

MIL-M-10008F(AR)
AMENDMENT 1
13 JANUARY 1987

MILITARY SPECIFICATION

MORTAR, 81MM: M29A1

This amendment forms a part of Military Specification MIL-M-10008F(AR), dated 24 September 1984, and is approved for use within 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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3.3.3: Delete 3.3.3 in its entirety and substitute the following:

"3.3.3 Surface finish on cannon tube bore. The bore surface shall be free of material and processing defects such as cracks, seams, tears, flakes, gouges, scratches, corrosion or pits except as indicated in 3.3.3.1."

3.3.3.1: Insert the following for 3.3.3.1:

"3.3.3.1 The following conditions are acceptable. Any defects in excess of those listed, or not covered, must be reported for engineering disposition.

a. discoloration or staining as a result of the brazing operation.

b. Scratches with a depth of 0.0004 inch or less regardless of width.

c. Pits with depth of 0.001 inch or less and diameter (or major dimension) of 0.030 or less, provided that there are not more than twenty-five (25) such pits throughout the bore nor more than five (5) pits in any square inch area."

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3.5.3: Line 2, Insert "(proof firing or pressure simulation)" after "testing".

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4.3: Lines 3 and 4, Delete subparagraphs a. and b. and substitute the following:

"a. First Article inspection (see 4.4).

b. First Article - Initial Production Test, FA-IPT, (see 4.5).

c. Quality conformance inspection (see 4.6)."

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4.4 Change to "4.3.1".

4.5 Change to "4.4".

4.5.1 Change to "4.4.1".

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4.5 Insert the following before paragraph 4.6:

"4.5 First Article - Initial Production Test. Unless otherwise specified in the contract, First Article samples shall be subjected to Initial Production Testing by the Government or any agency specified by the Government and may be conducted at a Government facility to assure compliance with the requirements of this specification and any additional requirements listed in the contract. Initial Production Testing procedures and the sample size of the First Articles shall be as specified in the contract. First Article samples and parts thereof shall be representative of the production processes to be used during quantity production."

4.6, Line 1: Insert "inspections" between "conformance" and "shall".

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4.6.4: Add the following subparagraph:

"4.6.4.h. contractor-designed pressure test equipment shall require design and performance approval by the quality assurance element of the procuring activity."

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4.6.7.1.c: Delete 4.6.7.1.c in its entirety and substitute the following:

"4.6.7.1.c Bore surface condition. The bore of the cannon barrel shall be examined by means of a borescope equipped with an adapter and special eyepiece assembly in accordance with QAP 11578226 as listed in Master LQAP 8766507. Any barrel failing to meet the requirements of 3.3.3 shall be subject to rejection." (This paragraph shall also apply to 4.6.7.2, 4.7.1, 4.7.2, and 4.7.2.1)

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