Royal Canadian Mounted Police
Gendarmerie royale du Canada

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Specification

Pouch, Magazine, Carbine

This document has 12 pages including the drawings.

This document was created in English.

The document is available in English and French.

☑ English/Anglaise
Français/French

The photograph on this page is for reference only.

Issued on the authority of the Commissioner, Royal Canadian Mounted Police.

Modifications

Date	Para. No's	Modifications
2013-07-31		Original Specification
2013-09-13	Para. 2.5 & 2.6 Para. 4.1.1 & Table I Para. 4.1.2, 4.1.4, 4.1.6 Appendix A	Added standards to reference ASTM & ISO. Added Table for shell material as reference. Added Certificate of compliance requirement. Added evaluation table check list.

RCMP VIEWING SAMPLE

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

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

POUCH, MAGAZINE, CARBINE

1. Definition

1.1 This specification shall govern the manufacture and inspection of Pouch, Magazine, Carbine.

1.2 This specification, patterns, viewing sample, drawing or other information issued in connection therewith, may only be used for specific enquiries, tenders, or orders placed on behalf of the Royal Canadian Mounted Police.

1.3 This specification supersedes all previous specifications for R.C.M.P. Pouch, Magazine, Carbine.

2. Applicable Specifications

2.1 The following publications are applicable to this specification and to the issues in effect on the date of the invitation to tender, unless otherwise specified.

2.2 CAN/CGSB 4.2 Textile Test Methods.

2.3 CAN/CGSB 4.131-93, Thread, Polyester.

2.4 FED-STD 191, Federal Standard, Textile Test Methods.

2.5 ASTM, American Society for Testing and Materials, Method D2262, D3776.

2.6 ISO 105, ISO 7211-2, ISO 4920 International Standards Organization.

3. General Requirements

3.1 The article or material covered by this specification shall be free from imperfections or blemishes such as 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** - Pouch, Magazine, Carbine to this specification shall be a soft fabric, flapped pouch capable of holding a single R.C.M.P. 30-rd M16/M4-type patrol carbine magazine. It shall secure to load-carrying vests by means of MOLLE-type quick-release rigid straps with dome fasteners.

3.3 In the event of any inconsistency in contract documents, specification, pattern, drawing, or viewing sample, the aforementioned shall prevail in the following order:

(i) Contract
(ii) Specification
(iii) Drawing
(iv) Viewing Sample

4. Detail Requirements

4.1 Material

4.1.1 **Shell Material** – The shell material shall be a black 100% nylon, plain weave fabric, 500 denier, weight 235 g/m^2 minimum, with 25 g/m^2 minimum urethane coating, meeting the requirements outlined in Table I.
Certification of compliance must be provided.

4.1.1.1 **Main Body Reinforcing Material** – Pellon-type non-woven interfacing material, 0.70-1.0 mm thick equal to viewing sample.

4.1.2 **Hook and Loop Tape** – Shall be woven nylon, black in colour, with a high life cycle. The combined hook and loop shall have no less than (8) P.S.I length-wise shear strength. The initial peel strength shall not be less than 1 P.I.W. and after 1000 cycles shall be not less than .5 P.I.W. with a minimum lengthwise shear of 4 P.S.I. Dimensions shall be as per drawings and pattern template.
Certification of compliance must be provided.

4.1.3 **Elastic Retention Strap** - Shall be heavy duty nylon elastic, black in colour, 3.75 cm (1.5”) wide with maximum elongation of 130% and recovery as per viewing sample.

4.1.4 **Webbing, ‘MOLLE’ & Retention Straps** – The webbing shall be a durable nylon webbing, luggage quality, black in colour measuring 25.4 mm (1”) or 38.1 mm (1.5”) wide as per application. It shall have a minimum tensile strength of 1680 lbs. as per Federal Standard 191-5206 test method #4108 and be equal in all respects to viewing sample.
Certification of compliance must be provided.

4.1.4.1 **Plastic reinforcing for Retention Straps** – Black plastic high density polyethylene or equivalent, 1.25 to 1.35 mm thick, 19 mm wide, rigidity and properties to equal viewing sample.

4.1.5 **Thread** - Shall be polyester wrap, polyester core, Tex 50, of matching shade to the shell material, meeting CAN/CGSB 4.131-93.
Certification of compliance must be provided.

4.1.6 **Buckle, Square Ring, Plastic** – High quality impact resistant acetal (POM) plastic square ring buckle, black in colour, inner dimensions 26.5 mm x 6.5 mm minimum, as per viewing sample. UTX Product HL-D001, 25 mm is known to meet this requirement.
Certification of compliance must be provided.

4.1.7 **Dome Fasteners** – Shall be metal dome fasteners, 'medium' action, black in colour equal to the viewing sample.

4.1.8 **Drainage Grommet** – Shall be metal, black in colour, inner diameter 4.75-5.25 mm.

4.2 **Size and Dimensions** – Pouch, Magazine, Carbine to this specification shall be supplied in the size specified by the RCMP and to the dimensions given in the drawings forming part of this specification.

4.3 **Construction**

4.3.1 **Stitching** - All stitching shall be lockstitch. There shall be not less than two nor more than three stitches per centimeter. The beginning and ending of all stitching shall be securely backstitch tacked, unless secured by other stitching. Care shall be taken to avoid broken threads or dropped stitches.

4.3.2 **Body** - The main body of the pouch shall be made from the shell material specified in Para. 4.1.1. and shall be sized and shaped according to the dimensions given in Drawings #1 & # 2. The body-side of the pouch shall be of two layers, with an interfacing to provide rigidity. The pouch must fit a single thirty (30) round M16/M4-type STANAG patrol carbine magazine with a good friction fit provided by the elastic strap across the front of the pouch body. The elastic strap shall be of the material specified in Para. 4.1.3, and shall have the ends turned and stitched during attachment as per the viewing sample to prevent fraying of the cut ends. There shall be a single metal grommet in the bottom of the pouch pocket for water drainage, securely positioned. The pouch shall have a flap of two layers of shell material to further secure the magazine in the pouch, and this flap shall be secured by hook and loop tape, hook to be on the flap, loop to be on the pouch body, flap to be centred in relation to the body of the pouch. The flap shall have a pull-tab made of the webbing specified in Para. 4.1.4, 25.4 mm wide and 17.5 to 20 mm long. The loop tape on the body will be attached to a piece of 38.1 mm wide webbing specified in Para. 4.1.4; this piece of webbing will then be attached to the front of the pouch with either one or two rows of reinforced stitching in two places, as per viewing sample, creating a channel for the elastic strap to pass through, and allowing 30 mm of the loop tape/webbing to extend above the top

edge of the pouch opening with the top end unsecured by stitching, dimensioned and as per the drawings and viewing sample. The top edge of the opening of the pouch shall be turned over and stitched with two rows of stitching for pocket opening rigidity and reinforcement. Dome fasteners, male portion, shall be inserted into the bottom of each pouch, body side, to mate with the female portion dome fasteners on the MOLLE Retention Straps, as per Drawing # 2 and the viewing sample.

4.3.3 **MOLLE Retention Straps** – The pouch shall have two free-sliding retention straps on the back of the pouch intended to function with MOLLE strapping systems on R.C.M.P. load-carrying vests. These straps shall be made of two layers of the webbing specified in Para. 4.1.4, stitched together with three equidistant rows of stitching for the entire length of the strap, the outside rows for securing the two layer edges, and the middle row penetrating through the plastic stiffener. There shall be a dome fastener, female portion, inserted into the bottom of the strap to mate with the dome fasteners, male portion, on the body side of the pouch. The top end of the retention straps shall be turned over and stitched to provide a 'stopper' after the straps are inserted into the plastic square ring buckles specified in Para. 4.1.6. The buckles shall each be attached to two pieces of 25.4 mm webbing for insertion into the two-layer back portion of the main body of the pouch, as per the viewing sample. The webbing securing the buckles shall be secured by bartacks for permanency and durability.

4.3.4 **MOLLE Webbing** – On the rear, body-side of the pouch, there shall be four horizontal MOLLE webbing straps made of 25.4 mm wide webbing specified in Para. 4.1.4. and located as per Drawing # 2 and the viewing sample, across the entire width of the pouch. These straps shall be attached by three rows of equally spaced double reinforced stitching, and shall be located and situated in accordance with the drawings and the viewing sample. For strength and durability purposes, each end of these straps shall wrap around the edges of the pouch and shall be captured between the two layers of the rear of the pouch body. The top two rows of webbing shall also be bartacked to the body of the pouch in accordance with Drawing # 2 and the viewing sample.

4.5 **Marking** - Each Pouch, Magazine, Carbine shall have a label marked legibly and indelibly in English and French attached in accordance with the requirements outlined below. The label shall be placed inside the pouch body, secured by stitching.

- R.C.M.P. item name
- R.C.M.P. stock number (MMR#122581)
- Manufacturer's identification

5. Delivery, Packing and Marking of Containers

5.1 Unless otherwise specified the items shall be delivered to the Commissioner, R.C.M.P., Uniform & Equipment Program, Ottawa, Ontario, free of transportation charges and provincial tax.

5.2 Packing and marking of shipping containers shall be as specified in the invitation to tender.

5.3 A packing slip shall be enclosed showing contents of each shipment.

6. Quality Assurance Provisions

6.1 **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.

6.2 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.

6.3 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.

TABLE I
Shell Material

	REQUIREMENT	ACCEPTABLE TESTED METHODS
Colour	Black, to match swatch available from RCMP Uniform & Equipment Program	
Fibre Content	100% 500 denier Nylon Type 6.6	---
Weave	Plain	Visual
Mass	Fabric: 235 g/m^2 (6.95 oz/yd^2) min. Coating: 25 g/m^2 (0.75 oz/yd^2) min.	CAN/CGSB-4.2 Method 5.1 ASTM D-3776 Fed. Std. 191 - 5041
Yarns per cm	Warp: 18 min. Weft: 13 min.	CAN/CGSB-4.2 Method 6 ISO 7211-2 Fed. Std. 191 - 5050
Breaking Strength - Grab Method	Warp: 1000 N min. Weft: 800 N min.	CAN/CGSB-4.2 Method 9.1
Tearing Strength - Tongue Method	Warp: 66 N (15 lbs) min. Weft: 50 N (11 lbs) min.	CAN/CGSB-4.2 method 12.1
Resistance to Surface Wetting - Spray Method	100 initial	CAN/CGSB-4.2 Method 26.2 ISO 4920 Fed. Std. 191 - 5526
Hydrostatic Resistance	No leakage at 35cm	CAN CGSB 4.2 Method 26.3 Fed Std. 191 - 5514

APPENDIX A

Certification & Evaluation Criteria

Appendix A contains definitions of compliance and certification requirements for all materials specified in this document. The evaluation criteria is a reference list and shall be used by RCMP Uniform & Equipment Program to ensure all documentation is received and meets the requirements outlined in this specification.

Definitions:

Certification of compliance: Compliance certification documents shall be based on testing from a raw goods manufacturer from an in-house or independent, third-party accredited laboratory acceptable to the RCMP to verify performance requirements as specified in this specification or where indicated an invoice from the raw good supplier is also acceptable.

Test Report: Test report documents shall include the test method, test conditions and test results performed by an independent, third-party accredited laboratory acceptable to the RCMP to verify requirements as specified in this specification.

All certificates and test reports that verify the performance of materials used in manufacturing the finished item shall be retained by the manufacturer and shall be made available to ensure that all items meeting the requirements have completed all of the testing and certification required by this specification. Failure to provide the requested documentation shall be cause for rejection. Failure to meet the requirements when tested by the RCMP Uniform & Equipment Program shall be cause for rejection.

Para. Title/Test	Certification of Compliance
Shell Material (Para. 4.1.1)	Required **(a product information sheet from the fabric manufacturer is acceptable)**
Hook and Loop (Para. 4.1.2)	Required
Webbing (Para. 4.1.4)	Required
Thread (Para. 4.1.5)	Required
Buckle Square Ring Plastic (Para. 4.1.6)	Required