



Standard Specification for General Requirements for Specialized Carbon and Alloy Steel Pipe¹

This standard is issued under the fixed designation A530/A530M; 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.

This standard has been approved for use by agencies of the Department of Defense.

1. Scope*

1.1 This specification² covers a group of requirements which, with the exceptions of Section 6.3, Section 14, Section 21, and Section 22, are mandatory requirements to the ASTM pipe product specifications noted below unless the product specification specifies different requirements, in which case the requirement of the product specification shall prevail.

1.2 Sections 6.3 or 21 are mandatory if the product specification has a requirement for product analysis or flattening tests.

1.3 Section 22 is mandatory if the product specification has a hydrostatic test requirement without defining the test parameters.

1.4 Section 14 is for information only.

1.5 In case of conflict between a requirement of the product specification and a requirement of this general requirement specification, only the requirement of the product specification need be satisfied.

^A These designations refer to the latest issue of the respective specifications.

1.6 The values stated in either inch-pound units or SI units are to be regarded separately as standard. Within 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) has been substituted in this standard for such traditional terms as “nominal diameter,” “size,” and “nominal size.”

1.7 *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:³

A106/A106M Specification for Seamless Carbon Steel Pipe for High-Temperature Service
A370 Test Methods and Definitions for Mechanical Testing of Steel Products
A381 Specification for Metal-Arc-Welded Steel Pipe for Use With High-Pressure Transmission Systems
A450/A450M Specification for General Requirements for Carbon and Low Alloy Steel Tubes
A524 Specification for Seamless Carbon Steel Pipe for Atmospheric and Lower Temperatures
A660 Specification for Centrifugally Cast Carbon Steel Pipe for High-Temperature Service
A671/A671M Specification for Electric-Fusion-Welded Steel Pipe for Atmospheric and Lower Temperatures

³ 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.

Title of Specification	ASTM Designation ^A
Seamless Carbon Steel Pipe for High-Temperature Service	A106/A106M
Metal-Arc-Welded Steel Pipe for Use With High-Pressure Transmission Systems	A381
Seamless Carbon Steel Pipe for Atmospheric and Lower Temperatures	A524
Centrifugally Cast Carbon Steel Pipe for High-Temperature Service	A660
Electric-Fusion-Welded Steel Pipe for Atmospheric and Lower Temperatures	A671/A671M
Electric-Fusion-Welded Steel Pipe for High-Pressure Service at Moderate Temperatures	A672/A672M
Carbon and Alloy Steel Pipe, Electric-Fusion-Welded for High-Pressure Service at High Temperatures	A691/A691M

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 A01.09 on Carbon Steel Tubular Products.

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² For ASME Boiler and Pressure Vessel Code applications see related Specification SA-530 in Section II of that Code.

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