



Royal Canadian Mounted Police
Gendarmerie royale du Canada

Doc. no: G.S. 1045-163

Date: 2016-04-26

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 shall govern.

It may be obtained from:

Royal Canadian Mounted Police
ATTN: Uniform & Equipment Program
(440 Coventry Road, Warehouse Building)
1200 Vanier Parkway
Ottawa, Ontario
K1A 0R2

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

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

SPECIFICATION

SOCKS, HEAVY WEIGHT, BLUE

1. Definition

1.1 This specification shall govern 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, viewing sample, drawing 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 Specifications

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 CAN/CGSB 4.2 Textile Test Methods; 14-2005, 19.1-2004 (R2013), 22-2004 (R2013), 23-M90 (R2013).

2.3 ISO, International Standards Organization Textile Test methods; ISO 105-C01, ISO 105-E-04.

2.4 CAN/CGSB 86.1-2003 Care Labelling of Textiles

3. General Requirements

3.1 The article or material covered by this specification shall 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 shall be equivalent in all respects to the viewing sample.

- 3.2 **Design** - Socks, Heavy Weight, Blue to this specification shall 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 shall be a blend of 29 micron spun wool nylon and spandex. There shall be not less than 68% or more than 80% wool. There shall be not less than 20% or more than 30% nylon and not less than 1% or more than 4% spandex. The yarn shall be dyed in dark navy blue, meeting the requirements outlined in Table I. The yarn shall be pre-washed and pre-shrunk as per good commercial practice.

- 4.2 **Dimensions** - Socks, Heavy Weight, Blue to this specification shall be made to the dimensions given in the scale of measurements and the viewing sample.

4.3 **Construction**

- 4.3.1 **Knitting** - Cuff, leg and top of foot shall be 3x1 rib. The sole shall be plain knit. There shall be spandex yarn woven into top 6 cm of the cuff.




- 4.3.2 **Machine** - The machine shall be a circular machine 13 cm, in diameter, 68 to 84 needles.

- 4.3.3 **Closing** - The toes shall be closed by auto flat seam or on a merrow sewing machine. Closing thread colour is to match sock colour.

- 4.3.4 **Marking** - Each pair of socks shall be legibly marked in accordance with good commercial practice, with the following information in English and French:

1. Manufacturer's Identification
2. Size
3. RCMP Stock Number (6450-000)
4. Date of Manufacture, in numeric format year/month (Ex. 2001/11)

- 4.3.5 **Cleaning Instructions Label** - The label shall be completed in accordance with the following information in English and French. The use of cleaning symbols is acceptable as replacement to text as shown below.

Machine wash - cold (30°C)	Laver à la machine – à l’eau froide (30°C)	
Do Not use fabric softener or chlorine bleach	Ne pas utiliser d’agent assouplissant ni d’agent de blanchiment	
Tumble dry- low (Do Not use dryer sheets)	Séchage par culbutage – à basse température (Ne pas utiliser d’assouplissant en feuilles)	

Note: The manufacturers identification shall 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 prime contractor's responsibility to satisfy the R.C.M.P., Uniform & Equipment Program that the material and services being supplied conform to this specification. This may be accomplished by performing the tests specified in this specification or by demonstrating to the satisfaction of the R.C.M.P., Uniform & Equipment Program that conformity to this specification of manufacturing processes is assured. The contractor may use any commercial testing establishment acceptable to the R.C.M.P., Uniform & Equipment Program.
- 5.2 The R.C.M.P., 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 shall 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.

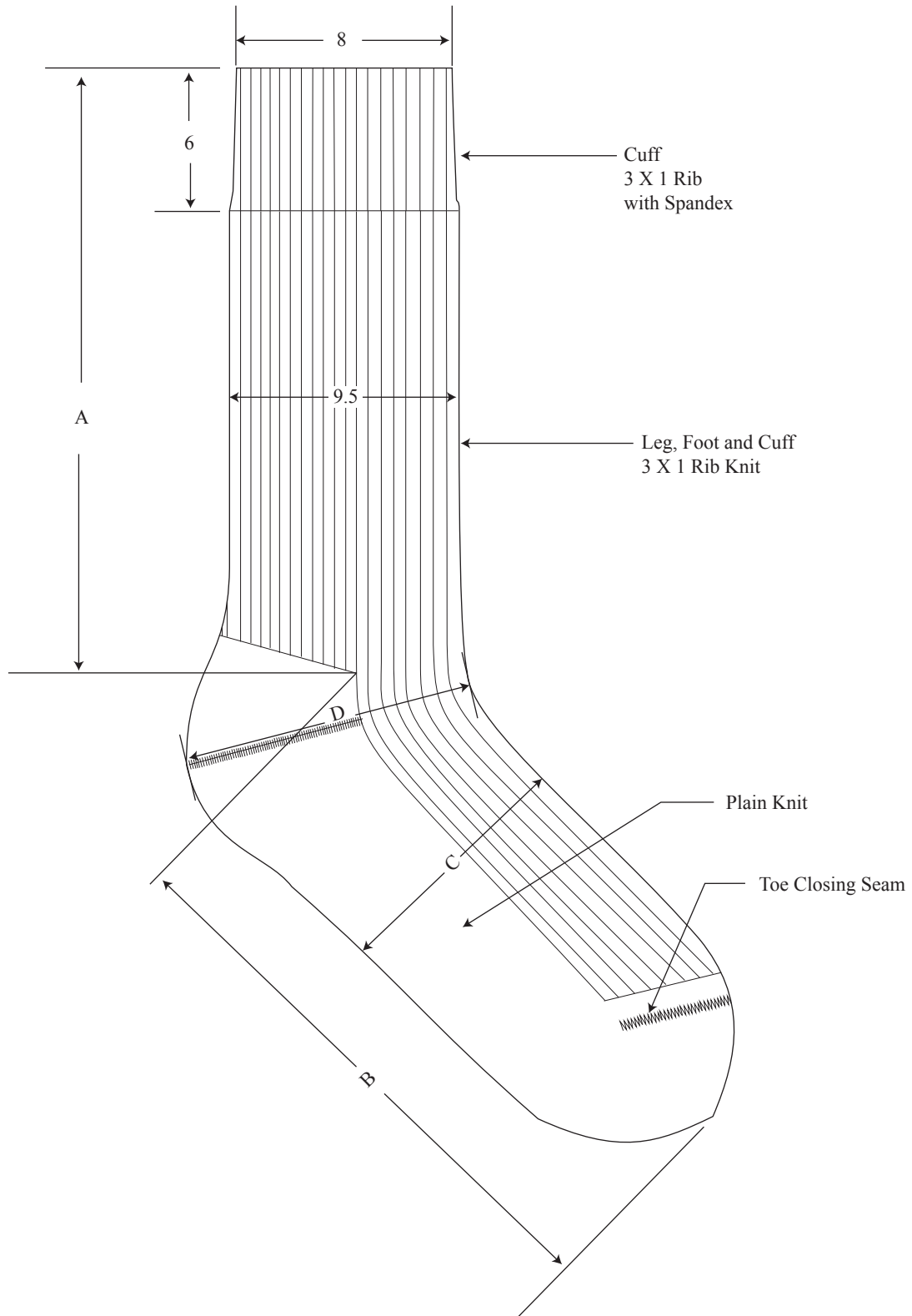
Scale of Measurements – Socks, Heavy Weight, Blue

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	A	B	C	D	
Tolerances \pm	1.5 cm	1 cm	0.5 cm	0.5 cm	12 grams

TABLE I
Yarn Properties

	TEST	RCMP REQUIREMENTS	TEST METHOD
1	Colour	Navy, to match swatch available from RCMP Uniform and Equipment Program	
2	Fibre Content	68-80% Wool 20-30% Nylon 1-4% Spandex	<ul style="list-style-type: none"> • CAN/CGSB 4.2 Method 14-2005
3	Colourfastness - To Laundering (cool wash 30°C)	Colour change: Grade 4 or better Staining: Grade 3-4 or better	<ul style="list-style-type: none"> • CAN/CGSB-4.2 Method 19.1-2004 (R2013)
4	Colourfastness - To Crocking	Dry: Grade 4 or better Wet: Grade 3-4 or better	<ul style="list-style-type: none"> • CAN/CGSB-4.2 Method 22-2004 (R2013) • ISO 105-C01
5	Colourfastness - To Perspiration	Colour change: Grade 4 or better Staining: Grade 3-4 or better	<ul style="list-style-type: none"> • CAN/CGSB-4.2 Method 23-M90 (R2013) • ISO 105-E-04

Drawing # 1



NOT TO SCALE

All measurements are shown in centimeters, unless otherwise indicated.

± 0.5 cm tolerance acceptable unless otherwise indicated.