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Standard Specification for Ferrotitanium¹

This standard is issued under the fixed designation A324; 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 four grades of ferrotitanium, designated A, B, C, and D.

2. Referenced Documents

2.1 *ASTM Standards:*²

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

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.

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.

In case of conflict between the requirements of this specification and Specification [A1025](#), this specification shall prevail.

4. Chemical Requirements

4.1 The chemical requirements are shown in [Tables 1 and 2](#).

5. Size

5.1 The various grades are available in sizes as listed in [Table 3](#).

5.2 The sizes listed in [Table 3](#) are typical as shipped from the manufacturer's plant. These alloys exhibit varying degrees of friability; therefore, some attrition may be expected in transit, storage, and handling. A quantitative test is not available for rating relative friability of ferroalloys. A code system has been developed, for this purpose, and a number rating each product type is shown in the last column of [Table 4](#). Definitions applicable to these code numbers are given in Specification [A1025](#).

6. Chemical Analysis

6.1 The chemical analysis of the material shall be in accordance with a procedure agreed upon between the manufacturer and the purchaser.

7. Keywords

7.1 ferrotitanium