



Standard Specification for Configuration of Zinc and Zinc Alloy Jumbo, Block, Half Block, and Slab Ingot¹

This standard is issued under the fixed designation B897; 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 specification covers zinc and zinc alloy jumbo, block, half block, and slab ingot meeting dimensional requirements.

1.2 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered 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 become familiar with all hazards including those identified in the appropriate Material Safety Data Sheet (MSDS) for this product/material as provided by the manufacturer; to establish appropriate safety and health practices, and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 The following standards 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

B6 Specification for Zinc

B852 Specification for Continuous Galvanizing Grade (CGG) Zinc Alloys for Hot-Dip Galvanizing of Sheet Steel

B899 Terminology Relating to Non-ferrous Metals and Alloys

B949 Specification for General Requirements for Zinc and Zinc Alloy Products

E29 Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications

¹ This specification 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. Terminology

3.1 Terms shall be defined in accordance with Terminology B899.

3.2 *Definitions of Terms Specific to This Standard:*

3.2.1 *jumbo ingot, n*—large casting of zinc or zinc alloy, having through holes for chains, designed for handling by mechanical equipment, with a nominal weight of 2400 pounds, which is also referred to as a jumbo or strip jumbo.

3.2.2 *block ingot, n*—large casting of zinc or zinc alloy, having lift pockets, designed for handling by mechanical equipment, with a nominal weight of 2400 pounds, which is also referred to as a block.

3.2.3 *half block ingot, n*—large casting of zinc or zinc alloy, having lift pockets, designed for handling by mechanical equipment, with a nominal weight of 1200 pounds, which is also referred to as half block.

3.2.4 *slab ingot, n*—smaller casting of zinc or zinc alloy designed for manual handling, but often handled by mechanical equipment, with a nominal weight of 55 pounds, which is also referred to as slab.

3.2.5 *slab bundle, n*—arrangement of typically 40 slab ingots strapped with metal or other binding, with nominal weight of 2200 pounds, which is also referred to as bundle. The bundle may be stacked on a wood or other skid.

4. Ordering Information

4.1 Orders for jumbo, block, half block, or slab ingots under this specification shall include the following information in addition to the appropriate information specified in Specification B949, Section 4:

4.1.1 Type of ingot (Jumbo, Type 1 Block, Type 2 Block, Half Block Type 1, Half Block Type 2, or Slab).

4.1.2 Order may stipulate dimensions, or tolerances, or both, not meeting this specification only upon mutual written agreement between purchaser and producer.

5. Materials and Manufacture

5.1 The producer shall use care to have each lot of zinc metal or zinc alloy jumbo, block, half block, or slab ingots be of as uniform quality as possible.

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