

A-A-50003A  
December 28, 1988  
SUPERSEDING  
A-A-50003  
August 24, 1981

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 of Military Specification MIL-D-43783.

1. SALIENT CHARACTERISTICS

- 1.1 Description. The drawers shall be brief type with sloped elasticized leg openings and an elastic waistband.
- 1.2 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 25 wales and 29 courses per inch and a minimum bursting strength of 60 pounds (Ball Burst Method - ASTM D 3787).
- 1.3 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.
- 1.4 Waistband. The waistband shall be woven from cotton 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.
- 1.5 Color. The color of the drawers shall be bleached white.
- 1.6 Sizes. The sizes shall be 28 through 44 with a 2 inch grade between sizes.
- 1.7 Shrinkage. The finished drawers shall neither shrink nor elongate more than 12 percent in either the length or width direction after five home-type launderings and tumble dryings.

AMSC N/A

FSC 8420

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

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**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 (130°-140°F) water using commercially available laundering detergent. Tumble dry in a domestic dryer using permanent press cycle.

1.8 Sizes, measurements and weights. The minimum 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 Min., Oz/Dozen 1/	1/2 Waist (Relaxed)(Inches)	Trunk (Inches)	Seat Width (Inches)
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.

1.9 Durability. The finished drawers, after 10 home type laundering finishing operations 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.

1.10 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.

1.11 Workmanship. The drawers shall not contain any holes, cuts, tears, open seams, spots, stains, objectionable odors, or parts badly pleated.

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## 2. QUALITY ASSURANCE

2.1 Certification. The contractor shall certify that the product offered meets the salient characteristics of this description and conforms to the producer's own specifications, standards, and quality assurance practices. When specific quality assurance provisions are specified for any commercial characteristic, the contractor shall furnish data resulting from inspection conducted in accordance with the specific quality assurance provisions. 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.

2.2 End item examination. The contractor is responsible for assuring 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
- 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

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

2.4 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.

2.5 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.

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2.6 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 mid way 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.

2.7 Shrinkage. The drawers subjected to dimensional examination shall be used for the shrinkage test. The drawers shall be laundered and dried 5 times in accordance with the note in 1.7, and the average measurements (seat width and trunk) of the 3 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.

2.8 Durability. The drawers subjected to shrinkage testing shall be home laundered and dried 10 additional times, and examined for deterioration. If two or more drawers per sample size exhibit any deterioration as noted in 1.9, they shall be cause for rejection of the lot.

### 3. PACKAGING

3.1 Packaging. Three drawers of the same size shall be packaged in a polyethylene bag.

3.2 Packing. Two-hundred and four pairs of drawers of one size 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.

3.3 Palletization. When specified (see 4.2), shipping containers shall be palletized in accordance with MIL-STD-147.

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

### 4. NOTES

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

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4.2 Ordering data.

- a. Title, number and date of this document.
- b. Size required (see 1.6).
- c. When palletization is required (see 3.3).

4.3 Source of government documents. Copies of military and Federal documents are available from:

Naval Publications and Forms Center  
 5801 Tabor Avenue  
 Philadelphia, PA 19120

4.3.1 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.)

MILITARY INTERESTS:

CIVIL AGENCY COORDINATING ACTIVITY:

Custodians

GSA - FSS

- Army - GL
- Navy - NU
- Air Force - 99

PREPARING ACTIVITY:

Army - GL

Review Activities

Project No. 8420-0085

- Navy - MC
- Army - MD
- DLA - CT

User Activity

Navy - CG