

INCH-POUND**A-A-50366A****October 16, 1996****SUPERSEDING****A-A-50366****March 1, 1989****COMMERCIAL ITEM DESCRIPTION****SWEATER, MAN'S, WOOL**

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

1. **SCOPE.** This commercial item description covers the requirements for the man's wool sweater intended for use by male Navy personnel as part of the utility uniform.
2. **CLASSIFICATION.** The sweater shall be one type and color in the following sizes:

| | | | |
|-------------|---------|-------------|---------|
| Extra-Small | (32-34) | Large | (44-46) |
| Small | (36-38) | Extra-Large | (48-50) |
| Medium | (40-42) | | |

3. **SALIENT CHARACTERISTICS**

3.1 **Description.** The sweater shall be a pullover style; with or without side seams; a one-piece mock-turtle neck (crew) collarette; rib knit skirt; and set-in long sleeves with rib knit cuffs. The collarette may be tubular or with one seam at the left shoulder. The shoulder seams shall be reinforced with a black, 3/16 inch cotton tape. The skirt and cuffs shall be an integral part of the body sleeves (not seamed or looped). The color of the sweater shall be Navy Blue shade 3346.

The skirt and cuff shall finish not less than 3-1/4 inch nor more than 3-3/4 inches in height (course direction). The collarette shall not finish not less than 2 inches nor more than 2-1/2 inches in height (course direction) (see Figure 1).

Beneficial comments, recommendations, additions, deletions, clarifications, etc. and any data which may improve this document should be sent to: Defense Personnel Support Center, Clothing and Textiles Directorate, Attn: DPSC-FNS, 2800 South 20th Street, Philadelphia, PA 19145-5099.

AMSC N/A**FSC 8405**

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

A-A-50366A**3.2 Material.**

3.2.1 Basic material. The sweater shall be made of 2-ply worsted made of fleece or pulled sheep's wool or a combination of both not lower in grade than 54's US Standard. The use of reprocessed, reused, or waste wool is prohibited. The wool shall be mothproofed. The color shall match the standard sample under artificial daylight having a color temperature of 7500 K and shall be a good approximation to the standard sample under incandescent lamplight at 2800 K. The finished fabric shall contain not less than 95 percent wool based on the dry weight of the desized specimen. The sweater shall conform to the requirements listed in Table I.

TABLE I. Sweater physical requirements

| Characteristic | Requirements | | Test method |
|--|----------------|----------------|-------------------------------|
| Type of knit stitch: | | | |
| Body | Jersey | | Visual <u>1/</u> |
| Skirt | 2x2 rib | | Visual <u>1/</u> |
| Sleeves | Jersey | | Visual <u>1/</u> |
| Cuffs | 2x2 rib | | Visual <u>1/</u> |
| Collarette | 1x1 rib | | Visual <u>1/</u> |
| Wales/courses per inch (min.) | <u>Wales</u> | <u>Courses</u> | |
| Body | 6 | 9 | ASTM-D-3887 |
| Skirt | 6 | 11 | ASTM-D-3887 |
| Sleeves | 6 | 9 | ASTM-D-3887 |
| Cuffs | 6 | 11 | ASTM-D-3887 |
| Collarette | 13 | 21 | ASTM-D-3887 |
| Colorfastness to: | | | |
| Light | Good <u>2/</u> | | AATCC 16, Opt. A |
| Laundering | 3.5 | | AATCC 61, Test 1A <u>3/ 4</u> |
| Wet-Drycleaning | Good <u>2/</u> | | AATCC 132 |
| Perspiration | Good <u>2/</u> | | AATCC 15 <u>5/</u> |
| Crocking | 3.0 | | AATCC 8 |
| Non-fibrous material content (percent, max.) | 3.0 | | ASTM-D-629, Section 9 |
| pH | 4.0-8.0 | | FED-STD-191, TM 2811 |

1/ One determination shall be performed in each area of the sample unit, and the results reported as "pass" or "fail".

2/ When a standard sample is available, the sweater shall show colorfastness.

3/ The weight of the specimen shall be 4.0 ± 0.1 grams and the rotating time shall be 30 minutes.

4/ Except that the soap solution shall contain 0.5 percent by weight, P-D-245, Detergent, Laundry and Hand Dishwashing (Granular) Type II, in water hardness not over 50 parts per million. The specimen must be dried after each of the laundering cycles.

5/ The test for colorfastness to alkaline solution shall also apply.

6/ Federal Standard 191.

3.2.2 Thread. The thread for seaming and stitching the sweater shall be cotton or nylon-covered polyester and the shade shall approximate the knit fabric.

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3.3 Label. A commercial-type label is acceptable, provided that an additional printed cloth label containing the contractor's name, contract number, size and National Stock Number (NSN) is caught on the stitching of the commercial label. The commercial label shall include fiber and laundering information. The laundering instructions shall be as follows:

HAND LAUNDER IN LUKEWARM WATER USING A MILD SOAP. DO
NOT WRING OR TWIST. RINSE IN CLEAR COLD WATER, RESHAPE,
AND DRY FLAT.

3.3.1 Label/tag. Each item shall be individually bar-coded with a paper tag for personal clothing items. The paper tag shall be standard bleached sulfate having a basis weight of 100 pounds. The paper used for the tags shall have a smooth finish to accept thermal transfer and direct printing. The tags shall be clearly legible and readable by a scanner. The bar coding element shall be a 13 digit national stock number (NSN). The bar code type shall be a medium to high code density and shall be located so that it is completely visible on the item when it is folded and/or packaged as specified and so that it causes no damage to the item.

3.4 Weights. The weights of the finished sweater shall be as specified in Table II:

TABLE II. Finished weights of sweaters 1/

| | | | | |
|-----------------|---------------|----------------|---------------|-----------------|
| X-Small (32-34) | Small (36-38) | Medium (40-42) | Large (44-46) | X-Large (48-50) |
| 8 lbs., 4 oz. | 9 lbs., 8 oz. | 10 lbs., 8 oz. | 12 lbs. | 14 lbs. |

1/ per dozen (minimum) conditioned

3.5 Sizes and measurements. The finished sweater shall conform to the measurements in Table III. The measurements and tolerances are expressed in inches.

TABLE III. Finished measurements

| | Neck width A | Chest B | Length C | Sleeve length D | Armhole length E | Cuff width F | Sleeve width G |
|---------------------|--------------|---------|----------|-----------------|------------------|--------------|----------------|
| Extra-Small (32-34) | 7-1/2 | 15 | 23-1/2 | 20-1/2 | 7-1/2 | 3 | 5-1/2 |
| Small (36-38) | 7-1/2 | 17 | 24-1/2 | 21 | 7-3/4 | 3 | 5-3/4 |
| Medium (40-42) | 8 | 19 | 25-1/2 | 22 | 8 | 3 | 6 |
| Large (44-46) | 8 | 21 | 27 | 23-1/2 | 8-1/2 | 3-1/2 | 6-1/2 |
| Extra-Large (48-50) | 9 | 23 | 28-1/2 | 24-1/2 | 9-1/4 | 3-1/2 | 7 |

A. Neck width. Measurement shall be taken from the intersection of the collarete seam and shoulder seam across neck front to similar intersection on opposite side.

B. Chest. Measurement shall be taken across front approximately 1 inch below armhole seams, folded edge to edge. When two full side seams are used, measure from seam to seam.

C. Length. Measurement shall be taken from the intersection of the collarete seam and shoulder seam perpendicular to bottom edge of skirt.

D. Overarm sleeve length. Measurement shall be taken along outside folded edge of sleeve from the intersection of the armhole seam and shoulder seam to the bottom edge of the cuff.

E. Armhole length. Measurement shall be taken from the intersection of the armhole seam and shoulder seam on a straight line to the intersection of the armhole seam and sleeve inseam.

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- F. Cuff width. Measurement shall be taken at center of wristlet on a straight line, folded edge to seamed edge.
- G. Sleeve length. Measure across width from the folded edge to the sleeve seam at a point 12 inches below the shoulder

NOTE: For location of A-G, see Figure 1.

4. QUALITY ASSURANCE PROVISIONS

4.1 Product Conformance. The products offered shall meet the salient characteristics of this commercial item description, conform to the producer's own drawings, specifications, standards, and quality assurance practices, and be a similar product that is offered for sale to the commercial market. The Government reserves the right to require proof of such conformance.

4.2 Market acceptance criteria. The item offered, or a generic equivalent, must have been sold to the commercial market or to the Government for at least two years.

4.3 Visual examination. Each sweater shall be examined for the defects listed below.

4.3.1 Defects. Any hole, cut, mend, or tear; broken or missing yarn or stitch; any uneven diameter yarn; color not as specified; shaded part or shade variation; any spot or stain (outside); thread ends not trimmed; any component part not as specified or omitted; seam puckered, distorted, pleated, irregular, or open; loose or tight tension; any material defects, distorted parts or poor workmanship; any component part omitted; missing, broken, or misplaced button; buttonhole missing; improper size; misaligned; not cleanly or formed; label missing, incorrect, or illegible; measurement of item not as specified; bar code omitted or not readable by scanner; human-readable interpretation (HRI) omitted or illegible; bar code not visible on folded, packaged item; bar code causes damage to the item; any items not packaged in accordance with the contract or purchase order.

4.4 Acceptance criteria. Acceptance criteria shall be as specified in the contract or purchase order.

5. PACKAGING

5.1 Preservation, packing, and marking. The preservation, packing, and marking shall be as specified in the contract or purchase order.

6. NOTES

6.1 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

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6.2 Source of non-Government documents

ASTM Test Methods

(Applications for copies should be addressed to American Society For Testing and Materials (ASTM), 100 Barr Harbor Drive, West Conshohocken, PA 19428-2959.)

AATCC Test Method

(Applications for copies should be addressed to American Association of Textile Chemists and Colorists (AATCC), P.O. Box 12215, Triangle Park, NC 27709-2215.)

MILITARY INTERESTS:

Custodian:
Navy - NU

CIVIL AGENCY COORDINATING ACTIVITY:
GSA - FSS

PREPARING ACTIVITY:
DLA - CT

Project 8405-0305

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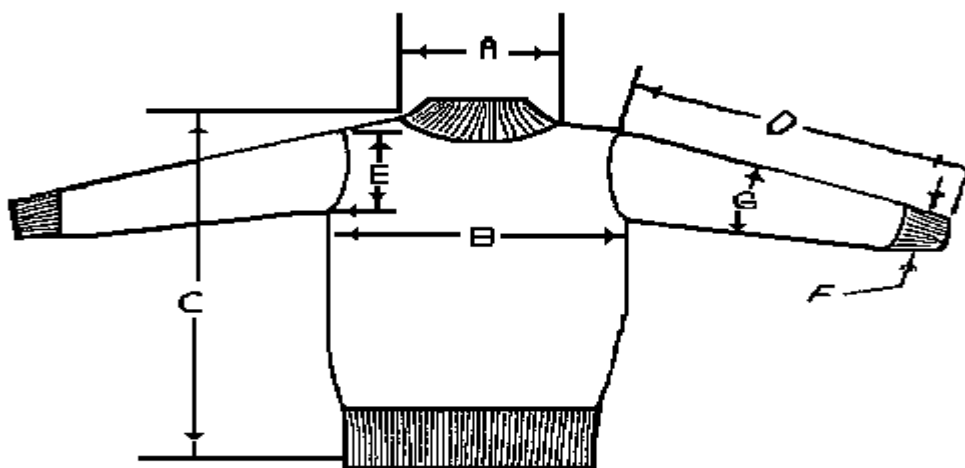


FIGURE 1. SWEATER, MAN'S, WOOL