



Standard Specification for Aluminum-Alloy Rolled Tread Plate¹

This standard is issued under the fixed designation B632/B632M; 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-alloy rolled flat tread plate, mill-finish, with a raised pattern on one side, in the alloy, tempers, and thicknesses shown in [Table 1](#) and [Table 2](#) [[Table 3](#)].

1.2 Alloy and temper designation are in accordance with ANSI H35.1/H35.1M. The equivalent Unified Numbering System alloy designation are those of [Table 1](#) preceded by A9, which is A96061 for alloy 6061 and A93003 for Alloy 3003 in accordance with Practice [E527](#).

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

1.4 The values stated in either inch-pound or SI units are to be regarded separately as standard. The SI units are shown either in brackets or in separate tables. The values stated in each system are not exact equivalents; therefore, each system must be used independently of the other. Combining values from the two systems will result in nonconformance with the specification.

2. Referenced Documents

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

2.2 ASTM Standards:²

- [B557](#) Test Methods for Tension Testing Wrought and Cast Aluminum- and Magnesium-Alloy Products
- [B557M](#) Test Methods for Tension Testing Wrought and Cast Aluminum- and Magnesium-Alloy Products (Metric)
- [B660](#) Practices for Packaging/Packing of Aluminum and Magnesium Products

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.

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

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

[B985](#) Practice for Sampling Aluminum Ingots, Billets, Castings and Finished or Semi-Finished Wrought Aluminum Products for Compositional Analysis

[B918](#) Practice for Heat Treatment of Wrought Aluminum Alloys

[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

[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

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

2.3 ANSI Standards:⁴

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

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

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

2.4 Other Standards

[CEN EN 14242](#) Aluminum and Aluminum Alloys. Chemical Analysis. Inductively Coupled Plasma Optical Emission Spectral Analysis⁵

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

⁴ Available from Aluminum Association, Inc., 1400 Crystal Drive, Suite 430 Arlington, VA 22202 (<http://www.aluminum.org>).

⁵ Available from European Committee for Standardization, Central Secretariat (CEN), Rue de Stassart 36, B1050 Brussels, Belgium (<http://www.cen.eu/esearch>).