



Designation: B 248 – 01^{ε1}

Standard Specification for General Requirements for Wrought Copper and Copper- Alloy Plate, Sheet, Strip, and Rolled Bar¹

This standard is issued under the fixed designation B 248; 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.

^{ε1} NOTE—Referenced Documents were editorially corrected in November 2003.

1. Scope*

1.1 This specification covers a group of general requirements common to several wrought product specifications. Unless otherwise specified in the purchase order or in an individual specification, these general requirements shall apply to copper and copper-alloy plate, sheet, strip, and rolled bar supplied under each of the following product specifications issued by ASTM: B 36/B 36M, B 96/B 96M, B 103/B 103M, B 121/B 121M, B 122/B 122M, B 152/B 152M, B 169/B 169M, B 194, B 291, B 422, B 465, B 534, B 591, B 592, B 694, B 740, B 747, and B 768.²

NOTE 1—A complete metric companion to Specification B 248 has been developed—B 248M; therefore no metric equivalents are presented in this specification.

2. Referenced Documents

2.1 The following documents of the issue in effect on date of material purchase form a part of this specification to the extent referenced herein:

2.2 ASTM Standards:

- B 36/B 36M Specification for Brass Plate, Sheet, Strip, and Rolled Bar³
- B 96/B 96M Specification for Copper-Silicon Alloy Plate, Sheet, Strip, and Rolled Bar for General Purposes and Pressure Vessels³
- B 103/B 103M Specification for Phosphor Bronze Plate, Sheet, Strip, and Rolled Bar³
- B 121/B 121M Specification for Lead Brass Plate, Sheet, Strip, and Rolled Bar³
- B 122/B 122M Specification for Copper-Nickel-Tin Alloy,

- Copper-Nickel-Zinc Alloy (Nickel Silver), and Copper-Nickel Alloy Plate, Sheet, Strip, and Rolled Bar³
- B 152/B 152M Specification for Copper Sheet, Strip, Plate, and Rolled Bar³
- B 169/B 169M Specification for Aluminum Bronze Sheet, Strip, and Rolled Bar³
- B 193 Test Method for Resistivity of Electrical Conductor Materials⁴
- B 194 Specification for Copper-Beryllium Alloy Plate, Sheet, Strip, and Rolled Bar³
- B 291 Specification for Copper-Zinc-Manganese Alloy (Manganese Brass) Sheet and Strip⁵
- B 422 Specification for Copper-Aluminum-Silicon-Cobalt Alloy, Copper-Nickel-Silicon-Magnesium Alloy, Copper-Nickel-Silicon Alloy, Copper-Nickel-Aluminum-Magnesium Alloy, and Copper-Nickel-Tin Alloy Sheet and Strip³
- B 465 Specification for Copper-Iron Alloy Plate, Sheet, Strip, and Rolled Bar³
- B 534 Specification for Copper-Cobalt-Beryllium Alloy and Copper-Nickel-Beryllium Alloy Plate, Sheet, Strip, and Rolled Bar³
- B 591 Specification for Copper-Zinc-Tin and Copper-Zinc-Tin-Iron-Nickel Alloys Plate, Sheet, Strip, and Rolled Bar³
- B 592 Specification for Copper-Zinc-Aluminum-Cobalt Alloy, Copper-Zinc-Tin-Iron Alloy Plate, Sheet, Strip, and Rolled Bar³
- B 694 Specification for Copper, Copper-Alloy, and Copper-Clad Stainless Steel (CCS) and Copper-Clad Alloy Steel (CAS) Sheet and Strip for Electrical Cable Shielding³
- B 740 Specification for Copper-Nickel-Tin Spinodal Alloy Strip³
- B 747 Specification for Copper-Zirconium Alloy Sheet and Strip³
- B 768 Specification for Copper-Cobalt-Beryllium Alloy and Copper-Nickel-Beryllium Alloy Strip and Sheet³

¹ This specification is under the jurisdiction of the 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 The UNS system for copper and copper alloys (see Practice E 527) is a simple expansion of the former standard designation system accomplished by the addition of a prefix “C” and a suffix “00”. The suffix can be used to accommodate composition variations of the base alloy.

³ Annual Book of ASTM Standards, Vol 02.01.

⁴ Annual Book of ASTM Standards, Vol 02.03.

⁵ Discontinued. See 1992 Annual Book of ASTM Standards, Vol 03.05.

*A Summary of Changes section appears at the end of this standard.

