



Standard Specification for General Requirements for Alloy and Stainless Steel Pipe¹

This standard is issued under the fixed designation A 999/A 999M; 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 specification² covers a group of general requirements that, unless otherwise specified in an individual specification, shall apply to the ASTM product specifications noted below.

1.2 In the case of conflict between a requirement of a product specification and a requirement of this specification, the product specification shall prevail. In the case of conflict between a requirement of the product specification or a requirement of this specification and a more stringent requirement of the purchase order, the purchase order shall prevail.

Title of Specification	ASTM Designation ³
Seamless and Welded Austenitic Stainless Steel Pipe	A 312/A 312M
Seamless and Welded Steel Pipe for Low-Temperature Service	A 333/A 333M
Seamless Ferritic Alloy-Steel Pipe for High Temperature Service	A 335/A 335M
Electric-Fusion-Welded Austenitic Chromium-Nickel Alloy Steel Pipe for High-Temperature Service	A 358/A 358M
Carbon and Ferritic Alloy Steel Forged and Bored Pipe for High-Temperature Service	A 369/A 369M
Seamless Austenitic Steel Pipe for Use With High Temperature Central-Station Service	A 376/A 376M
Welded Large Diameter Austenitic Steel Pipe for Corrosive or High-Temperature Service	A 409/A 409M
Welded, Unannealed Austenitic Stainless Steel Tubular Products	A 778
Seamless and Welded Ferritic/Austenitic Stainless Steel Pipe	A 790/A 790M
Single- or Double-Welded Austenitic Stainless Steel Pipe	A 813/A 813M
Cold-Worked Welded Austenitic Stainless Steel Pipe	A 814/A 814M
Ferritic/Austenitic (Duplex) Stainless Steel Pipe Electric Fusion Welded with Addition of Filler Metal	A 928
Spray-Formed Seamless Austenitic Stainless Steel Pipe	A 943
Spray-Formed Seamless Ferritic/Austenitic Stainless Steel Pipe	A 949
Austenitic Chromium-Nickel-Silicon Alloy Steel Seamless and Welded Pipe	A 954

1.3 The values stated in either inch-pound units or SI units are to be regarded separately as standard. With the text, the SI units are shown in brackets. The values stated in each system

are not exact equivalents; therefore each system must be used independently of the other. Combining values from the two systems may result in nonconformance with the specification. The inch-pound units shall apply unless the “M” designation (SI) of the product specification is specified in the order.

NOTE 1—The dimensionless designator NPS (nominal pipe size) is used in this standard for such traditional terms as “nominal diameter,” “size,” “nominal bore,” and “nominal size”.

1.4 The following precautionary statement pertains only to the test method portion, Section 21, of this specification: *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 limitations prior to use.*

2. Referenced Documents

2.1 ASTM Standards:

- A 370 Test Methods and Definitions for Mechanical Testing of Steel Products⁴
- A 700 Practices for Packaging, Marking, and Loading Methods for Steel Products for Domestic Shipment⁴
- A 751 Test Methods, Practices, and Terminology for Chemical Analysis of Steel Products⁵
- D 3951 Practice for Commercial Packaging⁶
- E 29 Practice for Using Significant Digits in Test Data to Determine Conformance with Specifications⁷
- E 213 Practice for Ultrasonic Examination of Metal Pipe and Tubing⁸
- E 273 Practice for Ultrasonic Examination of Longitudinal Welded Pipe and Tubing⁸
- E 309 Practice for Eddy-Current Examination of Steel Tubular Products Using Magnetic Saturation⁸
- E 426 Practice for Electromagnetic (Eddy-Current) Examination of Seamless and Welded Tubular Products, Austenitic Stainless Steel and Similar Alloys⁸
- E 570 Practice for Flux Leakage Examination of Ferromagnetic Steel Tubular Products⁸

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 A01.10 on Alloy Steel Tubular Products.

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² For ASME Boiler and Pressure Vessel Code applications see related Specification SA 999 in Section II of that Code.

³ These designations refer to the latest issue of the respective specifications. See *Annual Book of ASTM Standards*, Vol 01.01.

⁴ *Annual Book of ASTM Standards*, Vol 01.05.

⁵ *Annual Book of ASTM Standards*, Vol 01.03.

⁶ *Annual Book of ASTM Standards*, Vol 15.09.

⁷ *Annual Book of ASTM Standards*, Vol 14.02.

⁸ *Annual Book of ASTM Standards*, Vol 03.03.