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INCH-POUND

A-A-52055A

PROPOSED

SUPERSEDING

A-A-52055

December 5, 1989

COMMERCIAL ITEM DESCRIPTION

GLOVES, LEATHER, LIGHT DUTY

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

1. SCOPE. This commercial item description (CID) covers the requirements for leather light duty gloves.

2. CLASSIFICATION. The gloves are of one type in sizes 1 through 5.

3. SALIENT CHARACTERISTICS.

3.1 Design. The gloves have a design in conformance with the Nationwide Glove Co Inc.'s "Flexor Glove", or equal (see [figure 1](#) and [figure 2](#)). The gloves are 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. The glove extends approximately 2 inches beyond the wrist and the gauntlet is hemmed.

3.2 Materials and components. The materials and components shall conform to the applicable specifications, standards, figures, drawings, and patterns required herein, as applicable.

3.2.1 Leather. The gloves shall be made of full-grain, chrome-tanned cattlehide conforming to MIL-L-40051, type I, class A or class B, with treatment A (see 7.3.4). The color of the leather shall be black.

3.2.2 Buckle. The buckle shall be 2-bar, tongueless, lip-type conforming to MIL-B-543, type II, style 3, class 3, designed to accommodate a 5/8-inch webbing. See 7.3.1 for a known source of this component.

3.2.3 Tape. The tape for the loop and buckle strap shall be 5/8 inch wide conforming to MIL-DTL-43566, type I, class 3, except that the dyed tape shall conform to an AATCC 9-Step Chromatic Transference Scale rating for crocking not less than 1.5 for wet crocking and 3.5 for dry crocking. The color of the tape shall approximate the color of the gloves. See 7.3.3 for a known source of this component.

3.2.4 D-Ring and snaphook. The D-Ring shall conform to Albest Part # WD6X6-14 BD, or equal. The snaphook shall conform to Albest Part # WHO207-24BD, or equal. The finish for both the D-Ring and snaphook shall be phosphate-treated zinc plated conforming to ASTM B633, type III, class 2, followed by bake enameling. The enamel shall conform to the following Master Painters Institute (MPI) reference numbers:

- a. MPI #8, Alkyd, Exterior Flat (MPI Gloss Level 1),
- b. MPI #9, Alkyd, Exterior Gloss (MPI Gloss Level 6),
- c. MPI #47, Alkyd, Interior, Semi-Gloss (MPI Gloss Level 5),
- d. MPI #48, Alkyd, Interior, Gloss (MPI Gloss Level 6),
- e. MPI #49, Alkyd, Interior, Flat (MPI Gloss Level 1),

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FSC 8415

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- f. MPI #51, Alkyd, Interior, (MPI Gloss Level 3), or
- g. MPI #94, Alkyd, Exterior, Semi-Gloss (MPI Gloss Level 5).

The color shall be black. See 7.3.1 and 7.3.2 for a known source of these components.

3.2.5 Thread. The thread for sewing the gloves shall be nylon, matching the shade of the leather, and shall conform to A-A-59826, type I, class B, size E or to A-A-59826, type II, with approved class B nonwicking finish, size E.

3.2.6 Labels.

3.2.6.1 Identification-size label. Each glove shall have a combination identification-size label conforming to MIL-DTL-32075, type VI, class 4 attached at the cuff, and the label shall show fastness to laundering transference as specified therein.

3.2.6.2 Instruction slip. A printed slip of thin paper containing the instructions shown below shall be inserted in each right-hand glove.

INSTRUCTIONS

Gloves may be worn alone or with inserts.

Fit gloves snugly but not tightly over the inserts.

Adjust strap for fit.

Gloves are available in five sizes: 1, 2, 3, 4, 5.

Dry gloves and glove inserts away from extreme heat or flame.

Gloves are water-resistant treated but are not waterproof.

3.3 Pattern parts. The finger portion of the glove is comprised of two superimposed four-pointed star-shaped pattern pieces where each point comprises a finger part. Each finger portion pattern piece has an inner cutout of substantially rectangular shape. The pieces are 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 has 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 are shortened by folding a part thereof upon itself to form a tuck which extends across the width of each finger part so that the length of each finger part is substantially equal in length to each corresponding finger part of the pattern piece forming the palm side. The tucks are located at the first inter-phalangeal joints of the finger. The thumb piece is tucked in the same manner as the fingers. The widths of the finger parts corresponding to the finger portions of the two pattern pieces are 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 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 that joins the back of the fingers to the back of the hand has an inserted welt, 3/16 to 1/4 inch wide. The welt is not caught in the side seam closing. The seam on the palm side of the glove that joins the palm side of the finger to the palm side of the hand is covered with a palm patch of leather that extends from approximately below the fingers to the thumb crotch and to the seam on each side of the hand.

3.4 Dimensions. The gloves shall be available in five incremental sizes to meet the dimensional requirements cited in [table I](#). Gloves shall be laid flat on a table and allowed to rest for at least 3 hours prior to measuring.

TABLE I. Finished dimensions (inches).

| Size | Overall Length ^{1/} | Width ^{2/} |
|---|-------------------------------------|----------------------------|
| 1 | 9 | 4-5/8 |
| 2 | 9-3/8 | 4-3/4 |
| 3 | 10 | 4-7/8 |
| 4 | 10-3/8 | 5-1/8 |
| 5 | 10-7/8 | 5-1/4 |
| Tolerance | ±3/8 | +1/4, -1/8 |
| FOOTNOTES: ^{1/} The glove length shall be measured from tip of the middle finger to the edge of the cuff with the palm side facing up. If there is a noticeable difference between the glove length on the front and back of the glove, a second measurement should be taken with the palm side facing down, and the measurements should be compared. ^{2/} The glove width shall be gently stretched out and measured along the lower edge of the leather welt with the back of the glove (see figure 2) facing up. | | |

3.5 Pairing. One pair of gloves, consisting of one left hand glove and one right hand glove in the same size, shall be matched and tacked together with a plastic barb just below the hem approximately 1/2 inch from the closing seam.

3.6 Workmanship. The gloves shall be clean and shall be free of defects (see 5.3.2).

4. **REGULATORY REQUIREMENTS**. Recycled, recovered, environmentally preferable, or biobased 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 CID, 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 Market acceptability. The item offered must have been sold to the government or commercial market.

5.3 End-item inspection procedures.

5.3.1 Sampling. Sampling for inspection shall be conducted in accordance with ASQ/ANSI Z1.4. The sample unit shall be one pair of gloves, and the lot size shall be expressed in pairs of gloves.

5.3.2 Visual examination of gloves. Gloves shall be examined for the defects listed in [table II](#) when viewed at a distance of 3 feet when sampled as specified in 5.3.1.

TABLE II. Table of defects.

| Area Inspected | Defect | Major | Minor |
|--|--|--------------|--------------|
| Pairing | Not properly mated (i.e., right and left not of the same size, two right/left gloves packaged together) | 101 | |
| | Not tacked together | | 201 |
| Color | Not specified color, color not uniform, or shaded parts clearly noticeable | | 202 |
| | Buckle not coated with black enamel | | 203 |
| Design | Not as specified | 102 | |
| Cleanness | Spots or stains clearly noticeable affecting appearance | | 204 |
| Leather | Hole (except a pinhole or needle hole), cut, tear, or rip | 103 | |
| | Three or more pinholes or needle holes | | 205 |
| | Not full grain | 104 | |
| | Not soft and pliable | 105 | |
| | Grain damage or imperfections: | | |
| | -seriously affecting serviceability or appearance | 106 | |
| | -affecting serviceability or appearance, but not seriously (not applicable to minute surface break provided the condition or frequency of defect does not have serious effect on appearance) | | 206 |
| | Deep, open scratch | 107 | |
| | Deep wrinkles seriously affecting serviceability or appearance | 108 | |
| | Wrinkles affecting serviceability or appearance, but not seriously | | 207 |
| | Scar or abraded area: | | |
| | -seriously affecting serviceability or appearance | 109 | |
| | -affecting serviceability or appearance, but not seriously | | 208 |
| | Brittle, bony area, grub, tick marks, open veins, or thin spot: | | |
| | -seriously affecting serviceability | 110 | |
| | -affecting serviceability, but not seriously | | 209 |
| | Flesh side of leather not smooth or contains loose flesh in excess of 1 square inch in total area | | 210 |
| | Loose or spongy leather | 111 | |
| | Flanky leather: | | |
| | -seriously affecting serviceability or appearance | 112 | |
| -affecting serviceability, but not seriously | | 211 | |
| Tape | Not type specified | | 212 |
| | Hole, cut, tear, or rip | 113 | |
| | Multiple floats, smashes, slubs, or other forms of misweave | | 213 |

TABLE II. Table of defects – Continued.

| Area Inspected | Defect | Major | Minor |
|------------------------------|---|-------|-------|
| Construction and Workmanship | Malformed glove such that a finger or thumb is twisted and the seam is rotated to at least 45 degrees from the vertical and does not lie in the palmar area | | 214 |
| | Component missing | 114 | |
| | Component not securely affixed | 115 | |
| | Workmanship damage (e.g., scissor or knife cut) | 116 | |
| | Mend in leather (i.e., patch – not applicable to restitched seam repair) | 117 | |
| | Needle chews likely to develop into a hole | 118 | |
| | Buckle has sharp burr or metal sliver | | 215 |
| | Buckle does not function properly | 119 | |
| Seams and stitching | Open seam: | | |
| | -in single stitched seam (except wrist hem) | 120 | |
| | -in both rows of a double stitched seam | 121 | |
| | -in one row of a double stitched seam | | 216 |
| | -in wrist hem | | 217 |
| | NOTE: A seam shall be classified as open when one or more stitches joining a seam are broken or when two or more consecutive skipped or run-off stitches occur. | | |
| | Loose stitch tension resulting in a loosely secured seam | 122 | |
| | Tight stitch tension resulting in cutting of leather or breaking of stitches when normal pull is applied | 123 | |
| | Gage of stitching irregular, affecting appearance | | 218 |
| | Part caught in unrelated row of stitching | 124 | |
| Assembly detail | Glove not neatly laid off | | 219 |
| | Finger distorted or twisted, affecting comfort of wearer | 125 | |
| | Thumb welt not completely caught in seam | | 220 |
| | Buckle strap and adjusting strap not sewn in alignment causing malformation when strap is tightened | | 221 |
| | Leather improperly cut (i.e., excessive stretch in length direction of glove) | 126 | |
| | Insufficient stretch to prevent constriction or bending across knuckles when fingers are doubled to form a fist | 127 | |
| | Thread ends not trimmed throughout glove | | 222 |
| | Not properly trimmed or finished causing discomfort to user (e.g., lump or bulk in finger inseam because leather was not properly trimmed) | 128 | |
| | Difference in overall length between front and back of glove is greater than 1/8 inch | | 223 |
| | Any component full, tight, or twisted | 129 | |
| Label and instruction slip | Omitted, incorrect, illegible, or misplaced; size and identification label not securely sewn in wrist hem | | 224 |

5.4 Acceptance criteria. Acceptance criteria shall be as specified in the contract or purchase order (see 7.5).

6. PACKAGING. Preservation, packing, and marking shall be as specified in the contract or order.

7. NOTES.

7.1 Intended use. Gloves covered by this CID are intended for wear by male and female military personnel of the Department of Defense with utility uniforms. The gloves are intended for light duty work. They may be worn alone; or, for additional warmth under cold conditions, they may be worn with an insert.

7.2 Source of documents.

7.2.1 American Association of Textile Chemists and Colorists (AATCC) Standards. AATCC standards are available from www.aatcc.org or AATCC, P.O. Box 12215, Research Triangle Park, NC 27709.

7.2.2 American Society for Quality (ASQ) Standards. ASQ standards are available from www.asq.org or the American Society for Quality, 600 North Plankinton Ave., Milwaukee, WI 53203.

7.2.3 ASTM Standards. ASTM standards are available from www.astm.org or ASTM International, 100 Barr Harbor Dr., P.O. Box C700, West Conshohocken, PA 19428-2959.

7.2.4 Defense specifications and CIDs. Defense specifications and CIDs are available online at <https://quicksearch.dla.mil>.

7.2.5 MPI Standards. MPI Standards are available from <https://mpiinfo.org/store/>.

7.3 Known sources of components. The following sources of components, using the specified part numbers, have demonstrated the ability to meet the requirements herein.

7.3.1 Buckle, D-Ring, and snaphook.

Albest Metal Stamping Corp.

One Kent Avenue

Brooklyn, NY 11211-1014

<http://albest.com/>

Buckle: Part # BB340-10BD

D-Ring: Part # WD6X6-14 BD

Snaphook: Part # WHO207-24BD

7.3.2 Paint.

Master Painters Institute

<http://www.paintinfo.com>

7.3.3 Tape.

Lea & Sachs, Inc.

P.O. Box 1667

Des Plaines, IL 60017

<https://www.leasachs.com/>

7.3.4 Water-resistant compounds.

3M Corporation Headquarters, Protective Division

3M Center

St. Paul, MN 55144-1000

<https://www.3m.com/>

Compound designations: FC-3564, FC-236 A/B, FC-3560/3567, and FX-3573.

7.4 Standard sample. For access to standard samples, address the contracting or ordering activity.7.5 Ordering data. The contract or order should specify the following:

- a. CID document number and revision.
- b. Product conformance provisions (see 5).
- c. Acceptance criteria (see 5.4).
- d. Packaging requirements (see 6).
- e. Quantity required.
- f. National Stock Numbers (NSNs).

7.6 NSNs. The following is a list of NSNs assigned that correspond to this CID. The list may not be indicative of all possible NSNs associated with the CID.

| Size | NSN |
|------|------------------|
| 1 | 8415-01-623-9598 |
| 2 | 8415-01-623-9601 |
| 3 | 8415-01-623-9603 |
| 4 | 8415-01-623-9604 |
| 5 | 8415-01-623-9605 |

7.7 Key words.

Cattlehide

Chrome-tanned

Fingers

Gauntlet

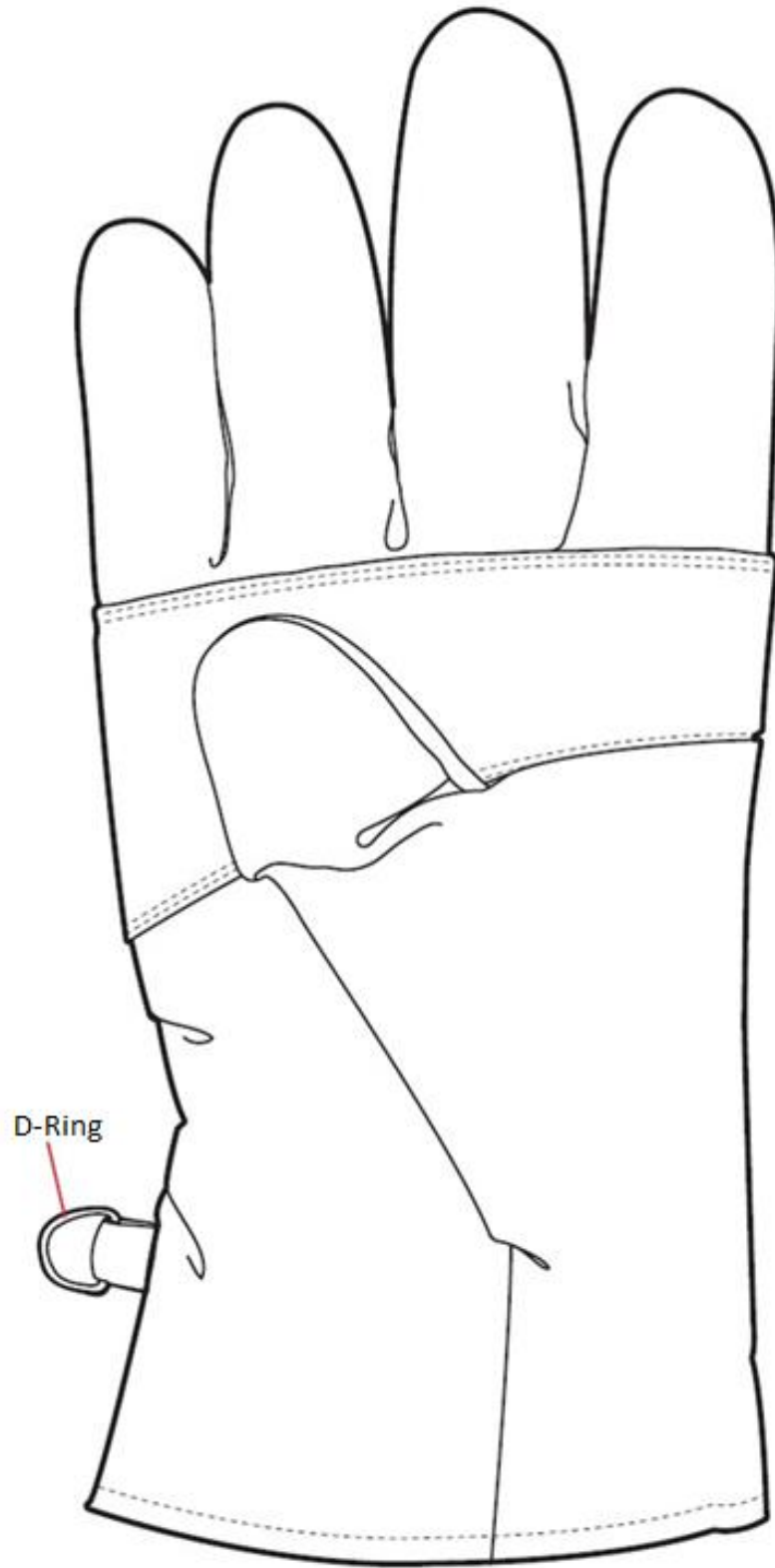
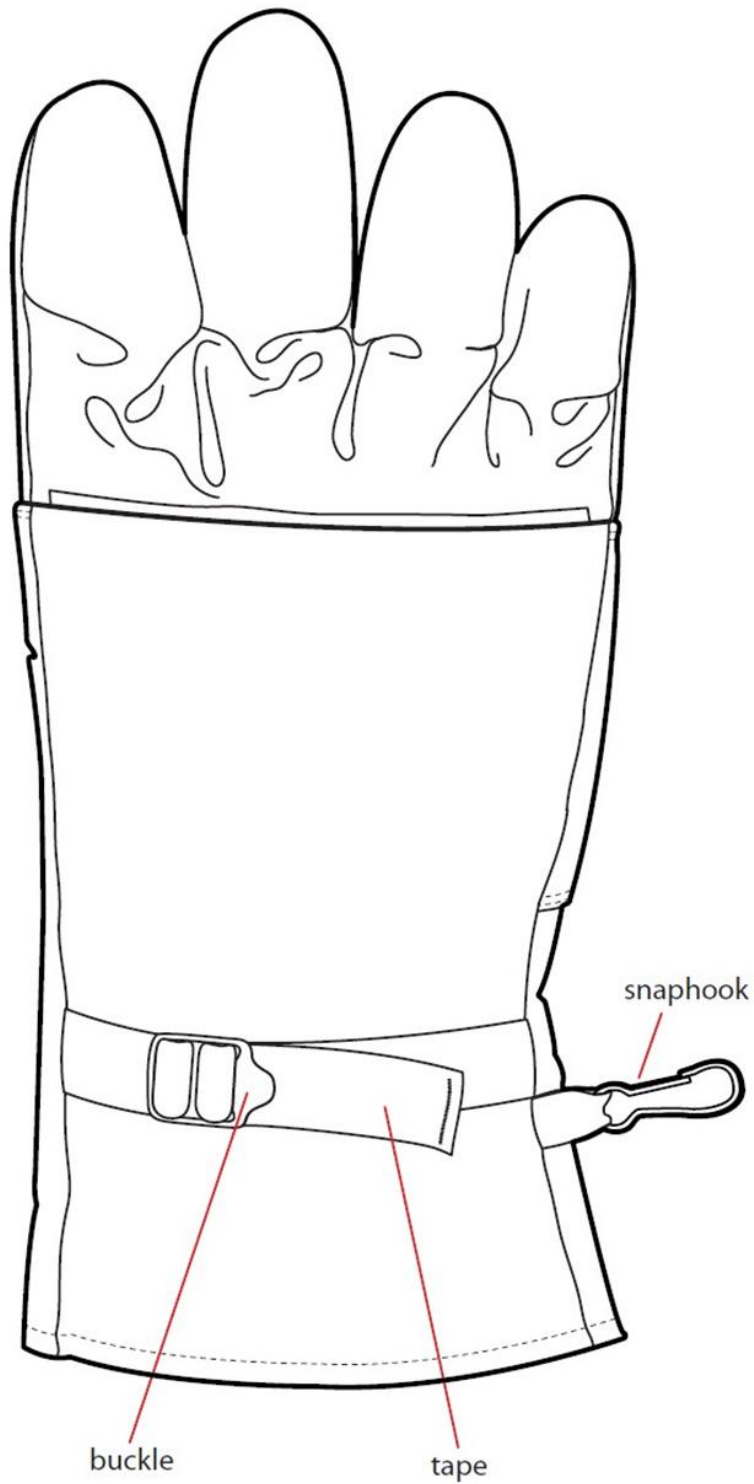


FIGURE 1. Glove, palm view.



NOTE: A snaphook shall be used on the corresponding glove to attach to D-Ring when not in use.

FIGURE 2. Glove, back view.

CONCLUDING MATERIAL

MILITARY INTERESTS:

Custodians:

Army – GL
Navy – MC
Air Force – 11
DLA – CT

Preparing Activity:

Navy – MC
(Project 8415-2021-xxx)

Review Activity:

Navy – NU