

INCH-POUND**A-A-52115C****SUPERSEDING****November 5, 1996****A-A-52115B****July 29, 1993****COMMERCIAL ITEM DESCRIPTION****SWEATER, MAN'S, OLIVE DRAB**

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

1. **SCOPE.** This commercial item description covers the requirements for a knitted, acrylic pullover man's sweater intended for use by Military personnel in cold weather climates.
2. **CLASSIFICATION.** The sweater shall be available in the following sizes:

X-Small (30-32)	Small (34-36)	Medium (38-40)	Large (42-44)	X-Large (46-48)	XX-Large (50-52)
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3. **SALIENT CHARACTERISTICS.**

3.1 **Description.** The sweater shall be a knitted pullover with a convertible collar, five-button, V-style front yoke opening, reinforced shoulders and armholes, and long sleeves. The component parts shall be cut in accordance with the contractor's pattern from the same piece of material. The length of parts shall run in the wale direction, except for the collar and yoke. The yoke, buttons, and buttonholes shall be reinforced with a sufficiently wide polyester or polyester blend plain weave or twill cloth. The yoke reinforcement shall be attached using good commercial practices. The gimp used for the buttonholes shall be any suitable cotton thread dyed to approximate the shade of the basic material.

3.2 **Material.** The fiber for the sweaters shall be 100 percent acrylic high bulk/relaxed fiber having low pill properties. The low pill fiber is designated as S-63 (TM) acrylic fiber or equal (See 7.3). The yarn count shall be 2/24 or 2/23 worsted count. The yarn shall be either skein, package, or producer dyed to meet the standard sample for shade of the knitted fabric.

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.***

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3.2.1 **Knitted fabrics.** The knitted component parts of the sweater shall conform to the requirements specified in Table I.

TABLE I. Requirements for knitted fabrics

Component parts	Stitch type	Wales per inch (minimum)	Courses per inch (minimum)
Body <u>1/</u>	Jersey	8	10
Sleeves <u>1/</u>	Jersey	8	10
Cuffs <u>2/</u>	2x2 rib	8	14
Skirt <u>2/</u>	2x2 rib	8	14
Collar and yoke	1x1 rib	12	20

1/ Body and sleeve construction shall be uniform.

2/ Wales per inch (minimum) for the skirt, cuffs, and collar and yoke shall be counted on the face side.

3.2.2 **Physical requirements.** The body material shall conform to the requirements specified in Table II.

TABLE II. Material requirements

Characteristic	Requirement	Test Method
Acrylic	100 percent	AATCC 20A
Colorfastness to:		
Light	Good <u>1/</u>	AATCC 16, Option A
Laundering	Good <u>1/</u>	AATCC 61-3A
Dry cleaning	Good <u>1/</u>	AATCC 132
Crocking	3.5 min. <u>2/</u>	AATCC 8
Perspiration	Good <u>1/</u>	AATCC 15
Pilling	3.5 min. <u>3/</u>	ASTM-D-3512
pH	4.0 - 8.0	FED-STD-191, TM 2811
Bursting strength (lbs., min.)	80	ASTM-D-3787
Shrinkage or elongation (percent, max.), length or width	6.0	AATCC 135

1/ When a standard sample is available, the material shall be equal to or better than the standard sample.

2/ Refers to AATCC Chromatic Transference Scale rating.

3/ Set of 5 photographic standards for random pilling test are available from ASTM (See Notes), Adjunct No. 12-435120-00.

3.2.3 **Thread.** The thread used for seaming and stitching shall be 100 percent cotton, 40 or 50 Tex, 3-ply. As an alternate, a polyester core, cotton covered yarn, 50 Tex, 2 or 3 ply or 40 Tex 2 ply may be used. The thread shall be dyed to approximate the shade of the knitted fabric or dyed to match Olive Drab S-1, C.A. 66022 or Olive Drab T-1, C.A. 66023. The dyed thread shall show a minimum of "good" colorfastness to laundering (AATCC 61, Test 3A), wet-dry cleaning (AATCC 132), and perspiration (AATCC 15).

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3.2.4 Tape reinforcement. The tape for reinforcing the shoulders and the bottom of the armhole shall be a plain weave cotton, $1/2 \pm 1/32$ inch in width, 35 pounds minimum warp strength, and 58 pounds minimum filling yarns per inch. The tape shall be dyed to approximate the shade of the knitted fabric.

3.3 Label. Each sweater shall have a combination size, identification and instruction label for garments, made of either nonwoven, spunbound polyester or nonwoven, 80/20 polyester/cellulose cloth. The label shall be coated with an acrylic coating that does not contain skin irritants, toxic materials or materials that support mildew growth. The label shall show "good" colorfastness to accelerated laundering, and shall contain the following information:

SWEATER, MAN'S, OD
 FIBER CONTENT: 100% ACRYLIC
 CONTRACT NUMBER
 NSN
 SIZE
 NAME OF CONTRACTOR

LAUNDERING INSTRUCTIONS:
 WASH IN WARM WATER $80 \pm 5^{\circ}\text{F}$, KNIT CYCLE.
 TUMBLE DRY, LOW HEAT, REMOVE PROMPTLY.
 DO NOT USE CHLORINE BLEACH.

3.3.1 Label/tag. Each item shall be individually bar-coded with a pressure-sensitive label or paper tag. The finish of the label/tag shall be compatible with printing technology used. The label/tag shall be readable by a scanner. The bar coding element shall be a 13 digit national stock number (NSN), and shall be located so that it is completely visible on the item when it is folded and/or packaged as specified.

3.4 Finished measurements. The finished sweater shall conform to the measurements specified in Table III.

TABLE III. Finished measurements (inches)

Size	Chest A	Length B	Neck Width C	Front Opening Length D	Sleeve Length E <u>1/</u>	Armhole Length F <u>1/</u>	Cuff Width G	Sleeve Width H
X-Small 30-32	14	24	6-1/4	9	21	8	2-1/4	5-1/2
Small 34-36	16	25	7	9-1/4	22	8-1/2	3	6
Medium 38-40	18	26	7-1/2	9-1/4	22-1/2	9	3	6
Large 42-44	20	27	8	9-1/2	23	9-1/2	3-1/2	6-1/2
X-Large 46-48	22	28	8	9-1/2	23-1/2	9-1/2	3-1/2	7
XX-Large 50-52	24	29	8-1/2	9-1/2	24	10	3-1/2	7
Tolerance	± 1	± 1	$\pm 1/2$	- 1/2 + 1	- 1/2 + 1	$\pm 1/2$	$\pm 1/4$	- 0, + 1/2

NOTE: Refer to Figure 1 for measurements A through H. The sweater shall be fully buttoned and placed smooth and flat.

A. Measure across front, approximately 1 inch below armhole seams, folded edge to folded edge.

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- B. Measure down front from shoulder seam at collar to bottom edge of sweater.
- C. Measure across neck opening from shoulder seam to shoulder seam of collar.
- D. Measure along folded edge of left front yoke seamline at bottom to collar seamline at top.
- E. Measure along folded edge of sleeve, from the intersection of the armhole seam and shoulder seam to the bottom edge of the cuff.
- F. Measure from the intersection of the armhole section and shoulder seam at top on a straight line to the intersection of the armhole and inseam at bottom.
- G. Measure on a straight line across center, from folded edge to folded edge.
- H. Measure across width of sleeve from folded edge to sleeve seam at a point 10 inches from bottom of armhole along sleeve seam.

1/ The tolerances from the armhole lengths and sleeve length shall be consistent. A plus tolerance in one measurement and a minus tolerance in another will not be permitted.

3.5 Weights. The weight of the finished sweaters shall be as specified in Table IV, and tested in accordance with ASTM-D-3776.

TABLE IV. Weight (pounds)

Weight/dozen (minimum)	X-Small	Small	Medium	Large	X-Large	XX-Large
	9	10-1/2	12	13-1/2	15	16-1/2

4. REGULATORY REQUIREMENTS. The offeror/contractor is encouraged to use recovered materials to the maximum extent practicable, in accordance with paragraph 23.403 of the Federal Acquisition Regulation (FAR).

5. QUALITY ASSURANCE PROVISIONS

5.1 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 in the commercial market. The Government reserves the right to require proof of such conformance.

5.2 Market acceptance criteria. The item offered, or a generic equivalent, must have been sold to the commercial market or to the Government.

5.3 Visual examination. The sweater shall be examined for the defects listed below.

5.3.1 Defects. Barre; any hole, cut, tear, color not as specified; any spot or stain (outside); raw edges; open seams; thread ends not removed; loose tension resulting in loose seams; any material defects; any repairs; distorted parts or poor workmanship; any component part omitted; 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.

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

6. PACKAGING

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

7. NOTES

7.1 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

7.2 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 Methods

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

7.3 S-63 fiber is a trademark of Monsanto Chemical Company's low-pill acrylic fiber and meets the requirements of this commercial item description.

MILITARY INTERESTS:

Custodians:

Army - GL
Air Force - 99
Navy - NU

Review Activities:

Army - MD
Air Force - 45, 82

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

PREPARING ACTIVITY:

DLA - CT

Project 8405-0301

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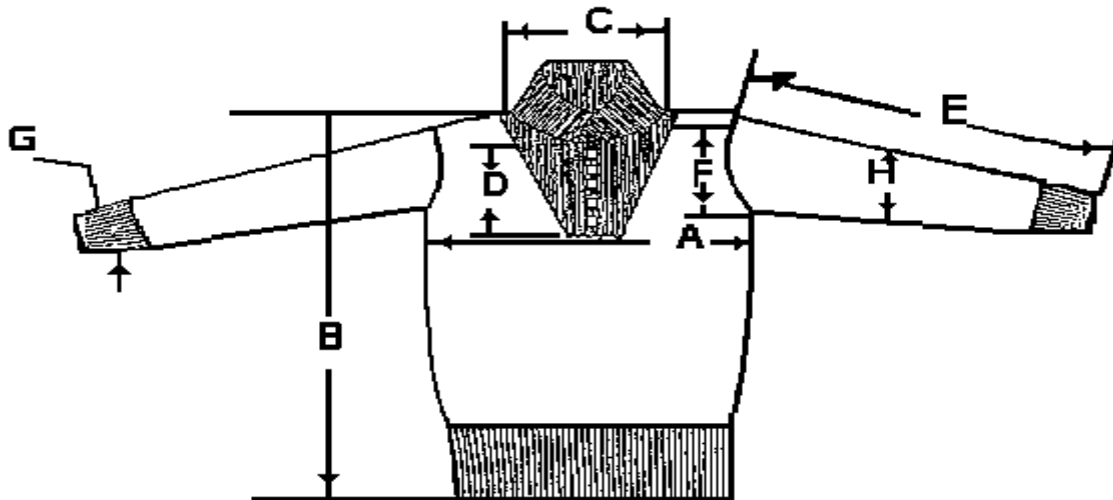


FIGURE 1. SWEATER, MAN'S, OLIVE DRAB