



Standard Specification for Brass Plate, Sheet, Strip, And Rolled Bar¹

This standard is issued under the fixed designation B36/B36M; 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 brass plate, sheet, strip, and rolled bar of the following alloys:²

Copper Alloy UNS No.	Previous Trade Name	Nominal Composition	
		Copper, %	Zinc, %
C21000	Gilding, 95 %	95	5
C22000	Commercial Bronze, 90 %	90	10
C22600	Jewelry Bronze, 87½ %	87.5	12.5
C23000	Red Brass, 85 %	85	15
C24000	Low Brass, 80 %	80	20
C26000	Cartridge Brass, 70 %	70	30
C26800	Yellow Brass, 66 %	66	34
C27200	...	63	37
C28000	Muntz Metal, 60 %	60	40

1.2 *Units*—The values stated in either SI units or inch-pound units are to be regarded separately as standard. The values stated in each system may not be exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in non-conformance with the standard.

2. Referenced Documents

2.1 ASTM Standards:³

B248 Specification for General Requirements for Wrought Copper and Copper-Alloy Plate, Sheet, Strip, and Rolled Bar

B248M Specification for General Requirements for Wrought Copper and Copper-Alloy Plate, Sheet, Strip, and Rolled Bar (Metric)

B601 Classification for Temper Designations for Copper and Copper Alloys—Wrought and Cast

B846 Terminology for Copper and Copper Alloys

E8/E8M Test Methods for Tension Testing of Metallic Materials

E112 Test Methods for Determining Average Grain Size

E478 Test Methods for Chemical Analysis of Copper Alloys

3. General Requirements

3.1 The following sections of Specification **B248** or **B248M** constitute a part of this specification:

- 3.1.1 Terminology
- 3.1.2 Materials and Manufacture
- 3.1.3 Dimensions, Mass, and permissible Variations
- 3.1.4 Workmanship, Finish, and Appearance
- 3.1.5 Sampling
- 3.1.6 Number of tests and Retests
- 3.1.7 Specimen Preparation
- 3.1.8 Test Methods
- 3.1.9 Significance of Numerical Limits
- 3.1.10 Inspection
- 3.1.11 Rejection and Rehearing
- 3.1.12 Certification
- 3.1.13 Test Reports
- 3.1.14 Packaging and Package Marking

3.2 In addition, when a section with a title identical to that referenced in **3.1**, appears in this specification, it contains additional requirements which supplement those appearing in Specification **B248** or **B248M**.

4. Terminology

4.1 For definitions of terms related to copper and copper alloys, refer to Terminology **B846**.

5. Ordering Information

5.1 Include the following specified choices when placing orders for product under this specification, as applicable:

- 5.1.1 ASTM designation and year of issue,
- 5.1.2 Copper alloy UNS No. designation,
- 5.1.3 Temper (Section 7),
- 5.1.4 Dimensions: thickness, width, and edges,
- 5.1.5 How furnished: straight lengths or coils,
- 5.1.6 Quantity: total weight or total length or number of pieces of each size, and
- 5.1.7 Intended application.

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 SAE Specifications CA210, CA220, CA230, CA240, CA260, CA268, and CA272 conform to the requirements for Copper Alloy UNS Nos. C21000, C22000, C23000, C24000, C26000, C26800, and C27200, respectively.

³ For referenced ASTM standards, visit the ASTM website, www.astm.org, or contact ASTM Customer Service at service@astm.org. For *Annual Book of ASTM Standards* volume information, refer to the standard's Document Summary page on the ASTM website.