduce risk and go virtually anywhere.		<b>Weight:</b> .....4.2 lbs <b>Length:</b> .....37.74" (96.3 cm) <b>Weight:</b> .....3.04 lbs (1.380 kg) <b>Material:</b> ....Aerospace-grade Aluminum	<b>SM290010</b> 

Rope

Webbing and Cordage

Personal Gear

Hardware

Solutions and Kits

Patient Care

Logistics and Support Gear

Training and Education



PMI® Rescue Cache Autolock Pro

KT36179



# SOLUTIONS AND KITS

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PMI offers complete pre-packaged solutions for Rescue at Height, Rope Access, and Fall Arrest. We take the guess work out of a situation and streamline your rescue and work life. Pre-packaged kits for Hauling, Emergency Bailout, and Personal Escape are also available to accommodate your needs.

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## Rescue and Evacuation Systems

All safety systems for work at height should include a plan for rescue. PMI Solutions offer a complete, ready-to-go kit for rescue in any industry or work situation.

The following criteria should be applied when evaluating a rescue system:

- 1) Rescuers should not be part of the anchor system.
- 2) In case of operator panic, the lowering or raising device must be "fail-safe".
- 3) Systems should be simple to deploy and operate.
- 4) Subject attachment should be secure.
- 5) Additional parts are not necessary for rope devices when changing from one mode of operation to another

## Work at Height Solutions

Many work at height projects involve descending, ascending, horizontal traverses, or moving heavy equipment. Each of the PMI Solutions are ready to use, easy to adjust, and compatible with other equipment.

The following criteria should be applied when evaluating work at height systems:

- 1) Solution must include the required pieces for the job.
- 2) Each component must be compatible with other system components.
- 3) Solutions should be simple to operate and deploy.
- 4) Equipment attachment should be easy and effective.
- 5) Proper training (find out more at [www.verticalrescuesolutions.com](http://www.verticalrescuesolutions.com)).



## Beal – Air Kit

Specific kit to create a mobile fall arrest system (EN 353-2 and EN12841-A 100 Kg) especially adapted to vertical work or work on inclined surfaces.

### Kit Includes:

- A MONITOR mobile fall arrest device.
- A MOBILE-LANYARD with 2 positions: 20 cm and 40 cm.
- 2 O'LIGHT 3-MATIC connectors to attach the lanyard to both the MONITOR and the harness.
- Connectors: two O'LIGHT 3-MATIC and one BE LOCK 3-MATIC.
- A length of rope 10 m / 15 m / 20 m / 30 m / 50 m / 60 m with a 11 mm diameter with sewn termination protected by a reinforced eye.
- 1 BE-LOCK 3-MATIC connector to attach the rope to the anchor point.

### Key Features:

- Removable cover allows the inspection of termination stitches.
- Products marked with a unique serial number and equipped with a label to accommodate personal markings as well as a QR code to assist traceability.

**Weight:**..... 3.999 lbs

**BPAIRBL015K**



## G.E.T. Grain Evacuation Tool

PMI's new Grain Evacuation Tool – the GET Coffer Dam Solution, is a complete rescue solution designed and manufactured by Montezuma Rescue Innovations. The GET is made up of six interlocking aluminum panels used to form a circle and isolate an entrapped person from the grain surrounding them. Included in the solution is the Grain Portr - a revolutionary tool used to quickly remove the grain inside the GET, thereby freeing the subject from the grain. Also included are probe poles that make a target ring surrounding the subject to accurately position the GET panels.

### Key Features:

- Interlocking panels fit through the smaller openings found in the top of older style grain bins
- The GET contains two foot straps to help drive the panels into the grain
- The Grain Portr grain removal device can quickly remove grain inside the GET Coffer Dam
- Probes convert into a target ring to position the GET around the subject
- The GET solution fits into a compact package for storage, or lowering into a grain elevator or bin

**Weight:**..... 143 lbs

**Height:** ..... 3.0" (7.6 cm)

**Length:** ..... 59.75" (151.8 cm)

**Width:** ..... 15.50" (39.4 cm)

**Weight:**..... 89.0 lbs (40.370 kg)

**PE42191**



## PMW URGENT ESCAPE KIT

Featuring multi-purpose PMW Escape Hooks, this kit is designed for fast egress in a true emergency. Risks associated with getting hung-up or stuck during descent are eliminated, as there is no autolocking descender. Kit includes carry bag, rope, autolocking carabiner, and two hooks – one large and one small. Either hook may be used as an anchor, and either hook may be used as a friction brake for descent or lowering. This is the most versatile personal escape kit available. Choose from two models: Urgent Escape Kit includes force-absorbing nylon rope while the Hot Urgent Escape Kit features PMI Element Technora Rope. Proper training required before use.

### Key Features:

- Made in the USA Multi-purpose system
- \* Custom Rope Lengths Available

### URGENT

#### Kit Includes:

- 50' PER Nylon Rope
- SMC Kinetic Carabiner
- PMW Hook – Small
- PMW Hook – Large

**KT36185**



### HOT URGENT

#### Kit Includes:

- 50' Element Technora Rope
- SMC Kinetic Carabiner
- PMW Hook – Small
- PMW Hook – Large

**KT36186**

## Grain Portr

The Grain Portr works with any style cofferdam. Allows the rescuer to quickly remove grain from inside the cofferdam, thereby freeing the subject. Requires no electrical power. Very compact and lightweight making it ideal for use in a confined space such as a grain bin. No participation from the patient is required as it is when using buckets. Removes grain faster than a typical vacuum and creates very little dust, especially inside the cofferdam.

### Key Features:

- Made from Aluminum
- Works with any Cofferdam
- Compact
- Lightweight

**Weight:**..... 7.6 lbs

**Height:** ..... 4.0" (10.2 cm)

**Length:** ..... 54.0" (137.2 cm)

**Width:** ..... 8.50" (21.6 cm)

**Weight:**..... 7.40 lbs (3.357 kg)

**PE42192**





## PMI® Ladder Rescue system 18ft ladder including belay

PMI®'s Ladder Rescue Kit is designed for rescuing a worker in the event of a fall with minimal prior rescue training. The system is simple to deploy using the existing or a temporary anchor point. The Rescue Ladder System allows the victim to climb efficiently and safely with the added safety of the rope grab system. The PMI® Ladder Rescue Kit is equipped with a fast drop in 18' foot ladder with a locking ANSI steel carabiner for quick attachment. The added rope grab system allows the victim to climb efficiently and safely reducing the risk of a secondary fall. The fast drop in system features a simple but rugged roll top bag with reflective lettering. This highly visible bag makes this rescue ladder easy to find in emergency situations.

### Kit Includes:

- Progress Capture Pulley (Belay Device)
- 2" Heavy Duty Black Nylon Webbing Ladder
- Aluminum bar rungs sewn into heavy duty black webbing
- Static 11 mm nylon rope
- ClimbTech ANSI Steel Carabiner
- Ballistic nylon deployment bag

**Weight:**..... 10.6 lbs

KT36164



## PMI® Rescue Cache Pro

The PMI Rescue Cache Pro saves the professional rope rescuer the hassle of assembling components for a basic high angle rope rescue system. Featuring the SMC NFPA Brake Rack for the lowering component, this kit is packed into a custom bag for both easier storage and quick deployment. Rope not included.

### Kit Includes:

- 1 – Bag with backpack straps
- 2 – 3 ft Supermantles
- 1 – SMC Flex
- 2 – 20 ft of 1" Tubular Webbing
- 2 – 6 ft PMI Anchor Slings
- 1 – Large PMI Rope Pad
- 5 – SMC 2" PMP Single Pulleys
- 2 – Radium Release Hitch Kits
- 16 – SMC FP Lite Alloy Carabiners
- 5 – 20" Sewn Prusik Cord Loops
- 1 – 26" Sewn Prusik Cord Loop
- 1 – SMC NFPA Straight Eye Rack Assembly
- 1 – SMC NFPA Rigging Plate
- 1 – SMC Oval Carabiner
- 5 – SMC Swivels

**Height:** ..... 6.50"  
(16.5 cm)

**Length:** ..... 20.50"  
(52.1 cm)

**Width:** ..... 15.50"  
(39.4 cm)

**Weight:** ..... 32.50 lbs  
(14.742 kg)

KT36178



## Highline Cache Pro

Rigging a highline is easier when all the gear you need is in one place. This Highline Cache conveniently packages essential components into one easy-to-carry bag, complete with backpack straps and a fold-out ground cloth.

### Kit Includes:

- PMI highline bag
- 4 SMC 2" aluminum pulleys,
- 1 SMC 3" single pmp
- 1 SMC kootenay knot passing pulley
- 14 SMC locking D carabiners
- 1 CE quick up Ascender – right
- 1 SMC rigging plate
- 1 SMC/ra figure 8 w/ears
- 8 mm green sewn prusik 2.5" and 8 mm red sewn prusik
- 3" accessory cord 3 mm
- Tubular webbing – orange
- 16 yards 1" nylon tubular webbing – fl. green

KT36183



## PMI® Rescue Cache Autolock Pro

Featuring the NFPA 1983 G Rated PMI/ISC Autolocking D5 descender for use with 12.5 mm (1/2") rope (not included), the Rescue Cache Autolock Pro Kit is optimized for the most up-to-date twin-tensioned rope rescue techniques. All the gear you need to effect a high angle rescue are included in this custom made bag for easy storage and deployment.

### Kit Includes:

- 1 – Bag with backpack straps
- 2 – PMI® D5 by ISC
- 2 – 3 ft Supermantles
- 1 – SMC Flex
- 2 – 20 ft of 1" Tubular Webbing
- 2 – 6 ft PMI Anchor Slings
- 1 – Large PMI Rope Pad
- 3 – SMC 2" PMP Single Pulleys
- 1 – SMC 2" PMP Double Pulley
- 9 – SMC FP Lite Alloy Carabiners
- 2 – 20" Sewn Prusik Cord Loops
- 4 – SMC Swivels

**Height:** ..... 6.50"  
(16.5 cm)

**Length:** ..... 20.50"  
(52.1 cm)

**Width:** ..... 15.50"  
(39.4 cm)

**Weight:** ..... 25.0 lbs  
(11.340 kg)

KT36179





## PMI® SMC Advance Tech Haul System

The new PMI Advance Tech HX Haul System provides an extremely strong and versatile haul system. Weighing around 3 pounds, this kit is pre-rigged as either a 4:1 or 5:1 mechanical advantage system. Just flip the kit end to end for either advantage as needed. Also included are two SMC Lite Steel carabiners, a 5 mm oval screw link, and a PMI accessory cord lanyard which releases or sets the progress capture cam. This entire kit comes in a compact storage bag and is everything you need to quickly deploy a strong mechanical advantage system.

**BERRY COMPLIANT**

### Key Features:

- Pre-rigged system provides either a 4:1 or 5:1 mechanical advantage
- Built-in progress capture system
- Features the SMC Advance Tech HX and Tech Mate pulleys
- Both pulleys made from high quality anodized aluminum
- Kit includes 10 meters of 9 mm PMI Classic Professional EZbend rope
- Pulleys can accommodate rope diameters from 7 mm to 12.5 mm

**Weight:**..... 3.15 lbs

**Weight:**..... 3.15 lbs (1.430 kg)

**KT36158**



## PMI® FP Lite Haul System

If regulatory compliance is a priority, choose this super compact haul system with autolocking ANSI rated connectors features that are designed to meet OSHA regulations. System is completely prerigged and ready for use, offering a 4:1 mechanical advantage in one configuration and a 5:1 mechanical advantage in the other.

**BERRY COMPLIANT**

### Kit Includes:

- 1 SMC JR Pulley and 1 SMC JRB Pulley
- 2 SMC FP Lite Alloy Carabiners
- 10 m, 7 mm Tuff Cord
- 1 m, 5 mm Accessory Cord
- One 5 mm Oval Screw Link
- 1 Storage Bag (Blue)

**Weight:**..... 2.875 lbs (1,305 g)

**KT36159**



## PMI Deluxe Haul System

Compact and strong, this pre-rigged haul system can be rigged as a 4:1 or 5:1; just flip it end to end. The end of the PMI® 9 mm EZ-Bend is attached to the system instead of free floating.

**BERRY COMPLIANT**

### Kit Includes:

- 2 SMC Mini PMP Pulleys
- 2 SMC Lite Steel Carabiners
- 10 m, 9 mm EZ-Bend
- 2 m, 6 mm Accessory Cord
- One 5 mm Oval Screw Link
- 1 Storage Bag (Blue)

**Weight:**..... 3.15 lbs

**Weight:**..... 3.10 lbs (1.400 kg)

**KT36077**



## PMI JR Haul System

The same haul advantage as the Deluxe system, but in a lighter package. The pre rigged 4:1 or 5:1 haul system come with SMC's new JRB mini pulleys.

**BERRY COMPLIANT**

### Kit Includes:

- 1 SMC JR Pulley and 1 SMC JRB Pulley
- 2 SMC Aluminum Carabiners
- 10 m, 7 mm Tuff Cord
- 1 m, 5 mm Accessory Cord
- One 5 mm Oval Screw Link
- 1 Storage Bag (Blue)

**Weight:**..... 2.35 lbs

**Weight:**..... 1.85 lbs (840 g)

**KT36128**





## PMI® Fall-Tek Rescue Solution

Rescuing a fallen and suspended coworker from their fall protection without putting the rescuer in harm's way can be a real challenge. But with the PMI® Fall-Tek Rescue Solution, a non-committal coworker rescue can be safely accomplished by using a telescoping pole to hook the suspended worker and then raise or lower them to safety. The Fall-Tek is rescue-ready and pre-rigged with ANSI compliant ropes and hardware- thereby eliminating the time spent on tying knots or setting up a complicated rigging system. Training on the PMI Fall-Tek Rescue Solution is strongly recommended. So whether you work at height in construction or general industry, this PMI Rescue Solution is for you!

### Kit Includes:

- 11 mm PMI® Extreme Pro Rope (25 m, 50 m, 66 m, or 100 m)
- 1 – 1m PMI® Wire Rope Sling
- 1 – heightec® Hurricane Pro™
- 1 – PMI® D4 by ISC
- 1 – 8" Hastings Pole with SureClip
- 1 – Casualty Attachment Sling
- 5 – SMC FP Lite Alloy Carabiners
- 1 – Pair of Rescue Shears
- 1 – CT Quick-Up Handled Ascender, Right Handed
- 1 – Carrying Bag

**Weight:**..... 34.6 lbs

**Length:**..... 100 m, 25 m, 50 m, 66 m

Training kit 25 m

**KT36168**

50 m **KT36169**

66 m **KT36170**

100 m **KT36175**



## 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.

### Kit Includes:

- 11 mm PMI® Extreme Pro Rope (25 m, 66 m, or 100 m)
- 1 – 1m PMI® Wire Rope Sling
- 1 – PMI® D4 by ISC
- 1 – PMI® Advantage Helmet
- 1 – PMI® Hasty X Evacuation Seat
- 2 – SMC FP Lite Alloy Carabiner
- 1 – SMC ANSI Safety Lock Carabiner
- 1 – Carrying Bag

**Weight:**..... 31.6 lbs

**Length:**..... 25 m, 66 m, 100 m

25 m **KT36176**

66 m **KT36166**

100 m **KT36174**



## PMI® Tower-Tek Rescue Solution

PMI®'s Tower-Tek Rescue Solution is a tried and true, "plug-and-play" rescue solution designed and built to meet the demanding rescue needs of tower workers. Whether you need to perform self-rescue, tower-based coworker rescue, ground based coworker rescue or a pickoff rescue, the Tower-Tek gets the job done. Using ANSI compliant components, the Tower-Tek stresses a common sense approach to the complicated problem of tower rescue. As with any life safety or rescue equipment, proper training and documented refresher training on the PMI Tower-Tek Rescue Solution is strongly recommended.

### Key Features:

- 11 mm PMI® Extreme Pro Rope (25m, 100m or 122m)
- 1 – 1m PMI® Wire Rope Sling
- 1 – heightec® Hurricane Pro™
- 1 – PMI® D4 by ISC
- 1 – 2" SMC/RA Stainless Steel Pulley
- 1 – Casualty Attachment Sling
- 5 – SMC FP Lite Alloy Carabiners
- 1 – Pair of Rescue Shears
- 1 – Carrying Bag

**Weight:**..... 15.4 lbs

**Length:**..... 25 m, 100 m, 122 m

25 m **KT36171**

100 m **KT36172**

122 m **KT36173**





## Flexible Sided Ladders 6 Aluminum Rungs, 4 mm Galvanized Cable

Flexible sided ladders are a cost effective, lightweight solution for temporary access to confined spaces and difficult to reach locations. Even with minimal training, ladders can easily be transported and rapidly deployed for use. Personnel utilizing ladders should always use a separate fall protection system for safety.

**Construction:** The rungs are hollow tubes with a dowel insert. Rungs are secured to the side wire ropes with pins and resin. A pin is driven through the center of the rope into the dowel and set in resin to form a solid block inside the rung. A plastic cap is then pushed in to seal the rung end. Black rungs are cut to size and drilled before treatment to ensure that the alloy tube is 100% anodized.

**Compact Ladders:** General purpose ladder for ascending/descending. Used for applications such as manhole entry, caving, and access to lighting truss. With fitness and a little practice, they are easy to climb.

### Key Features:

- Standard lengths are 5 m and 10 m
- Other lengths made to order
- Can be connected together for longer lengths
- Easy to carry and store
- Swaged eye ends
- Accessories available
- Two rung spacing options
- Rungs are 6.0" wide
- Aluminum rungs are 0.50" Diameter
- Requires a separate fall protection system

**Weight:**..... 2.86 lbs

**Length:**..... 10 m long w/ 25 cm Rung Spacing,  
w/ 25 cm Rung Spacing

**Size:**..... 6"

**Weight:**..... 2.87 lbs (1.300 kg), 5.73 lbs (2.600 kg)

w/25cm rung spacing **LD39001**

10 meters long w/25cm rung spacing **LD39003**



## Flexible Sided Ladder 6 Aluminum Rungs, 3 mm Galvanized Cable

Flexible sided ladders are a cost effective, lightweight solution for temporary access to confined spaces and difficult to reach locations. Even with minimal training, ladders can easily be transported and rapidly deployed for use. Personnel utilizing ladders should always use a separate fall protection system for safety.

**Construction:** The rungs are hollow tubes with a dowel insert. Rungs are secured to the side wire ropes with pins and resin. A pin is driven through the center of the rope into the dowel and set in resin to form a solid block inside the rung. A plastic cap is then pushed in to seal the rung end. Black rungs are cut to size and drilled before treatment to ensure that the alloy tube is 100% anodized.

**Compact Ladders:** General purpose ladder for ascending/descending. Used for applications such as manhole entry, caving, and access to lighting truss. With fitness and a little practice, they are easy to climb.

### Key Features:

- Standard lengths are 5 m and 10 m
- Other lengths made to order
- Can be connected together for longer lengths
- Easy to carry and store
- Swaged eye ends
- Accessories available
- Two rung spacing options
- Rungs are 6.0" wide
- Aluminum rungs are 0.50" Diameter
- Requires a separate fall protection system

**Weight:**..... 3.96 lbs

**Length:**..... 10 m long w/ 30 cm Rung Spacing

**Size:**..... 6"

**Weight:**..... 3.97 lbs (1.800 kg)

**LD39008**





## Flexible Ladder Y-Spreader

Used when you need to attach a flexible ladder to a single attachment point.

**Weight:**..... 0.348 lbs

**Weight:**..... 3.97 lbs (1.800 kg)

LD39009



## Flexible Ladder Rapid Deployment Pouch

Keeps ladder neatly rolled ready for easy deployment.

The LADDER POUCH allows a pre-anchored flexible wire ladder to be stored at the point of use ready for immediate deployment. In use, the pouch is secured to the main anchor and covers the ladder Y spreader, preventing accidental contact with this critical connection. The anchored ladder is held rolled up and is easily released for deployment via either press stud or buckle closures. The pouch may also be used to contain a rolled ladder for transport, reducing the risk of tangles which delay work and can cause damage to the ladder.

**Weight:**..... 0.501 lbs

LD39033



## Flexible Ladder 10.5 Aluminum Rungs, 4 mm Galvanized Cable

flexible sided ladders are a cost effective, lightweight solution for temporary access to confined spaces and difficult to reach locations. Even with minimal training, ladders can easily be transported and rapidly deployed for use. Personnel utilizing ladders should always use a separate fall protection system for safety.

**Construction:** The rungs are hollow tubes with a dowel insert. Rungs are secured to the side wire ropes with pins and resin. A pin is driven through the center of the rope into the dowel and set in resin to form a solid block inside the rung. A plastic cap is then pushed in to seal the rung end. Black rungs are cut to size and drilled before treatment to ensure that the alloy tube is 100% anodized.

**Compact Ladders:** General purpose ladder for ascending/descending. Used for applications such as manhole entry, caving, and access to lighting truss. With fitness and a little practice, they are easy to climb.

### Key Features:

- Useful for work positioning
- Wide enough to fit both feet side by side
- Larger diameter rungs are more comfortable to stand on for long periods of time
- Used for applications such as cleaning, inspection, and vessel entry
- Rungs are 10.6" wide
- Aluminum rungs are 1" Diameter
- GRP rungs are 1.3" diameter

**Weight:**..... 1.33 lbs

**Length:**..... 1 m

**Rung Spacing:**.. 25 cm, 30 cm

LD39046





## Fibrelight Ladder

Wide enough for a single foot, these lightweight polyester webbing ladders feature cloth covered carbon fiber rungs 30cm apart, and make virtually no noise when deployed. Suitable for lightweight use only (maximum rated load 120kg). Stainless Steel Delta screw link included.

### Key Features:

- Easy to rig
- Compact for easy storage
- Non metallic ladder – no parts to corrode
- Complete with bag and stainless steel connector
- Lightweight
- 30 cm rung spacing

**Weight:**..... 2.6 lbs

**Size:** ..... 10 m (33') x 30 cm (12')

**Rung Spacing:**.. 15 m (49') x 30 cm (12')

20 m (66') x 30 cm (12')

5 m (16.5') x 30 cm (12') Rung

**Spacing Weight:** 2.875 lbs (1,305 g)

10m x 30cm 5.19 lbs (2.345 kg)

15m x 30cm 7.75 lbs (3.524 kg)

20m x 30cm 10.31 lbs (4.690 kg)

5 m (16.5') x 30 cm (12') Rung Spacing

**LD39053**

10 m (33') x 30 cm (12') Rung Spacing

**LD39054**

15 m (49') x 30 cm (12') Rung Spacing

**LD39055**

20 m (66') x 30 cm (12') Rung Spacing

**LD39056**



## Flexible Ladder 6 Black Rungs, 4 mm SS Cable

Flexible sided ladders are a cost effective, lightweight solution for temporary access to confined spaces and difficult to reach locations. Even with minimal training, ladders can easily be transported and rapidly deployed for use. Personnel utilizing ladders should always use a separate fall protection system for safety.

**Construction:** The rungs are hollow tubes with a dowel insert. Rungs are secured to the side wire ropes with pins and resin. A pin is driven through the center of the rope into the dowel and set in resin to form a solid block inside the rung. A plastic cap is then pushed in to seal the rung end. Black rungs are cut to size and drilled before treatment to ensure that the alloy tube is 100% anodized.

**Compact Ladders :** General purpose ladder for ascending/descending. Used for applications such as manhole entry, caving, and access to lighting truss. With fitness and a little practice, they are easy to climb.

### Key Features:

- Standard lengths are 5 m and 10 m
- Other lengths made to order
- Can be connected together for longer lengths
- Easy to carry and store
- Swaged eye ends
- Accessories available
- Two rung spacing options
- Rungs are 6.0" wide
- Aluminum rungs are 0.50" Diameter
- Requires a separate fall protection system

**Weight:**..... 2.65 lbs

**Length:**..... 10 m long w/ 25 cm

**Rung Spacing:**.. 5 m long w/ 30 cm

**Rung Spacing:**.. Size 6" Black Rungs

**Weight:**..... 2.65 lbs (1.200 kg), 5.73 lbs (2.600 kg)

10 m long w/ 25 cm Rung Spacing

**LD39043**

5 m long w/ 30 cm Rung Spacing

**LD39042**





## Flexible Ladder 10.5 FRP Rungs, Polyester

### Rope - 30 cm Rung Spacing, Per Meter

Flexible sided ladders are a cost effective, lightweight solution for temporary access to confined spaces and difficult to reach locations. Even with minimal training, ladders can easily be transported and rapidly deployed for use. Personnel utilizing ladders should always use a separate fall protection system for safety. Construction: The rungs are hollow tubes with a dowel insert. Rungs are secured to the side wire ropes with pins and resin. A pin is driven through the center of the rope into the dowel and set in resin to form a solid block inside the rung. A plastic cap is then pushed in to seal the rung end. Black rungs are cut to size and drilled before treatment to ensure that the alloy tube is 100% anodized. Compact Ladders General purpose ladder for ascending/descending. Used for applications such as manhole entry, caving, and access to lighting truss. With fitness and a little practice, they are easy to climb.

#### Key Features:

- Useful for work positioning
- Wide enough to fit both feet side by side
- Larger diameter rungs are more comfortable to stand on for long periods of time
- Used for applications such as cleaning, inspection, and vessel entry
- Rungs are 10.6" wide
- Aluminum rungs are 1" Diameter
- GRP rungs are 1.3" diameter

**Weight:**..... 1.97 lbs

**LD39052**





Cascade Advance Series Model 200 MAX  
- Carbon/Titanium - 2 piece

PE42196



# PATIENT CARE

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At the core of every rescue is patient care. As a rescuer, you take seriously your responsibility to assist the people who need your help. PMI understands the determination that drives you. That's why we work hand in hand with our friends at Cascade and Skedco to bring you gear that is designed with your safety, and the safety of others, always at the forefront.

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## PMI® Hasty X Evacuation Seat

The PMI® Hasty X Evacuation Seat™ is intended for use as an evacuation and extrication device. It is a full two pounds lighter than the previous version of the PMI® Hasty Harness. This evacuation seat is designed for use as a quick, efficient and easy to use device for evacuation when other harnesses are not available and a rapid evacuation time is essential. It is also used as an extrication seat for attaching to a subject when a separate extrication system is needed that can easily go over bulky clothing or equipment. The strategic cutout of material for the lower area has dual straps versus a single strap between the legs that provides a comfortable and secure fit for most body sizes. Make sure to have the PMI® Hasty X Evacuation Seat™ for any hasty evacuation or extrication rescue situation!

**Weight:**..... 1.53 lbs (693 g)

**One Harness Size**

**with 2 Sizing:**.... 48" (large option)  
42" (small option)

SG51287



## PMI® Wrap Evac Harness

The new Wrap Evac allows you to completely secure your patient. A sliding head harness easily adjusts to different body sizes. Extremely versatile, the harness can even be used without the backboard for confined space in vertical or horizontal configurations.

### Key Features:

- Sliding head harness
- Removable backboard
- Heavyweight handles for carrying
- 4 quick connect straps
- Adjustable harness straps
- Detachable skid plate

PE42175



## LSP Miller Half Back

### Key Features:

- Leg straps for lower body support
- Head harness
- Six handles allow easy maneuvering
- Compatible with the LSP Miller Full Body Splint

### LSP Miller Half Back

**Weight:**..... 12.4

**Weight:**..... 12.20 lbs  
(5.530 kg)

PE42069



### Carry Bag for LSP Half Back

**Weight:**..... 1.25

**Weight:**..... 1.19 lbs  
(544 g)

PE42070

## PMI® AnExK9 Harness

### Key Features:

- Nylon Construction
- Holds Animal Securely
- No Spreader Required
- Adjustable 4-point strap system
- Removable Pack Straps

Small

**Weight:**..... 3.15 lb (1.429 kg)

SG51291



Medium

**Weight:**..... M 3.29 lbs (1.491 kg)

SG51292



Large

**Weight:**..... L 3.45 lbs (1.565 kg)

SG51293

## Oregon Spine Splint

**COMPLIANT: CE**

### Key Features:

- Can be re-configured to retract and immobilize the shoulders
- Easy access to the patient's chest and abdomen
- Use in place of a conventional short backboard
- Doubles as a hip or leg splint
- Collar strap
- Forehead restraint (with ten disposable covers)
- Head padding
- Carrying case
- Includes a Shoulder Board (not shown) to help prevent shoulder compression when using a Sked® litter

**Weight:**..... 10.5

**Weight:**..... 10.10 lbs (4.600 kg)

SK300



## Vertical Lift Strap Assembly for LSP Half

The LSP Vertical Lift Strap Assembly provides for two- or three-point vertical lifting and is designed to be used in conjunction with the LSP Half Back and the Miller Full Body Splint/Litter. It meets all ANSI and military standards for vertical lifting with a 6,000 pound load capacity.

### Key Features:

- Chest straps
- Head harness
- Unique shoulder strap design
- Hook and loop straps allow rapid immobilization of a patient

**Weight:**..... 2 lbs

**Height:** ..... 3.75" (9.5 cm)

**Width:** ..... 14.00" (35.6 cm)

**Length:** ..... 65.50" (166.4 cm)

**Weight:**..... 1.94 lbs (888 g)

PE42071



## LSP Miller Full Body Splint

### Key Features:

- Chest straps
- Head harness
- Unique shoulder strap design
- Hook and loop straps allow rapid immobilization of a patient

**Height:** ..... 3.75" (9.5 cm)

**Width:** ..... 14.00" (35.6 cm)

**Length:** ..... 65.50" (166.4 cm)

**Weight:** ..... 15.00 lbs (6.810 kg)

PE42067



## Skedco Complete Rescue System

The original and still the best solution for confined space, high angle or technical rescue, and traditional land based applications, the Sked stretcher is a revolutionary design which provides outstanding patient protection and security. Skedco now has the Austrian made Skedco/COBRA® side release buckles that are dependable and strong enough to meet the needs of securing a patient into a Sked® stretcher without the danger of breakage. These buckles are rated at 3,000 pounds. They are durable and easy to use. When they are under tension they are very hard to release thus accidental release under tension is not an issue. With these buckles you will no longer have to weave the webbing through the original steel buckles when packaging a patient. Patient packaging is often done in about half of the time as when using the original steel buckles. When the patient is packaged the stretcher becomes rigid. The durable plastic provides protection for the patient while allowing extrication through the most demanding confined spaces. The stretcher is rolled for storage in a tough cordura backpack. (NOT INCLUDED WITH SK-201-OR AND SK-201C-OR) The stretcher is fabricated from a special plastic formula which is both flexible and durable. Securing straps with steel buckles are sewn into the stretcher through brass grommets which contribute to the strength and durability

**Weight:** ..... 49.9

**Color:** ..... Orange

SK800OR



## LSP XTRA Backboard

The Miller Board is a versatile spinal immobilization board and litter that comes complete with a full head and body harness. The harness system allows the patient to be rotated for airway management or to facilitate a difficult rescue without jeopardizing spinal alignment. The Miller board is constructed of high visibility yellow resin and has an x-ray translucent foam core. The Miller Board can be used to extricate the patient, and then tie the board into a litter for the evacuation.

### Key Features:

- Made from high-density polymer
- Floats up to a 200 lb. person
- Maximum weight capacity 500 lbs
- Works with all head immobilizers and strapping systems
- Very lightweight at 15.25 lbs

**Weight:** ..... 17.25

**Material:** ..... High-density polymer

**Dimensions:** ..... 16" x 72" x 1.85"  
(40.6 cm x 183 cm x 4.7 cm)

**Patient Load Recommendation:** 500 lbs. (227 kg)

PE42193



## SKED® Basic Rescue System with Cobra Buckle

This patented backboard has been designed to provide 100% x-ray translucence while maintaining the necessary rigidity to protect the patient from further injury during transport. A fully sealed one-piece construction makes it fluid resistant while the HDPE surface allows for easy cleaning and disinfecting. Fits into any standard ambulance compartment. Easy to carry with 18 large hand holds. The XTRA also has high buoyancy for use in water rescues.

### COMPLIANT: CE

- Skedco/Cobra buckles rated at 3,000 lbs
- Durable plastic provides patient protection
- Stretcher rolls up for storage in a tough Cordura® backpack
- Also includes: Horizontal Lift Slings, Tow Strap, Removable Webbing Handles, Steel Locking D Carabiner, and a Vertical Lift Sling

**Weight:** ..... 18.45

**Color:** ..... Orange

**Width:** ..... 36.00" (91.4 cm)

**Length:** ..... 96.00" (243.8 cm)

**Bag Dimensions:** 8" x 8" x 37"

SK200COR





## SKED® Basic Rescue System

A complete solution for confined space, high angle, technical rescue, and traditional land based applications. The durable plastic litter provides protection for the patient while allowing extrication through the most demanding confined spaces. The stretcher is rolled for storage in a tough Cordura® backpack (included). Sked® Stretcher becomes semi-rigid when wrapped around the patient.

### Key Features:

- System includes: Sked® Stretcher, Cordura® backpack/ towing harness, horizontal lift slings, 30 ft PMI vertical lift line, Steel Locking D Carabiner, 6 ft tow strap
- 4 built in handles

**Weight:**..... 18.3

**Color:** ..... Orange

**Width:**..... 36.00" (91.4 cm)

**Length:**..... 96.00" (243.8 cm)

**Bag Dimensions:** 8" x 8" x 37"

**SK2002**



## Half SKED® Patient Drag

Made from the same durable Sked® material, but only as half as long as the original Sked®. It allows patients to bend at the hips, providing greater flexibility in the most demanding and tight spaces. Not to be used as a hoisting or immobilization device.

### COMPLIANT: CE

- Perfect for tight spaces
- Allows greater flexibility
- 2" wide chest and leg straps with easy release buckles

**Weight:**..... 8.9

**Color:** ..... Orange

**SK220**



## HMH SKED® Rescue System w/strap kit

The HMH Sked® is designed for use in mass casualty incidents or Haz-Mat incidents. Patients can be rolled or dragged onto the HMH Sked® rather than lifted. This creates less rescuer fatigue and requires fewer rescuers to be exposed in the Hot Zone at a Haz-Mat incident. The HMH Sked® can be easily dragged by personnel wearing level A protection or even pulled by a rope connected outside the Hot Zone.

### COMPLIANT: CE

- No grommets to trap contaminants
- Stores flat in stacks of up to 200
- Ideal for use in mass casualty incidents
- Polypropylene straps are chemical resistant
- 2" Side release buckles
- Not for lifting patients

**Weight:**..... 13.3

**SK250**



## Skedco Stretcher

### with Cobra Buckle - Orange

The original and still the best solution for confined space, high angle or technical rescue, and traditional land based applications, the Skedco stretcher is a revolutionary design which provides outstanding patient protection and security.

Skedco now has the Austrian made Skedco/COBRA® side release buckles that are dependable and strong enough to meet the needs of securing a patient into a Sked® stretcher without the danger of breakage. These buckles are rated at 3,000 pounds. They are durable and easy to use. When they are under tension they are very hard to release thus accidental release under tension is not an issue. With these buckles you will no longer have to weave the webbing through the original steel buckles when packaging a patient. Patient packaging is often done in about half of the time as when using the original steel buckles.

When the patient is packaged the stretcher becomes rigid. The durable plastic provides protection for the patient while allowing extrication through the most demanding confined spaces. The stretcher is rolled for storage in a tough cordura backpack. (NOT INCLUDED WITH SK-201-OR AND SK-201C-OR)

The stretcher is fabricated from a special plastic formula which is both flexible and durable. Securing straps with steel buckles are sewn into the stretcher through brass grommets which contribute to the strength and durability.

### COMPLIANT: CE

### Key Features:

- Skedco/Cobra buckles rated at 3,000 lbs
- Durable plastic provides patient protection
- Stretcher rolls up for storage in a tough Cordura® backpack
- Also includes: Horizontal Lift Slings, Tow Strap, Removable Webbing Handles, Steel Locking D Carabiner, and a Vertical Lift Sling

**Weight:**..... 18 lbs

**Color:** ..... Orange

**Width:**..... 36.00" (91.4 cm)

**Length:**..... 96.00" (243.8 cm)

**Weight:**..... 19.00 lbs (8.620 kg)

**Bag Dimensions:** 8" x 8" x 37"

**SK201COR**





## Skedco HMH Sked Rescue System (large quantities on pallet)

Upgraded with stronger buckles!!! The HMH Sked is extremely versatile. It can be dragged over virtually any terrain including stairways. It requires less effort from rescuers wearing level A protection. Patients can be rolled or dragged onto the HMH Sked rather than lifting. This creates less rescuer fatigue and allows many more victims to be saved. A downed rescuer can be roll loaded by using his air tank for leverage and evacuated before the standby rescuers can zip up and be duct taped. This allows his rescue without committing the standby team. A rope is attached to the tow strap of the HMH Sked for towing out of the Hot Zone by rescuers at decon, which allows saving energy and precious air of the level A rescuer. This results in many more victims being saved. HMH Skeds can be stored and shipped on pallets of up to 200 per pallet. Pallets can be stacked 3 high for prolonged storage in a space of 8 ft x 3 ft x 7 ft high. Bagged strap sets store in moisture resistant boxes on top of the stack. Picture below shows 78 HMH Skeds in an eight inch height. Pallets can be sling loaded under helicopters or loaded onto light trucks for transport to the incident. Two people, one on each side of pallet can attach the straps. HMH Skeds are assembled in 1-2 minutes each. This is faster than they can be used. HMH Skeds can be rolled 1-4 per bundle for easy storage in compartments of rescue or fire apparatus. This allows for rapid use by units first on the scene. Emergency responses to Hazardous Materials incidents are not just dangerous. They are very complex, personnel, rich, and the equipment is very expensive. These factors greatly limit the numbers of non-ambulatory patients that can be removed from a contaminated zone. The introduction of the HMH Sked and newly developed tactics, even though in their infancy, have greater capabilities in fulfilling the rescue mission. These include, at the very least, the ability to rapidly (a word not often used in Haz-Mat operations) remove large numbers of patients and minimize the risk to rescuers. By using these creative new techniques and others being developed, the potential of this device is only limited by the creativity and expertise of the trainers and field personnel.

### Key Features:

- Drag handle at the head end for patient safety – with two plastic grips for use by two rescuers.
- Four cut-in plastic handles eliminate webbing and ensure a secure, safe lift.
- Flexible, medium-density polyethylene plastic – unbreakable at 120 degrees below zero. Does not absorb chemicals, making it easily decontaminable.
- Will fit on decon-conveyors for easy decontaminating, and handling of patients and litter.
- 8 ft. x 36 in. and only 11 lbs – easy to handle by rescuers wearing level "A" protection.
- Military-grade, 2 in. side release plastic buckles are non-corrosive, won't spark, and inexpensive to replace in the event of contamination.
- Polypropylene slings can be attached to drag HMH Skeds up and down stairways.
- When equipped with the Skyhook WMD Patient Evacuation System (SK-2520), as many as four rescuers in level "A" protection are able to work in the Hot Zone on a major incident.

SK250P



## Skedco Lift Sling Set (Pair)

A pair of 9,000 lb. tensile strength slings are provide for hoisting the Sked® stretcher with a helicopter or other haul system in a horizontal position.

**Weight:**..... 2 lbs

**SK203**



## SKED® Cobra Buckle Conversion Kit

A quick connect/quick release buckle for the Sked®. These Austrian-made buckles are rated at 3000 lbs. Durable and easy to use, yet when under tension accidental release is not an issue. In addition, patient packaging is fast because you do not need to weave the webbing through buckles. This retrofit kit fits the Sked® you already have.

### Key Features:

- Faster Patient Packaging
- Austrian-made
- Durable and Easy to Use

**Weight:**..... 2 lbs

**Color:** ..... Black

**MBS:** ..... Buckle – 13.3 kN  
(3000 lbf)



SK208C

## Skedco Rapid Deployment Flotation System - Orange

This unique system features a Sked® Stretcher pre-rigged for extremely rapid deployment into the water. Using CO2 inflatable float logs, this system can be in the water, ready to use in less than 30 seconds. A patient can be packaged and ready for retrieval in less than 30 seconds. The Rapid Deployment System, designed especially for Marine, Navy and Coast Guard use, puts the Sked® Stretcher together with the Sked® Inflatable Flotation System in a large custom duffel bag. The system is maintained fully rigged in the bag. When deploying the system the user simply unzips the duffel bag, triggers the CO2 cartridges, pulls two straps, and drops the ready to use system in the water

**Weight:**..... 36 lbs

**SK6500R**



## SKED® Foam Flotation Package

This self-righting flotation system maintains the Sked® in a nearly vertical position even in rough water. Two rigid foam side floats and an inflatable chest bladder provide buoyancy sufficient to support two rescuers in addition to the patient.

### Key Features:

- 15 lb foot ballast bag
- Available in Orange or Military Green
- Two rigid foam floats
- Inflatable chest bladder

**Weight:**..... 22.4

**Orange SK6000R**



## Cascade Professional Series Titanium

When the best possible combinations of high strength and light weight are your priority, choose a Cascade Titanium Litter. The most advanced features of any rescue litter available today. Saving 13 lbs over the stainless steel model, this litter is designed for the demanding professional.

**BERRY COMPLIANT**

**COMPLIANT: NFPA 1983 (2012)**

**Key Features:**

- Titanium frame
- 4 Articulating Lift Points
- 3/4" frame and supporting cross members and 3/8" secondary railing
- Tapered or rectangular shape
- One or two piece, two piece version uses the FastLock System
- Available with PMI® FAST installed
- Integral backboard
- UV resistant polyethylene mesh liner

**Weight:**..... 30

**Height:**..... 6.25" (16.0 cm)

**Width:**..... 25.50" (64.8 cm)

**Length:**..... 83.00" (211.0 cm)

**Weight:**..... 13.75 lbs (6.237 kg)

**Weight:**..... with PMI® FAST 17.75 lbs (8.051 kg)

**Style Tapered:**.. One Piece, Tapered Two Piece

Tapered One Piece PE42099

Tapered Two Piece PE42095



## Cascade Professional Series Stainless

Technically advanced and nearly indestructible, the Cascade Professional Litter is built with a stainless steel or steel body and cross members for the most extreme rescue conditions. This reasonably priced litter features a patient contour support which is molded and padded for patient comfort.

**BERRY COMPLIANT**

**COMPLIANT: NFPA 1983 (2017)**

**Key Features:**

- Stainless Steel Litter has 4 Articulating Lift Points
- 3/4" frame and supporting cross members and 3/8" secondary railing
- Powder coated
- Integral backboard
- UV resistant polyethylene mesh liner
- Tapered or rectangular shape
- One or two piece
- Two piece version uses the FastLock System
- Available with PMI® FAST installed

**Height:**..... 6.25" (16.0 cm)

**Width:**..... 25.50" (64.8 cm)

**Length:**..... 83.00" (211.0 cm)

**Material:**..... Steel

**Weight:**..... 31.00 lbs (14.061 kg)

**Weight:**..... with PMI® FAST 35.00 lbs (15.876 kg)

**1-piece, tapered**

**Weight:**..... 38.05  
PE42041

**1-piece litter, rectangular**  
**Weight:**..... 38 lbs  
PE42144



## Cascade Professional Steel Litter

Technically advanced and nearly indestructible, the Cascade Professional Series Litter is built with a steel body and cross members for the most extreme rescue conditions. This reasonably priced litter features a patient contour support which is molded and padded for patient comfort.

**BERRY COMPLIANT**

**COMPLIANT: NFPA 1983 (2017)**

**Key Features:**

- Stainless Steel Litter has 4 Articulating Lift Points
- 3/4" frame and supporting cross members and 3/8" secondary railing
- Powder coated
- Integral backboard
- UV resistant polyethylene mesh liner
- Tapered or rectangular shape
- One or two piece
- Two piece version uses the FastLock System
- Available with PMI® FAST installed

**Weight:**..... 38.05

**Height:**..... 6.25" (16.0 cm)

**Width:**..... 25.50" (64.8 cm)

**Length:**..... 83.00" (211.0 cm)

**Material:**..... Steel

**Weight 1 piece:** 31.00 lbs (14.061 kg)

**Weight:**..... with PMI®FAST 1 piece: 35.00 lbs (15.876 kg)

**Weight 2 piece:** 32.00 lbs (14.515 kg)

**Weight:**..... with PMI®FAST 2 piece: 36.00 lbs (16.329 kg)

**STEEL ONE PIECE**

**Tapered PE42040**

**Rectangular PE42143**

## Cascade 200 Titania Advance, 1-piece litter

**BERRY COMPLIANT**

- 3/4" Top Rail
- Four, 1" Patient Restraint Straps to securely immobilize the patient to the bed of the litter
- Titanium handrails and ample brackets
- Excellent vertical raise handling characteristics
- At home on snow, rock, ice or asphalt
- Outer color: International Orange
- Also available in a 2-Piece Model (PE42200)

**Height:**..... 5.50" (14.0 cm)

**Width:**..... 21.50" (54.6 cm)

**Length:**..... 82.00" (208.3 cm)

**1-piece litter PE42199**

**2-piece litter PE42200**





## Cascade Advance Series Model 200

### Confined Space

The new narrow version of the ultimate small team response litter. Designed specifically for use in confined space situations, this litter maintains all the great usable features of the traditional Advance series litters. Crafted from hand laminated composites, it provides excellent subject protection and easy maneuverability for the litter attendants. A great choice for urban, industrial, cave and/or mountain rescues when space is limited.

BERRY COMPLIANT

#### Key Features:

- Four patient restraint straps for quick, secure subject immobilization
- Abrasion resistant shell
- Steel handrails/construction
- Ample brackets
- Bright orange exterior
- Excellent vertical raise handling characteristics
- 5/8" Top Rail
- Four, 1" Patient Restraint Straps to securely immobilize the patient to the bed of the litter
- At home on snow, rock, ice or asphalt
- Also available in a 2-Piece Model (PE42081)

**Weight:**..... 31

**Height:**..... 5.00" (12.7 cm)

**Width:**..... 19.50" (49.5 cm)

**Weight 1 piece:** 17.50 lbs (7.938 kg)

**Weight 2 piece:** 19.00 lbs (8.620 kg)

**Weight:**..... with PMI®FAST 1 piece: 21.50 lbs (9.752 kg)

**Weight:**..... with PMI®FAST 2 piece: 23.00 lbs (10.433 kg)

1-piece litter

**PE42080**

2-piece litter

**PE42081**

2-piece confined space w/o PMI® FAST

**PE42198**

## Cascade Model 200, 1-piece confined space, 19 inches wide

The new narrow version of the ultimate small team response litter. Designed specifically for use in confined space situations, this litter maintains all the great usable features of the traditional Advance series litters. Crafted from hand laminated composites, it provides excellent subject protection and easy maneuverability for the litter attendants. A great choice for urban, industrial, cave and/or mountain rescues when space is limited.

#### Key Features:

- Four patient restraint straps for quick, secure subject immobilization
- Abrasion resistant shell
- Steel handrails/construction
- Ample brackets
- Bright orange exterior
- Made in the USA

**Weight:**..... 30 lbs

1-piece confined space, 19 inches wide

**PE42179**



## Cascade Advance Series Model 200 MAX - Carbon/Titanium - 2 piece

Choose this light-weight, high performance basket-style stretcher for the ultimate in response capability. The Triaxial Weave Carbon Fiber and Kevlar shell provide abrasion resistant patient protection, and the Titanium top-rail is easy to handle. At a weight of just 14 pounds, the two-piece construction can be split between rescuers to be carried in to the field.



#### Key Features:

- Exceptionally Light-Weight
- Four Patented Articulating Lift Points
- Tested to Mil Spec and ASTM F2821-10
- Compatible with Guardian Litter
- Shield, litter wheel, and handles

**PE42196**

## Cascade 200 TitaniuMax Advance 2-piece litter

#### Key Features:

- Patent Pending Articulating Lift Points
- 3/4" Top Rail
- Four, 1" Patient Restraint Straps to securely immobilize the patient to the bed of the litter
- Titanium handrails and ample brackets
- Excellent vertical raise handling characteristics
- At home on snow, rock, ice or asphalt
- Outer color: International Orange

**Weight:**..... 31 lbs

**PE42086**

w/FastPax Rails **PE42126**

## Cascade Advance Series MAX

This is the ultimate small team response litter. With so many choices, there is an Advanced Series Litter to fit any need. To provide maximum victim protection and comfort as well as optimum maneuverability for the litter attendant. The new Max version provides an extra 2" of width, and will accommodate any 16" standard backboard.

#### Key Features:

- Patent Pending Articulating Lift Points
- 3/4" Top Rail
- Four, 1" Patient Restraint Straps to securely immobilize the patient to the bed of the litter
- Steel handrails and ample brackets
- Excellent vertical raise handling characteristics
- At home on snow, rock, ice or asphalt
- Outer color: International Orange
- Also available in a 2-Piece Model (PE4208)

**Weight:**..... 36

**Height:**..... 6.25" (15.2 cm)

**Width:**..... 25.00" (63.5 cm)

**Length:**..... 82.00" (208.3 cm)

**1 piece**

**Weight:**..... 24.00 lbs (10.866 kg)

**Weight with PMI®FAST:** 28.00 lbs (12.701 kg)

**PE42084**



**2 piece**

**Weight:**..... 26.00 lbs (11.79 kg)

**Weight with PMI®FAST:** 30.00 lbs (13.608 kg)

**PE42085**



### **PMI® Classic Spyder**

Adjustable 4 leg litter spider made from 10 mm PMI® Classic static rope and 6 mm prusik cord tied on a forged O-ring. Litter and carabiners in photo not included.

#### **Key Features:**

- Legs are independently adjustable
- User can add the PMI®/SMC Deluxe or JR Haul System to convert this to a litter scoop system
- Comes with 4 meter long attendant line & storage bag

**Weight:**..... 30.00 lbs (1.400 kg)

**PE42021**



### **PMI® Tarantula**

Adjustable 4 leg webbing litter spider sewn onto a forged O-ring. Litter and carabiners in photo not included.

#### **Key Features:**

- Legs are independently adjustable
- Sewn from heavy duty webbing
- Comes with 4 meter long attendant line & storage bag

**Weight:**..... 4.63 lbs (2.100 kg)

**PE42020**



### **Cascade Litter Flotation System**

Designed to fit all Cascade Professional Series Litters and Advance Series Litters. Made to keep patient's head above water. Easily attached and removed for storage, this Flotation System is ideal for ocean, lake and swiftwater rescue.

#### **Key Features:**

- Capable of floating the litter, patient, and at least one rescuer
- Will also fit most other manufacturers' tube frame litters

**4.9lbs (2.2kg)**

**PE42140**



### **Cascade Litter Skin for tubular frame litters, fits Cascade & some competitors models**

Beauty that is more than skin deep! Get double duty from your Professional Series Litters. If your rescue scenario demands low-incline work across snow, ice, rock or anything abusive and rough, this is your solution. Simply attach the Pro Skin to your Professional Series Litter and you are ready for action. Constructed of a proprietary blend of super durable Hi-Density Poly with easy on/off attachment points.

#### **Key Features:**

- Constructed of a proprietary blend of HDPE
- Easy on/off attachment points

**Weight:**..... 8 lbs

for tapered  
**PE42177**

for Rectangular  
**PE42181**





## Cascade Equalizer Adjustable Handle System

Finally! A litter handle system that actually works. The Equalizer represents years of R&D by Cascade Rescue Company. The Equalizer easily and quickly attaches to all Cascade Professional and Advance Series litters. It will even fit other popular brand name litters. The Equalizer is available in both Titanium and Stainless Steel models and features a unique 24 position system allowing the operators to quickly change handle positions based upon operator height or varying terrain conditions. No longer is your downhill team mate reaching into the air to level the litter on steep descents, while the uphill operator is stooping down low. For transport to the scene, or for high or low incline work, the handles of the Equalizer may be positioned so they "nest" against the side of the litter, or removed entirely and stowed in a pack. The Equalizer is so light you'll hardly know it's there.

### Key Features:

- 24 different handle positions
- Available in Titanium or Stainless Steel
- Rapid attachment system
- Handles store flush to litter sides
- Compatible with Advance Series brake levers
- Fits all Cascade litters

**Weight:**..... 7.350 lbs (3.334 kg) 4.60 lbs (6.622 kg)

Professional Series Titanium **PE42202**

Stainless Steel **PE42203**

Advance Series Titanium **PE42204**

CMC Style Titanium **PE42208**

Stainless Steel **PE42209**



## Cascade Terrain Master, Wheel W/Assembly

The Terrain Master wheel delivers a smooth ride in the toughest terrain. Ideal for rough, muddy, sandy, or snow covered trails. Interchangeable with Cascade wheel saddle assembly.

### Key Features:

- Aircraft aluminum
- Aluminum wheel rim
- New improved lightweight sealed hub
- Two piece construction for easy packing
- Saddle fits almost any rigid litter
- Wheel with tire quickly mounts to the saddle without tools
- Terrain Master wheel is interchangeable with Trail Tech wheel

**Weight:**..... 30.00 lbs (13.608 kg)

**PE42138**



## Cascade Terra Tamer

The Terra Tamer is an exceptionally light, obstacle crushing all-terrain wheel that fits on any litter using a rapid attachment system. The Terra Tamer uses a durable titanium frame and stainless components. Complete control is made possible by an adjustable brake lever and disc brake system.

### Key Features:

- Lightweight
- 26 4.75" all-terrain wheel
- Two piece packable design
- Disc brake
- Titanium Frame

**Weight:**..... 15.40 lbs (6.985 kg)

**PE42201**



## Cascade Trail Tech Mount Wheel System

All the features, without the weight! Attaching to any litter, the straps loop around and the hooks connect back to the saddle. Once your patient is loaded, the wheel assembly virtually locks on in less than two seconds and won't come off unless you unlock it.

### Key Features:

- Aircraft aluminum
- Sealed disk brake
- Sealed bearings
- Ratchet levers for a sure fit
- Trail Tech wheel is interchangeable with Terrain Master wheel

**Weight:**..... 20.00 lbs (9.070 kg)

**Cascade Trail Tech Litter**

**Wheel 3/4" Top Rail**

**PE42087**

**5/8"**

**PE42133**





PMI® Large Deluxe Rope Pack

RB44004U



# LOGISTICS AND SUPPORT GEAR

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PMI offers many products to help you store and protect your equipment and gear. Check out this section for the equipment you need to get the job done right.

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## PMI® Riggers Bag

Storing gear can be a challenge, and keeping it organized almost impossible... until now. The PMI® Riggers Bag is a soft-sided carrying case. A jumbo main compartment, plus five specially shaped external access pockets keep your hardware separate from your harness, gloves separated from straps, and there is even a special pocket for your helmet.

### Key Features:

- 1000 denier heavy coated Cordura®
- Detachable shoulder strap included
- 6 zippered compartments
- Padded handles
- Clear ID holder

**Weight:** ..... 2.25  
**Width:** ..... 11.00" (27.9 cm)  
**Length:** ..... 24.00" (61.0 cm)  
**Height:** ..... 12.00" (30.5 cm)

Black **RB44031**



## PMI® PVC Gear Pack

Rugged PVC Gear Pack is just right for transporting hardware, pre-rigged systems, and other heavy gear. Durable material holds up better than other materials in harsh industrial, cave, or mountain environments.

### Key Features:

- PVC Material
- Roll down and buckle closure
- Reinforced bottom for extra protection
- 2" webbing backpack straps with adjustable buckles
- Haul loop
- Holds up to 160 m of 10 mm;  
120 m of 11 mm; 92 m of 12.5 mm;  
75 m of 16 mm rope

**Sizing Info:** ..... 1862 cu in  
**Weight:** ..... 1.68 lbs (762 g)  
**Length:** ..... 21.00" (53.3 cm)  
**Width:** ..... 10.00" (25.4 cm)

Red **RB44039**



## PMI® Personal Rope Bag

PMI's exclusive combination of features includes double sewn seams that reinforce the stress points when stuffing your favorite PMI rope. Four sizes to keep gear clean and organized.

Double sewn seams  
1000 denier heavy coated Cordura®  
Drawstring closure  
1" tubular handles with rope insert  
Pocket for rope history card  
Internal clip-in loop at bottom of bag  
Holds up to 12 m of 10 mm rope

**Color:** ..... Black, Orange  
**Weight:** ..... 2.6 oz (75 g)  
**Width:** ..... 8.50" (21.6 cm)  
**Length:** ..... 12.00" (30.5 cm)

Orange **RB44030**  
Black **RB44025**



## PMI® Large Deluxe Rope Pack

If you need a bag that holds just about everything (minus a patient), the Deluxe Rope Pack can hold up to that task. This king size bag has all the bells and whistles to store well-loved gear.

### Key Features:

- Roomy rope compartment
- Double sewn seams
- 1000 denier heavy coated Cordura®
- Drawstring closure
- Padded backpack straps
- 5/8" grommet on bottom of bag
- 2" webbing carrying handles
- 2 Large outside pockets with snap buckle closure
- Internal clip-in loop at bottom of bag
- Holds up to 160 m of 10 mm; 120 m of 11 mm;  
92 m of 12.5 mm; 75 m of 16 mm rope

**Dimensions:** ..... 25 x 10.5 in

**Weight:** ..... 1.4 lbs (635 g)  
**Width:** ..... 10.50" (26.7 cm)  
**Length:** ..... 25.00" (63.5 cm)

Orange **RB44002U**

Blue **RB44004U**

Red **RB44006U**



## PMI® Rope Bag

PMI's exclusive combination of features includes 1" tubular handles with rope insert and double sewn seams that reinforce the stress points when stuffing your favorite PMI® rope. Three sizes to keep gear clean and organized.

### Key Features:

- Double sewn seams
- 1000 denier heavy coated Cordura®
- Drawstring closure
- 1" tubular handles with rope insert
- 5/8" grommet on the side of the bag (except personal size)
- Pocket for rope history card
- Internal clip-in loop at bottom of bag
- Holds up to 80 m of 10 mm; 70 m of 11 mm; 46 m of 12.5 mm;  
30 m of 16 mm rope
- Rounded handle grips
- Exterior Window Pocket

**Weight:** ..... 9.0 oz (254 g)

**Width:** ..... 10.50" (26.7 cm)  
**Length:** ..... 14.50" (36.8 cm)

**Black**

Small **RB44010**  
Standard **RB44013**  
Large **RB44016**

**Blue**

Small **RB44011**  
Standard **RB44014**  
Large **RB44017**

**Orange**

Small **RB44009**  
Standard **RB44026**  
Large **RB44027**

**Red**

Small **RB44012**  
Standard **RB44015**  
Large **RB44018**





## PMI® X-Large and XX-Large Rope Pack with Straps

When you need a little extra help with the load, the PMI® Rope Pack will help make the haul easier. Padded backpack straps make carrying a loaded bag more manageable.

### Key Features:

- Double sewn seams
- 1000 Denier heavy coated Cordura®
- Exterior Window Pocket for rope history card
- Double sewn seams
- Drawstring closure
- 5/8" inch grommet side
- Internal clip-in loop at bottom of bag

**Weight:**..... 1.22

**Dimensions:** ..... 23 x 16 in

Orange Large  
RB44027

Blue Large  
RB44017

Black Large  
RB44016

Red Large  
RB44018

## PMI® Rope Pack

### Key Features:

- Double sewn seams
- 1000 denier heavy coated Cordura®
- Drawstring closure
- 1" tubular handles with rope insert
- 5/8" grommet on the side of the bag (except personal size)
- Pocket for rope history card
- Internal clip-in loop at bottom of bag
- Holds up to 120 m of 10 mm; 100 m of 11 mm; 75 m of 12.5 mm; 61 m of 16 mm rope

S

**Weight:**..... 1.02 lbs (463 g)  
**Width:**..... 10.50" (26.7 cm)  
**Length:**..... 21.50" (54.6 cm)

XL

**Weight:**..... 1.22 lbs (553 g)  
**Width:**..... 16.00" (40.6 cm)  
**Length:**..... 23.00" (58.4 cm)

L

**Weight:**..... 1.19 lbs (541 g)  
**Width:**..... 10.50" (26.7 cm)  
**Length:**..... 25.00" (63.5 cm)

XXL

**Weight:**..... 1.25 lbs (567 g)  
**Width:**..... 17.00" (43.2 cm)  
**Length:**..... 28.50" (72.4 cm)

Black

Standard RB44043  
Large RB44019  
XL RB44022  
XXL RB44058

Red

Standart RB44041  
Large RB44021  
XL RB44024  
XXL RB44056

Blue

Standard RB44042  
Large RB44020  
XL RB44023  
XXL RB44056



Orange

Standard RB44040  
Large RB44028  
XL RB44029  
XXL RB44055

## PMI® Magneta Bag

This sturdy bag is a great way to carry bull-pins and bolts, and attaches readily to your harness belt. A simple closure prevents accidental spills, while a magnetic plate on the front accommodates temporary storage on the outside of the pocket.

### Key Features:

- Express closure
- Easy to attach to the harness
- Rigid opening
- Magnetic plate for temporary tool storage

**Weight:**..... 0.4

**Weight:**..... 6.0 oz (170 g)

**Height:** ..... 10.00" (25.4 cm)

**Width:** ..... 8.00" (20.3 cm)



Black RB44061

## PMI® Grunt Bucket

The Grunt is your essential, suspendable assistant for every job at height. This tool bucket bag has a reinforced base, 5 gallon capacity, and a suspension handle capable of holding more than 200 pounds, this PVC fabric bucket is the perfect companion for carrying tools, materials, or even liquids during vertical work.

### Key Features:

- Easy access to tools
- Clic clac pocket closure system
- Reinforced base
- Rigid carrying handle
- Watertight pocket

**Weight:**..... 3.00 lbs (1.360 kg)

**Sizing Info:** ..... 1695 cu in (27.8 L)

**Height:** ..... 15.00" (38.1 cm)

**Width:** ..... 12.00" (30.5 cm)



RB44062

## PMI® Duffel

With the same capacity as our large rope bag, the PMI® Duffel is generous enough to hold all your gear. Streamlined and super durable, this duffel can get everything packed up and ready to go in a flash.

### Key Features:

- 1000 denier heavy coated Cordura®
- Wrap around padded handle
- Two outside storage pockets with Velcro closure

**Weight:**..... 1.1 lbs

**Width:**..... 11.00" (27.9 cm)

**Length:**..... 25.00" (63.5 cm)



Red SG51190

## PMI® Gear Bucket

The PMI® Gear Bucket can hold all of your gear and literally stand up to the test. Plastic reinforced stays keep the bucket upright while stacking your rope inside. Semi-rigid sides make it great for feeding line throwing devices right from the bag with minimal drag on the line.

### Key Features:

- Store gloves, pulleys, cord, even snacks in the outside mesh pockets with Velcro closures
- Holds up to 70 m (230 ft) of 11 mm; 46 m (150 ft) of 12.5 mm; or 30 m (100 ft) of 16 mm rope

**Weight:**..... 1.4 lbs



RB44049



### **PMI® Radio Chest Harness**

An indispensable uniform component for any rescuer, the PMI® Radio Harness adjusts instantly to comfortably fit any size person. Radio compartment also adjusts to fit all models of radios, old or new, and keeps antenna upright for optimum performance.

#### **Key Features:**

- Large capacity bellows cargo pouch
- Pen pocket
- Twin antenna keepers
- Cordura® construction

**Weight:**..... 9.5 o

**SG51001**



### **PMI® Avatar Radio Harness**

This simple and sleek harness is designed to attach to the Avatar Diamond chest harness, keeping your radio accessible and out of the way. This lightweight harness takes the place of an additional radio harness, making the setup more comfortable and breathable

#### **Key Features:**

- Sleek and lightweight
- Attaches to PMI® Avatar Diamond chest harness (not included)

**Weight:**..... 0.15 lbs

**Color:** ..... Black

**Weight:**..... 2.4 oz (68 g)

**SG51189**



### **Cascade Deluxe Radio Harness - Black**

**SG51186**



### **PMI® Stealth Radio Harness**

You won't even know you are wearing the Stealth Radio Harness. The no-bulk design stores all of your gear while maintaining a snug fit.

#### **Key Features:**

- Antenna keeper
- Large pocket w/Velcro closure
- Pen pocket
- Side grommets for adjustable lanyard
- Adjustable radio pocket
- GPS/cell phone pocket
- 1 snap lock buckle for an easy fit
- 4 small adjustable buckles

**Weight:**.....0.38 lbs

**SG51185**





## PMI® Uniform Belt

PMI®'s Uniform Belt comes in two different versions. The Basic model is one size fits most and can be trimmed by the user to fit. The second version has hook and loop tape to fasten down the free tail of the belt and is available in two size ranges. Not intended as an emergency harness, but as a backup or "last resort". Made of 1 3/4" black webbing with a 7000 lbf MBS.

**Weight:**..... 0.62 lbs

**Color:** ..... Black

**Waist:**..... up to 48"

**SG51039**



## PMI® Hook & Loop

Similar features as our basic uniform belt, but the hook and loop fastener holds the free end of the webbing against belt.

**Weight:**..... 0.69 lbs

**Color:** ..... Black

**Size:** ..... Large, Standard

**Waist:**..... 27"-40", 36"-56"

**Weight:**..... S: 9.5 oz (269 g)

L: 10.5 oz (298 g)

Standard **SG51139**

Large **SG51140**



## PMI® Crawler Knee Pads

The toughest knee pads you'll ever wear. Made from Cordura® packcloth and Neoprene padding, they are comfortable enough to wear all day but sturdy enough for the dirtiest job.

### Key Features:

- Supplex nylon back
- Tabbed webbing for a secure fit

**Weight:**..... 1.1 lbs

**Length:**..... 17.00" (43.2 cm)

**SG51130**



## PMI® Crawler Elbow Pads

These elbow pads are rugged while being comfortable enough to wear even against bare skin. Cut out flexion points won't bind or pinch.

### Key Features:

- Measured around bicep with clothes

**Weight:**..... 0.34 lbs

**Length:**..... 11" (27,9 cm)

**Weight:**..... XS: 6.4 oz (181 g)

S: 6.4 oz (181 g)

M: 7.2 oz (204 g)

L: 7.2 oz (204 g)

**X-Small**

**SG51179**

**Small**

**SG51176**

**Medium**

**SG51177**

**Large**

**SG51178**



# FALLS from HEIGHT

A Guide  
to Rescue Planning

Loui McCurley



Falls From Height - A Guide  
To Rescue Planning

BK13040



# TRAINING AND EDUCATION

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PMI knows that YOU are the most important part of ANY work at height or rescue system. That's why we work hard to stay on top of the most current innovations and regulations so that we can bring you the very best training and education possible. Check us out – and let us know what we can do to serve you better!

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#### A Complete Solution

PMI's Vertical Rescue Solutions™ training group offers unparalleled expertise on access, rescue and solutions for your vertical world. We don't just teach rescue—we live it – so the training you get is based on years of hands-on, real-life rescue experience.

#### VRS™ Custom Courses

Have rope, will travel! If you'd prefer to have your employees trained where they work, just ask! We can tailor our courses to accommodate your needs. Just contact PMI Customer Service at 1-800-282-7673 and ask to speak with a training specialist about a custom course.

#### Consulting

Got a compliance, access, rescue pre-planning or work at height problem that you'd like to collaborate on? Let us use our regulatory and standards experience to help with your comprehensive managed fall protection plan, build a rope access program, or make a rescue preplan.



## Technical Rescue Riggers Guide

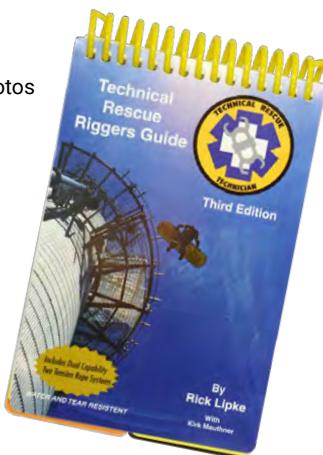
Pocket-sized quick reference guide to rigging, from Anchors to Z-Rigs. Clear presentation with numerous technical drawings and diagrams. By: Rick Lipke

### Key Features:

- Spiral bound
- 191 pages
- 500 clear illustrations and photos
- Full color
- Water and tear-proof paper

**Weight:**..... 0.305 lbs

**BK13003**



## High Angle Rescue Techniques V4

Your Definitive High Angle Rope Rescue Guide! The fourth edition of High-Angle Rope Rescue Techniques: Levels I & II provides comprehensive coverage of all aspects of high-angle rescue, including planning, PPE and equipment, medical considerations, evacuations, and special rescue operations. Based on the 2013 edition of NFPA 1006, Standard for Technical Rescuer Professional Qualifications, High-Angle Rope Rescue Techniques: Levels I & II provides a broad overview of all rescue techniques to meet the needs of fire service, search and rescue, and many other rope rescue professionals. The fourth edition has been updated to include: Coverage of new protective equipment, terminology, rescue products, and techniques. All new Skill Drills that provide step-by-step instruction on how to execute important skills and procedures. Separation of High-Angle Rope Rescue I & II Level content throughout the textbook and instructor resources.

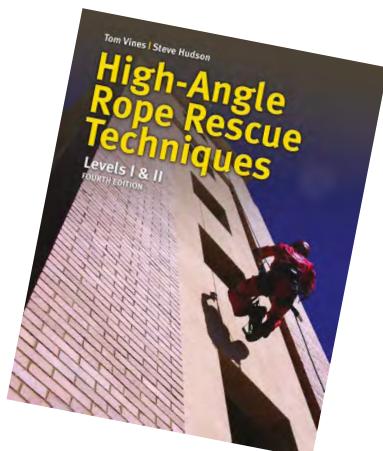
By: Tom Vines and PMI's own Steve Hudson

### Key Features:

- Offers the latest in compliance with nationally recognized standards set by OSHA and the NFPA
- 508 pages
- Full color photos and illustrations
- 2015

**Weight:**..... 2 lbs

**BK13007**



## On Rope 2nd Edition

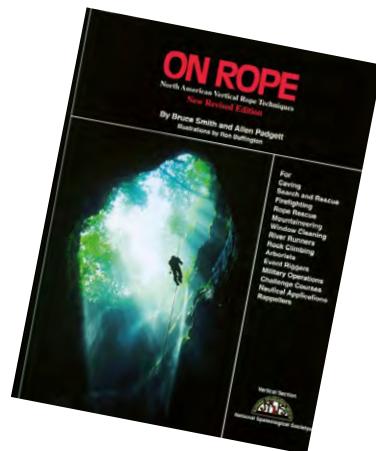
Excellent reference on descending, ascending, rigging, self rescue, equipment, and much more. A must for the serious ropework scholar. By: Allen Padgett, Bruce Smith and the National Speleological Society (NSS) Vertical Section

### Key Features:

- Over 400 illustrations
- Published by the National Speleological Society

**Weight:**..... 2.9 lbs

**BK13011**



## Technical Rescue Field Operations Guide

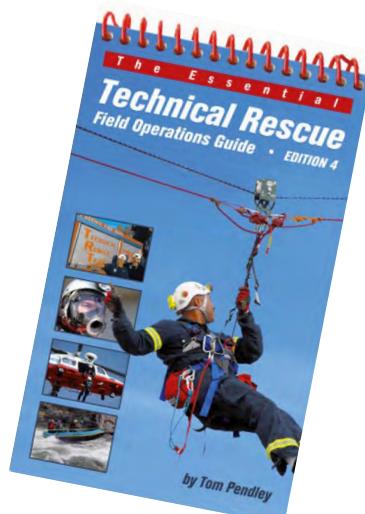
A pocket guide containing command checklist and easy to follow step-by-step procedures for rope, confined space, swiftwater, trench, structural collapse and helicopter rescue. By: Tom Pendley

### Key Features:

- 240 Full Color Illustrations
- Paperback
- 214 pages
- Spiral bound top

**Weight:**..... 0.45 lbs

**BK13019**





## High Angle Field Guide

Knowledge of high angle rescue is vital to many emergency service personnel. High Angle Rescue Techniques unique step-by-step approach to instruction facilitates the learning process for both trainers and students. By: Tom Vines and PMI's own Steve Hudson

### Key Features:

- Offers the latest in compliance with nationally recognized standards set by OSHA and the NFPA
- 115 pages
- Over 60 illustrations
- Full color photos and illustrations
- 2004

Weight: ..... 0.29 lbs

BK13021



## Falls From Height - A Guide To Rescue Planning

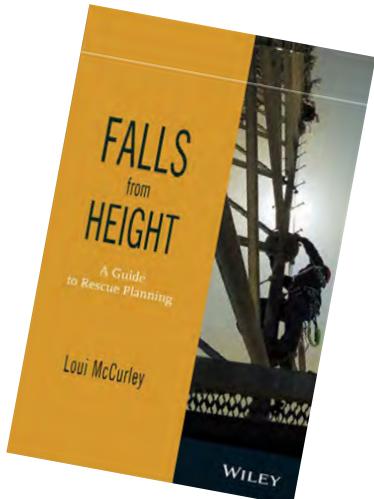
How do you rescue someone suspended in midair or trapped above ground? Author Loui McCurley, an expert in technical rope rescue with more than twenty-five years of experience, has the answers. Following her tested and proven advice, readers will learn how to prepare for and safely rescue "at-height" workers and others from "falls from height." The book fully bridges the gap between planning and execution, steering readers toward simple workplace-specific solutions. Moreover, it explains how to develop and implement a comprehensive protection program, enabling all organizations and their employees to fully prepare themselves to respond to a fall from height.

### Key Features:

- Hardcover
- 376 pages
- 2013
- Over 200 pictures

Weight: ..... 1.4 lbs

BK13040



## Professional Rope Access: A Guide To Working Safely at Height

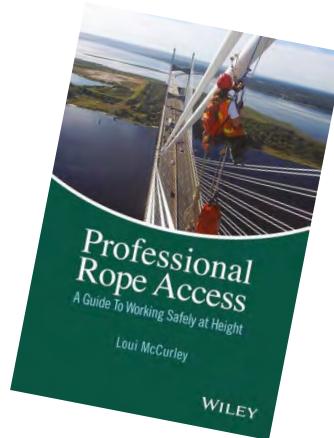
Professional Rope Access: A Guide to Working Safely at Height is a comprehensive guide that employers, safety managers, trainers, and technicians can use to develop and maintain a rope access program that will get more work accomplished at a lower cost and with greater safety than conventional methods can achieve. For many trades, rope access provides an excellent solution for gaining access to difficult-to-reach locations. The extensive amount of knowledge and training that rope access technicians possess, and the highly disciplined and structured system that comprises rope access, mean that more complex jobs can often be performed more safely and efficiently, in a shorter period of time, resulting in monetary and safety benefits.

### Key Features:

- Planning For Rope Access such as personnel selection and training and Equipment for Rigging
- Skills For The Rope Access Technician including Rigging Concepts, Advanced Techniques, Powered Devices, and Rescue
- Program Administration from Writing a Work Order through Equipment Inspection & Care

Weight: ..... 2.4 lbs

BK13042





## Rope Access Certification Course (SPRAT®)

Rope access provides a safe, cost-effective, and efficient means of access, egress, and positioning for work at height. So whether you are a building, bridge or dam inspector, an engineer, a window washer, a rock scaler, a tower climber or a theatrical rigger, adding a SPRAT® certification to your toolbox will help improve jobsite safety, efficiency and offers the added credibility that comes with a rigidly administered third party evaluation. This four-day course provides students with the knowledge and skills they need to pass the SPRAT® certification session that is held on the fifth day of the course by an independent SPRAT® Evaluator.

### What You Learn:

- Ascending and descending
- Rope to rope transfers
- Knot craft, Passing knots, friction hitches
- Short and long re-belay's
- Passing deviation anchors
- Basic and advanced anchor building
- Advanced rigging and rescue techniques
- Mechanical advantage systems
- Edge Transitions, Passing and installing rope protection

### Your Location

Full Class (6 students) **VR63023**



## Competent Tower Climber | Rescuer

At PMI's Vertical Rescue Solutions, we offer unparalleled custom instruction in tower climbing and rescue. This course is aimed to arm those who work at height with the tools, knowledge, and expertise to climb safely and to perform self and/or companion rescue quickly and efficiently using the revolutionary TowerPack™ Rescue Solution (ANSI Z359.4-2007).

### What You Learn:

- Self-Rescue, Mechanical Advantage, Top-Down Rescue, Ground-Based Rescue and Pickoff Rescue
- Safe and Efficient Climbing Techniques
- Proper Documentation
- PPE donning, doffing and inspection

**This is a three day course.**

### Open Enrollment at PMI Location

Per Student **VR63002**

### Your Location

Full Class (6 students) **VR63003**



## Portable High Directionals: All

This course combines Module I, Module II and Module III of the Portable High Directionals Series. Module I is a one-day, basic level introductory course, Module II is a two-day, intermediate level rope technician course and Module III is a two-day advanced level rope technician course. This course combination will instruct participants in the use of portable anchor systems, focusing on the TerrAdaptor™. Rigging theory that supports sound and reliable manipulative skills of all portable anchor configurations congruent with the requirements of NFPA 1670 and 1006 Technician Level and the Basic and Intermediate Force Multiplier Theory of Portable Anchors are key components of Modules I, II and III.

### What You Learn:

- Upon successful completion of Modules I, II and III, all participants will be able to accomplish the following:
- Demonstrate proper safety protocols when working with advanced configurations of portable anchors
- Demonstrate proper assembly of the TerrAdaptor™ as a mono-pod (gin pole) and bi-pod (angled A frame) portable anchor congruent with the manufacturer's instructions
- Construct and safely operate high lines and sloping high lines using all possible combinations of configurations of the TerrAdaptor™
- Understand and construct a back-tie system to stabilize the tripod during operation
- Understand and perform basic communication for raises and lowers using a portable anchor
- Understand advanced principles of force multipliers as they apply to whiteboard analysis of critical angles in high line rigging and the calculation of critical angles
- Complete and pass a written test

**Prerequisites:** None

### Open Enrollment at PMI Location

Per student **VR63012**

### Your Location

Full Class (6 students) **VR63013**



## Competent Person PPE Inspector

No one knows your PPE and life safety gear like the people who manufacture and distribute it. PMI's Vertical Rescue Solutions™ can give you and your employees the information and resources to set up and maintain a PPE use and inspection documentation program for the gear you trust your life with. This is an eight hour program designed to meet the OSHA guidelines for the establishment of a competent person inspector for personal protective equipment (PPE) within a given organization.

### What You Learn:

- Proper selection, inspection, storage and retirement criteria for PPE and rigging
- Documentation
- Regulatory considerations

**Prerequisites:** None

**This is a one day course**

### On location

Up to 10 students **VR63021**



## Rope Access for the Professional Rescuer

The great thing about rope access technicians is that they can get to places that almost no one else can. Unfortunately, this can also make them very difficult to rescue in the event of a mishap. Professional rescuers whose jurisdictions may include riggers, engineers, or others using rope access techniques should ensure that at least some advanced rescue technicians have the skills necessary for rescue from these environments.

As a prerequisite, rescuers must first be SPRAT® Level 1 certified. This class builds on that foundation, providing advanced skills and techniques necessary for more complex, SPRAT® or IRATA level three-comparable rescues.

**Prerequisites:** SPRAT® Level One Certification

### What You Learn:

- Advanced rescue techniques, comparable to a Level III SPRAT® skill set
- Advanced rigging techniques
- Ability to assess the best rescue based on environment, with rescuer safety a priority

**This is a two day course**

**Open Enrollment at PMI Location**

Per Student **VR63028**

### Your Location

Full Class (6 students) **VR63029**

Rope

Webbing  
and Cordage

Personal  
Gear

Hardware

Solutions  
and Kits

Patient  
Care

Logistics and  
Support Gear

Training and  
Education

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Hardware

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Rope

Webbing  
and CordagePersonal  
Gear

Hardware

Solutions  
and KitsPatient  
CareLogistics and  
Support GearTraining and  
Education



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