



**RETURN BIDS TO:**  
**RETOURNER LES SOUMISSIONS À:**  
**Public Works and Government Services / Travaux**  
**publics et services gouvernementaux**  
**Kingston Procurement**  
**Des Acquisitions Kingston**  
**86 Clarence Street, 2nd floor**  
**Kingston**  
**Ontario**  
**K7L 1X3**  
**Bid Fax: (613) 545-8067**

## REQUEST FOR PROPOSAL DEMANDE DE PROPOSITION

**Proposal To: Public Works and Government  
Services Canada**

We hereby offer to sell to Her Majesty the Queen in right of Canada, in accordance with the terms and conditions set out herein, referred to herein or attached hereto, the goods, services, and construction listed herein and on any attached sheets at the price(s) set out therefor.

**Proposition aux: Travaux Publics et Services  
Gouvernementaux Canada**

Nous offrons par la présente de vendre à Sa Majesté la Reine du chef du Canada, aux conditions énoncées ou incluses par référence dans la présente et aux annexes ci-jointes, les biens, services et construction énumérés ici sur toute feuille ci-annexée, au(x) prix indiqué(s).

**Comments - Commentaires**

**Vendor/Firm Name and Address**  
**Raison sociale et adresse du**  
**fournisseur/de l'entrepreneur**

**Issuing Office - Bureau de distribution**

Public Works and Government Services / Travaux publics  
et services gouvernementaux  
Kingston Procurement  
Des Acquisitions Kingston  
86 Clarence Street, 2nd floor  
Kingston  
Ontario  
K7L 1X3

<b>Title - Sujet</b> Mountain Climbing Equipment		
<b>Solicitation No. - N° de l'invitation</b> W107B-16AS11/A	<b>Date</b> 2016-02-04	
<b>Client Reference No. - N° de référence du client</b> W107B-16-AS11		
<b>GETS Reference No. - N° de référence de SEAG</b> PW-\$KIN-620-6836		
<b>File No. - N° de dossier</b> KIN-5-44223 (620)	<b>CCC No./N° CCC - FMS No./N° VME</b>	
<b>Solicitation Closes - L'invitation prend fin</b> <b>at - à 02:00 PM</b> <b>on - le 2016-02-22</b>		<b>Time Zone</b> <b>Fuseau horaire</b> Eastern Standard Time EST
<b>F.O.B. - F.A.B.</b> Specified Herein - Précisé dans les présentes <b>Plant-Usine:</b> <input type="checkbox"/> <b>Destination:</b> <input type="checkbox"/> <b>Other-Autre:</b> <input checked="" type="checkbox"/>		
<b>Address Enquiries to: - Adresser toutes questions à:</b> Porter, Marta M.		<b>Buyer Id - Id de l'acheteur</b> kin620
<b>Telephone No. - N° de téléphone</b> (613) 483-6084 ( )		<b>FAX No. - N° de FAX</b> (613) 545-8067
<b>Destination - of Goods, Services, and Construction:</b> <b>Destination - des biens, services et construction:</b> DEPARTMENT OF NATIONAL DEFENCE BLDG BB-129, BAY 8 2 SAPPER WAY PETAWAWA Ontario K8H2X3 Canada		

**Instructions: See Herein**

**Instructions: Voir aux présentes**

<b>Delivery Required - Livraison exigée</b> See Herein	<b>Delivery Offered - Livraison proposée</b>
<b>Vendor/Firm Name and Address</b> <b>Raison sociale et adresse du fournisseur/de l'entrepreneur</b>	
<b>Telephone No. - N° de téléphone</b> <b>Facsimile No. - N° de télécopieur</b>	
<b>Name and title of person authorized to sign on behalf of Vendor/Firm</b> <b>(type or print)</b> <b>Nom et titre de la personne autorisée à signer au nom du fournisseur/</b> <b>de l'entrepreneur (taper ou écrire en caractères d'imprimerie)</b>	
<b>Signature</b>	<b>Date</b>

## TABLE OF CONTENTS

<b>PART 1 - GENERAL INFORMATION .....</b>	<b>2</b>
1.1 REQUIREMENT .....	2
1.2 DEBRIEFINGS .....	2
1.3 TRADE AGREEMENTS .....	2
<b>PART 2 - BIDDER INSTRUCTIONS .....</b>	<b>3</b>
2.1 STANDARD INSTRUCTIONS, CLAUSES AND CONDITIONS .....	3
2.2 SUBMISSION OF BIDS.....	3
2.3 ENQUIRIES - BID SOLICITATION.....	3
2.4 APPLICABLE LAWS.....	3
<b>PART 3 - BID PREPARATION INSTRUCTIONS.....</b>	<b>4</b>
3.1 BID PREPARATION INSTRUCTIONS .....	4
<b>PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION .....</b>	<b>5</b>
4.1 EVALUATION PROCEDURES.....	5
4.2 BASIS OF SELECTION.....	5
<b>PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION .....</b>	<b>6</b>
5.1 CERTIFICATIONS REQUIRED WITH THE BID.....	6
5.2 CERTIFICATIONS PRECEDENT TO CONTRACT AWARD AND ADDITIONAL INFORMATION .....	6
<b>PART 6 - RESULTING CONTRACT CLAUSES .....</b>	<b>7</b>
6.1 SECURITY REQUIREMENTS .....	7
6.2 REQUIREMENT .....	7
6.3 STANDARD CLAUSES AND CONDITIONS.....	7
6.4 TERM OF CONTRACT .....	7
6.5 AUTHORITIES .....	7
6.6 PAYMENT .....	8
6.7 INVOICING INSTRUCTIONS .....	9
6.8 CERTIFICATIONS .....	9
6.9 APPLICABLE LAWS.....	9
6.10 PRIORITY OF DOCUMENTS .....	9
<b>ANNEX "A" .....</b>	<b>10</b>
REQUIREMENT/BASIS OF PAYMENT .....	10

Solicitation No. - N° de l'invitation  
W107B-16AS11/A  
Client Ref. No. - N° de réf. du client  
W107B-16-AS11

Amd. No. - N° de la modif.  
File No. - N° du dossier  
KIN-5-44223

Buyer ID - Id de l'acheteur  
KIN620  
CCC No./N° CCC - FMS No./N° VME

---

## **PART 1 - GENERAL INFORMATION**

### **1.1 Requirement**

2 CER Explosive Ordnance Disposal (EOD) Squadron, CFB Petawawa, has a requirement for Mountain Climbing Equipment in support of on-going Specialized Military Training.

### **1.2 Debriefings**

Bidders may request a debriefing on the results of the bid solicitation process. Bidders should make the request to the Contracting Authority within 15 working days from receipt of the results of the bid solicitation process. The debriefing may be in writing, by telephone or in person.

### **1.3 Trade Agreements**

The requirement is subject to the provisions of the Agreement on Internal Trade (AIT).

## **PART 2 - BIDDER INSTRUCTIONS**

### **2.1 Standard Instructions, Clauses and Conditions**

All instructions, clauses and conditions identified in the bid solicitation by number, date and title are set out in the *Standard Acquisition Clauses and Conditions Manual* (<https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual>) issued by Public Works and Government Services Canada.

Bidders who submit a bid agree to be bound by the instructions, clauses and conditions of the bid solicitation and accept the clauses and conditions of the resulting contract.

The 2003 (2015-07-03) Standard Instructions - Goods or Services - Competitive Requirements, are incorporated by reference into and form part of the bid solicitation.

### **2.2 Submission of Bids**

Bids must be submitted only to Public Works and Government Services Canada (PWGSC) Bid Receiving Unit by the date, time and place indicated on page 1 of the bid solicitation.

### **2.3 Enquiries - Bid Solicitation**

All enquiries must be submitted in writing to the Contracting Authority no later than 5 calendar days before the bid closing date. Enquiries received after that time may not be answered.

Bidders should reference as accurately as possible the numbered item of the bid solicitation to which the enquiry relates. Care should be taken by Bidders to explain each question in sufficient detail in order to enable Canada to provide an accurate answer. Technical enquiries that are of a proprietary nature must be clearly marked "proprietary" at each relevant item. Items identified as "proprietary" will be treated as such except where Canada determines that the enquiry is not of a proprietary nature. Canada may edit the question(s) or may request that the Bidder do so, so that the proprietary nature of the question(s) is eliminated, and the enquiry can be answered to all Bidders. Enquiries not submitted in a form that can be distributed to all Bidders may not be answered by Canada.

### **2.4 Applicable Laws**

Any resulting contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

Bidders may, at their discretion, substitute the applicable laws of a Canadian province or territory of their choice without affecting the validity of their bid, by deleting the name of the Canadian province or territory specified and inserting the name of the Canadian province or territory of their choice. If no change is made, it acknowledges that the applicable laws specified are acceptable to the Bidders.

## **PART 3 - BID PREPARATION INSTRUCTIONS**

### **3.1 Bid Preparation Instructions**

Canada requests that Bidders provide their bid in separately bound sections as follows:

Section I: Financial Bid (1 hard copy)

Section II: Certifications (1 hard copy)

Prices must appear in the financial bid only. No prices must be indicated in any other section of the bid.

Canada requests that Bidders follow the format instructions described below in the preparation of their bid:

- (a) use 8.5 x 11 inch (216 mm x 279 mm) paper;
- (b) use a numbering system that corresponds to the bid solicitation.

In April 2006, Canada issued a policy directing federal departments and agencies to take the necessary steps to incorporate environmental considerations into the procurement process [Policy on Green Procurement](http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ecologisation-greening/achats-procurement/politique-policy-eng.html>). To assist Canada in reaching its objectives, Bidders should:

- 1) use 8.5 x 11 inch (216 mm x 279 mm) paper containing fibre certified as originating from a sustainably-managed forest and containing minimum 30% recycled content; and
- 2) use an environmentally-preferable format including black and white printing instead of colour printing, printing double sided/duplex, using staples or clips instead of cerlox, duotangs or binders.

#### **Section I: Financial Bid**

Bidders must submit their financial bid in accordance with the Basis of Payment. The total amount of Applicable Taxes must be shown separately.

##### **3.1.1 Exchange Rate Fluctuation**

[C3011T](#) (2013-11-06), Exchange Rate Fluctuation

#### **Section II: Certifications**

Bidders must submit the certifications required under Part 5.

## **PART 4 - EVALUATION PROCEDURES AND BASIS OF SELECTION**

### **4.1 Evaluation Procedures**

- (a) Bids will be assessed in accordance with the entire requirement of the bid solicitation including the technical and financial evaluation criteria.
- (b) An evaluation team composed of representatives of Canada will evaluate the bids.

#### **4.1.1 Financial Evaluation**

To be responsive the Bidder must:

- 1) Provide a Firm Unit price for all items listed in Annex A – Requirement/Basis of Payment.
- 2) Not alter the format of the Basis of Payment in Annex A.

The price of the bid will be evaluated in Canadian dollars, the Harmonized Sales Tax excluded, Delivered Duty Paid, Canadian Customs Duties and Excise Taxes included.

The Bidder's Firm Unit Price will be multiplied by the quantity to calculate the extended Firm Unit Pricing.

### **4.2 Basis of Selection**

#### **4.2.1 Basis of Selection**

A bid must comply with all requirements of the bid solicitation to be declared responsive. The responsive bid with the lowest evaluated price will be recommended for award of a contract.

## **PART 5 – CERTIFICATIONS AND ADDITIONAL INFORMATION**

Bidders must provide the required certifications and additional information to be awarded a contract.

The certifications provided by Bidders to Canada are subject to verification by Canada at all times. Canada will declare a bid non-responsive, or will declare a contractor in default if any certification made by the Bidder is found to be untrue whether made knowingly or unknowingly, during the bid evaluation period or during the contract period.

The Contracting Authority will have the right to ask for additional information to verify the Bidder's certifications. Failure to comply and to cooperate with any request or requirement imposed by the Contracting Authority will render the bid non-responsive or constitute a default under the Contract.

### **5.1 Certifications Required with the Bid**

Bidders must submit the following duly completed certifications as part of their bid.

#### **5.1.1 Declaration of Convicted Offences**

As applicable, pursuant to subsection Declaration of Convicted Offences of section 01 of the Standard Instructions, the Bidder must provide with its bid, a completed [Declaration Form](http://www.tpsgc-pwgsc.gc.ca/ci-if/formulaire-form-eng.html) (<http://www.tpsgc-pwgsc.gc.ca/ci-if/formulaire-form-eng.html>), to be given further consideration in the procurement process.

### **5.2 Certifications Precedent to Contract Award and Additional Information**

The certifications and additional information listed below should be submitted with the bid, but may be submitted afterwards. If any of these required certifications or additional information is not completed and submitted as requested, the Contracting Authority will inform the Bidder of a time frame within which to provide the information. Failure to provide the certifications or the additional information listed below within the time frame provided will render the bid non-responsive.

#### **5.2.1 Integrity Provisions – List of Names**

Bidders who are incorporated, including those bidding as a joint venture, must provide a complete list of names of all individuals who are currently directors of the Bidder.

Bidders bidding as sole proprietorship, as well as those bidding as a joint venture, must provide the name of the owner(s).

Bidders bidding as societies, firms or partnerships do not need to provide lists of names.

#### **5.2.2 Federal Contractors Program for Employment Equity - Bid Certification**

By submitting a bid, the Bidder certifies that the Bidder, and any of the Bidder's members if the Bidder is a Joint Venture, is not named on the Federal Contractors Program (FCP) for employment equity "[FCP Limited Eligibility to Bid](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)" list ([http://www.labour.gc.ca/eng/standards\\_equity/eq/emp/fcp/list/inelig.shtml](http://www.labour.gc.ca/eng/standards_equity/eq/emp/fcp/list/inelig.shtml)) available from [Employment and Social Development Canada \(ESDC\) - Labour's](#) website.

Canada will have the right to declare a bid non-responsive if the Bidder, or any member of the Bidder if the Bidder is a Joint Venture, appears on the "[FCP Limited Eligibility to Bid](#)" list at the time of contract award.

## PART 6 - RESULTING CONTRACT CLAUSES

The following clauses and conditions apply to and form part of any contract resulting from the bid solicitation.

### 6.1 Security Requirements

6.1.1 There is no security requirement applicable to this Contract.

### 6.2 Requirement

2 CER Explosive Ordnance Disposal (EOD) Squadron, CFB Petawawa, has a requirement for Mountain Climbing Equipment in support of on-going Specialized Military Training.

### 6.3 Standard Clauses and Conditions

All clauses and conditions identified in the Contract by number, date and title are set out in the [Standard Acquisition Clauses and Conditions Manual](https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) (https://buyandsell.gc.ca/policy-and-guidelines/standard-acquisition-clauses-and-conditions-manual) issued by Public Works and Government Services Canada.

#### 6.3.1 General Conditions

2010A (2015-09-03), General Conditions - Goods (Medium Complexity), apply to and form part of the Contract.

### 6.4 Term of Contract

#### 6.4.1 Delivery Date

All the deliverables must be received on or before March 31, 2016.

#### 6.4.2 Shipping Instructions – FOB Destination and DDP

Incoterms 2000 "DDP Delivered Duty Paid" CFB Petawawa, Petawawa Ontario.

### 6.5 Authorities

#### 6.5.1 Contracting Authority

The Contracting Authority for the Contract is:

Name: Marta Porter  
Title: Supply Specialist  
Public Works and Government Services Canada  
Acquisitions Branch  
Address: 86 Clarence Street, 2<sup>nd</sup> Floor  
K7L 1X3 Kingston ON.  
Telephone: 613-547-7587 Cell: 613-483-6084  
Facsimile: 613-545-8067  
E-mail address: marta.porter@pwgsc.gc.ca



Solicitation No. - N° de l'invitation  
W107B-16AS11/A  
Client Ref. No. - N° de réf. du client  
W107B-16-AS11

Amd. No. - N° de la modif.  
File No. - N° du dossier  
KIN-5-44223

Buyer ID - Id de l'acheteur  
KIN620  
CCC No./N° CCC - FMS No./N° VME

The Contracting Authority is responsible for the management of the Contract and any changes to the Contract must be authorized in writing by the Contracting Authority. The Contractor must not perform work in excess of or outside the scope of the Contract based on verbal or written requests or instructions from anybody other than the Contracting Authority.

#### **6.5.2 Technical Authority (To be filled in at time of Contract Award)**

The Technical Authority for the Contract is:

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
  
Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

The Technical Authority is the representative of the department or agency for whom the Work is being carried out under the Contract and is responsible for all matters concerning the technical content of the Work under the Contract. Technical matters may be discussed with the Technical Authority, however the Technical Authority has no authority to authorize changes to the scope of the Work. Changes to the scope of the Work can only be made through a contract amendment issued by the Contracting Authority.

#### **6.5.3 Contractor's Representative (To be entered by the Bidder)**

Name: \_\_\_\_\_  
Title: \_\_\_\_\_  
Organization: \_\_\_\_\_  
Address: \_\_\_\_\_  
  
Telephone: \_\_\_\_\_  
Facsimile: \_\_\_\_\_  
E-mail address: \_\_\_\_\_

### **6.6 Payment**

#### **6.6.1 Basis of Payment – Firm Price, Firm Unit Price(s) or Firm Lot Price(s)**

In consideration of the Contractor satisfactorily completing all of its obligations under the Contract, the Contractor will be paid firm unit price(s), as specified in Annex A for a cost of \$ \_\_\_\_\_ (*insert the amount at contract award*). Customs duties are included and Applicable Taxes are extra.

Canada will not pay the Contractor for any design changes, modifications or interpretations of the Work, unless they have been approved, in writing, by the Contracting Authority before their incorporation into the Work.

#### **6.6.2 Limitation of Price**

SACC Manual clause C6000C (2011-05-16) Limitation of Price

#### **6.6.3 Single Payment**

SACC Manual clause H1000C (2008-05-12) Single Payment

---

## 6.7 Invoicing Instructions

1. The Contractor must submit invoices in accordance with the section entitled "Invoice Submission" of the general conditions. Invoices cannot be submitted until all work identified in the invoice is completed.
2. Invoices must be distributed as follows:
  - a. The original and one (1) copy must be forwarded to the following address for certification and payment:

## 6.8 Certifications

### 6.8.1 Compliance

The continuous compliance with the certifications provided by the Contractor in its bid and the ongoing cooperation in providing additional information are conditions of the Contract. Certifications are subject to verification by Canada during the entire period of the Contract. If the Contractor does not comply with any certification, fails to provide the additional information, or if it is determined that any certification made by the Contractor in its bid is untrue, whether made knowingly or unknowingly, Canada has the right, pursuant to the default provision of the Contract, to terminate the Contract for default.

## 6.9 Applicable Laws

The Contract must be interpreted and governed, and the relations between the parties determined, by the laws in force in Ontario.

## 6.10 Priority of Documents

If there is a discrepancy between the wording of any documents that appear on the list, the wording of the document that first appears on the list has priority over the wording of any document that subsequently appears on the list.

- (a) the Articles of Agreement;
- (b) the general conditions 2010A (2015-09-03) – Goods (Medium Complexity);
- (c) Annex A, Requirement/Basis of Payment;
- (d) the Contractor's bid dated \_\_\_\_\_

Solicitation No. - N° de l'invitation  
W107B-16AS11/A  
Client Ref. No. - N° de réf. du client  
W107B-16-AS11

Amd. No. - N° de la modif.  
File No. - N° du dossier  
KIN-5-44223

Buyer ID - Id de l'acheteur  
KIN620  
CCC No./N° CCC - FMS No./N° VME

---

## **ANNEX "A"**

### **REQUIREMENT/BASIS OF PAYMENT**

#### **Pricing Instructions (To be removed at time of Contract Award):**

*Bidders will provide a firm, all-inclusive unit price in Canadian dollars (exclusive of HST). H.S.T., if applicable, is extra to the price herein and shall be shown on any invoice as a separate item. Customs duties are included.*

## Mountain Climbing Equipment Requirements for 2 CER 03 FEB 2016

#	QUANTITY	DESCRIPTIONS	UNIT PRICE	EXTENDED PRICE
1	12	<b>Roll of 8mm Black Accessory Cord- 100m Roll</b> Higher twist level in their sheaths and cores. This makes them easy to use, easy to knot and long lasting. Larger cords are best suited for prusik cords, cordelettes, ice threads, lightweight low-stretch fixing and hauling "tag" lines.	\$ _____	\$ _____
2	12	<b>Roll of 1" Tubular Mil-Spec Webbing, black Nylon- 300 'Roll 1" black MIL-SPEC nylon webbing.</b> This is a thin, non-load bearing webbing good for heavy duty tie-outs, pack loops, compression straps, carrying slings, etc	\$ _____	\$ _____
3	6	<b>Roll of 7mm wood land Accessory Camo Cord- 200m Roll</b> A very durable sheath climbing rope sand high MBS which makes them good for prusik cords, cordelettes, ice threads, lightweight low-stretch fixing and hauling "tag" lines.	\$ _____	\$ _____
4	8	<b>Roll of C-IV 11mm Performance Static Canyoneering Rope- 200m Roll / 35NK,</b> Orange tracer Tough Technora sheath guards against gritty sandstone, braided polypropylene core helps the rope float and resist the dousing. Water-resistant treatment, 2% elongation reduces stretching to keep your line from sawing over edge. Technora sheath increases cut resistance on sharp and abrasive rock. Polypropylene core floats in the water (Type: static, Diameter:9 mm, Dry Treatment: yes, Static Elongation: 2%, Sheath Construction: double-pick, Claimed Weight:( per 100 ft) 3.2 lb, Recommended Use: canyoneering, rappelling.	\$ _____	\$ _____
5	18	<b>Roll of 10.2 mm Glider Digi Camo Dynamic Rope by pattern- 230Ft. Roll</b> Dry-core rope for tactical and rescue work. Twill Pattern Technology TPT sheath weave delivers a small profile in the cross-section for improved sharp-edge abrasion resistance and reduced drag in mechanical devices. Endura Dry™ treatment penetrates to the core and bonds with the rope fiber to retard moisture gain and improve abrasion resistance. Light and easy rope to pack. Construction combines durable braided sheath and shock-absorbent core for protection from fall forces. Meets or exceeds UIAA tests for falls, impact force and elongation.	\$ _____	\$ _____

## Mountain Climbing Equipment Requirements for 2 CER 03 FEB 2016

#	QUANTITY	DESCRIPTIONS	UNIT PRICE	EXTENDED PRICE
6	1	<p><b>Kit of Multipod as follow:</b></p> <p>The set ups as it is locations and applications the Artificial Directional System (AHD). With its ability to be set up as a tripod, bipod, and monopod, this system can be made into an A-Frame, a sideways A-Frame, a Gin Pole or many other helpful rescue and rope access configurations. The ability to form as an easel A-Frame allows the rescue team to use is versatile third leg to set a high directions in a multitude of situations. High lines and tracking line offsets are easy. The ability to place pulleys directly into the Head Set with quick-pins, eliminates the use of carabiners and adds headspace and work clearance. Built with extra attachment points. Works well in rope access situations where multiple lines will be in use. Raptor and Flat feet bases are included for steadfast footing on varying terrain.</p> <p><b>Multipod Range Features:</b></p> <p>Range Weight: 100 lb (45.3 kg)</p> <p>CODURA® nylon Bags</p> <p>MBS: 36 kn (8,093 lbf)</p> <p>Inside Height: 9 ft (2.7 m)</p> <p>Height with additional legs: 12 ft (3.7 m)</p> <p>Shipping weight: 95 lb (43 kg)</p> <p><b>Kit to Includes:</b></p> <p>Head Set</p> <p>Head Set Pulley Wheel</p> <p>Head Pins (4)</p> <p>Head Backpack</p> <p>Inner Legs (3)</p> <p>Outer Legs (7)</p> <p>Leg Pins (11)</p> <p>Leg Bags w/ Shoulder Straps (3)</p> <p>Flat Feet (3)</p>		

## Mountain Climbing Equipment Requirements for 2 CER 03 FEB 2016

#	QUANTITY	DESCRIPTIONS	UNIT PRICE	EXTENDED PRICE
		Raptor Feet (3) Foot Sleeves (2) Pin Bag Pin Flags (15) Hobble Straps (3) 8 mm Cord – 40 ft (12 m) Instruction Manual	\$ _____	\$ _____
7	1	<b>Ea of Titanium Split-Apart Rescue Litter</b> Lightweight Titanium Split-Apart nests for storage, then assembles quickly., Its nested length should be less than 45 in (114 cm), and has to come at least with four litter straps. Rescue Litter Approximate Specifications: Length: 83 in (211 cm), Width: 23 in (58 cm), Height: 7.25 in (18.5 cm), Load Rating: 11 kN (2,473 lbf)	\$ _____	\$ _____
8	16	<b>Ea of Edge Canvas Rope Pad: Large 60" x 34"</b> Heavy duty canvas adapts to any surface to protect one or more ropes. Protect ropes against sharp and fragile rock and concrete edge.	\$ _____	\$ _____
9	3	<b>Ea of Hot Cutter- Rope Cutter</b> Electric rope cutter hot knife may be used to cut rope and braided sleeving. Fusing rope ends also helps protect your rope and prevents unraveling after cutting the rope. <b>Features:</b> Table top size, Operates on 110 volts AC, Lighted ON/OFF rocker switch, 5/16" blade. Heats up to 1200 deg F, Cuts and heat seals at the same time	\$ _____	\$ _____
10	12	<b>Ea of Rope Log</b> All-Weather Rope Log. Space is provided to document critical lifeline information and log use and inspection. It includes instructions on using a rope log and on inspecting and washing lifelines.	\$ _____	\$ _____
11	40	<b>Ea of PMP 2.0 Single Black.</b> Machined pulleys are milled from solid aluminum, The axle is machined as part of the side plate, allowing to use a flush head axle screw. These pulleys are more compact, stronger and lighter weight than conventional stamped pulleys. Range Weight: 11 oz (311 gm), Breaking Strength: 2 x 18 kN=36 kN, Working Load: 2 x 4kN=8 kN, Max Rope Diameter: 13 mm, Sheave Diameter: 2.0" (51 mm), Certification: CE, UIAA, NFPA G	\$ _____	\$ _____
12	4	<b>4 Ea of Kootenay Ultra Pulley</b>	\$ _____	\$ _____

## Mountain Climbing Equipment Requirements for 2 CER 03 FEB 2016

#	QUANTITY	DESCRIPTIONS	UNIT PRICE	EXTENDED PRICE
		It's a knot passing pulley use in climbing. There are two holes to separate your tag/hoist lines and to prevent spinning. Compact and lightweight, while maintaining same capacity of larger Kootenay-style pulleys. Simplifies high-strength tie-off with a single locking screw, stowable within the axle. Specifications: MBS: 39k, Working Load Limit: 66kN Single Line, Rope Diameter: 8mm - 19mm	\$ _____	\$ _____
13	4	<b>Ea of PAW Large Rigging Plate, NFPA Black</b> For easily organizing the work station and creating multi-anchor systems. Holes allow the locking sleeves of most carabiners to pass through. Made of aluminum: excellent strength-to-weight ratio. Specifications, Material(s): aluminum, Breaking strength: 36 kN, Certification(s): CE, NFPA 1983 General Use	\$ _____	\$ _____
14	60	<b>Ea of ATTACHE Carabiner, Screw-Lock, Green</b> Lightweight, compact, pear-shaped screw-lock carabiner. , the ATTACHE is designed for multiple uses related to belaying: connecting a belay system to a harness, belaying with a Munter hitch... It has an H cross section to reduce weight, as well as the Keylock system to avoid the carabiner snagging during maneuvers. Material(s): aluminum. Certification(s): CE EN 362, CE EN 12275 type H, UIAA	\$ _____	\$ _____
15	50	<b>Ea of William Carabiner, Screw-Lock, Black</b> A pear-shaped carabiner for belay stations and belaying with Munter hitch Pear shape facilitates use with the Munter hitch for single or double ropes Locking system: TRIACT-LOCK Gate opening: 24 mm	\$ _____	\$ _____
16	2	<b>Ea of Gri Gri 2 assisted Belay Device, grey</b> The belay device assis braking is designed to facilitate belay maneuvers. works equally well for lead climbing and top roping. It may be used on all 8.9 to 11 mm dynamic single ropes (optimized for 9.4 mm to 10.3 mm ropes). It's design allows for excellent descent control.	\$ _____	\$ _____

## Mountain Climbing Equipment Requirements for 2 CER 03 FEB 2016

#	QUANTITY	DESCRIPTIONS	UNIT PRICE	EXTENDED PRICE
17	17	<b>Ea of PIXA 1 60 lumens, constant lighting wide uniform beam, class I div II headlamp.</b> Headlamp keeps the hands free for work: may be worn on the head with the headband, mounted on a helmet, or placed on the ground. Mounting plate for helmets without headband (included) A lighting mode ideal for close-range work: wide, uniform beam, lights to at least 15 meters for long hours. Constant lighting, performance that does not diminish during its entire lifetime. Reserve lighting when batteries are almost discharged. Easy to use, even when wearing gloves: rotating on/off selector dial, lamp body can be oriented to direct the light according to need. Fast and easy battery change	\$ _____	\$ _____
18	22	<b>Ea of FIXE pulley, fixed side plates, black</b> FIXE Pulley with fixed side plates. The FIXE pulley is lightweight, compact, and quick to install on the rope. It offers a good balance between weight and strength. Lightweight, compact pulley is Designed for hauling systems and deviations. Fixed side plates allow quick installation and coupling with a rope clamp <b>Specifications:</b> Size: For use with ropes of 13 mm maximum diameter. Conformity: EN 12278. Breaking Load: Breaking strength : 11 kN x 2 = 22 kN. Working load : 2.5 kN x 2 = 5 kN.	\$ _____	\$ _____
19	4	<b>Ea of Vulcan carabiners, Triact Lock, Black NFPA, ANSI &amp; CSA</b> High-strength steel locking carabiner Very high quality steel for difficult conditions For use with heavy loads. Large size allows easier connection of multiple elements. Wide opening for connection to thick anchors. Keylock system helps prevent snagging of the carabiner during maneuvers Red indicator provides a visual warning when the carabiner is unlocked (on SCREW-LOCK version) Certification: Screw-Lock: NFPA Certified. Triact-Lock: NFPA, ANSI, & CSA Certified Item Numbers: M73SL M73SLN M73TLA M73TLN	\$ _____	\$ _____



## Mountain Climbing Equipment Requirements for 2 CER 03 FEB 2016

#	QUANTITY	DESCRIPTIONS	UNIT PRICE	EXTENDED PRICE
20	2	<b>Ea of Multi-Loop Contour Gear Sling.</b> Metolius created the Multi Loop Gear Sling to keep your cams, stoppers, and hexes better organized for a burly trad lead. The gear loops allows you to separate gear and eliminate the bunching that occurs with single-loop slings. The Multi Loop Gear Sling saves the day for epic endurance pitches and multi-pitch trad climbs that require a huge rack.	\$ _____	\$ _____
21	4	<b>Ea of Beal Rope Brush,</b> Rope cleaner, a simple metal spiral with bristles on the inside. Fits from skinny twin ropes up to 11mm singles	\$ _____	\$ _____
22	25	<b>Ea of Edelrid Draco 3/8 Bolt Hanger</b> A bolt hanger is a bent piece of stainless steel with two holes in it. A small hole is used to attach the bolt hanger to the threaded shaft of a mechanical bolt, usually either a wedge or sleeve bolt, with a nut, which is tightened to keep the bolt hanger on the bolt shaft. The larger hole is used for clipping or attaching a carabiner to the bolt hanger, creating a solid anchor or protection point for a climber.	\$ _____	\$ _____
23	25	<b>Ea of Bolt 3/8" X 3"</b> A stainless steel expansion-type bolt for rock climbing routes. Made of 304 stainless steel. A textured expansion sleeve helps grip rock when being tightened. Embedded depth 2.5in. shear strength is 28kN, tensile strength is 26kN. (Specs are when placed in 4000psi concrete and loaded over the threads.)	\$ _____	\$ _____
24	2	<b>Ea of 3/8" X 6" SDS Drill Bit.</b> This SDS drill bit fits most power hammer drills, and hand drills. The bit life will vary according to the rock. Estimation 15 to 20 holes in granite (though the drilling will get progressively harder), more in softer rock. 2-stage bit features softer carbide on the bottom end for a better bond to the steel and more resistance to breaking. Each cutting surface now has its own channel to clear debris. For placing 3/8 wedge bolts.	\$ _____	\$ _____
25	2	<b>Ea of 3/8" Combination Wrench</b> Long-length shafts provide greater torque than standard length combination wrenches. Anti-rounding radius corners in the 12-point box end. Wrenches made from premium alloy chrome-vanadium steel. Fully polished for comfort in your hand and easy clean-up.. Nickel-chrome plated for superior rust resistance.	\$ _____	\$ _____

## Mountain Climbing Equipment Requirements for 2 CER 03 FEB 2016

#	QUANTITY	DESCRIPTIONS	UNIT PRICE	EXTENDED PRICE
26	1	<p><b>Kit if Cordless rotary hammer drill Combihammer</b></p> <p>Being used in claiming to installed 3/8" bolth hanger and 3/4" bolts. Professionals grade tool with a cordless rotary hammer drill and chipper. Carrying case, at least 2 x 6.0 ah, 36 volt battery required with a charger. Reverse function is required.</p> <p><b>Applications:</b> Drilling electrical through penetrations. Chipping concrete for plumbing drains. Drilling for concrete application sets. Drilling hundreds of holes, one after another, for kicker plates. <b>Outperform:</b>Battery, motor and transmission designed for unmatched speed drilling into concrete. Chips like a corded tool two classes larger. Optimized electropneumatic hammering mechanism for more speed and impact energy. 6.0 ah, 36 volt battery.</p>	\$	\$
27	100	<p><b>Ea of Rock Lock Screw gate Carabineer (Brown)</b></p> <p>Largest belay and rappel locker. The carabineer features a key lock nose and is MunterHitch compatible. It's available as a screwgate or twistlock&amp;mdashboth. Can be operated with one hand.Square. Hinge end holds belay loop securely in place. Slightly curved spine maximises gate handling Keylock. Nose prevents snagging. One hand operable</p>	\$	\$
28	100	<p><b>Ea of Neutrino Non Locking (Green)</b></p> <p>With its gate opening the Neutrino is easy to clip (even with gloved hands) and its wire gate is freeze-resistant. A deep basket holds stacks of runners and adds versatility. Created for alpinists, big-wallers and anyone who needs to keep weight at a minimum.</p>	\$	\$
29	25	<p><b>Ea of Half Dome Helmet, Café color, Medium,</b></p> <p>Designed for climbing, with an improved fit and weight savings. The Half Dome is an all-purposeideal for everything from trad cragging to alpine expeditions. Normally come with a wheel adjuster for quick, secure and precise adjustments.Hybrid design with molded EPS foam, generous ventilation and highly adjustable suspension system. Headlamp clips to secure headlamp attachments</p>	\$	\$

## Mountain Climbing Equipment Requirements for 2 CER 03 FEB 2016

#	QUANTITY	DESCRIPTIONS	UNIT PRICE	EXTENDED PRICE
30	15	<b>Ea of Half Dome Helmet, Café color, Large.</b> Designed for climbing, with an improved fit and weight savings. The Half Dome is an all-purpose ideal for everything from trad cragging to alpine expeditions. Normally come with a wheel adjuster for quick, secure and precise adjustments. Hybrid design with molded EPS foam, generous ventilation and highly adjustable suspension system. Headlamp clips to secure headlamp attachments	\$ _____	\$ _____
31	15	<b>Ea of Momentum AL Harness, Cool Grey, Medium</b> The Momentum AL gives climbers of any discipline the same comfort, ventilation and durability that harnesses are known for. Momentum AL normally come with a traditional waistbelt buckle and BD's trakFIT leg loop adjustment system, which uses a simple, secure slide adjuster to quickly and easily adjust the diameter of the leg loop and provide a wide range of fit. The waistbelt is normally built with durable, breathable, and lightweight comfort without pressure points. Normannly come with adjustable, releasable rear elastic riser, 4 pressure-molded gear loops and 12 kN-rated haul loop.	\$ _____	\$ _____
32	15	<b>Ea of Momentum AL Harness, Cool Grey, Large</b> The Momentum AL gives climbers of any discipline the same comfort, ventilation and durability that harnesses are known for. Momentum AL normally come with a traditional waistbelt buckle and BD's trakFIT leg loop adjustment system, which uses a simple, secure slide adjuster to quickly and easily adjust the diameter of the leg loop and provide a wide range of fit. The waistbelt is normally built with durable, breathable, and lightweight comfort without pressure points. Normannly come with adjustable, releasable rear elastic riser, 4 pressure-molded gear loops and 12 kN-rated haul loop.	\$ _____	\$ _____
33	25	<b>Pair of Crag Glove, Black, Medium</b> Gloves use in climbing to help you keep control of the rope when belaying. They protected your hands too when cleaning, climbing via ferrata, or hammering on aid lines. Breathable stretch mesh fabric and cush knuckle padding. They are normally in synthetic leather palms and fingers, reinforced index fingers and thumbs add durability.	\$ _____	\$ _____

## Mountain Climbing Equipment Requirements for 2 CER 03 FEB 2016

#	QUANTITY	DESCRIPTIONS	UNIT PRICE	EXTENDED PRICE
34	25	Pair of Crag Glove, Black, Large. Gloves use in climbing to help you keep control of the rope when belaying. They protected your hands too when cleaning, climbing via ferrata, or hammering on aid lines. Breathable stretch mesh fabric and cush knuckle padding. They are normally in synthetic leather palms and fingers, reinforced index fingers and thumbs add durability.	\$_____	\$_____
35	50	Ea of ATC Guide, platinum Belay/Rappel Devise. ATC-Guide can be set up as an auto device when you're belaying 1 or 2 seconding climbers. Auto-block release hole lets you use a carabiner or a piece of cord to release the device when loaded so you can lower a seconding climber. Variable friction design gives great control with many rope diameters; ATC guide can handle ropes sizes from 7.7 – 11 mm in diameter. High-friction grooves provide great hold and stopping power. Double-slot design allows you to feed single or double ropes smoothly without kinking the rope.	\$_____	\$_____
36	60	Ea of Dynex Runner, 60cm Keeping rope drag and rack weight to a minimum. Built to high strength and abrasion resistance that increases durability.	\$_____	\$_____
37	20	Ea of Dynex Runner, 120cm Keeping rope drag and rack weight to a minimum. Built to high strength and abrasion resistance that increases durability.	\$_____	\$_____
38	4	Ea of Nut Tool Tool to fix nuts, retrieve deeply buried cams. Indispensable for trad climbing, the hot forged, ultralight and the Torque with built-in wrenches for tightening loose bolt hangers.	\$_____	\$_____
39	18	Ea of Super Slacker Rope Bag, 30 L, 1,831 cu in Keeping your rope clean and tangle free, the SuperSlacker spreads out flat for a clean place to flake your rope.	\$_____	\$_____

# **Mountain Climbing Equipment Requirements for 2 CER 03 FEB 2016**

#	QUANTITY	DESCRIPTIONS	UNIT PRICE	EXTENDED PRICE
40	2	<p><b>Ea of spring-loaded camming device, dual axel cam, 4 lobes, Size: .3.</b> A spring-loaded camming device (also <b>SLCD, cam or friend</b>) is a piece of rock climbing or mountaineering protection equipment. It consists of two, three, or four cams mounted on a common axle or two adjacent axles, so that pulling on the axle forces the cams to spread farther apart. This is then attached to a sling and carabiner at the end of the stem. The SLCD is used by pulling on the "trigger" (a small handle) so the cams move together, then inserting it into a crack or pocket in the rock and releasing the trigger to allow the cams to expand. A pull on the rope, such as that generated by a climber falling, will cause a properly placed SLCD to convert the pulling force along the stem of the unit into outwards pressure on the rock, generating massive amounts of friction and preventing the removal of the unit from the rock. Because of the large forces which are exerted on the rock when an SLCD is fallen on, it is very important that SLCDs are only placed in solid, strong rock.</p>	\$	\$
41	2	<p><b>Ea of Spring-loaded camming device, dual axel cam, 4 lobes,, Size: .4</b></p> <p>A spring-loaded camming device (also <b>SLCD, cam or friend</b>) is a piece of rock climbing or mountaineering protection equipment. It consists of two, three, or four cams mounted on a common axle or two adjacent axles, so that pulling on the axle forces the cams to spread farther apart. This is then attached to a sling and carabiner at the end of the stem. The SLCD is used by pulling on the "trigger" (a small handle) so the cams move together, then inserting it into a crack or pocket in the rock and releasing the trigger to allow the cams to expand. A pull on the rope, such as that generated by a climber falling, will cause a properly placed SLCD to convert the pulling force along the stem of the unit into outwards pressure on the rock, generating massive amounts of friction and preventing the removal of the unit from the rock. Because of the large forces which are exerted on the rock when an SLCD is fallen on, it is very important that SLCDs are only placed in solid, strong rock.</p>	\$	\$
42	2	<p><b>Ea of Spring-loaded camming device, dual axel cam, 4 lobes, Size: .5</b></p>	\$	\$

# **Mountain Climbing Equipment Requirements for 2 CER 03 FEB 2016**

#	QUANTITY	DESCRIPTIONS	UNIT PRICE	EXTENDED PRICE
		<p>A spring-loaded camming device (also <b>SLCD</b>, <b>cam</b> or <b>friend</b>) is a piece of rock climbing or mountaineering protection equipment. It consists of two, three, or four cams mounted on a common axle or two adjacent axles, so that pulling on the axle forces the cams to spread farther apart. This is then attached to a sling and carabiner at the end of the stem. The SLCD is used by pulling on the "trigger" (a small handle) so the cams move together, then inserting it into a crack or pocket in the rock and releasing the trigger to allow the cams to expand. A pull on the rope, such as that generated by a climber falling, will cause a properly placed SLCD to convert the pulling force along the stem of the unit into outwards pressure on the rock, generating massive amounts of friction and preventing the removal of the unit from the rock. Because of the large forces which are exerted on the rock when an SLCD is fallen on, it is very important that SLCDs are only placed in solid, strong rock.</p>	\$ _____	\$ _____
43	2	<p><b>Ea of Spring-loaded camming device, dual axel cam, 4 lobes, Size: .75.</b> A spring-loaded camming device (also <b>SLCD</b>, <b>cam</b> or <b>friend</b>) is a piece of rock climbing or mountaineering protection equipment. It consists of two, three, or four cams mounted on a common axle or two adjacent axles, so that pulling on the axle forces the cams to spread farther apart. This is then attached to a sling and carabiner at the end of the stem. The SLCD is used by pulling on the "trigger" (a small handle) so the cams move together, then inserting it into a crack or pocket in the rock and releasing the trigger to allow the cams to expand. A pull on the rope, such as that generated by a climber falling, will cause a properly placed SLCD to convert the pulling force along the stem of the unit into outwards pressure on the rock, generating massive amounts of friction and preventing the removal of the unit from the rock. Because of the large forces which are exerted on the rock when an SLCD is fallen on, it is very important that SLCDs are only placed in solid, strong rock.</p>	\$ _____	\$ _____
44	2	<p><b>Ea of Spring-loaded camming device, dual axel cam, 4 lobes Size: 1</b></p>	\$ _____	\$ _____

# **Mountain Climbing Equipment Requirements for 2 CER 03 FEB 2016**

#	QUANTITY	DESCRIPTIONS	UNIT PRICE	EXTENDED PRICE
		<p>A spring-loaded camming device (also <b>SLCD</b>, <b>cam</b> or <b>friend</b>) is a piece of rock climbing or mountaineering protection equipment. It consists of two, three, or four cams mounted on a common axle or two adjacent axles, so that pulling on the axle forces the cams to spread farther apart. This is then attached to a sling and carabiner at the end of the stem. The SLCD is used by pulling on the "trigger" (a small handle) so the cams move together, then inserting it into a crack or pocket in the rock and releasing the trigger to allow the cams to expand. A pull on the rope, such as that generated by a climber falling, will cause a properly placed SLCD to convert the pulling force along the stem of the unit into outwards pressure on the rock, generating massive amounts of friction and preventing the removal of the unit from the rock. Because of the large forces which are exerted on the rock when an SLCD is fallen on, it is very important that SLCDs are only placed in solid, strong rock</p>	\$ _____	\$ _____
45	2	<p><b>Ea of Spring-loaded camming device, dual axel cam, 4 lobes Size: 2</b></p> <p>A spring-loaded camming device (also <b>SLCD</b>, <b>cam</b> or <b>friend</b>) is a piece of rock climbing or mountaineering protection equipment. It consists of two, three, or four cams mounted on a common axle or two adjacent axles, so that pulling on the axle forces the cams to spread farther apart. This is then attached to a sling and carabiner at the end of the stem. The SLCD is used by pulling on the "trigger" (a small handle) so the cams move together, then inserting it into a crack or pocket in the rock and releasing the trigger to allow the cams to expand. A pull on the rope, such as that generated by a climber falling, will cause a properly placed SLCD to convert the pulling force along the stem of the unit into outwards pressure on the rock, generating massive amounts of friction and preventing the removal of the unit from the rock. Because of the large forces which are exerted on the rock when an SLCD is fallen on, it is very important that SLCDs are only placed in solid, strong rock</p>	\$ _____	\$ _____
46	2	<p><b>Ea of Spring-loaded camming device, dual axel cam, 4 lobes Size: 3</b></p>	\$ _____	\$ _____

# **Mountain Climbing Equipment Requirements for 2 CER 03 FEB 2016**

#	QUANTITY	DESCRIPTIONS	UNIT PRICE	EXTENDED PRICE
		<p>A spring-loaded camming device (also <b>SLCD</b>, <b>cam</b> or <b>friend</b>) is a piece of rock climbing or mountaineering protection equipment. It consists of two, three, or four cams mounted on a common axle or two adjacent axles, so that pulling on the axle forces the cams to spread farther apart. This is then attached to a sling and carabiner at the end of the stem. The SLCD is used by pulling on the "trigger" (a small handle) so the cams move together, then inserting it into a crack or pocket in the rock and releasing the trigger to allow the cams to expand. A pull on the rope, such as that generated by a climber falling, will cause a properly placed SLCD to convert the pulling force along the stem of the unit into outwards pressure on the rock, generating massive amounts of friction and preventing the removal of the unit from the rock. Because of the large forces which are exerted on the rock when an SLCD is fallen on, it is very important that SLCDs are only placed in solid, strong rock</p>	\$ _____	\$ _____
47	2	<p><b>Ea of Spring-loaded camming device, dual axel cam, 4 lobes Size: 4</b></p> <p>A spring-loaded camming device (also <b>SLCD</b>, <b>cam</b> or <b>friend</b>) is a piece of rock climbing or mountaineering protection equipment. It consists of two, three, or four cams mounted on a common axle or two adjacent axles, so that pulling on the axle forces the cams to spread farther apart. This is then attached to a sling and carabiner at the end of the stem. The SLCD is used by pulling on the "trigger" (a small handle) so the cams move together, then inserting it into a crack or pocket in the rock and releasing the trigger to allow the cams to expand. A pull on the rope, such as that generated by a climber falling, will cause a properly placed SLCD to convert the pulling force along the stem of the unit into outwards pressure on the rock, generating massive amounts of friction and preventing the removal of the unit from the rock. Because of the large forces which are exerted on the rock when an SLCD is fallen on, it is very important that SLCDs are only placed in solid, strong rock</p>	\$ _____	\$ _____
48	2	<p><b>Ea of Spring-loaded camming device, dual axel cam, 3 lobes C3, Size: 000</b></p> <p>A spring-loaded camming device (also <b>SLCD</b>, <b>cam</b> or <b>friend</b>) is a piece of rock climbing or mountaineering protection equipment. It consists of two, three, or four cams mounted on a common axle or two adjacent axles, so that pulling on the axle forces the cams to spread farther apart. This is then attached to a sling and carabiner at the end of the stem. The SLCD is used by pulling on the "trigger" (a small handle) so the cams move together, then inserting it into a crack or pocket in the rock and releasing the trigger to allow the cams to expand. A pull on the rope, such as that generated by a climber falling, will cause a properly placed SLCD to convert the pulling force along the stem of the unit into outwards pressure on the rock, generating massive amounts of friction and preventing the removal of the unit from the rock. Because of the large forces which are exerted on the rock when an SLCD is fallen on, it is very important that SLCDs are only placed in solid, strong rock</p>	\$ _____	\$ _____



# **Mountain Climbing Equipment Requirements for 2 CER 03 FEB 2016**

#	QUANTITY	DESCRIPTIONS	UNIT PRICE	EXTENDED PRICE
		<p>A spring-loaded camming device (also <b>SLCD</b>, <b>cam</b> or <b>friend</b>) is a piece of rock climbing or mountaineering protection equipment. It consists of two, three, or four cams mounted on a common axle or two adjacent axles, so that pulling on the axle forces the cams to spread farther apart. This is then attached to a sling and carabiner at the end of the stem. The SLCD is used by pulling on the "trigger" (a small handle) so the cams move together, then inserting it into a crack or pocket in the rock and releasing the trigger to allow the cams to expand. A pull on the rope, such as that generated by a climber falling, will cause a properly placed SLCD to convert the pulling force along the stem of the unit into outwards pressure on the rock, generating massive amounts of friction and preventing the removal of the unit from the rock. Because of the large forces which are exerted on the rock when an SLCD is fallen on, it is very important that SLCDs are only placed in solid, strong rock</p>	\$ _____	\$ _____
49	2	<p><b>Ea of Spring-loaded camming device, dual axel cam, 3 lobes C3, Size: 00</b></p>	\$ _____	\$ _____
		<p>A spring-loaded camming device (also <b>SLCD</b>, <b>cam</b> or <b>friend</b>) is a piece of rock climbing or mountaineering protection equipment. It consists of two, three, or four cams mounted on a common axle or two adjacent axles, so that pulling on the axle forces the cams to spread farther apart. This is then attached to a sling and carabiner at the end of the stem. The SLCD is used by pulling on the "trigger" (a small handle) so the cams move together, then inserting it into a crack or pocket in the rock and releasing the trigger to allow the cams to expand. A pull on the rope, such as that generated by a climber falling, will cause a properly placed SLCD to convert the pulling force along the stem of the unit into outwards pressure on the rock, generating massive amounts of friction and preventing the removal of the unit from the rock. Because of the large forces which are exerted on the rock when an SLCD is fallen on, it is very important that SLCDs are only placed in solid, strong rock</p>	\$ _____	\$ _____
50	2	<p><b>Ea of Spring-loaded camming device, dual axel cam, 3 lobes C3, Size: 0</b></p>	\$ _____	\$ _____

## Mountain Climbing Equipment Requirements for 2 CER 03 FEB 2016

#	QUANTITY	DESCRIPTIONS	UNIT PRICE	EXTENDED PRICE
		<p>A spring-loaded camming device (also <b>SLCD</b>, <b>cam</b> or <b>friend</b>) is a piece of rock climbing or mountaineering protection equipment. It consists of two, three, or four cams mounted on a common axle or two adjacent axles, so that pulling on the axle forces the cams to spread farther apart. This is then attached to a sling and carabiner at the end of the stem. The SLCD is used by pulling on the "trigger" (a small handle) so the cams move together, then inserting it into a crack or pocket in the rock and releasing the trigger to allow the cams to expand. A pull on the rope, such as that generated by a climber falling, will cause a properly placed SLCD to convert the pulling force along the stem of the unit into outwards pressure on the rock, generating massive amounts of friction and preventing the removal of the unit from the rock. Because of the large forces which are exerted on the rock when an SLCD is fallen on, it is very important that SLCDs are only placed in solid, strong rock</p>	\$ _____	\$ _____
51	2	<p><b>Ea of Spring-loaded camming device, dual axel cam, 3 lobes C3, Size: 1</b></p> <p>A spring-loaded camming device (also <b>SLCD</b>, <b>cam</b> or <b>friend</b>) is a piece of rock climbing or mountaineering protection equipment. It consists of two, three, or four cams mounted on a common axle or two adjacent axles, so that pulling on the axle forces the cams to spread farther apart. This is then attached to a sling and carabiner at the end of the stem. The SLCD is used by pulling on the "trigger" (a small handle) so the cams move together, then inserting it into a crack or pocket in the rock and releasing the trigger to allow the cams to expand. A pull on the rope, such as that generated by a climber falling, will cause a properly placed SLCD to convert the pulling force along the stem of the unit into outwards pressure on the rock, generating massive amounts of friction and preventing the removal of the unit from the rock. Because of the large forces which are exerted on the rock when an SLCD is fallen on, it is very important that SLCDs are only placed in solid, strong rock</p>	\$ _____	\$ _____

## Mountain Climbing Equipment Requirements for 2 CER 03 FEB 2016

#	QUANTITY	DESCRIPTIONS	UNIT PRICE	EXTENDED PRICE
52	2	<b>Ea of Spring-loaded camming device, dual axel cam, 3 lobes C3, Size: 2.</b> A spring-loaded camming device (also <b>SLCD, cam</b> or <b>friend</b> ) is a piece of rock climbing or mountaineering protection equipment. It consists of two, three, or four cams mounted on a common axle or two adjacent axles, so that pulling on the axle forces the cams to spread farther apart. This is then attached to a sling and carabiner at the end of the stem. The SLCD is used by pulling on the "trigger" (a small handle) so the cams move together, then inserting it into a crack or pocket in the rock and releasing the trigger to allow the cams to expand. A pull on the rope, such as that generated by a climber falling, will cause a properly placed SLCD to convert the pulling force along the stem of the unit into outwards pressure on the rock, generating massive amounts of friction and preventing the removal of the unit from the rock. Because of the large forces which are exerted on the rock when an SLCD is fallen on, it is very important that SLCDs are only placed in solid, strong rock	\$ _____	\$ _____
53	9	<b>Pack of 6 carabineers color codes matching the Spring loaded camming device</b> Best use in climbing Mountaineering. Non locking carabineer, wire gate type, 22 mm open gate clearance, 20 kilonewtons strength major axis closed, 8 kilonewtons strength major axis open and 7 kilonewtons strength minor axis.	\$ _____	\$ _____
54	2	<b>Sets of Stopper Set Pro No. 1-I3</b> Stoppers are the descendants of the original chocks. A full set of all sizes of Stoppers on a carabiner to protect everything from tip seams to finger cracks. Stoppers are an essential for every trad rack, designed with a transverse taper that permits sideways placements in flares and shallow seams. Anodized by size, they're quickly identifiable and rounded edges make for easy removal. Each Stopper is equipped with a durable, galvanized steel cable. Durable aluminum heads and steel cables. *Sizes 1 and 2 are for direct aid only. [size 1-2] 2 kN (450 lbf) / [size 3] 5 kN (1124 lbf) / [size 4-5] 6 kN (1349 lbf) / [size 6-12] 10 kN (2248 lbf)	\$ _____	\$ _____

Mountain Climbing Equipment Requirements for 2 CER 03 FEB 2016

#	QUANTITY	DESCRIPTIONS	UNIT PRICE	EXTENDED PRICE
55	6	Ea of Positron Carabiner, Bent Gate. Bent Gate Carabiner delivers the anti-snag benefits of a keylock nose. It's ideal for racking and placing stoppers, or using on the rope-end of a quickdraw. Best use in climbing, non-looking carabiner, bent gate type, 26 mm gate open clearance, 25 kilonewtons strength major axis closed, 8 kilonewtons strength major axis open and 8 kilonewtons strength minor axis.	\$ _____	\$ _____