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Designation: B121/B121M - 11 B121/B121M - 16

# Standard Specification for Leaded Brass Plate, Sheet, Strip, and Rolled Bar<sup>1</sup>

This standard is issued under the fixed designation B121/B121M; 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 ( $\varepsilon$ ) indicates an editorial change since the last revision or reapproval.

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

#### 1. Scope\*

1.1 This specification establishes the requirements for copper-zinc-lead alloys (leaded brass) leaded brass plate, sheet, strip, and rolled bar. The following alloys are covered:

Copper Alloy		Nominal Composition, %			
	Previously Used				
UNS No. <sup>2</sup>	Designation	Copper	Zinc	Lead	Iron
<del>C33500</del>	2	<del>65.0</del>	<del>34.5</del>	<del>0.5</del>	<del></del>
C33500	2	63.5	36.0	0.5	
<del>C34000</del>	3	65.0	34.0	<del>1.0</del>	
C34000	3	63.5	35.5	1.0	
<del>C34200</del>	5	65.0	33.0	2.0	
C34200	5	63.5	34.5	2.0	
C35000	-	61.5	37.4	1.1	
<del>C35300</del>	4	<del>61.2</del>	<del>37.0</del>	<del>1.8</del>	<del></del>
C35300	4	61.5	36.7	1.8	
<del>C35600</del>	ē	<del>61.2</del>	36.3	2.5	
C35600	6	61.5	36.0	2.5	

1.2 <u>Units—The values Values</u> stated in either inch-pound units or SI units are to be regarded separately as standard. Within the text, the SI units are shown in brackets. The values stated in each system are may not be exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in nonconformancenon-conformance with the specification standard.

### 2. Referenced Documents

2.1 The following documents in the current issue of Book of Standards form a part of this specification to the extent referenced herein: /catalog/standards/astm/e7c51fa2-28d7-48bf-b317-5b25184dbee9/astm-b121-b121m-16

2.1 ASTM Standards:<sup>3</sup>

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

E8E8/E8M Test Methods for Tension Testing of Metallic Materials

E8ME112 Test Methods for Tension Testing of Metallic Materials [Metric]Determining Average Grain Size (Withdrawn 2008) E76E255 Test Methods for Chemical Analysis of Nickel-Copper AlloysPractice for Sampling Copper and Copper Alloys for the Determination of Chemical Composition (Withdrawn 2003)

E478 Test Methods for Chemical Analysis of Copper Alloys

E527 Practice for Numbering Metals and Alloys in the Unified Numbering System (UNS)

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

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<sup>&</sup>lt;sup>1</sup> 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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<sup>&</sup>lt;sup>2</sup> The UNS system for copper and copper alloys (see Practice E527) is a simple expansion of the former standard designation system accomplished by the addition of a prefix "C" and suffix "00." The suffix can be used to accommodate composition variations of the base alloy

<sup>&</sup>lt;sup>3</sup> 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.

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### 3. General Requirements

- 3.1 The following sections of SpecificationSpecifications B248 or B248M constitute a part of this specification:
- 3.1.1 Terminology—Definitions, Terminology
- 3.1.2 Materials and Manufacture, Manufacture
- 3.1.3 Workmanship, Finish, and Appearance, Appearance
- 3.1.4 Sampling-except for chemical analysis, analysis
- 3.1.5 Number of Tests and Retests, Retests
- 3.1.6 Specimen Preparation, Preparation
- 3.1.7 Test Methods-except for chemical analysis, analysis
- 3.1.8 Significance of Numerical Limits, Limits
- 3.1.9 Inspection, Inspection
- 3.1.10 Rejection and Rehearing, Rehearing
- 3.1.11 Certification, Certification
- 3.1.12 Test Reports-(Mill),
- 3.1.13 Packaging and Package Marking, and Marking
- 3.1.14 Supplementary Requirements. Requirements

3.2 In addition, when a section with a title identical to that referenced in 3.14.1, above, appears in this specification, it contains additional requirements, requirements which supplement those appearing in Specification Specifications B248 or B248M.

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