



Royal Canadian Mounted Police
Gendarmerie royale du Canada

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Specification

Socks, Heavy Weight, Blue

This document has 9 pages including the drawings.

This document was created in English.

The document is available in English and French.

English/Anglais
Français/French

The photograph on this page is for reference only.



RCMP VIEWING SAMPLE

A viewing sample, when available, will be supplied to the successful bidder.

This will be used for the guidance of the manufacturer in all factors not covered by this specification or referred to therein. Variation from the specification may appear in the sample in which case the specification governs.

It may be obtained from:

Royal Canadian Mounted Police
ATTN: Uniform & Equipment Program
(440 Coventry Road, Warehouse Building)
73 Leikin Drive
Ottawa, Ontario
K1A 0R2

It will be sent “prepaid” and is to be returned “prepaid”.

The viewing sample must be returned to the RCMP in the same condition as received by the manufacturer. Lost or damaged viewing samples must be replaced by an identical item or the RCMP must be reimbursed for the cost of an acceptable replacement.

SPECIFICATION

SOCKS, HEAVY WEIGHT, BLUE

1. Definition

- 1.1 This specification governs the manufacture and inspection of Socks, Heavy Weight, Blue. The specific item covered under this specification with stock number is as follows:
- i. 6450 Socks, Heavy Weight, Blue / Chaussettes épaisses bleues.
- 1.2 This specification, drawing, viewing sample or other information issued in connection therewith, may only be used for specific enquiries, solicitations, or orders placed on behalf of the Royal Canadian Mounted Police.
- 1.3 This specification supersedes all previous specifications for Socks, Heavy Weight, Blue.
- 1.4 This specification has been translated into French from this original English language document.

2. Applicable Documents

- 2.1 The following publications are applicable to this specification and to the issues in effect on the date of the solicitation, unless otherwise specified.
- 2.2 American Association of Textile Chemists and Colorists
AATCC Test Method 8-2016 Colorfastness to Crocking: Crockmeter Method
AATCC Test Method 20A-2017 Fiber Analysis: Quantitative
- 2.3 Canadian General Standards Board
CAN/CGSB-4.2 No.19.1-2004 (R2013) Colourfastness to washing – Accelerated test – Launder-Ometer
CAN/CGSB-4.2 No.22-2004 (R2013) Colourfastness to rubbing (Crocking)
CAN/CGSB-4.2 No.23-M90 (R2013) Colourfastness to perspiration
CAN/CGSB 86.1-2003 Care Labelling of Textiles
- 2.4 International Standards Organization
ISO 105-E-04:2013 Textiles – Tests for colour fastness – Colour fastness to perspiration

3. **General Requirements**

- 3.1 The article or material covered by this specification must be free from material and manufacturing defects that may affect its appearance or serviceability. In all particulars not covered by this specification or contract documents, production must be equivalent in all respects to the viewing sample.
- 3.2 **Design** – The Socks, Heavy Weight, Blue to this specification must be designed in accordance with the drawing attached and forming part of this part of this specification, and the viewing sample.

4. **Detail Requirements**

4.1 **Components**

- 4.1.1 **Yarn** – The yarn must be a blend of 29 micron spun wool, nylon and spandex. There must be no less than 68% or more than 80% wool. There must be no less than 20% or more than 30% nylon and no less than 1% or more than 4% spandex. The yarn must be dyed in dark navy blue, meeting the requirements outlined in Table I. The yarn must be pre-washed and pre-shrunk as per good commercial practice.

- 4.2 **Dimensions** – The Socks, Heavy Weight, Blue to this specification must be made to the dimensions given in the scale of measurements and the drawings.

4.3 **Construction**

- 4.3.1 **Knitting** – The cuff, leg and top of the foot must be a 3x1 rib. The sole must be plain knit. There must be spandex yarn woven into the top 6 cm of the cuff.
- 4.3.2 **Machine** – The machine must be a circular machine 13 cm in diameter, 68 to 84 needles.
- 4.3.3 **Closing** – The toes must be closed by auto flat seam or on a merrow sewing machine. Closing thread colour must match the sock colour.

- 4.4 **Marking** – Each pair of socks must be legibly marked in accordance with good commercial practice, with the following information in English and French.

1. Item name as per para. 1.1 in English and French
2. RCMP Stock Number (Ex. 6450-000)

3. Manufacturer's Identification
4. Date of Manufacture, in numeric format year/month (Ex. 2001/11)
5. Size

4.5 **Cleaning Instructions Label** – The label must be completed in accordance with the manufacturer's recommended cleaning instructions in English and French. The use of cleaning symbols as per CAN/CGSB 86.1-2003 is acceptable as a replacement to text.

Note: The manufacturers identification must not appear anywhere on the garment except on the garment label as indicated.

5. **Quality Assurance Provisions**

- 5.1 **Responsibility for Inspection** – Unless otherwise stipulated in the contract, it is the Contractor's responsibility to satisfy the RCMP, Uniform & Equipment Program that the components and material being supplied conform to this specification. This must be accomplished by performing the tests specified in this specification or by demonstrating to the satisfaction of the RCMP, Uniform & Equipment Program that conformity to this specification of manufacturing processes is assured. The Contractor must use an independent commercial testing establishment.
- 5.2 The RCMP, Uniform & Equipment Program reserves the right to perform any inspection considered necessary to ensure the material and services conform to the specified requirements. For the purpose of inspection, a portion of each delivery not exceeding two percent or two out of any number delivered under 100 may be put to tests that could destroy the articles. If found to be inferior or not in accordance with this specification, all articles so destroyed must be replaced by others of proper quality and pattern at the expense of the contractor. The entire delivery may also be rejected if it is found that articles previously rejected due to non-repairable defects are redelivered for inspection.
- 5.3 The Contractor will be promptly notified when any articles are not accepted and such articles will be returned at the Contractor's risk and expense.

Scale of Measurements – Socks, Heavy Weight, Blue

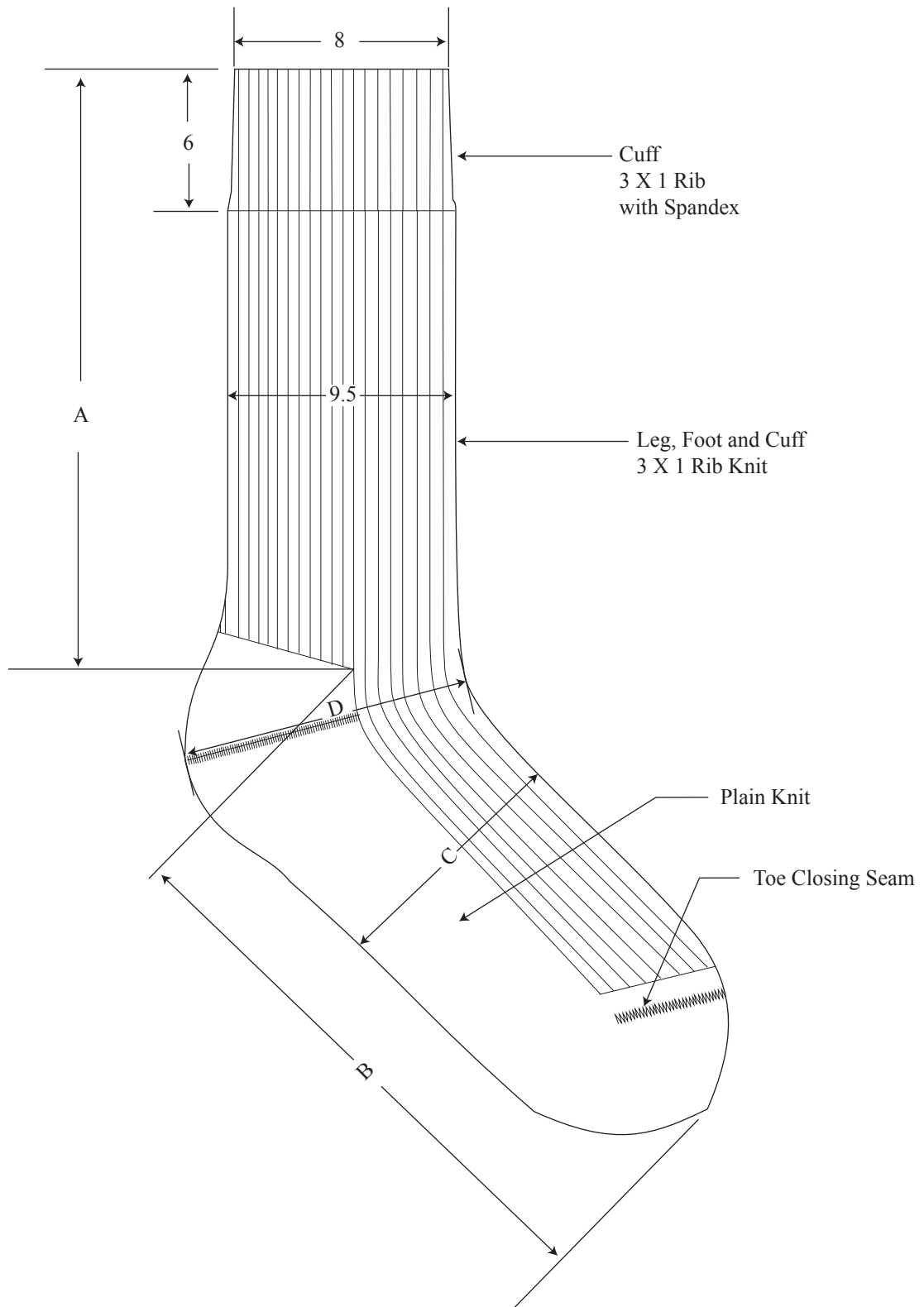
Size	Sock Length	Foot Length	Foot Width	Heel Width	Weight per Pair in grams
8	35	15	9	10.5	140
9	35	17	9.5	11	145
10	38	21	9.5	11	155
11	38	23	10	11.5	160
12	38	25	10	12	170
Measurement Location in Drawing 1	A	B	C	D	
Tolerances \pm	1.5 cm	1 cm	0.5 cm	0.5 cm	12 grams

Note: All measurements are in centimetres unless specified.

TABLE I
Yarn Properties

	TEST	RCMP REQUIREMENTS		Test Method
1	Colour	Navy to match colour swatch		<ul style="list-style-type: none"> Visual inspection
2	Yarn Fibre Content	68-80% Wool 20-30% Nylon 1-4% Spandex		<ul style="list-style-type: none"> AATCC Test Method 20A-2017 Must be tested on yarn sample, not finished sock
3	Colourfastness to Washing	Colour change	Grade 4 or better	<ul style="list-style-type: none"> CAN/CGSB-4.2 No.19.1-2004 (R2013) <i>Test No. 5</i>
		Staining	Grade 3-4 or better	
4	Colourfastness to Crocking	Dry	Grade 4 or better	<ul style="list-style-type: none"> CAN/CGSB-4.2 No.22-2004 (R2013) AATCC Test Method 8-2016, AATCC Gray Scale for Staining (EP2)
		Wet	Grade 3-4 or better	
5	Colourfastness to Perspiration	Colour change	Grade 4 or better	<ul style="list-style-type: none"> CAN/CGSB-4.2 No.23-M90 (R2013) ISO 105-E04:2013
		Staining	Grade 3-4 or better	

Drawing 1



NOT TO SCALE

All measurements are shown in centimeters, unless otherwise indicated.

± 0.5 cm tolerance acceptable unless otherwise indicated.