



Standard Specification for UNS N08904, UNS N08925, and UNS N08926 Seamless Pipe and Tube¹

This standard is issued under the fixed designation B 677; 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 N08904, UNS N08925, and UNS N08926* seamless, cold-worked or hot-finished pipe and tube intended for general corrosive service.

1.2 The values stated in inch-pound units are to be regarded as the standard.

1.3 *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 Material Safety Data Sheet for this product/material as provided by the manufacturer, to establish appropriate safety and health practices, and determine the applicability of regulatory limitations prior to use.*

2. Referenced Documents

2.1 *ASTM Standards:*²

B 829 Specification for General Requirements for Nickel and Nickel Alloys Seamless Pipe and Tube

3. Terminology Definitions

3.1 *average diameter, n*—the average of the maximum and minimum outside diameters as determined at any one cross section of the tube or pipe.

3.2 *pipe, n*—seamless tube conforming to the particular dimensions commercially known as standard pipe sizes (Appendix X1).

3.3 *tube, n*—a hollow product of round or any other cross section having a continuous periphery.

4. General Requirements

4.1 Material furnished under this specification shall conform to the requirements of Specification B 829 unless otherwise provided herein. In the case of conflict, the requirements of this specification shall take precedence.

5. Ordering Information

5.1 It is the responsibility of the purchaser to specify all requirements that are necessary for material ordered under this specification. Examples of such requirements include, but are not limited to, the following:

5.1.1 Alloy name or UNS number.

5.1.2 ASTM designation and year of issue.

5.1.3 Finish.

5.1.4 *Dimensions:*

5.1.4.1 *Tube*—Outside diameter and the average or minimum wall thickness.

5.1.4.2 *Pipe*—Standard pipe size and schedule (Appendix X1).

5.1.4.3 *Length*, (cut to length or random).

5.1.5 Quantity (feet or number of pieces).

5.1.6 *Nondestructive Testing* (see 8.2):

5.1.6.1 *Pressure Requirements*—Test pressure if other than required by 8.2.1.

5.1.6.2 Specify if an electric test is to be performed.

5.1.7 *Ends*—Plain ends cut and deburred will be furnished. If threaded ends or ends beveled for welding are desired, give details.

5.1.8 *Certification*—State if certification is required.

5.1.9 *Samples for Product (Check) Analysis*—State whether samples for product (check) analysis should be furnished (see 7.2).

5.1.10 *Purchaser Inspection*—If the purchaser wishes to witness tests or inspection of material at the place of manufacture, the purchase order must so state, indicating which tests or inspections are to be witnessed.

6. Materials and Manufacture

6.1 The material shall be supplied in the solution-treated condition.

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.

Current edition approved Feb. 1, 2004. Published February 2004. Originally approved in 1980. Last previous edition approved in 1999 as B 677 – 99.

* New designation established in accordance with ASTM E 527 and SAE J1086, Recommended Practice for Numbering Metals and Alloys (UNS).

² 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.