



Standard Specification for Aluminum Bars for Electrical Purposes (Bus Bars)¹

This standard is issued under the fixed designation B236; 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 U.S. Department of Defense.

1. Scope*

1.1 This specification covers Aluminum 1350 bar for electric conductors in the tempers shown in [Table 1](#).

1.2 Aluminum and temper designations are in accordance with ANSI H35.1/H35.1(M). The equivalent Unified Numbering System designation is A91350 in accordance with Practice [E527](#).

NOTE 1—For Alloy 6101 bus conductors, refer to Specification [B317/B317M](#).

NOTE 2—Prior to 1975, Aluminum 1350 was designated as EC aluminum.

1.3 A complete metric companion to Specification B236 has been developed—B236M; therefore, no metric equivalents appear in this specification.

1.4 For acceptance criteria for inclusion of new aluminum and aluminum alloys in this specification, see [Annex A2](#).

2. Referenced Documents

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

2.2 *ASTM Standards*:²

[B193](#) Test Method for Resistivity of Electrical Conductor Materials

[B317/B317M](#) Specification for Aluminum-Alloy Extruded Bar, Rod, Tube, Pipe, Structural Profiles, and Profiles for Electrical Purposes (Bus Conductor)

[B557](#) Test Methods for Tension Testing Wrought and Cast Aluminum- and Magnesium-Alloy Products

[B660](#) Practices for Packaging/Packing of Aluminum and Magnesium Products

[B666/B666M](#) Practice for Identification Marking of Aluminum and Magnesium Products

[B881](#) Terminology Relating to Aluminum- and Magnesium-Alloy Products

[E29](#) Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications

[E34](#) Test Methods for Chemical Analysis of Aluminum and Aluminum-Base Alloys

[E55](#) Practice for Sampling Wrought Nonferrous Metals and Alloys for Determination of Chemical Composition

[E290](#) Test Methods for Bend Testing of Material for Ductility

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

[E607](#) Test Method for Atomic Emission Spectrometric Analysis Aluminum Alloys by the Point to Plane Technique Nitrogen Atmosphere (Withdrawn 2011)³

[E716](#) Practices for Sampling and Sample Preparation of Aluminum and Aluminum Alloys for Determination of Chemical Composition by Spectrochemical Analysis

[E1004](#) Test Method for Determining Electrical Conductivity Using the Electromagnetic (Eddy-Current) Method

[E1251](#) Test Method for Analysis of Aluminum and Aluminum Alloys by Spark Atomic Emission Spectrometry

2.3 *ANSI Standards*:

[H35.1/H35.1\(M\)](#) Alloy and Temper Designation Systems for Aluminum

[H35.2](#) Dimensional Tolerances for Aluminum Mill Products

2.4 *Military Standard*: Available from Standardization Documents Order Desk, DODSSP, Bldg. 4, Section D, 700 Robbins Ave., Philadelphia, PA 19111-5098, <http://www.dodssp.daps.mil>.

[MIL-STD-129](#) Marking for Shipment and Storage

2.5 *Federal Standard*:

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

3. Terminology

3.1 *Definitions*: Refer to Terminology [B881](#) for definitions of product terms used in this specification.

¹ This specification is under the jurisdiction of ASTM Committee [B07](#) on Light Metals and Alloys and is the direct responsibility of Subcommittee [B07.03](#) on Aluminum Alloy Wrought Products.

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² 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.

³ The last approved version of this historical standard is referenced on www.astm.org.