

Inch Pound

A-A-50003C

July 12, 2000

SUPERSEDING

A-A-50003B

March 13, 1991

## COMMERCIAL ITEM DESCRIPTION

## DRAWERS, MEN'S (BRIEF TYPE)

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

1. **SCOPE.** This commercial item description covers requirements for Drawers; Men's (Brief Type) used by the Army, Navy, Marine Corps and Air Force personnel.
2. **CLASSIFICATION.** The drawers shall be in the following classes and sizes  
     Class 1 - White  
     Class 2 - Brown 436

Sizes

28    30    32    34    36    38    40    42    44

3. **SALENT CHARACTERISTICS.**

- 3.1 **Description.** The drawers shall be brief type with sloped elasticized leg opening and an elastic waistband.

3.2 **MATERIAL.**

- 3.2.1 **Basic Material** The knitted cloth for the body of the drawers and leg binding shall be made of 100 percent combed cotton yarn, and shall be knitted on a circular knit machine with a 1X1 ribbed knit. The cloth shall have a minimum of 21 wales per inch (WPI) and 29 courses per inch (CPI). And a minimum burst strength of 60 pounds when tested in accordance with FED-STD-191 (Ball bursting method 5120)

Beneficial comments, recommended, additions, deletions, clarifications, ect. and any date which may improve this document should be sent to: Defense Supply Center  
 Philadelphia, Clothing and Textiles Directorate, ATTN: DSCP-CRFD, 700 Robbins,  
 Building 6D, Philadelphia, PA 19111-5096

AMSC N/A

FCS 8420

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3.2.2 Cloth for fly binding and strip binding. The knitted cloth for the fly binding and strip binding shall be made of 100 percent combed cotton yarn. The material shall be circular knitted with a jersey stitch and shall have a minimum of 29 wales and 35 courses per inches.

3.2.3 Waistband. The waistband shall be woven or knitted from cotton or polyester yarns, and shall be 1 -1/4 inches minimum in width and shall have a minimum of 14 elastics strands and a commercial holding power of (modulus) of 1 pound minimum, 30 percent stretch.

3.2.4 Color. The color of the Class 1 drawers shall be bleached white. The color of the Class 2 drawers shall be Brown 436 and shall match the standard sample when viewed under the filtered tungsten that approximate artificial daylight, and that have a correlated color temperature of 7500K (+/- 200K), with illumination of 100 (+/- 20) foot candles, and shall be a good match to the standard sample under incandescent lamplight at 2300K (+/- 200K). The Class 2 drawers shall exhibit good colorfastness to laundering and crocking. (NOTE: Reactive dyes have successfully provided this colorfastness characteristic). When specified bleached whites, fluorescent materials, or materials containing optically brightened fibers shall be checked for matching fluorescence, against the standard sample using an ultraviolet source.

3.2.5 Shrinkage. The finished drawers shall neither shrink nor elongate more than 12 percent in either length or width direction after five home-type launderings and tumble dryings.

NOTE: A home type laundering is defined as washing the drawers in a domestic washing machine using the normal wash cycle. Wash and rinse with moderately hot water using a commercially available laundering detergent. Tumble dry in a domestic dryer using a permanent press cycle.

3.2 Sizes, measurements and weights. The measurement and weight per dozen drawers for the listed sizes shall be specified in Table 1.

TABLE I. Sizes, measurements and weights.

Size	Weight 1/ oz/dozen minimum	½ waist 2/ (relaxed) (inches) minimum	Trunk 3/ (inches) minimum	Seat width 4/ (inches) minimum
28	21	10 ¾	12 ¾	13
30	23	11 ½	13 ¾	14
32	25	12	13 ¾	14
34	27	13	14 ¾	15 ½
36	30	14	14 ¾	15 ½
38	33	15	15 ¾	17
40	35	16	15 ¾	17
42	37	17	16 ¾	18 ½
44	38	18	16 ¾	18 ½

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- 1/ Unpacked drawers only.
- 2/ The half waist measurement shall be taken along the top edge of the waistband.
- 3/ The trunk of the measurement shall be taken from the top of the waistband to the fold at the bottom of the drawers midway between the leg openings.
- 4/ The seat width measurement shall be taken at the widest point above the leg binding, excluding the leg binding.

3.4 Durability. The finished drawers, examined previously for shrinkage, shall be subjected to an additional five home launderings as specified in paragraph 3.25 and shall show no sign of obvious signs of deterioration such as broken threads, open seams, frayed hems, holes in fabrics and frayed selvage edges or ruptured yarns in the waistband.

3.5 Thread. The color of the thread for Class 1 drawers shall be bleached white and for class and for the Class 2 drawers shall be Khaki P-1, C.A. 66091 or equal. The dyed thread shall show good colorfastness to laundering after 3 cycles only when tested in accordance with the AATCC 61, Test 3 A.

3.6 Labels. Each pair of drawers shall have a combination identification, size and instruction label showing fastness to laundering only when tested in accordance with AATCC, Test 3A.

The following inscription shall be used.

Size  
(Fiber type)  
CONTACT NO.: SPO100-000-0000 (Example only)  
NSN: 8420-00-000-000 (Example only)  
NAME OF SUPPLIER:

Machine or Hand Wash  
Warm Water  
Line or Tumble Dry

For Class 2 drawers, the following information shall be included in the label:  
"DO NOT USE BLEACH. Use of acne medication containing Benzoyl peroxide will cause discoloration."

#### 4. REGULATORY REQUIREMENTS.

4.1 Flammability requirements. The basic material shall conform to the rules and regulations of the Flammability Fabrics Act without the application of a flame retardant finish to material or the end item.

4.2 Recycled, recovered, or environmentally preferable materials. Recycled, recovered, or environmentally preferable 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.

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## 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 the same product that is offered for sale in the commercial market. The Government reserves the right to require the proof of such conformance.

5.2 Visual examination. Each pair of drawers shall be examined for defects listed below.

5.2.1 Defects. Any hole, tear, drop stitch, thin areas or mends. Any slubs more than twice the thickness of normal yarn. Any accumulation of slubs, clearly visible, causing non-uniform overall appearance. Loose knitting. Appearance of shade bars, birdseyes, miss-knit, tiger stripes, or dye streaks. Color not compatible to standard sample. Any spot of stain on outside more than  $\frac{1}{4}$  inches. Rancid or bad odor. Any component missing. Any needle chew. Any part badly pleated or caught or twisted in an unrelated row of stitching. Any open seam. Any bartack or tack omitted. Any raw edge. Any leg binding omitted. Label omitted, incorrect, illegible or misplaced. Bar code label not readable by scanner; human-readable interpretation (HRI) omitted or illegible; bar code label not visible on packaged item; any items not packaged in accordance with the contract or order.

5.3 End item tasting and measurements. For the following test and dimensional examination, the sample unit shall be 12 drawers of one size, and the sample size shall be one sample unit for each size in the lot for lot sizes up to 12,000 pair of drawers, and two sample units for each size in the lot for the lot sizes of 12,001 or more.

5.3.1 Weight. Each sample unit shall be weighed unpacked for conformance to the minimum weight requirement of this commercial item description. The lot shall be rejected if any sample unit fails to meet the minimum weight requirement.

5.3.2 Dimensional. Three pairs of drawers, randomly selected from each sample unit, shall be measured for the dimensions specified in Table I. The actual measurements shall be marked on each pair of drawers in preparation for shrinkage testing. Any dimension not meeting the minimum requirement of Table I, on any pair of drawers shall cause rejection of the lot.

5.3.3 Shrinkage. The drawers subjected to dimensional examination shall be used for the shrinkage test. The drawers shall be laundered and dried five times in accordance with the note in 3.2.5, and the average measurements (seat width and trunk) of the three pairs of drawers for each size then be recorded. These measurements shall be compared to the original measurements obtained in. (See 3.3) Any difference in average measurements (shrinkage or elongation) of more than 12 percent between the original measurements and the measurements after laundering on any size shall be cause for rejection of the lot.

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5.4 Acceptance criteria. Acceptance criteria shall be as specified in the contract or purchase order, in accordance with ANSI/ASQC Z1.4.

6. PACKAGING

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:

FED-STD-191 METHOD 5120                      Strength of Cloth; Ball Bursting Method

Standardization Documents Order Desk  
Building 4D  
700 Robbins Avenue  
Philadelphia, PA 19111-5094

7.2 Source of non-Government documents.

AMERICAN ASSOCIATION OF TEXTILE CHEMIST AND COLORIST (AATCC)

AATCC-61 - Colorfastness to Laundering, Home and Commercial Accelerated

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

AMERICAN SOCIETY FOR QUALITY CONTROL

ANSI/ASQC Z.14      Sampling Procedures and Tables for Inspection Attributes

(Applications for copies should be addressed to American Society For Quality Control (ANSI/ASQC Z.14) 310 West Wisconsin Avenue, Milwaukee, WI 53203)

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MILITARY INTEREST;

Custodians:

Navy – NU  
Army – GL  
Air Force – 99

Preparing Activity:

DLA – CT

(Project 8420-0102)