

INCH-POUND

A-A-55222
06 July 1993

COMMERCIAL ITEM DESCRIPTION

BELT, MAN'S COAT

The General Services Administration has authorized the use of this Commercial Item Description in preference to MIL-B-17693.

Abstract. This Commercial Item Description covers the requirements for the polyester/wool belt that is intended for wear on coats by male personnel of the US Marine Corps.

Salient Characteristics. The belt shall be polyester/wool gabardine, Green Shade 2212, having one end pointed on a 45-degree angle and the other end square to button over a removable buckle with a sliding keeper of the basic material. The belt shall have a rayon belt fastener to button on the underside for securing the belt to the coat. The buttonhole for the belt fastener shall be straight type, made to fit a 22-line sewing hole button. The purling of the buttonhole shall be on the outside of the fastener and the ends of the buttonhole shall be securely tacked. The silk sewing thread shall be used in seaming the belt, closing the ends of the belt, and bartacking the fastener to the belt. The belt shall be interlined with buckram and lined with basic material. The belt shall have a snap fastener; the socket shall be on the underside, 3-1/2 to 3-3/4 inches from the folded edge (reference figure 1 for finished dimensions).

Beneficial comments (recommendations, additions, deletions) and any pertinent data which may be of use in improving this document should be addressed to: Defense Personnel Support Center, Clothing and Textiles Directorate, Attn: DPSC-FSSD, 2800 South 20th Street, Philadelphia, PA 19101-8419, by using the Standardization Document Improvement Proposal (DD Form 1426) appearing at the end of this document or by letter.

AMSC N/A

FSC 8405

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distribution is unlimited.

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Materials

Basic material. The basic material for the belt shall be a 2/2 right hand twill, consisting of 2 ply warp and filling yarn spun from combed top of fleeced or pulled wool, with a minimum grade of 64's U.S. Standard, and semi-dull polyester top or cut tow with a minimum average fiber length of 3 inches, and of a suitable denier to blend with the wool. The yarn shall be a blend of not less than 40% wool, with the remaining percentage polyester, and shall match shade Green 2212 by dyeing the wool and polyester fibers separately, then blending. The wool shall be top dyed, and the polyester fibers shall be stock, top or tow dyed. Mothproofing shall be applied in stock or top dyeing, and may be obtained under the trade name of Mitin PF High Concentrate, from Ciba-Geigy Corp., Dyestuffs and Chemicals Division, Swing Road, P.O. Box 18300, Greensboro, NC 27409, or under the name of Intracide M from Crompton and Knowles Corp., Street, Charlotte, NC 28233. The finished fabric shall be sheared, pressed and decated, and shall conform to the requirements specified in Table I when tested as specified.

TABLE I. - BASIC MATERIAL REQUIREMENTS

Characteristics	Test methods	Requirements (Minimum)
Fiber identification	<u>1/</u>	As stated above
Weight	ASTM-D 3776-85 Option C	6.80 oz/sq yd
Yarns per inch	ASTM-D 3775-85	108 ends/inch 58 picks/inch
Breaking strength	ASTM-D 5034-90	140 lbs warp 72 lbs filling
Dimensional stability	AATCC 99-1988	-3.0% Max. warp & -2.0% filling <u>2/</u>
Pilling	ASTM-D 3511-82	4.0 Rating
Mothproofing	Revised Std. Test Method 2015.2	Min. 0.65% Max. 1.45% <u>3/</u>
Colorfastness to light	AATCC 16-1990 Option A	"Good"

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TABLE I. - BASIC MATERIAL REQUIREMENTS - Cont.

Characteristics	Test methods	Requirements (Minimum)
Colorfastness to perspiration	AATCC 15-1989	"Good"
Colorfastness to dry-cleaning	AATCC 132-1989	"Good"
Colorfastness to crocking	AATCC 8-1988	3.5 Rating <u>4/</u>

1/ Unless otherwise specified, a certificate of compliance shall be submitted and will be acceptable for the stated requirements.

2/ With the following exceptions: The temperature of the water shall be $80^{\circ} \pm 2^{\circ}$ F. The specimens shall be placed in the extractor for 5 minutes, then dried in a rotary tumble drier at a stack temperature of $130^{\circ} \pm 2^{\circ}$ F for 30 minutes. The stack temperature shall be measured at 20 ± 2 inches from the exhaust opening of the drier.

3/ Federal Test Method Std. 191A; Percent by weight of pure compound on the wool fiber content after five cycles of dry cleaning. Use procedure for specimens containing 100% wool. The percent of mothproofing agent content of a sample unit shall be reported as the average of the values obtained for the specimens tested and shall be reported to the nearest 0.1%.

4/ AATCC Chromatic Transference Scale

Belt interlining. Material for interlining the belts shall be cloth, buckram, cotton, natural color, conforming to type I of A-A-50186.

Belt fastener material. The material for the belt fastener shall be a 2/1 right hand twill of multifilament rayon, matching Green, shade 2208. The cloth shall be a natural finish, with no resins, oils, starches or gums, and shall conform to the requirements and test methods specified in Table II.

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TABLE II. - BELT FASTENER MATERIAL REQUIREMENTS

Characteristics	Test methods	Requirements (Minimum)
Fiber identification	<u>1/</u>	As stated above
Weight	ASTM-D 3776-85 Option C	3.70 oz/sq yd
Yarns per inch	ASTM-D 3775-85	121 ends/inch 67 picks/inch
Breaking strength (dry)	ASTM-D 5034-90	100 lbs warp 50 lbs filling
Breaking strength (wet)	ASTM-D 5034-90 <u>2/</u>	40 lbs warp 20 lbs filling
Dimensional stability	Test Method 5580 <u>3/</u>	+3.5% Max. warp & filling
Colorfastness to perspiration	AATCC 15-1989	"Good"
Colorfastness to dry-cleaning	AATCC 132-1989	"Good"
Colorfastness to crocking	AATCC 8-1988	3.5 Rating <u>4/</u>

1/ Unless otherwise specified, a certificate of compliance shall be submitted and will be acceptable for the stated requirements.

2/ Three specimens shall be immersed in tap water at room temperature for 2 hours. The specimens shall then be removed from the water one at a time and tested immediately for tensile strength. The results shall be reported as the average of the three determinations to the nearest 1 lb.

3/ Federal Test Method Standard No. 191A.

4/ AATCC Chromatic Transference Scale

Fastener, snap. Snap fasteners for the belt shall be brass, black japanned finish, round or square style, rolled edge, size 1/0, sew-on type.

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Thread

Silk thread. The silk thread shall be type I, size A, 3-ply, conforming to A-A-50196. The requirements for extractable material shall not apply. Silk thread shall be dyed shade T-1, Cable No. 66023. The dyed thread shall show "good" fastness to light and wet dry-cleaning when tested as specified in the Commercial Item Description.

Cotton thread. The cotton thread shall conform to A-A-52094, Type III, mercerized finish, ticket No. A, 3-ply, for inside seaming and stitching, buttonholes, and sewing on snap fasteners, and type II ticket No. 24, 4-ply for sewing on buttons. Cotton thread shall be dyed shade T-1, Cable No. 66023. The dyed thread shall show "good" fastness to light and wet dry-cleaning when tested as specified in the Commercial Item Description.

Buttons. Sewing hole buttons shall be flat, 4-hole, 22-line melamine formaldehyde composition with a glossy finish. The color of the buttons shall be green, Cable No. 62017.

Label/markinq. The label/markinq shall be a combination identification and size marking, applied by heat transfer (decalcomania), direct printing or stamping, with the marking medium a contrasting color to the lining material. The belts are intended to be dry-cleaned and the marking shall show fastness to dry cleaning. As an alternate, a commercially acceptable hang-tag, containing the specified information printed directly on the tag, may be use. The tag may be attached with string at the buttonhole or with plastic barb holder near neck end of belt. Barcoding of each unit shall be as specified by the procuring activity. The inscription shall read as follows:

Item description
Contract number
National stock number
Fur, Wool or Fiber Products Act information as applicable
Contractor's name (bottom of label)

Label/Tag. Each item shall be individually bar-coded with the type VIII, class 17 label/tag of DDD-L-20. This label/tag shall be located so that it is completely visible on each item and causes no damage to the item.

Patterns. The government shall furnish a single size pattern. The contractor is responsible for grading patterns for additional sizes. Commercial patterns may be used in lieu of the government-furnished pattern provided they conform to the cited design and finished measurements.

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Sizes and Measurements. The finished belts shall conform to the measurements below.

TABLE III. - Finished length measurements 1/

Size	Inches
30	33-1/2
32	34-1/2
33	35-1/2
34	36-1/2
35	37-1/2
36	38-1/2
37	39-1/2
38	40-1/2
39	41-1/2
40	42-1/2
41	43-1/2
42	44-1/2
43	45-1/2
44	46-1/2
46	48-1/2
48	50-1/2

1/ Tolerance on finished length \pm 3/8 inch. Measurement taken along the center from the pointed end to overedge stitched end.

Workmanship. The finished belt shall conform to the quality of product established by this document. The occurrence of defects shall not exceed the contractor's own quality assurance standards and the quality assurance standards defined by the technical data in the bid package.

Product Demonstration Model. When required, offerers shall submit samples of their intended production. The product demonstration model will consist of units independently developed. Product demonstration models will be analyzed and evaluated by the government. Evaluation criteria and basis for award are contained in the solicitation. Product demonstration models will be retained by the government. One (1) product demonstration model approved by DPSC under the resultant contract will serve as a manufacturing standard for the corresponding production items delivered under this contract. Offerers are advised that the product demonstration model does not relieve the successful offerer of his responsibility to perform in accordance with the Commercial Item Description specified above.

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Regulatory Requirements. The offeror/contractor is encouraged to use recovered materials in accordance with Public Law 94-580 to the maximum extent practicable.

Quality Assurance

Certification. The contractor shall certify that the product offered meets the salient characteristics of this 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 the first delivery and thereafter as may be otherwise provided for, under the provisions of the contract. Reliance on contractor quality assurance systems shall not relieve the contractor of the responsibility of ensuring that all products or supplies submitted to the government for acceptance comply with all requirements of the contract.

Visual Examination. The belts shall be examined for the defects listed below. The lot size shall be expressed in units of belts. The sample unit is one belt.

Defects. The belt shall be examined for the following defects: any hole, cut, tear, or color not as specified; any spot or stain (outside); thread ends not removed; 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-coded type not as specified, code density not as specified.

Dimensional Examination. The finished belts shall conform to the dimensions specified. Any dimension that is not within the established tolerance shall be classified as a defect. The sample unit shall be one belt.

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Packaging Examination. The fully packaged shipping containers shall be examined in accordance with defects listed below. The sample size shall be five shipping containers fully packaged. The lot shall be unacceptable if one or more defects are found.

EXAMINE	DEFECT
Marking (exterior and interior)	Omitted; incorrect; illegible; of improper size, location, or method of application
Materials	Any component missing, damaged, or not as specified
Workmanship	Inadequate application of components, such as: incomplete closure of container flaps, loose strapping, improper taping, or inadequate stapling
Content	Number of items in container is more or less than required NSN shown on one or more items not as specified on shipping container
Palletization	Length, width, or height exceeds specified maximum requirements Pallet type not as specified Load not bonded as specified

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

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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

Sources of Nongovernment Documents.

ANSI/ASQC Z1.4 - Sampling Procedures and Tables For Inspection
By Attributes

(Applications for copies should be addressed to American National Standards Institute, 1430 Broadway, New York, NY 10018-3308.)

AATCC 8 - Colorfastness to Crocking: AATCC Crockmeter Method
AATCC 16 - Colorfastness to Light
AATCC 15 - Colorfastness to Perspiration
AATCC 99 - Dimensional stability
AATCC 132 - Colorfastness to Dry-cleaning

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

ASTM-D 3511 - Pilling
ASTM-D 3776 - Weight
ASTM-D 3775 - Yarns per inch
ASTM-D 5034 - Breaking strength
ASTM-D 5104 - Shrinkage

(Applications for copies should be addressed to American Society For Testing and Materials, 1916 Race Street, Philadelphia, PA 19103.)

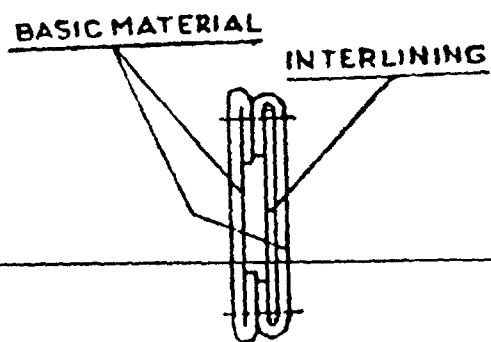
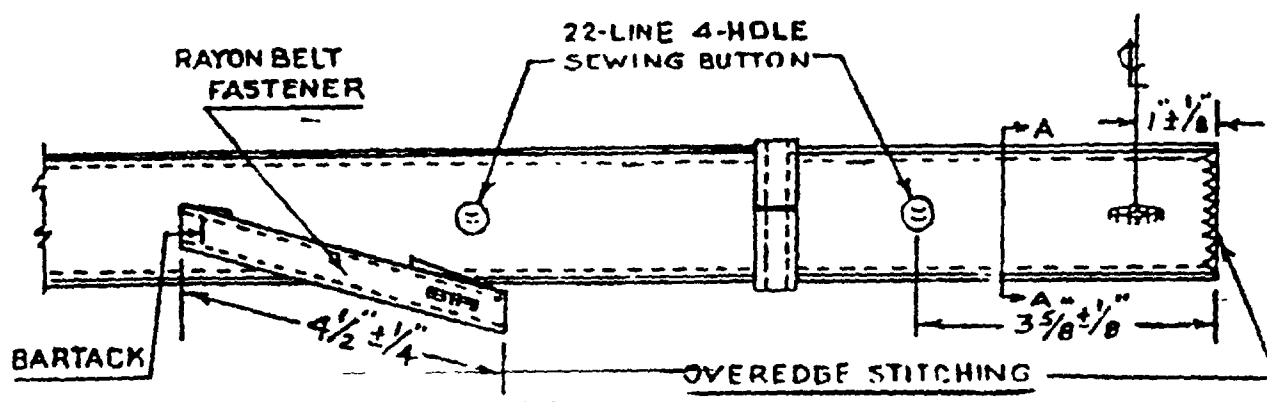
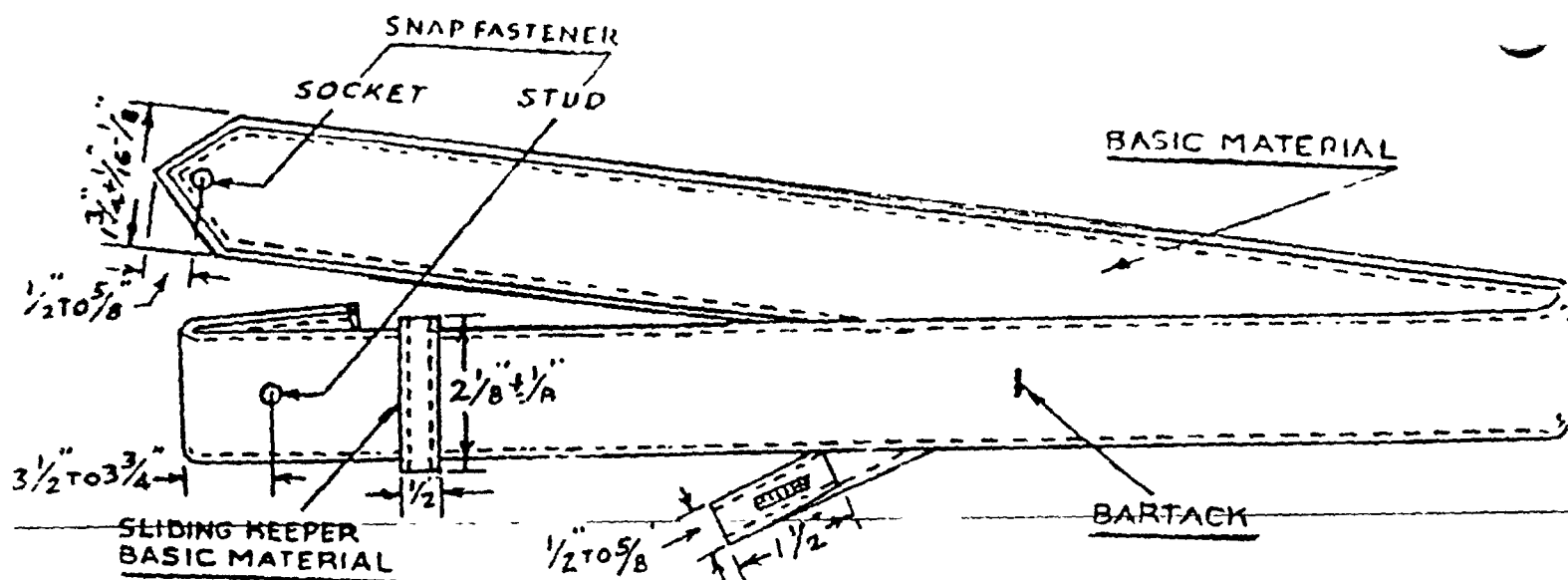
Custodian:
Navy - MC

Civil Agency Coordinating
Activity:
GSA - FSS

Preparing Activity:
DLA - CT

Project No. 8405-0216

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SECTION A-A

BELT DETAIL
FIGURE 1. - BELT, COAT, MANS; POLYESTER/WOOL, GREEN

STANDARDIZATION DOCUMENT IMPROVEMENT PROPOSAL

INSTRUCTIONS

1. The preparing activity must complete blocks 1, 2, 3, and 8. In block 1, both the document number and revision letter should be given.
2. The submitter of this form must complete blocks 4, 5, 6, and 7.
3. The preparing activity must provide a reply within 30 days from receipt of the form.

NOTE: This form may not be used to request copies of documents, nor to request waivers, or clarification of requirements on current contracts. Comments submitted on this form do not constitute or imply authorization to waive any portion of the referenced document(s) or to amend contractual requirements.

1. RECOMMEND A CHANGE:	1. DOCUMENT NUMBER A-A-5522	2. DOCUMENT DATE (YYMMDD) 930706
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3. DOCUMENT TITLE
BELT, MAN'S COAT

4. NATURE OF CHANGE (Identify paragraph number and include proposed rewrite, if possible. Attach extra sheets as needed)

5. REASON FOR RECOMMENDATION

6. SUBMITTER

a. NAME (Last, First, Middle Initial)	b. ORGANIZATION
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c. ADDRESS (Include Zip Code)	d. TELEPHONE (Include Area Code)	7. DATE SUBMITTED (YYMMDD)
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(1) Commercial	(2) AUTOVON (if applicable)
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B. PREPARING ACTIVITY

a. NAME	b. TELEPHONE (Include Area Code)
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Defense Personnel Support Center
ATTN: DPSC-FSSD (12-3-D)

(1) Commercial	(2) AUTOVON
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c. ADDRESS (Include Zip Code)	IF YOU DO NOT RECEIVE A REPLY WITHIN 45 DAYS, CONTACT:
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2800 South 20th Street
P. O. Box 8419
Philadelphia, Pennsylvania 19101-8419

Defense Quality and Standardization Office
5203 Leesburg Pike, Suite 1403, Falls Church, VA 22041-3466
Telephone (703) 756-2340 AUTOVON 289-2340