



Designation: A 550 – 06

Standard Specification for Ferrocolumbium¹

This standard is issued under the fixed designation A 550; 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 the standard.

2. Referenced Documents

2.1 *ASTM Standards:*²

A 1025 Specification for Ferrous Alloys and Other Alloying Materials, General Requirements

E 11 Specification for Wire Cloth and Sieves for Testing Purposes

3. General Conditions for Delivery

3.1 Materials furnished to this specification shall conform to the requirements of Specification A 1025, including any supplementary requirements that are indicated in the purchase order. Failure to comply with the general requirements of Specification A 1025 constitutes nonconformance with this specification. In case of conflict between the requirements of this specification and Specification A 1025, 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.

<https://standards.iteh.ai/catalog/standards/sist/1c719934-8c5c-4d8d-8983-665719540d18/astm-a550-06>

6. Keywords

6.1 columbium; ferrocolumbium; tantalum

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 A 01.18 on Castings.

Current edition approved July 1, 2006. Published July 2006. Originally approved in 1965. Last previous edition approved in 2000 as A 550 – 78 (2000).

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.

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