



Standard Specification for General Requirements for Alloy and Stainless Steel Pipe¹

This standard is issued under the fixed designation A999/A999M; 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 Pipes	A312/A312M
Seamless and Welded Steel Pipe for Low-Temperature Service	A333/A333M
Seamless Ferritic Alloy-Steel Pipe for High Temperature Service	A335/A335M
Electric-Fusion-Welded Austenitic Chromium-Nickel Alloy Steel Pipe for High-Temperature Service	A358/A358M
Carbon and Ferritic Alloy Steel Forged and Bored Pipe for High-Temperature Service	A369/A369M
Seamless Austenitic Steel Pipe for Use With High Temperature Central-Station Service	A376/A376M
Welded Large Diameter Austenitic Steel Pipe for Corrosive or High-Temperature Service	A409/A409M
Centrifugally Cast Ferritic Alloy Steel Pipe for High-Temperature Service	A426/A426M
Centrifugally Cast Austenitic Steel Pipe for High-Temperature Service	A451/A451M
Centrifugally Cast Iron-Chromium-Nickel High-Alloy Tubing for Pressure Application at High Temperatures	A608/A608M
Welded, Unannealed Austenitic Stainless Steel Tubular Products	A778
Seamless and Welded Ferritic/Austenitic Stainless Steel Pipe	A790/A790M
Single- or Double-Welded Austenitic Stainless Steel Pipe	A813/A813M
Cold-Worked Welded Austenitic Stainless Steel Pipe	A814/A814M

Centrifugally Cast Ferritic/Austenitic Stainless Steel Pipe for Corrosive Environments	A872/A872M
Ferritic/Austenitic (Duplex) Stainless Steel Pipe Electric Fusion Welded with Addition of Filler Metal	A928/A928M
Spray-Formed Seamless Austenitic Stainless Steel Pipe	A943/A943M
Spray-Formed Seamless Ferritic/Austenitic Stainless Steel Pipe	A949/A949M
Austenitic Chromium-Nickel-Silicon Alloy Steel Seamless and Welded Pipe	A954

1.3 The values stated in either SI units or inch-pound units are to be regarded separately as standard. Within the text, the SI units are shown in brackets. The values stated in each system may not be exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in non-conformance with the standard. The inch-pound units 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 22, 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:⁴

A312/A312M Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes
A333/A333M Specification for Seamless and Welded Steel Pipe for Low-Temperature Service and Other Applications with Required Notch Toughness
A335/A335M Specification for Seamless Ferritic Alloy-Steel Pipe for High-Temperature Service
A358/A358M Specification for Electric-Fusion-Welded Austenitic Chromium-Nickel Stainless Steel Pipe for High-Temperature Service and General Applications

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 Stainless and Alloy Steel Tubular Products.

Current edition approved Sept. 1, 2016. Published October 2016. Originally approved in 1998. Last previous edition approved in 2015 as A999/A999M – 15. DOI: 10.1520/A0999_A0999M-16.

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 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