



Designation: B673 – 21

Standard Specification for Nickel-Iron-Chromium-Molybdenum and Iron-Nickel- Chromium-Molybdenum-Copper Welded Pipe¹

This standard is issued under the fixed designation B673; 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 UNS N08925, UNS N08354, and UNS N08926² welded pipe for general corrosion applications.

1.2 This specification covers pipe sizes in schedules shown in [Table 1](#).

1.3 ASTM International has adopted definitions whereby some grades, such as UNS N08904, previously in this specification were recognized as stainless steels, because those grades have iron as the largest element by mass percent. Such grades are under the oversight of ASTM Committee A01 and its subcommittees. The products of N08904 previously covered in this specification are now covered by Specification [A312/A312M](#).

1.4 The values stated in inch-pound units are to be regarded as standard. The values given in parentheses are mathematical conversions to SI units that are provided for information only and are not considered standard.

1.5 *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 become familiar with all hazards including those identified in the appropriate Safety Data Sheet (SDS) for this product/material as provided by the manufacturer, to establish appropriate safety, health, and environmental practices, and determine the applicability of regulatory limitations prior to use.*

1.6 *This international standard was developed in accordance with internationally recognized principles on standardization established in the Decision on Principles for the Development of International Standards, Guides and Recommendations issued by the World Trade Organization Technical Barriers to Trade (TBT) Committee.*

¹ This specification is under the jurisdiction of ASTM Committee B02 on Nonferrous Metals and Alloys and is the direct responsibility of Subcommittee B02.07 on Refined Nickel and Cobalt and Their Alloys.

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² New designation established in accordance with ASTM E527 and SAE J1086, Practice for Numbering Metals and Alloys (UNS).

2. Referenced Documents

2.1 ASTM Standards:³

[A312/A312M Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes](#)

[B775 Specification for General Requirements for Nickel and Nickel Alloy Welded Pipe](#)

[E527 Practice for Numbering Metals and Alloys in the Unified Numbering System \(UNS\)](#)

2.2 ANSI Standards:⁴

[B2.1 Pipe Threads](#)

[B31.10 Power Piping](#)

[B36.10 Welded and Seamless Wrought Steel Pipe](#)

[B36.19 Stainless Steel Pipe](#)

3. Classification

3.1 *Class 1*—Welded, cold worked, solution treated, and nondestructively tested in accordance with [8.3.1](#).

3.2 *Class 2*—Welded, cold worked, solution treated, and nondestructively tested in accordance with [8.3.2](#).

3.3 *Class 3*—As welded, solution treated, and nondestructively tested in accordance with [8.3.1](#).

4. General Requirement

4.1 Material furnished under this specification shall conform to the applicable requirements of Specification [B775](#) unless otherwise provided herein.

5. Ordering Information

5.1 Orders for material under this specification should include the following information:

5.1.1 Alloy name or UNS number,

5.1.2 *Class*,

5.1.3 *Quantity* (feet or number of lengths),

5.1.4 *Size* (nominal size or outside diameter and schedule number or average wall thickness),

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.

⁴ Available from American National Standards Institute (ANSI), 25 W. 43rd St., 4th Floor, New York, NY 10036, <http://www.ansi.org>.

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