

INCH-POUND

A-A-50117A

February 21, 1990

SUPERSEDING

A-A-50117

April 13, 1987

COMMERCIAL ITEM DESCRIPTION

CRAMPONS, HINGED

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

1. SALIENT CHARACTERISTICS

1.1 Design and construction. The crampons shall be AISI 4130 chrome-molybdenum steel. The crampon shall have 12 spikes and an adjustable center hinge to adjust the length of the crampon. All nuts necessary for assembly shall be furnished with a nylon locking insert. The crampon shall also be fully adjustable in width to be compatible with insulated, cold weather boots (MIL-B-41816), ski-mountain boots (MIL-B-43739), and commercial plastic mountaineering boots with the aid of a big foot center piece when necessary. The crampon shall have six attachment points for 1/2-inch wide strap binding. The crampons shall be furnished with all tools and hardware necessary to assemble and adjust the crampons. The crampons shall be black or gold in color with an epoxy coating. The crampons shall be furnished in pairs. Maximum weight per pair, including tools, shall be 750 grams. The manufacturer's identification symbol shall be stamped on the crampon.

2. QUALITY ASSURANCE

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.

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 8465

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

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2.2 Visual examination. Each lot of crampons 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 crampons. The sample unit shall be one crampon. The crampons shall be examined for the defects listed below:

Finish not smooth and adherent; not free of burrs, forging laps, rough spots, sharp edges (except for crampon spikes which shall come to a point), slivers, flat areas or projections; any component missing or not specified type; any component fractured, split, dented, bowed, malformed, damaged or loose; markings in wrong location, incomplete, illegible, incomplete, or not as specified.

2.3 Dimensional examination. The crampons shall be examined without damaging or disassembling the crampons. Any dimension not within the specified tolerances shall be classified as a defect. The lot size shall be expressed in units of crampons. The sample unit shall be one crampon. 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 pair of crampons shall be packaged in a snug-fitting box fabricated from corrugated fiberboard.

3.2 Packing. Twenty-four pair of crampons, 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), crampons 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 bonding means 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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NOTES

4.1 Intended use. The crampons are intended to be used when walking on ice or ascending and descending steep ice faces to prevent slipping.

4.2 Order 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:

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