



Designation: A550 – 06(Reapproved 2010)

Standard Specification for Ferrocolumbium¹

This standard is issued under the fixed designation A550; 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 three grades of ferrocolumbium, designated Low-Alloy Steel Grade, Alloy and Stainless Steel Grade, and High-Purity Grade.

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.

2. Referenced Documents

2.1 *ASTM Standards*:²

[A1025 Specification for Ferrous Alloys and Other Alloying Materials, General Requirements](#)

[E11 Specification for Woven Wire Test Sieve Cloth and Test Sieves](#)

¹ This specification is under the jurisdiction of ASTM Committee A01 on Steel, Stainless Steel and Related Alloys and is the direct responsibility of Subcommittee A01.18 on Castings.

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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. General Conditions for Delivery

3.1 Materials furnished to this specification shall conform to the requirements of Specification [A1025](#), including any supplementary requirements that are indicated in the purchase order. Failure to comply with the general requirements of Specification [A1025](#) constitutes nonconformance with this specification. In case of conflict between the requirements of this specification and Specification [A1025](#), this specification shall prevail.

4. Chemical Composition

4.1 The material shall conform to the requirements as to chemical composition specified in [Tables 1 and 2](#). The manufacturer shall furnish an analysis of each shipment showing the percentage of each element specified in [Table 1](#).

4.2 For elements specified in [Table 2](#) an analysis of each lot is not required. Upon request of the purchaser, the manufacturer shall supply the results of an analysis for the elements specified in [Table 2](#) on a cumulative basis over a period mutually agreed upon by the manufacturer and the purchaser.

5. Sizing

5.1 Ferrocolumbium is available in sizes and to tolerances shown in [Table 3](#).

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

6. Keywords

6.1 columbium; ferrocolumbium; tantalum

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