



Standard Practice for Identification Marking of Aluminum and Magnesium Products¹

This standard is issued under the fixed designation B666/B666M; 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 practice establishes the physical item marking requirements for identification purposes for aluminum and magnesium products. Package marking for shipment and inspection acceptance is not within the scope of this standard.

1.2 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.

1.3 *This standard does not purport to address all of the safety concerns, if any, associated with its use. It is the responsibility of the user of this standard to establish appropriate safety and health practices and determine the applicability of regulatory limitations prior to use.*

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

B361 Specification for Factory-Made Wrought Aluminum and Aluminum-Alloy Welding Fittings

B404/B404M Specification for Aluminum and Aluminum-Alloy Seamless Condenser and Heat-Exchanger Tubes with Integral Fins (Withdrawn 2006)³

B547/B547M Specification for Aluminum and Aluminum-Alloy Formed and Arc-Welded Round Tube

¹ This practice 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.

Current edition approved Oct. 1, 2015. Published October 2015. Originally approved in 1980. Last previous edition approved in 2008 as B666/B666M – 08. DOI: 10.1520/B0666_B0666M-15.

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.

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2.3 *ANSI Standards:*

H35.1/H35.1(M) Alloy and Temper Designation Systems for Aluminum⁴

2.4 *Military Standards:*

MIL-STD-409 Alloy Nomenclature and Temper Designation System for Magnesium Base Alloys⁵

3. Terminology

3.1 *Definitions*—Refer to Terminology **B881** for definitions of product terms used in this specification.

3.2 *Definitions of Terms Specific to This Standard:*

3.2.1 *Marking:*

3.2.2 *spot marking*—marking the identification only once on the product.

3.2.3 *continuous marking*—recurring marking of the identification in intervals not greater than 40 in. [1000 mm] throughout the length of the product.

3.2.4 *perimeter marking*—marking continuously the identification in one or two rows adjacent to the four edges of the product.

3.2.5 *tagging*—attaching tags bearing the required identification markings to coils, bundles, or containers of items which are too small to mark or whose configuration preclude marking otherwise.

4. Basic Marking Requirements and Application

4.1 When this practice is required by the material specification or specified in the contract or purchase order, wrought aluminum and magnesium mill products shall be marked for identification purposes only with the following information on the product or on tags attached to the product:

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

⁵ Available from Standardization Documents Order Desk, DODSSP, Bldg. 4, Section D, 700 Robbins Ave., Philadelphia, PA 19111-5098 (<http://www.dodssp.daps.mil>).

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