



Standard Specification for Ferroalloys, General Requirements¹

This standard is issued under the fixed designation A 1025; 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 a group of common requirements that, unless otherwise specified in an individual specification, shall apply to ferroalloys and other charge materials under each of the following ASTM specifications:

Title of Specification	ASTM Designation
Ferromanganese	A 99
Ferrosilicon	A 100
Ferrochromium	A 101
Ferrovandium	A 102
Ferromolybdenum	A 132
Molybdenum oxide products	A 146
Ferroboration	A 323
Ferrotitanium	A 324
Chromium metal	A 481
Ferrosilicon-chromium	A 482
Silicomanganese	A 483
Calcium-silicon alloys	A 495
Ferrocolumbium	A 550
Electrolytic manganese metal	A 601
Nickel oxide sinter	A 636
Ferromanganese silicon	A 701
Titanium scrap for use in deoxidation and alloying of steel	A 845
Aluminum scrap for use in deoxidation and alloying of steel	A 846
Silicon metal	A 922

1.2 This specification also covers a group of supplementary requirements which may be applied to the above specifications as indicated therein. These are provided for use when additional testing or inspection is desired and apply only when specified individually by the purchaser in the order.

1.3 In case of conflict between the requirements of the individual specification and this general specification, the former shall prevail.

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 establish appropriate safety and health practices and determine the applicability of regulatory requirements prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

A 99 Specification for Ferromanganese²

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 Annual Book of ASTM Standards, Vol 01.02.

A 100 Specification for Ferrosilicon²
A 101 Specification for Ferrochromium²
A 102 Specification for Ferrovandium²
A 132 Specification for Ferromolybdenum²
A 146 Specification for Molybdenum Oxide Products²
A 323 Specification for Ferroboration²
A 324 Specification for Ferrotitanium²
A 481 Specification for Chromium Metal²
A 482 Specification for Ferrochrome-Silicon²
A 483 Specification for Silicomanganese²
A 495 Specification for Calcium-Silicon Alloys²
A 550 Specification for Ferrocolumbium²
A 601 Specification for Electrolytic Manganese Metal²
A 610 Test Methods for Sampling and Testing Ferroalloys for Determination of Size²
A 636 Specification for Nickel Oxide Sinter²
A 701 Specification for Ferromanganese-Silicon²
A 845 Specification for Titanium Scrap for Use in Deoxidation and Alloying of Steel²
A 846 Specification for Aluminum Scrap for Use in Deoxidation and Alloying of Steel²
A 922 Specification for Silicon Metal²
E 29 Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications³
E 32 Practices for Sampling Ferroalloys and Steel Additives for Determination of Chemical Composition⁴

3. Ordering Information

3.1 Orders for material should include the following as required, to describe the material adequately:

- 3.1.1 ASTM designation and year of issue,
- 3.1.2 Grade of material,
- 3.1.3 Size of material,
- 3.1.4 Quantity,
- 3.1.5 Packaging requirements, and
- 3.1.6 Supplementary requirements desired, including the standards of acceptance.

³ Annual Book of ASTM Standards, Vol 14.02.

⁴ Annual Book of ASTM Standards, Vol 03.05.