

INCH-POUND

A-A-50003B

March 13, 1991

SUPERSEDING

A-A-50003A

December 28, 1988

COMMERCIAL ITEM DESCRIPTION

DRAWERS, MEN'S (BRIEF TYPE)

The General Services Administration has authorized the use of this commercial item description in preference to class 1 and class 2 of Military Specification MIL-D-43783.

1. CLASSIFICATION

1.1 Classification. This commercial item description covers drawers in the following classes and sizes as specified (see 6.2):

Class 1 - White
Class 2 - Brown 436

									<u>Sizes</u>
28	30	32	34	36	38	40	42	44	

2. SALIENT CHARACTERISTICS

2.1 Description. The drawers shall be brief type with sloped elasticized leg openings and an elastic waistband.

2.2 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 1 x 1 ribbed knit. The cloth shall have a minimum of 21 wales per inch (WPI) and 29 courses per inch (CPI) resulting in a total stitches per inch (WPI x CPI) of 725 and a minimum bursting strength of 60 pounds (Ball Burst Method - ASTM D 3787).

Beneficial comments, recommendations, additions, deletions, clarifications, etc., and any other data which may improve this document should be sent to: Commander, U.S. Army Natick Research, Development and Engineering Center, ATTN: STRNC-IRT, Natick, MA 01760-5019.

AMSC N/A

FSC 8420

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

A-A-50003B

2.3 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 inch.

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

2.5 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 for shade and appearance and shall be equal to or better than the standard sample with respect to all characteristics for which the standard sample is referenced. The class 2 drawers shall exhibit good colorfastness to laundering and crocking. (NOTE: Reactive dyes have successfully provided this colorfastness characteristic). The color of the thread for class 1 drawers shall be bleached white and for 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 (Method 5610 of FED-STD-191).

2.6 Shrinkage. The finished drawers shall neither shrink nor elongate more than 12 percent in either the length or width direction after five home-type laundings 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 commercially available laundering detergent. Tumble dry in a domestic dryer using permanent press cycle.

2.7 Sizes, measurements and weights. The measurements and weight per dozen drawers for the listed sizes shall be as specified in table I.

TABLE I. Sizes, measurements and weights

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

1/ Unpackaged drawers only.

A-A-50003B

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

2.9 Label. Each pair of drawers shall have a combination size and care label. The label shall contain the following information:

"Size
Contract Number
NSN
100 percent Combed Cotton
Supplier's Name
Launder using permanent press cycle or hand wash/warm water. Tumble dry using permanent press cycle or drip dry on rustproof hanger. Do not remove this label."

For class 2 drawers, the following information shall be included in the label: "Do not use bleach. Use of acne medicine containing benzoyl peroxide will cause discoloration."

3. QUALITY ASSURANCE

3.1 Certification. The contractor shall certify, and maintain substantiating evidence, that the product offered meets the salient characteristics and requirements of this Commercial Item 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 first delivery and thereafter as may be otherwise provided for under the provisions of the contract.

3.2 End item examination. The contractor is responsible for ensuring that the product offered conforms to the stated requirements. Sampling inspection shall be in accordance with MIL-STD-105. The inspection level shall be II and the AQL shall be 4.0. The lot size shall be expressed in units of drawers. The sample unit shall be one of the drawers. All drawers shall be examined for commercial type defects affecting form, fit, function or appearance. The defects are as follows:

Any hole, cut, tear, drop stitch, thin area or mends
Any slubs more than twice the thickness of normal yarn
Any accumulation of slubs, clearly visible, causing nonuniform overall appearance
Loose knitting, causing sleaziness
Appearance of shade bars, birdseyes, miss-knit, tiger stripes, or dye streaks
Color not comparable to standard sample
Any spot or stain on outside more than 1/4 inch
Rancid or bad odor

A-A-F0003B

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

3.3 Component testing. The basic material shall be tested for compliance with the bursting strength requirements in accordance with ASTM D 3787.

3.4 End item testing and measurements. For the following tests 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 lot sizes of 12,001 or more.

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

3.6 Dimensions. Three pairs of drawers, randomly selected from each sample unit, shall be measured for the dimensions specified in table I. The 1/2 waist measurement shall be taken along the top edge of the waistband. The trunk measurement shall be taken from the top of the waistband to the fold at the bottom of the drawers midway between the leg openings. The seat width measurement shall be taken at the widest point above leg binding, excluding leg binding. 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 be cause for rejection of the lot.

3.7 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 2.7, and the average measurements (seat width and trunk) of the three pairs of drawers for each size shall then be recorded. These measurements shall be compared to the original measurements obtained (see 2.6). Any difference in average measurements (shrinkage or elongation) of more than 12 percent between the original measurements and measurements after laundering on any size shall be cause for rejection of the lot.

3.8 Durability. The drawers subjected to shrinkage testing shall be home laundered and dried five additional times, and examined for deterioration. If two or more drawers per sample size exhibit any deterioration as noted in 2.9, they shall be cause for rejection of the lot.

A-A-50003B

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

4. PACKAGING

4.1 Packaging. Three drawers of the same size and class shall be packaged in a polyethylene bag. When specified (see 5.2), two drawers of the same size and class shall be packaged in a polyethylene bag.

4.2 Packing. Two-hundred and four pairs of drawers of one size and class only shall be packed in a shipping container. The shipping container shall be a fiberboard box conforming to style RSC-L, type CF (variety SW) or SF, class domestic, grade 275 of PPP-B-636. The inside of each box shall be fitted with a box liner conforming to type CF, class domestic, variety DW, grade 275 of PPP-B-636. Inside dimensions of the box shall be approximately 23-1/2 inches in length, 15 inches in width, and 15 inches in depth. Each box shall be closed in accordance with method II as specified in the appendix of PPP-B-636.

4.3 Palletization. When specified (see 5.2), shipping containers shall be palletized in accordance with MIL-STD-147.

4.4 Marking. Marking shall be in accordance with MIL-STD-129.

5. NOTES

5.1 Intended use. The drawers are intended for use by male personnel.

5.2 Acquisition requirements. Acquisition documents must specify the following:

- a. Title, number, and date of this document.
- b. Class and size required (see 1.1).
- c. When two drawers are required per package (see 4.1).
- d. When palletization is required (see 4.3).

5.3 Samples. For access to samples, address the contracting activity issuing the invitation for bids or request for proposal or as directed by the contracting activity.

5.4 Sources of documents.

5.4.1 Source of government documents. Copies of Military and Federal documents are available from:

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

A-A-50003B

5.4.2 Sources for nongovernment documents.

ASTM D 3787 - Bursting Strength of Knitted Goods - Constant-Rate-Of-
Traverse (CRT) Ball Burst Test

(Application for copies should be obtained from the American Society for
Testing and Materials, 1916 Race Street, Philadelphia, PA 19103-1187.)

MILITARY INTERESTS:

Custodians:

Army - GL
Navy - NU
Air Force - 99

Review activities:

Navy - MC
Army - MD
DLA - CT
Air Force - 82

User activities:

Navy - CG
Air Force - 45

CIVIL AGENCY COORDINATING ACTIVITY:

GSA - FSS

PREPARING ACTIVITY:

Army - GL

(Project 8420-0090)