

MIL-M-63221(AR)
AMENDMENT 3
30 APRIL 1984
SUPERSEDING
AMENDMENT 2
24 January 1983

MILITARY SPECIFICATION

MORTAR, 60MM: M224 (WITHOUT M64 SIGHT UNIT)

This amendment forms a part of Military Specification MIL-M-63221(AR), dated 8 February 1979, and is approved for use by the US Army Armament, Munitions and Chemical Command, Department of the Army, and is available for use by all Departments and Agencies of the Department of Defense.

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*Add paragraph "2.1.1 Other government document. The following other Government document forms a part of this specification to the extent specified herein.

United States Army

AR 385-11 Ionizing Radiation Protection (Licensing, Control, Transportation, Disposal, and Radiation Safety)" after words "SQAP-APPENDIX-WVA, etc.

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3.3.12, line 3: Delete "1/16" and substitute "1/12".

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*3.3.2.1.3(1). Delete entire paragraph and substitute "3.3.2.1.3(1) Tritium Contamination. There shall be no radiation contamination in excess of the limits specified in AR 385-11."

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3.5.1, line 7: Delete "tube (11579055)" and substitute "cannon barrel (11579093)".

line 8: Delete "14,700" and substitute "9100".

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*4.7.3.4.1. Delete entire paragraph and substitute "4.7.3.4.1 Tritium Contamination. The examinations and tests for radiation contamination shall be conducted in accordance with the applicable Army Regulations and Nuclear Regulatory Commission licensing regulations."

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4.8.1.2b., line 1: Insert after the word "baseplate", "submitted for proof firing".

4.8.1.2: Add "c". "Each M8 baseplate submitted for proof firing shall be tested by firing one M720 round, charge 2 at a barrel elevation of 1065 mils".

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TABLE I. Fourth column: Delete "1066" and substitute "1065".

4.8.2a, b and c: Delete and substitute:

a. The cannon barrel (11579093) with clamp (11579040) and clamp ring (11579039) assembled shall be hydrostatic pressure tested to 9100 ± 300 psi for the first 12 inches of the tube measured from the basecap end of the tube and the pressure shall be immediately released as soon as it is attained.

b. The cannon barrel with the clamp and clamp ring assembled, shall be hydrostatic pressure tested to 8200 ± 300 psi for the entire length of the tube and the pressure shall be immediately released as soon as it is attained.

c. After hydrostatic testing, physical measurement and inspection shall be performed in accordance with the following:

1. Bore diameter measurements and visual borescope inspection shall be performed on all barrels (tube with basecap attached).
2. Magnetic particle inspection shall be performed on:
 - (a) all barrels (tube with basecap attached) with clamp rings (11579039) and clamps (11579040) removed.
 - (b) all clamp rings (11579039).
 - (c) all clamps (11579040).

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6.1.1: Add "1". "Replacement parts should be provided to Aberdeen Proving Ground and Watervliet test facilities to support the replacement of parts required after testing".

6.2 When warranted, the contract should specify the application of MIL-Q-9858 or MIL-I-45208, as appropriate, on the Management Control Systems Summary List DD Form 1660.

6.3 Unless otherwise specified, the contract should specify the application of MIL-I-45607 and MIL-C-45662 on the Management Control Systems Summary List DD Form 1660.

The margins of this amendment are marked with an asterisk to indicate where changes (additions, modifications, corrections, deletions) from the previous amendment were made. This was done as a convenience only and the Government assumes no liability whatsoever for any inaccuracies in these notations. Bidders and contractors are cautioned to evaluate the requirements of this document based on the entire content irrespective of the marginal notations and relationship to the last previous amendment.

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