

METRIC

A-A-59833

August 28, 2009

COMMERCIAL ITEM DESCRIPTION

ANCHOR, ROCK, PITON

This commercial item description is approved for use by the Defense Supply Center, Philadelphia and is available for use by all Departments and Agencies of the Department of Defense.

1. SCOPE. This commercial item description covers the requirements for pitons which are used for protecting climbers on steep rock routes by placing the pitons into cracks in the rock.

2. CLASSIFICATION. The pitons will be furnished in the following types and sizes:

2.1 Types.

Type I – Flat

Type II – Offset

2.2 Sizing.

Type I – Sizes 1-6

Type II – Sizes 1-6

3. SALIENT CHARACTERISTICS. The pitons design shall provide ease of use with the typical combat gloves.

3.1 Type I. The piton shall be a flat blade-shaped design. The pitons width shall taper from the eye to the end. There shall be one carabiner hole on the main blade perpendicular to the width of the blade. The pitons thickness shall be tapered along its length from the eye to the end. The pitons thickness shall be measured at the blade's midpoint. The Type I piton shall be as light-weight as possible, while meeting the standards described in the description in Table I.

Comments, suggestions, or questions on this document should be addressed to: Defense Supply Center Philadelphia, Clothing and Textiles Directorate, Attn: DSCP Standardization Team, 700 Robbins Avenue, Philadelphia, PA 19111-5096. Since contact information can change, you may want to verify the currency of this address information using Acquisition Streamlining and Standardization Information System (ASSIST) online database at <http://assist.daps.dla.mil/>.

AMSC N/A

FSC 8465

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TABLE I. Physical characteristics Type I

	Thickness (mm)	Length (mm)	Weight (grams)
Size	$\pm/- 0.3$	$\pm/- 0.3$	$\pm/ - 10\%$
1	4	44.4	56
2	6.3	50.8	70
3	7.9	57.1	84
4	9.5	73	99
5	4.7	82.5	84
6	6.3	85.7	99

3.1.2 Type II. The piton shall be a flat blade-shaped design with a rounded offset 90 degrees to the blade. The pitons width shall taper from the eye to the end. There shall be two carabiner holes, one on the offset and another adjacent to the offset on the main blade. The pitons thickness shall be tapered along its length from the eye to the end. The pitons thickness shall be measured directly above the hole in line with the blade of the piton. The Type II piton shall be as light-weight as possible, while meeting the standards described in the description in Table II.

TABLE II. Physical characteristics Type II

	Thickness (mm)	Length (mm)	Weight (grams)
Size	$\pm/- 0.3$	$\pm/- 0.3$	$\pm/ - 10\%$
1	3.2	76.2	20
2	3.2	88.9	22
3	4	88.9	65
4	4	117.5	76
5	4.7	92.1	70
6	4.7	123.8	84

3.2 Color. The pitons shall be provided in a low reflectance, matte finish and provide low contrast with typical use terrain.

3.3 Materials.

3.3.1 Basic Material The pitons shall be chromium-molybdenum alloy 4130 steel with a black oxide finish.

3.4 Tests. The piton shall meet the breaking strength and design requirements of International Mountaineering and Climbing Federation (Union Internationale des Association d'Alpinisme) - UIAA Standard 122

3.5 Workmanship. The finished anchor rock piton shall conform to the quality of product established by this commercial item description and as specified in the solicitation and/or contract.

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4. REGULATORY REQUIREMENTS. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

4.1 Recycled, recovered, or environmentally preferable materials. Recycled, recovered, or environmentally preferable materials should be used to the maximum extent possible, provided that the material meets or exceeds the operational and maintenance requirements and promotes economically advantageous life cycle costs.

5. PRODUCT CONFORMANCE PROVISIONS.

5.1 Product conformance. The products provided shall meet the salient characteristics of this commercial item description, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be the same product offered for sale in the commercial marketplace. The Government reserves the right to require proof of such conformance.

5.2 Visual examination. Each piton shall be examined for the following defects as listed in Table III:

TABLE III. End item examination

Examine	Defect Description
Finish	Not smooth and adherent
Construction	Not free of burrs, rough spots, slivers, flat areas or projections
	Any component loose, missing or not specified type
	Any component fractured, slit, punctured, dented, bowed, malformed or damaged
	Marking etched or indented, contains rough or sharp edges
Label and instruction slip	Incorrect, illegible, omitted or misplaced.
Marking	Omitted, missing information or illegible

5.3 Acceptance criteria. Acceptance criteria shall be as specified in the contract or purchase order (see 7.2).

6. PACKAGING.

6.1 Preservation, packing and marking. The preservation, packing and marking shall be as specified in the contract or order (see 7.2).

7. NOTES.

7.1 Sources of documents.

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7.1.1 Government Documents. Copies of Government documents are available online at <http://assist.daps.dla.mil/quicksearch/> or from the Standardization Documents Order Desk, Building 4D, 700 Robbins Avenue, Philadelphia, PA 19111-5094.

DRAWINGS

U.S. ARMY NATICK SOLDIER CENTER

3-3-0123 Anchor Rock, Piton, Type I

3-3-0124 Anchor, Rock, Piton, Type II

(Copies of drawings are available from the U.S. Army Natick Research Development and Engineering Center, Natick Soldier Center, ATTN: NSRDEC-RDNS-WPW-C, Natick, MA 01760)

7.1.2 Non-Government Documents. Non-Government standards and other publications are normally available from the organizations that prepare or distribute the documents. These documents may be available in or through libraries or other informational services.

INTERNATIONAL MOUNTAINEERING AND CLIMBING FEDERATION
UNION INTERNATIONALE DES ASSOCIATIONS D'ALPINISME (UIAA)

UIAA Safety Standard 122 Mountaineering and Climbing Equipment, Pitons

(Copies are available online at www.theuiaa.org or from the Union Internationale Des Associations D'Alpinisme (UIAA) Monbijoustrasse 61 Postfach CH-3000 Bern 23 Switzerland)

7.1.3 Federal Acquisition Regulations are available online at <http://acquisition.gov/far/index.html> or by contacting the Superintendent of Documents at 202-512-1800.

7.2 Ordering Data. The contract or order should specify the following:

- a. Title, number, and date of this Commercial Item Description
- b. Type and size required (see 2.1, 2.2)
- c. Acceptance criteria (see 5.3)
- d. Packaging (see 6.1)

MILITARY INTERESTS:

CIVIL AGENCY COORDINATING ACTIVITY:

Custodian:

Army - GL

Marine Corps – MC

PREPARING ACTIVITY:

GL-Army

Project 8465-2009-016

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