

INCH-POUND

A-A-50379

29 August 1990

COMMERCIAL ITEM DESCRIPTION

MITTEN SHELLS, MEN'S

This Commercial Item Description is authorized for use in preference to MIL-M-18203.

1. ABSTRACT

1.1 Scope. This commercial item description covers the requirements for a men's leather work mitten shell of one type and size only to be worn over knit mittens in cold weather.

2. SALIENT CHARACTERISTICS

2.1 Design and construction. The mitten shells shall be leather and shall be an unlined "Chopper" type with a continuous thumb and a buckle strap wrist closure (see Figure 1). All seams shall be on the inside of the mitten shell.

2.2 Material.

2.2.1 Leather. The leather used for the mitten shall be full grain chrome tanned cowhide bends conforming to type II, class B of MIL-L-40051. The color of the leather shall be cream.

2.2.2 Loop and buckle strap. The loop and buckle strap shall be leather as specified in 2.2.1 or 5/8 inch tape conforming to type I, Class 1 or 3 of MIL-T-43566. The tape may be water repellent treated and when class 3 is used, the color shall be olive drab.

2.2.3 Buckles. The buckles shall be steel, 5/8 inch, double bar, tongueless, lip type II, style 3, class 3 of MIL-B-543.

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Officer in Charge, Navy Clothing and Textile Research Facility, P.O. Box 59, Natick, MA 01760-0001 by using the self-addressed Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A

FSC 8415

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2.3 Measurements. The finished measurements of the mitten shells shall be as shown below. Measurements shall be made as indicated in Figure 1. All measurements and tolerances are expressed in inches.

| Area | Measurements | Tolerances |
|--|--------------|------------|
| A. Overall length | 10 1/4 | + 1/2 |
| B. Width (across palm at thumb crotch) | 5 1/4 | + 1/4 |
| C. Gauge, thumb crotch straight to top of mitten | 5 1/2 | + 1/2 |
| D. Gauge, thumb crotch to tip of thumb | 3 1/4 | + 1/4 |
| E. Width of thumb (at crotch outer edge to outer edge) | 2 1/2 | + 1/8 |

Refer to Figure 1 for location of A, B, C, D, and E measurements.

2.4 Patterns. The patterns for cutting the mitten shells shall be furnished by the contractor, and shall be of the proper proportions to provide mitten shells conforming to the finished measurements specified in 2.3.

2.5 Labels. A commercial type label is acceptable provided that additional printed cloth labels containing the information in 2.5.1 is included.

2.5.1 Contract #, NSN. The mitten shells shall have a label containing the contract number and NSN caught in the stitching of the commercial label.

2.6 Product demonstration model. During the solicitation phase, interested firms shall provide the Procuring Agency with two product demonstration models of the item they propose to furnish for evaluation. The two samples provided by the successful offerer shall be tagged and sealed. One shall be retained by the Procuring Agency and the other furnished the assigned Quality Assurance Representative for use as a reference in performing the examination in paragraph 3.2 and the scoring of defects in design, material and workmanship not otherwise classified herein.

2.7 Workmanship. After completion the mitten shell shall be thoroughly cleaned and all loose thread, lint, and foreign matter removed. The mitten shells shall be uniform in quality and shall be free from irregularities or defects which adversely affect performance, reliability, or durability.

3. QUALITY ASSURANCE PROVISIONS

3.1 Certification. When requested by the contracting officer, the contractor shall certify, and maintain substantiating evidence that the product offered meets the salient characteristics 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.

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3.2 Examination of the end item. The mitten shells shall be inspected in accordance with MIL-STD-105. The defects found during the examination of the end item shall be as classified below. The applicable inspection levels and acceptable quality levels (AQL's) shall be as indicated in 3.3. The lot size shall be expressed in units of one mitten shell each. The sample unit shall be one mitten shell and selection shall be by pairs. Defects for pairing shall be classified as a single defect.

| Defects | Classification | |
|---|----------------|-------|
| | Major | Minor |
| I. MATERIAL DEFECTS AND DAMAGES | | |
| a. Hole, cut, tear, needle chew, abraded surface, weak or thin spot, hard scars, brittle or bony area, or deep grain damage | X | |
| b. Color not as specified | | X |
| II. CLEANESS | | |
| a. Any spot or stain (outside) | | X |
| b. Thread ends not removed | | X |
| III. DESIGN AND ASSEMBLY | | |
| a. Improper function of buckle | X | |
| b. Not cut or fabricated in accordance with the product demonstration model | X | |
| IV. PAIRING | | |
| a. Mismatched, i.e., two lefts or two rights | X | |
| V. LABEL | | |
| a. Label missing, incorrect, or illegible | | X |
| VI. GENERAL | | |
| a. Any defect not otherwise classified herein but at variance with the product demonstration model | | X |
| VII. DIMENSIONS | | |
| a. Not within tolerance range | X | |

3.3 Inspection level and AQL's. The inspection level and acceptable quality levels (AQL's) expressed in defects per 100 units for visual and dimensional examinations shall be as follows:

| | AQL's | Inspection level |
|-------------------------|-------|------------------|
| For visual examination | | |
| Major | 2.5 | II |
| Total (Major and Minor) | 6.5 | II |

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4. PACKAGING

4.1 Preservation. Each pair of mitten shells shall be secured at the cuffs. Five (5) pair of mitten shells, with every other pair reversed shall be bundled and securely tied.

4.2 Packing. Ninety (90) pair of mitten shells (18 bundles of 5 pair) shall be packed in a fiberboard shipping container conforming to type CF, class domestic, variety SW, grade 200, size 2A of MIL-B-17757. The liner shall be type CF, class domestic, conforming to the requirements of MIL-B-17757. Each container shall have the contents completely covered on top and bottom with a sheet of commercial grade kraft paper. The box shall be closed in accordance with the box specification.

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

4.4 Palletization. When specified (see 5.1), item, packed as specified in 4.2, 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 the bonding methods C and D or Film bonding F or G. Pallet patterns shall be in accordance with the appendix of MIL-STD-147. The pallet shall be 4-way, type IV; type V, class 1, size 2; or type VIII, fabricated from wood groups I, II, III or IV, grade A of NN-P-71, or 4-way, style 1, size A, type I, class 1 fabricated from groups specified of MIL-P-15011. Interlocking of loads shall be effected by reversing the pattern of each course. If the container is of a size which does not conform to any of the patterns specified in MIL-STD-147, the pallet pattern used shall first be approved by the contracting officer.

5. NOTES

(This section contains information of a general or explanatory nature that may be helpful, but is not mandatory.)

5.1 Ordering data.

- a. Title, number, and date of this document.
- b. When palletization is required (see 4.4).

5.2 Source of government documents. Copies of military and federal documents are available from:

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

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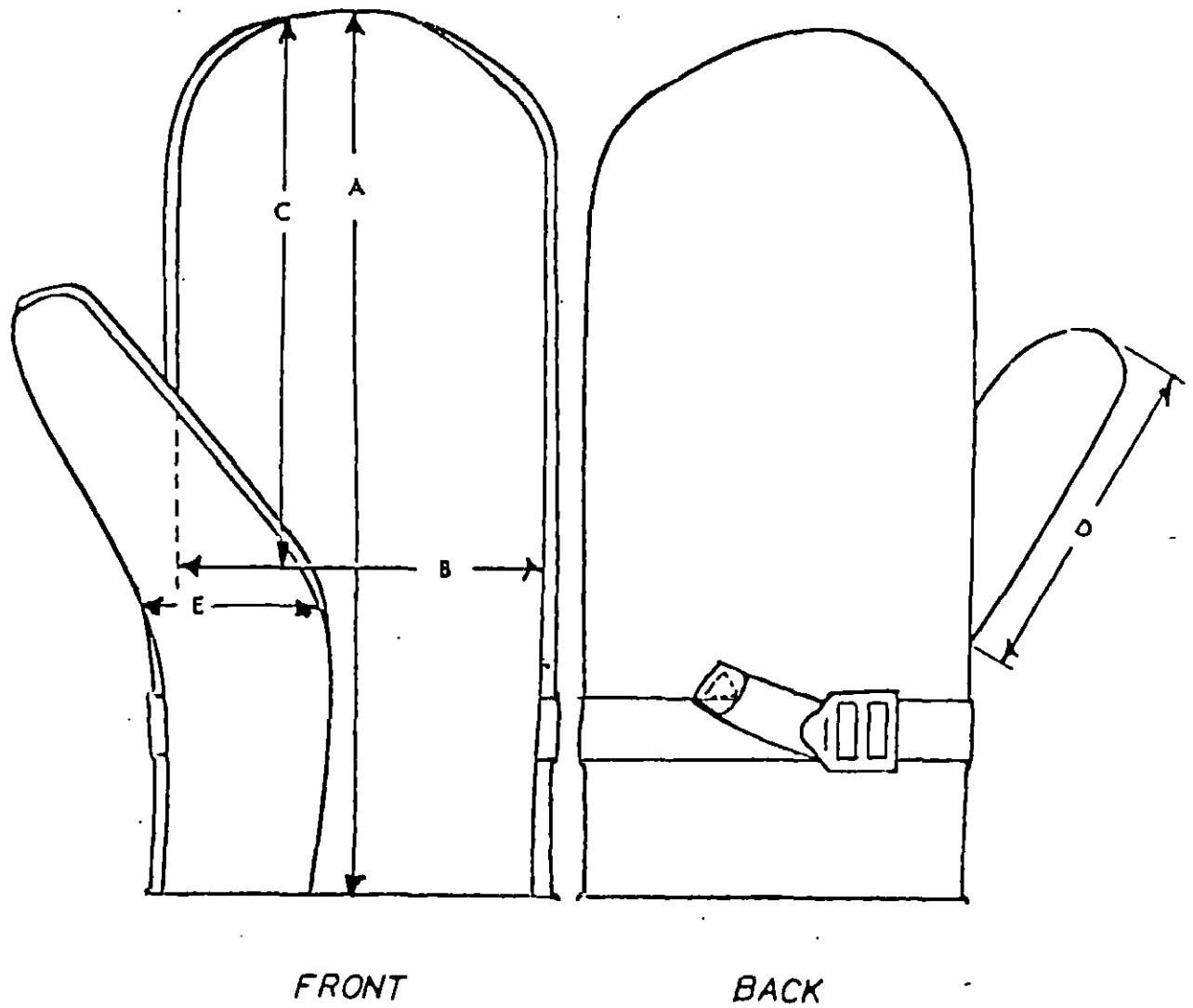


FIGURE 1 - MITTEN SHELLS, MEN'S

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| 1. DOCUMENT NUMBER A-A-50379 | | 2. DOCUMENT TITLE MITTEN SHELLS, MEN'S | |
| 3a. NAME OF SUBMITTING ORGANIZATION | | 4. TYPE OF ORGANIZATION <i>(Mark one)</i> | |
| | | <input type="checkbox"/> VENDOR <input type="checkbox"/> USER <input type="checkbox"/> MANUFACTURER <input type="checkbox"/> OTHER <i>(Specify):</i> _____ | |
| b. ADDRESS <i>(Street, City, State, ZIP Code)</i> | | | |
| | | | |
| 5. PROBLEM AREAS | | | |
| a. Paragraph Number and Wording: | | | |
| | | | |
| b. Recommended Wording: | | | |
| | | | |
| c. Reason/Rationale for Recommendation: | | | |
| | | | |
| 6. REMARKS | | | |
| | | | |
| 7a. NAME OF SUBMITTER <i>(Last, First, MI)</i> - Optional | | b. WORK TELEPHONE NUMBER <i>(Include Area Code)</i> - Optional | |
| c. MAILING ADDRESS <i>(Street, City, State, ZIP Code)</i> - Optional | | 8. DATE OF SUBMISSION (YYMMDD) | |
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