

METRIC

A-A-50116A

February 21, 1990

SUPERSEDING

A-A-50116

May 20, 1987

COMMERCIAL ITEM DESCRIPTION**AXE, ICE**

The General Services Administration has authorized the use of this commercial item description.

1. SALIENT CHARACTERISTICS

1.1 Design and construction. The ice axe shall be 70 ± 3 cm in length when measured from the top of the head to the point of the spike. The minimum axe head length (measured from pick end to adze end along the top curvature of the head) shall be 28 cm. The head shall be either stainless steel with a riveted chrome-molybdenum steel pick or a one-piece chrome-molybdenum steel head. The pick shall have ground teeth on its underside and a 15 degree angled droop. The adze (chopping portion of the head) shall be $55 \pm 1/2$ mm wide and ground to a sharp edge. The head shall have a minimum 15.9 mm hole directly above the shaft for attachment of a wrist loop. The shaft shall be hollow aluminum, fiberglass or graphite reinforced fiberglass in construction. The spike shall be chrome-molybdenum steel and come to a sharp tapered point. The maximum weight shall be 1260 grams. The color of the finished ice axe shall be flat black produced by a baked on enamel on the shaft and black oxide finish on head and spike. The manufacturer's identification symbol shall be stamped or painted on the ice axe shaft. The ice axe must be U.I.A.A. (Union Internationale des Associations d'Alpinisme) approved.

2. QUALITY ASSURANCE

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent to: Commander, U.S. Army Natick Research, Development, and Engineering Center, Natick, MA 01760-5014.

AMSC N/A

FSC 5110

DISTRIBUTION STATEMENT A. Approved for public release; distribution is unlimited.

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2.1 Certification. The contractor shall certify, and maintain substantiating evidence, that the product offered meets the salient characteristics and requirements of this Commercial Item Description, and that the product conforms to the producer's own drawings, specifications, standards, and quality assurance practices. The Government reserves the right to require proof of such conformance prior to first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

2.2 Visual examination. Each lot of axes shall be inspected in accordance with MIL-STD-105. The inspection level shall be II and the acceptable quality level (AQL), expressed in terms of defects per hundred units, shall be 4.0. The lot size shall be expressed in units of axes. The sample unit shall be one axe. The axes shall be examined for the defects listed below:

Finish not smooth and adherent; not free of burrs, rough spots, sharp edges, slivers, flat areas or projections; any component missing or not specified type; any component fractured, split, dented, bowed, malformed, damaged or loose; rivets not properly peened; head and spike not firmly attached to shaft; pick teeth not smooth; markings in wrong location, incomplete, illegible, incomplete, or not as specified.

2.3 Dimensional examination. The axes shall be examined without damaging or disassembling the axes. Any dimension not within the specified tolerances shall be classified as a defect. The lot size shall be expressed in units of axes. The sample unit shall be one axe. The inspection level shall be S-3 and the AQL, expressed in terms of defects per hundred units, shall be 2.5.

3. PACKAGING

3.1 Packaging. Each axe shall be packaged in a snug-fitting box fabricated from 200 pound test corrugated fiberboard.

3.2 Packing. Twenty-four axes, packaged as specified, shall be packed in a snug-fitting, corrugated, fiberboard shipping container conforming to style RSC, type CF, class domestic, grade 275 of PPP-B-636. The shipping container shall be completely filled with no voids and of a size that can be palletized in accordance with MIL-STD-147. Each shipping container shall be closed in accordance with the appendix of PPP-B-636.

3.3 Palletization. When specified (see 4.2), axes, packed as specified, shall be palletized on a 4-way entry pallet in accordance with load type Ia of MIL-STD-147. Each prepared load shall be bonded with primary and secondary straps in accordance with bonding means C and D, or film F or G, in accordance with MIL-STD-147.

3.4 Marking. In addition to any special markings required by the contract or purchase order, unit packs, shipping containers, and palletized unit loads shall be marked in accordance with MIL-STD-129.

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4. NOTES

4.1 Intended use. The ice axe is intended to be used to provide direct aid for men in operations involving steep ascents on ice and glacier terrain.

4.2 Ordering data. Acquisition documents should specify the following:

- a. Title, number, and date of this document.
- b. When palletization is required (see 3.3).

4.3 Sources of documents.

4.3.1 Source of government documents. Copies of military and Federal documents are available from:

Standardization Documents Order Desk
Bldg. 4D, 700 Robbins Avenue
Philadelphia, PA 19111-5094

MILITARY INTERESTS:

Custodian

Army - GL

Review activity

DLA - CT

User activity

Navy - MC

CIVIL AGENCY COORDINATING ACTIVITY

GSA - FSS

PREPARING ACTIVITY:

Army - GL

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