INCH-POUND

A-A-50015C
August 7 1996

SUPERSEDING
A-A-50015B
September 30 1991

COMMERCIAL ITEM DESCRIPTION

SOCKS, STRETCH TYPE (DRESS OR LINER)

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

1. **SCOPE.** This commercial item description covers the requirements for stretch type, ribbed knit, cotton/nylon, and polyester socks. The socks are intended for dress wear or as a liner in a sock system by personnel of the Department of Defense.

2. **CLASSIFICATION.** The socks shall be provide in the following types:

Type I - Cotton/nylon (Dress)
Type II - Polyester/nylon/spandex or rubber (Liner or Dress)

3. **SALIENT CHARACTERISTICS**

3.1 Description.

3.1.1 Type I. The socks shall be seamless, circular 1 X 1 mock or true rib knit, stretch type with a ribbed elastic top, fabricated on a 132-240 needle machine or a equivalent process, and suitable for dress wear.

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-FNSE, 2800 South 20th Street, Philadelphia, PA 19145-5099.

AMSC N/A FSC 8440

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3.1.2 Type II. The socks shall be circular knitted, with a ribbed elastic top, a reciprocated heel and standard flat toe seam. The socks shall be knit on a 3-3/4 inch or 4 inch diameter, single or double cylinder, not less than 132 needles for appearance.

3.2 Material.

3.2.1 Type I. The socks shall be made of cotton yarn plied with stretch nylon yarn, or cotton yarn plated with stretch nylon yarn. The plating will result in the cotton yarn dominating the inside of the sock.

3.2.2 Type II. The socks shall be made from 18/1 cc tetra-channel polyester fiber combined with one end of 100-34 textured nylon or a fiber with comparable properties. The cuff shall be knitted with 120-180 denier spandex or 95-100 gage rubber, double wrapped with 1/40 denier multifilament flat nylon. The total fiber percentages shall be a minimum of 78% polyester for coolness, a maximum of 2% spandex or rubber for fitness and if needed, the remaining fiber type shall be nylon.

3.3 Elastic top. The elastic top for the Type I sock shall be a true 1 by 1 ribbed knit made with an elastic yarn, or cotton yarn consisting of a spandex core with a stretch type inner and outer cover, and finished with a turn-over, non-raveling welt, and free from loose ends. The elastic top for the Type II socks is a 2 inch 1 X 1 mock or true rib knit by 3-1/2 inches wide.

3.4 Color. The color of the Type I and II socks shall be black as specified.

3.5 Sizes and measurements. The finished socks shall conform to the sizes below as identify by National Association Of Hosiery Manufactures (NAHM).

TYPE I	TYPE II
Small - 9-11	Extra-extra small - 5-7
Medium - 10-13	Extra small - 7-9
Large - 13-15	Small - 9-11
	Medium - 10-13
	Large - 13-15

3.5.1 Stretch and Weight. The finished socks shall conform to the stretch and weight requirements listed in Tables I and II. Extra-extra-small, Extra-small, Small, Medium and Large may be abbreviated to XXSM, XSM, SM, MED, LG.

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TABLE I. Stretch and weight requirements (Type I)

Size	Weight/dozen oz. (min.) 1/	Relaxed leg length inches (min.) 2/	Relaxed foot length inches (max.) 3/	Stretch foot length inches (min.) 4/
SM	10.5	10-1/2	8-1/2	12
MED	11.5	10-1/2	10-1/2	14
LG	12.5	10-1/2	12-1/2	16

TABLE II. Stretch and weight requirements (Type II)

Size	Weight/dozen oz. (min.) 1/	Relaxed leg length inches (min.) 2/	Relaxed foot length inches (max.) 3/	Stretch foot length inches (min.) 4/
XXSM	14	12-1/2	6-1/2	8-1/2
XSM	15	12-1/2	6-3/4	8-3/4
SM	18	14	9-1/2	11-1/2
MED	20	14	9-1/2	11-1/2
LG	22	14	9-3/4	11-3/4

1/ Unpackaged socks only.

2/ The length is the measured distance from the bottom of the heel to the top of the sock.

3/ The measurement of the relaxed foot length shall be taken in a straight line from the tip of the toe to the back of the heel along a straight line through the tip of the toe and the bottom of the heel gore.

4/ The measurement of the stretched foot length shall be taken from the tip of the toe to the lower end of the heel gore, holding the sock firmly between the thumb and the finger at the toe tip and at the heel gore, and stretching the fabric to its limit.

3.6 Bursting strength (Type I and II). The leg material of the finished socks shall have a ball bursting strength of not less than 85 pounds when tested in accordance with ASTM D3787.

3.7 Label/marking. Each sock shall have a size marking applied just below the instep and centered between the ankle and toe. The color of the marking shall be white. Each pair of socks shall have a commercial-type label containing the contractor's name, contract number and National Stock Number (NSN).

3.7.1 Washing instructions. Each pair of socks shall contain the following washing instructions: **Machine wash, warm water, no softener either in washer or dryer. Tumble dry warm.**

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3.7.2 Label/tag. Each pair shall have a printed bar code or a bar code label attached to each item, clearly legible and readable by a scanner. The bar coding element shall be a 13 digit national stock number (NSN). The bar code type shall be a medium to high code density and shall be located so that it is completely visible on the item when it is folded and/or packaged as specified and so that it causes no damage to the item.

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 provided shall meet the salient characteristics of this commercial item description and conforms to the producer's standards and quality assurance practices, and be the same product offered for sale in the commercial market. The Government reserves the right to require proof of such conformance.

5.2 Visual examination. Each sock shall be examined for the defects listed below:

Defects. Any hole, cut, or tear; any degree of degradation of the elastic top; any thin areas, mends, frayed, or raveled; color shall not have a heather effect; noticeable variation in shade between two socks of a pair; noticeable variation in size (length and width) in a pair; knit construction of sock not as specified; any spot or stain (outside); any run or drop stitches, including holes looping or seaming; any material defects, distorted parts or poor workmanship; any component part omitted; marking 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.

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

6. **PACKAGING.** The preservation, packing, and marking shall be as specified in the contract or order.

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7. NOTES

7.1 Source of Government documents. Copies of military and Federal documents are available from:

Department of the Navy
Defense Printing Services
Detachment Office
700 Robbins Avenue, Bldg. 4D
Philadelphia, PA 19111-5093

7.2 Source of non-Government documents

ASTM Test Methods

(Applications for copies should be addressed to American Society For Testing and Materials, 100 Barr Harbor Drive, West Conshohocken PA 19428-2959.)

NAHM Sizing Standard

(Applications for copies should be addressed to National Association Of Hosiery Manufacturers, 447 S. Sharon Amity Rd., Charlotte, North Carolina 28211.)

7.3 Finishing (Type II). Cationic softeners and compounds containing silicon should be avoided as they tend to affect wickability performance.

MILITARY INTERESTS:

Custodians
Army - GL
Navy - NU
Air Force - 99

Review Activities
Army - MD
Navy - MC, AS
Air Force - 82, 45, 32

CIVIL AGENCY COORDINATING ACTIVITY:
GSA - FSS

PREPARING ACTIVITY:
DLA - CT

Project 8440-0227

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