

INCH-POUND

A-A-52055

December 5, 1989

COMMERCIAL ITEM DESCRIPTION

GLOVES, MEN'S AND WOMEN'S, LEATHER, LIGHT DUTY

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

1. CLASSIFICATION

1.1 Classification. This commercial item description covers gloves in the following sizes as specified (see 5.2).

Schedule of sizes1
2
3
4
5

2. SALIENT CHARACTERISTICS

2.1 Description. The gloves shall conform to Rinehart Glove Ltd. style Flexor 2000 or equal. The gloves shall be unlined leather, wing thumb, inseam sewn, with a buckle strap closure on the back of the wrist and a snaphook and D-ring system at the gauntlet for attaching the gloves to each other.

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,
ATTN: STRNC-ESC, Natick, MA 01760-5014.

AMSC N/A

FSC 8415

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

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2.2 Pattern parts. The finger portion of the glove shall be comprised of two superimposed four-pointed star-shaped pattern pieces where each point comprises a finger part. Each finger portion pattern piece shall have an inner cutout of substantially rectangular shape. The pieces shall be joined together around their outer peripheries such that one pattern piece forms the palm side of the finger portion and the other pattern piece forms the back side of the finger portion. The pattern piece comprising the back side shall have longer finger parts than the pattern piece comprising the palm side before the pieces are joined together around their outer peripheries. The finger parts of the pattern piece comprising the back side shall be shortened by folding a part thereof upon itself to form a tuck which extends across the width of each finger part and so that the length of each finger part will be made substantially equal in length to each corresponding finger part of the pattern piece forming the palm side. The tucks shall be located at the first inter-phalangeal joints of the finger. The thumb piece shall be tucked in the same manner as the fingers. The widths of the finger parts corresponding to the finger portions of the two pattern pieces shall be equal such that when the pieces are joined at their peripheries, the junction between the pattern pieces will extend along the line of non-extension for each finger, i.e., at the neutral axis extending along the length of each finger, such that the seam will not compress or stretch upon flexing of the finger. The seam on the back of the glove which joins the back of the fingers to the back of the hand shall have an inserted welt, 3/16 to 1/4 inch wide. The welt shall not be caught in the closing seam. The seam on the palm side of the glove which joins the palm side of the finger to the palm side of the hand shall be covered with a palm patch of leather which extends approximately from below the fingers to the thumb crotch and to the seam on each side of the hand. The glove shall extend approximately 2 inches beyond the wrist and the gauntlet shall be hemmed. The gloves shall be available in five incremental sizes to fit the 5th percentile female through the 95th percentile male in the Army population.

2.3 Material.

2.3.1 Leather. The gloves shall be made of full grain, chrome tanned cattlehide conforming to type I, class a or b, treatment A of MIL-L-40051 except that the thickness shall be such as to produce finished gloves with a leather thickness not less than 2 ounces nor more than 3 ounces. The leather shall be treated with an approved water resistant compound (see 5.6). After the water resistant compound has been applied, the leather shall not be exposed to soaps, detergents, wetting agents, or surfactants. The color of the leather shall be black.

2.3.2. Buckles. The buckles shall be 2-bar, tongueless, lip type conforming to type II, style 3, class 3, size 5/8 inch of MIL-B-543.

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2.3.3 Tape. The tape for the loop and buckle strap shall be 5/8 inch wide conforming to type I, class 3 of MIL-T-43566, except that the dyed tape shall show an AATCC Chromatic Transference Scale rating for crocking not lower than 1.5 for wet crocking and 3.5 for dry crocking. The color of the tape shall closely match the color of the gloves.

2.3.4 D-ring and snaphook. The D-ring shall conform to ITW Waterbury style number 133 or equal. The snaphook shall conform to ITW Waterbury style number 703 or equal. The finish for both the D-ring and snaphook shall be phosphate treated zinc plate conforming to type III, class 2 of QQ-Z-325, followed by bake enameling. The enamel shall conform to type I or II of MIL-E-480. The color shall be black.

2.3.5 Thread. The thread for sewing the gloves shall be nylon, approximately matching the shade of the leather, and conforming to type I, class B, size E of V-T-295 or type II, with approved class B nonwicking finish, size E of V-T-295.

2.4 Label. Each glove shall have a combination size and identification label conforming to type VI, class 4 of DDD-L-20, and the label shall show fastness to laundering transference as specified therein.

2.5 Instruction slip. A printed slip of thin paper containing instructions as indicated below shall be inserted in each right-hand glove:

INSTRUCTIONS

Gloves shall be worn alone or with inserts
 Fit gloves snugly but not tightly over the wool inserts
 Adjust strap for fit
 Gloves and glove inserts are available in five sizes:
 1,2,3,4,5
 Dry gloves and glove inserts away from extreme heat or flame
 Use gloves for light work and mosquito protection
 The gloves are also to be worn over chemical protective field handwear
 For heavy work (construction, stevedoring, etc.), use Gloves, Men's and
 Women's, Heavy Duty
 The gloves are water resistant treated, but are not waterproof

3. QUALITY ASSURANCE

3.1 Certification. The contractor shall certify and maintain substantiating evidence that the product offered meets the salient characteristics and requirements of this Commercial Item Description, that an approved compound has been used to treat the leather for water resistance, 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 Quality conformance inspection. Unless otherwise specified, sampling for inspection shall be performed in accordance with MIL-STD-105.

3.3 End item visual examination. Each lot of gloves shall be examined for consumer type defects, defined as follows:

Defects in design, construction, or workmanship; any variation in size, color, appearance, or finish in gloves of a pair; any component full, tight, or twisted; open seam; any hole, needle chew, cut or tear, or any spot or stain clearly noticeable; any unhealed scratch, grub, tick marks, open veins, scars or abraded areas, or clearly noticeable fat wrinkles in leather components; not soft and pliable; tucks not as specified; not properly mated.

The lot size shall be expressed in units of one glove. The sample unit shall be one glove, and the selection shall be by pairs. The inspection level shall be II, and the acceptable quality level (AQL), expressed in terms of defects per hundred units, shall be 6.5.

3.4 End item dimensional examination. The gloves shall be examined for conformance to the thickness of finished glove leather in 2.3.1, and the finished glove measurements specified in the contract or purchase order. Any dimension not within the specified tolerance shall be classified as a defect. The lot size shall be expressed in units of one glove. The sample unit shall be one glove and the selection shall be by pairs. The inspection level shall be S-3, and the AQL, expressed in terms of defects per hundred units, shall be 4.0.

NOTE: Each leather part of the glove shall be checked for thickness (i.e., thumb, body of glove, fingers and welts where feasible. Any of these parts that are not within the required thickness range shall constitute a defect. Measurements shall be taken with a spring-type graduated gage with a flat pressure foot and flat anvil.

4. PACKAGING

4.1 Packaging. Five pairs of gloves of one size, each pair attached by the D-ring and snaphook, shall be neatly stacked in a bundle, with every other pair reversed end for end, and securely tied at each end with cotton tape or twine to form a unit pack.

4.2 Packing. Ninety pairs of gloves of one size only shall be packed in a fiberboard box conforming to RSC-L, type CF (variety SW) or SF, class domestic, grade 275 of PPP-B-636.

4.3 Palletization. When specified (see 5.2), gloves packed as specified shall be palletized in accordance with load type Ia of MIL-STD-147.

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

5. NOTES

5.1 Intended use. The gloves are intended for light work duty and mosquito protection. They may be worn alone, or for additional warmth under cold conditions, may be worn with the wool inserts covered by MIL-G-835. The gloves are also intended for wear over chemical protective handwear covered by MIL-G-43976.

5.2 Ordering data. Acquisition documents must specify the following:

- a. Title, number, and date of this document
- b. Size required (see 1.1)
- c. When palletization is required (see 4.3)

5.3 Source for Government documents. Copies of Military and Federal documents are available from:

Naval Publications and Forms Center
ATTN: NPODS
5801 Tabor Avenue
Philadelphia, PA 19120-5099

5.4 Source for non-Government documents. Copies of the AATCC Chromatic Transference Scale are available from:

American Association of Textile Chemists and Colorists
P.O. Box 12215
Research Triangle Park, NC 27709-2215

5.5 Patent notice. U.S. Patent number 4654896 covers the design of the item as described in this Commercial Item Description. The Government does not have a royalty-free license for this patent.

5.6 Water resistant treatment. The water resistant treatment consists of the co-application of an emulsified fluorocarbon and a modified melamine hydrophobe type of resistant. Approval of such components and combinations is the responsibility of the U.S. Army Natick Research, Development, and Engineering Center, Natick, MA 01760-5014, and is based on more extensive tests, including those for toxicity, which are not set forth in this document. Because of the time necessary to conduct full evaluation (approximately 6 months), only those chemical treatments already approved and so listed in the invitation for bids or request for proposal shall be considered acceptable for the related procurement.

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MILITARY INTERESTS:

Custodians

Army - GL
Navy - NU
Air Force - 99

Review Activities

Army - MD
Air Force - 11, 82
DLA - CT

User Activities

Navy - MC
Air Force - 45

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

PREPARING ACTIVITY:

Army - GL

(Project 8415-0755)