



Designation: B908 – 22

Standard Practice for the Use of Color Codes for Zinc Casting Alloy Ingot¹

This standard is issued under the fixed designation B908; 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.

1. Scope*

1.1 This standard is published with the following objectives:

1.2 To establish standard color codes for the Zinc Die Casting and Foundry industry, and

1.3 To standardize the use and application of these color codes.

1.4 *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 become familiar with all hazards including those identified in the appropriate Safety Data Sheet (SDS) for this product/material as provided by the manufacturer, to establish appropriate safety, health, and environmental practices, and determine the applicability of regulatory limitations prior to use.*

1.5 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

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

B240 Specification for Zinc and Zinc-Aluminum (ZA) Alloys in Ingot Form for Foundry and Die Castings

B275 Practice for Codification of Certain Zinc, Tin and Lead Die Castings (Withdrawn 2020)³

B327 Specification for Master Alloys Used in Making Zinc Die Casting Alloys

¹ This practice is under the jurisdiction of ASTM Committee B02 on Nonferrous Metals and Alloys and is the direct responsibility of Subcommittee B02.04 on Zinc and Cadmium.

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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.

B792 Specification for Zinc Alloys in Ingot Form for Slush Casting

B793 Specification for Zinc Casting Alloy Ingot for Sheet Metal Forming Dies and Plastic Injection Molds

B899 Terminology Relating to Non-ferrous Metals and Alloys

B952 Specification for Zinc Alloys in Ingot Form for Spin Casting

B989 Specification for High Fluidity (HF) Zinc-Aluminum Alloy in Ingot Form for Thin Wall Die Castings

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

2.3 *ISO Standard:*⁴

ISO 301 Zinc alloy ingots intended for casting, 1981-05-15

2.4 *CEN Standard:*⁵

EN 1774 Zinc and zinc alloys—Alloys for foundry purposes—Ingot and liquid, September 1997

3. Terminology

3.1 Terms shall be defined in accordance with Terminology **B899**.

4. Significance and Use

4.1 The purpose of these color codes is to allow for quick identification of ingot bundles or jumbo ingots of zinc casting alloys. Other than jumbo ingots, this standard is not intended to imply that each ingot will be color coded but only that each ingot bundle be color coded.

4.2 Each ingot bundle or jumbo ingot shall be identified with the appropriate color code listed in **Table 1**.

4.3 The color will be applied as a stripe, or stripes, near the corners on opposite ends of two adjacent sides of the ingot bundle or jumbo ingot. The color stripes will be applied to include the ingot bundle foot.

4.4 When using multiple stripes, the colored stripes will be applied from left to right as indicated in **Table 1**.

4.5 In the absence of a written agreement to the contrary between the supplier and end user, the North American color

⁴ “English Version” available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, <http://www.ansi.org>.

⁵ “English Version” available from Global Engineering Documents, 15 Inverness Way, East Englewood, CO 80112-5704, <http://global.ihs.com>.

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