

MIL-B-45417C (MU)
1 JUNE 1973
SUPERSEDING
MIL-B-45417B
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MILITARY SPECIFICATION

BANDOLEER, APERS, MINE, M7, ASSEMBLY

1. SCOPE

1.1 This specification covers one type of bandoleer, designated as Bandoleer, M7, Assembly.

2. APPLICABLE DOCUMENTS

2.1 The following documents of the issue in effect on date of invitation for bids or request for proposals, form a part of this specification to the extent specified herein.

SPECIFICATIONS

MILITARY

MIL-A-2550 - Ammunition and Special Weapons, General Specification for.

STANDARDS

MILITARY

MIL-STD-105 - Sampling Procedures and Tables for Inspection by Attributes.
MIL-STD-109 - Quality Assurance Terms and Definitions
MIL-STD-1168 - Lot Numbering of Ammunition.
MIL-STD-1169 - Packaging, Packing and Marking for Shipment of Inert Ammunition Components
MIL-STD-1235 - Single and Multilevel Continuous Sampling Procedures and Tables for Inspection by Attributes.

DRAWINGS

U.S. ARMY MUNITIONS COMMAND

8836015 - Bandoleer, Apers, Mine, M7, Assembly.

FSC: 1345

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(Copies of specifications, standards and drawings required by suppliers in connection with specific procurement functions should be obtained from the procuring activity or as directed by the contracting officer).

3. REQUIREMENTS

3.1 Material. - Materials shall be in accordance with applicable drawings and specifications.

3.2 Assemblies. - The bandoleer assemblies shall comply with all requirements specified on Drawing (dwg.) 8836015 and with all requirements specified in applicable specifications.

3.3 Workmanship. - All parts shall be fabricated and finished in a thorough workmanlike manner.

3.3.1 Stitching. - Stitches shall be evenly spaced in regular lines. They shall be tight with thread endings securely fastened. Thread breaks and seam ends without cross-stitching shall be back stitched for not less than one inch.

3.3.2 Characteristics. - The assembly shall be uniform in color, appearance, and finish and free of defects affecting serviceability. All required markings shall be neat and sharply defined.

3.3.3 Foreign Material. - The assembly shall be free of dirt, grease, oil stains, and other contamination. The cleaning method used shall not be injurious to any part nor shall the parts be contaminated by the cleaning agent.

3.4 First Article Inspection. - This specification makes provisions for first article inspection. Requirements for the submission of first article samples by the contractor shall be as specified in the contract.

4. QUALITY ASSURANCE PROVISIONS

4.1 Responsibility for Inspection. - Unless otherwise specified in the contract or purchase order, the supplier is responsible for the performance of all inspection requirements as specified herein. Except as otherwise specified in the contract or order, the supplier may use his own or any other facilities suitable for the performance of the inspection requirements specified

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herein, unless disapproved by the Government. The Government reserves the right to perform any of the inspections set forth in the specification where such inspections are deemed necessary to assure supplies and services conform to prescribed requirements. Reference shall be made to MIL-STD-109 to define terms used herein. The provisions of MIL-A-2550 shall apply.

4.1.1 Submission of product. - At the time the completed lot of items deliverable under the contract is submitted to the Government for acceptance, the contractor shall supply the following information accompanied by a certificate which attests that the information provided is correct and applicable to the product being submitted:

- a. A statement that the lot complies with all of the quality assurance provisions specified in this specification.
- b. Drawing and specification number and date, together with an identification and date of changes thereto.
- c. A statement that all material purchased by the contractor meets requirements, when such material is controlled by Government or commercial specifications referenced in any of the contractual documents, and that certificates of conformance are on file and available for review.
- d. Number of items in the lot.
- e. Date submitted.

The certificate shall be signed by a responsible agent of the certifying organization. The initial certificate submitted shall be substantiated by evidence of the agent's authority to bind his principal. Substantiation of the agent's authority will not be required with subsequent certificates unless, during the course of the contract, this authority is vested in another agent of the certifying organization.

4.2 First Article Inspection

4.2.1 Submission. - Prior to the start of regular production, the contractor shall submit a first article sample (see 6.2 c) to a Government approved facility as designated by the contracting officer for evaluation in accordance with the provisions of 4.2.2 and 4.2.3. The first article sample shall consist of 15 consecutively produced assemblies which have been produced by the contractor or furnished by a supplier and which have been manufactured using the same production processes, procedures and equipment which will be used in fulfilling the contract. All parts and materials, including packaging and packing, shall be obtained from the same source of

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supply as will be used in regular production. Prior to the submission, the contractor shall inspect the sample to the degree necessary to assure that it conforms to the requirements of the contract and submit a record of this inspection with the sample, including certificates of conformance for materials. A sample containing known defects will not be submitted unless specifically authorized, by the contracting officer. A first article sample, or portion thereof, as directed by the contracting officer, shall also be submitted whenever there is a lapse in production for a period in excess of 90 days or whenever a change occurs in manufacturing process, material used, drawing or specification such as to significantly affect product uniformity as determined by the Government.

4.2.2. Inspections to be performed. - Assemblies and components will be subjected by the Government to any or all of the examinations in this specification and any or all requirements of the applicable drawings.

4.2.3 Rejection. - If any assembly fails to comply with the applicable requirements, the first article sample shall be rejected. In the event of rejection, the Government reserves the right to require the contractor to take corrective action and submit a new first article sample or portion thereof. Until a first article sample is accepted, the contractor is, in no way, authorized by the Government to initiate regular production unless otherwise directed by the contracting officer.

4.3 Inspection provisions

4.3.1 Lot formation. - The term "inspection lot" as used in this specification is defined as an essentially homogeneous collection of units of product from which a representative sample is drawn and inspected to determine conformance with applicable requirements. The sample selected shall represent only that quantity of units from which the sample was drawn and shall not be construed to represent any prior or subsequent quantities presented for inspection. Homogeneity shall be considered to exist provided the inspection lot has been produced by one manufacturer in one unchanged process using the same materials and methods in accordance with the same drawings, same drawing revisions, same specifications and same specification revisions and complies with the provisions for submission of product as specified in MIL-STD-105. Changes to the process, specifications, or drawings not affecting safety, performance, interchangeability, or storage, as determined by the Government, shall not

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be deemed to alter the homogeneity of an inspection lot. All material submitted for inspection in accordance with this specification shall comply with the homogeneity criteria specified herein regardless of the type of sampling procedure which is being applied to determine conformance with requirements. Lot numbering, as required, shall be in accordance with MIL-STD-1168.

4.3.2 Examination. - The examinations listed in the following subparagraphs shall be performed on inspection lots (see 4.3.1) of the components or assemblies designated in the applicable paragraph headings. Inspection for critical defects (and major defects, when so specified) shall be 100 percent. Sampling plans for major and minor defects shall be in accordance with MIL-STD-105 except that continuous sampling plans in accordance with MIL-STD-1235 may be used if approved by the Government. Instead of applying the AQL's designated herein to the groups of major and minor defects listed, the contractor may elect to apply AQL's to individual defects using an AQL of 0.40 percent for each major defect and an AQL of 0.65 percent for each minor defect. When this method is elected, it shall be applied to all of the major and minor defects listed in the applicable subparagraph of this section, except where 100 percent inspection is specified, and be documented as part of the contractor's inspection system. Equipment necessary for the performance of the inspections listed shall be in accordance with 4.3.4.

4.3.2.1 Bandoleer, Apers, Mine, M7, Assembly (see dwg. 8836015).

Categories	Defects	Method of Inspection (see 6.4)	Code No. (see 6.3)
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Critical: None defined

Major:	AQL 1.5 percent		
101.	Inside width and depth of larger pocket (functional)	Gage	01001
102.	Inside width and depth of smaller pocket (functional)	Gage	01002
103.	Flap does not snap or button properly (too loose or too tight)	Visual/ Manual	01003
104.	Fasteners do not mate properly (misalignment exceeds 1/4 inch) ..	Visual/ Manual	01004

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105.	Stitching defective (see 3.3.1)...	Visual	01005
106.	Stitching runs off edge	Visual	01006
107.	Seam separating for more than 1/4 inch	Visual	01007
108.	Raw edge exposed (not folded before stitching)	Visual	01008
109.	Instruction sheet missing or damaged	Visual	01009
110.	Instructions on sheet misleading or unidentifiable	Visual	01010
111.	Pocket separating	Visual	01011
112.	Button, socket, stud, or eyelet missing	Visual	01012
113.	Material cut near fastener	Visual	01013
114.	Hole, cut, or tear	Visual	01014
115.	Flap tie missing	Visual	01015
Minor: AQL 1.5 percent			
201.	Instruction sheet incorrectly folded	Visual	01016
202.	Evidence of poor workmanship (see 3.3)	Visual	01017
203.	Foreign material (see 3.3.3)	Visual	01018

4.3.2.2 Carton, sealed (see Section 5).

Categories	Defects	Method of Inspection	Code No.
Critical: None defined			
Major: AQL 0.40 percent			
101.	Assembly damaged so t... contents are exposed or liable to become exposed	Visual	02001
102.	Sealing strip incomplete, badly wrinkled or not in contact with surface for at least 1/2 inch around entire carton	Visual	02002
Minor: AQL 1.0 percent			
201.	Contents move when carton is shaken	Manual	02003
202.	Marking misleading or unidenti- fiable	Visual	02004

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4.3.3 Testing. - There are no applicable testing provisions.

4.3.4 Inspection Equipment. - The inspection equipment required to perform the examinations and tests prescribed in this section is identified under the "Method of Inspection" headings in 4.3.2 (see 6.3).

5. PREPARATION FOR DELIVERY

5.1 Packing and Marking. - Unless otherwise specified by the procuring activity, all packing and marking shall be in accordance with MIL-STD-1169.

6. NOTES

6.1 Intended use. - The Bandoleer, APERS, Mine, M7 is used to house the M18A1 mine and accessories.

6.2 Ordering data. - Procurement documents shall specify the following:

- a. Title, number and date of this specification.
- b. Data cards. - Data cards shall be prepared for each lot in accordance with the information specified in Standard MIL-STD-1167.
- c. Provisions for submission of first article samples.

6.3 Inspection code numbers. - The five digit code numbers assigned to the inspections herein are to facilitate future data collection and analysis by the Government. They should be cited as references on drawings of equipment designs submitted by the contractor to the Government for approval (see 6.4.3).

6.4 Inspection Equipment Designs. - Inspection equipment designs are of two types - Government Special Inspection Equipment (SIE) designs and contractor designs. SIE designs are designated by drawing numbers under the "Method of Inspection" headings in Section 4. Design responsibility for all other inspection equipment is assigned to the contractor. The contractor need not furnish any design when a complete Government SIE design is provided. Unless otherwise specified, however, the contractor may submit alternate or modified contractor designs of SIE in accordance with 6.4.2 and 6.4.3 should he elect to do so.

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6.4.1 SIE designs. - SIE designs may consist of any of the following:

a. Detailed drawings which completely depict all information necessary for the fabrication and use of the item of inspection equipment.

b. A source control drawing or a specification control drawing as defined in MIL-STD-100.

c. An envelope drawing, as defined in MIL-STD-100, which establishes the criteria which a detailed design shall meet. When envelope drawings are specified, the contractor shall prepare designs which comply with the criteria therein.

6.4.2 Contractor designs. - Contractor designs are required for all inspection equipment for which SIE designs are not specified and may include commercial equipment which the contractor proposes to use. (Commercial equipment is defined as unmodified equipment which is cataloged and available for purchase by the general public.) Contractor designs shall include appropriate operating instructions, calibration procedures and maintenance procedures. Commercial equipment shall be fully described by catalog listings or other means which provide sufficient information to permit identification and evaluation by the Government and may include illustrations and engineering data. Designs shall be prepared for any special fixture(s) required to be used with commercial equipment, or with SIE designs if not otherwise covered thereby (see 6.4.1c). Designs shall be of the category and form (per MIL-D-1000) specified in the Contract Data Requirements Lists (DD Form 1423). The contractor is referred to MIL-HDBK-204, "Inspection Equipment Design" for guidance. The specification number and the applicable five-digit defect code number (or other specific identifying information) from Section 4 of this specification shall be referenced on each contractor design together with the component or assembly drawing number and revision letter to which the specific design applies.

6.4.3 Submission of Designs for Approval. - Contractor designs shall be approved by the Government prior to fabricating or procuring the equipment. Designs shall be submitted for approval to Picatinny Arsenal, ATTN: SMUPA-QA-A-M, Dover, New Jersey 07801 in accordance with the stipulations, time frame and distribution specified

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in the Contract Data Requirements List (DD Form 1423) or in the contract. Partial submission of inspection equipment designs is permissible and encouraged. However, the completion date for design review will be based on the date of the final submission of designs. Picatinny Arsenal design review will normally be accomplished within one month after receipt.

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