



Standard Specification for Cartridge Brass Sheet, Strip, Plate, Bar, and Disks¹

This standard is issued under the fixed designation B 19; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval. A superscript epsilon (ε) indicates an editorial change since the last revision or reapproval.

This standard has been approved for use by agencies of the Department of Defense.

1. Scope *

1.1 This specification establishes the requirements for sheet, strip, plate, bar, and disks for the manufacture of ammunition of component parts thereof from alloy UNS C26000.

1.2 Values given in inch-pound units are the standard except for grain size which is stated in metric units. SI values given in parenthesis are for information only.

1.3 The following safety caveat pertains only to the test method described in Section 10 of this specification. *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

B 154 Test Method for Mercurous Nitrate Test for Copper and Copper Alloys²

B 248 Specification for General Requirements for Wrought Copper and Copper-Alloy Plate, Sheet, Strip, and Rolled Bar²

B 601 Practice for Temper Designations for Copper and Copper Alloys—Wrought and Cast²

B 846 Terminology for Copper and Copper Alloys²

B 858 Test Method for Determination of Susceptibility to Stress Corrosion Cracking in Copper Alloys Using an Ammonia Vapor Test²

E 3 Practice for Preparation of Metallographic Specimens³

E 8 Test Methods for Tension Testing of Metallic Materials³

E 29 Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications⁴

E 112 Test Methods for Determining Average Grain Size³

E 255 Practice for Sampling Copper and Copper Alloys for

Determination of Chemical Composition⁵

E 478 Test Methods for Chemical Analysis of Copper Alloys⁵

E 527 Practice for Numbering Metals and Alloys (UNS)⁶

2.2 Federal Standards:⁷

Fed. Std. No. 123 Marking for Shipment (Civil Agencies)

Fed. Std. No. 185 Identification Marking of Copper and Copper-Base Alloy Mill Products

2.3 Military Standards:⁷

MIL-STD-105 Sampling Procedures and Tables for Inspection by Attributes

MIL-STD-129 Marking for Shipment and Storage

MIL-C-3993 Packaging of Copper and Copper-Base Alloy Mill Products

3. Terminology

3.1 *Definitions*—For standard terms related to copper and copper alloys, refer to Terminology B 846.

4. Ordering Information

4.1 Orders for products should include the following information:

4.1.1 ASTM designation and year of issue (for example, B19-XX),

4.1.2 Product form: sheet, strip, plate, bar, or disks (blanks),

4.1.3 Temper (Section 7),

4.1.4 Dimension: thickness, width, length,

4.1.5 How furnished: flat lengths, coils, or blanks,

4.1.6 Quantity: total weight each temper, form, and size, and

4.1.7 When severe drawing or deep cupping is required.

4.2 The following options are available and should be specified in the contract or purchase order when required:

4.2.1 Heat identification or traceability details,

4.2.2 Caliber or diameter of Type IV cups or disks (Section 11),

4.2.3 Mercurous Nitrate Test (Section 10),

4.2.4 Product Marking (Section 22),

4.2.5 On-site inspection (Section 13),

4.2.6 Certification (Section 20), and

¹ This specification is under the jurisdiction of ASTM Committee B05 on Copper and Copper Alloys and is the direct responsibility of Subcommittee B05.01 on Plate, Sheet, and Strip.

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² Annual Book of ASTM Standards, Vol 02.01.

³ Annual Book of ASTM Standards, Vol 03.01.

⁴ Annual Book of ASTM Standards, Vol 14.02.

⁵ Annual Book of ASTM Standards, Vol 03.05.

⁶ Annual Book of ASTM Standards, Vol 01.01.

⁷ Available from Standardization Documents Order Desk, Bldg. 4 Section D, 700 Robbins Ave., Philadelphia, PA 19111-5094, Attn: NPODS.