

INCH-POUND

MIL-C-782B(AR)
 AMENDMENT 1
 1 July 1991

MILITARY SPECIFICATION

CORES , STEEL; FOR USE IN BALL TYPES OF SMALL ARMS AMMUNITION

This Amendment forms a part of Military Specification MIL-C-782B(MU), dated 20 March 1969, and is approved for use by the U.S. Army Armament, Munitions and Chemical Command, and is available for use by all Departments and Agencies of the Department of Defense.

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1.2, Add: "Type III - Core" for Cartridge, 5.56mm, Ball, M855"

2.1, Delete the first sentence and substitute the following:

"2.1 Government documents.

2.1.1 Specifications, standards, and handbooks. The following specifications, standards, and handbooks form a part of this document to the extent specified herein Unless otherwise specified, the issues of these documents are those listed in the issue of the Department of Defence Index of Specifications and Standards (DODISS) and supplement thereto, cited in the solicitation."

2.1.1, Under SPECIFICATIONS, add:

"FEDERAL

FED-STD-751

Metals; Test Methods"

2.1.1, Under STANDARDS, add:

"MILITARY

MIL-STD-6866

Inspection, Liquid Penetrant"

2.1.1, Under ~~DRAWINGS, Munition Command, add:~~

"C9342870

Core, 5.56mm, Ball, M855"

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Add new paragraph 3.2.3 as follows:

"3.2.3 Hardness. The finished core shall have a Rockwell "C" scale hardness number within the limits specified on the core drawing. Applicable to the 5.56mm, Ball, M855 core only."

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4.3.2.1, In Table I, make the following changes:

Major 104: Change "Gage 2/" to "Gage 3/"
Major 105: Change "Gage" to "Gage 4/"
Major 106: Change "Gage" to "Gage 4/"
Major 108: Change "Teat" to "Teats"
Major 109: Change "Mutilated" to "Mutilated"
Major 110: Change "Visual 3/" to "Visual 5/"

Add the following major defect:

"112. Hardness Gage 2/"

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4.3.2.1, Table I, Under Minor 203: After break add: "or radius"

Add the following minor defects

"208. Workmanship Visual"

Make the following changes under notes:

Note 2/" Change "Caliber .50" to "5.56mm"

Note 3/, Delete in its entirety and substitute:

"3/ Applicable to Caliber .50 cores only"

Add the following notes to Table I as follows:

"4/ This defect does not apply to 5.56mm cores.

5/ Defined as crack deeper than .010 for caliber .50 and .008 for 5.56mm and 7.62mm cores. Cores having cracks with depth equal to or less than that noted shall be classed as minor defective. Section, polish and examine under magnification. Inspection shall be in accordance with MIL-STD-6866."

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Add new paragraphs 4.4. and 4.4.1 as follows:

"4.4 Test Method and Procedure"

4.4.1 Hardness. Each core of the test sample shall be tested in an area which is solidly supported in order to obtain valid readings. The hardness shall be determined by averaging three readings taken on each core 120 degrees apart. The cores subjected to the hardness shall be scrapped."

5.2.1 Delete the second sentence and substitute:

"NO more than 50,000 5.56mm, 10,000 7.62mm or 2,500 caliber .50 cores shall be packed in any single container."

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6.1.4, Change: "Cups" to "Cores"

6.2.1, Delete in its entirety and substitute:

"6.2.1 Visual defects. Defects for 5.56mm M855 and 7.62mm M59 cores covered by this specification are not shown specifically in ORD-SIP-S302, Visual Inspection Standards for Cores Used in Small Arms Ammunition manufacture. The illustrations at the bottom of Page 7 of that SIP are applicable only to a predecessor design of the 7.62mm M59 core. Applicable visual defect standards of the Caliber .30 AP and API core sections of the SIP should be used in connection with visual inspection of the 5.56mm M855 and 7.62mm M59 cores where applicable."

Custodian:
Army-AR

Preparing activity:
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