

INCH-POUND

A-A-59854
12 January 2010

COMMERCIAL ITEM DESCRIPTION

HAMMER, MOUNTAINEERING

The General Services Administration has authorized the use of this commercial item description, for all federal agencies.

1. **SCOPE.** This commercial item description covers the requirements for piton hammers which are used to pound pitons into rock cracks for protection.
2. **CLASSIFICATION.** The hammer mountaineering will be furnished in one size with a leash.
3. **SALIENT CHARACTERISTICS.** The hammer shall be comprised of a head, shaft and leash and being able to easily drive Anchor, Rock, Pitons A-A-59833 in rock. The hammer, with leash, shall weigh no more than 70 grams and shall provide ease of use with typical combat gloves and be as lightweight as possible, while meeting the standards in this description.
 - 3.1 **Head.** The hammer mountaineering head shall be of an investment cast design. The head shall have a hammer face and a curved pick end. The hammer shall be strong enough to withstand rock testing and driving pitons into rock cracks. The pick shall be drooped for leveraging out pitons. The pick shall have a hole for attaching to carabiners to leverage out pitons. The hammer face shall be approximately 2.5 centimeters X 2.5 centimeters.
 - 3.1.1 **Shaft.** The shaft of the hammer shall be straight. The shaft shall include an eyelet for a wrist loop and harness leash. The hammer shaft shall be approximately 25 centimeters in length.

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/>.

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3.1.2 Leash. The leash shall be removable and replaceable and shall be in accordance with Type I, Size III as specified in accordance with the Webbing Mountaineering A-A-59840 and shall be attached by a non-permanent knot. The leash shall only be intended for security, not weight bearing. The length of the leash shall be 46 (\pm) 2 inches.

3.2 Color. The mountaineering hammer shall be provided in a low reflectance, matte finish and provide low contrast with typical use terrain unless otherwise specified in the solicitation or contract order (see 7.2).

3.3 Materials.

3.3.1 Head material. The head of the hammer shall be constructed of 17-4 stainless steel.

3.3.2 Shaft material. The shaft of the hammer shall be constructed of hickory, treated with linseed oil.

3.3.3 Leash material. The leash shall be 1/2 inch tubular webbing.

3.4 Tests. The hammer head/pick shall be hardened and tempered to a Rockwell hardness of C25 to C50.

3.5 Workmanship. The finished hammer shall conform to the quality of product established by this document. The occurrence of defects shall not exceed the contractors own quality assurance standards and the quality assurance standards defined in the technical data in the solicitation and/or contract.

3.6 Service life. The hammer shall have no unexpected material or component failures during a continuous one-year cycle. The hammer shall have no unexpected material or component failures during periodic use over a five year period.

3.7 Labels/barcoding/instruction slip. If applicable, all labeling, barcoding and instruction slip requirements shall be as specified in the solicitation or contract (see 7.2).

3.7.1 Labels. Each Hammer Mountaineering shall have identification label Class 5 conforming to Type VI of MIL-DTL-32075. The color of the label shall be white. The following information shall be included in the printing for the identification label for the hammer mountaineering.

HAMMER, MOUNTAINEERING
NSN: XXXX-XX-XXX-XXXX

The following instruction information shall be supplied:

- a. the name or trademark of the manufacturer, importer or supplier
- b. the meaning of any markings on the product
- c. the use of the product

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- d. how to choose other components for use in the system
- e. how to maintain and service the product
- f. the lifespan of the product or how to assess it
- g. the effects of chemical reagents and temperature on the product
- h. the effects of storage and aging
- i. identification of the model, if more than one model is available

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 Descriptions, 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 hammer shall be examined for the following defects as listed in Table I.

TABLE I. End item examination

Examine	Defect Description
Examine	Defect Description
Finish	Not smooth and adherent
	Not low reflectance, matte finish
	Does not provide low contrast with typical use terrain
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

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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.

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

3-3-0102 Hammer, Mountaineering

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

7.1.3 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.

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

- a. Title, number, and date of this Commercial Item Description.
- b. Type, size and color required (see 2 and 3.2).
- c. When required, labeling, barcoding, and instruction slip (see 3.7)
- d. Acceptance criteria (see 5.3).
- e. Packaging (see 6.1).

7.3 Key words.

Pin
Piton

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MILITARY INTERESTS:

CIVIL AGENCY COORDINATING ACTIVITY:

GSA – FSS

Custodian:

Army - GL

Marine Corps – MC

PREPARING ACTIVITY:

DLA-CT

Project 4240-2010-004

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