



Designation: B464/B464M – 15 (Reapproved 2020)

Standard Specification for Welded UNS N08020 Alloy Pipe¹

This standard is issued under the fixed designation B464/B464M; 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 welded UNS N08020 alloy pipe for general corrosion-resisting and low- or high-temperature service.

1.2 The pipe covered is nominal pipe sizes up to and including NPS 6 [168 mm] with the nominal wall thicknesses given as Schedules 5S, 10S, and 40S and nominal pipe sizes up to and including NPS 2 [60 mm] also including Schedule 80S. Table 2 of Specification B775 is based on Table A1 of ANSI B36.19 and gives the nominal dimensions of these sizes. Table 3 of Specification B775 lists the dimensional requirements of these sizes. Pipe having other dimensions may be furnished provided such pipe complies with all other requirements of this specification.

1.3 The values stated in either SI units or inch-pound units are to be regarded separately as standard. The values stated in each system are not necessarily exact equivalents; therefore, to ensure conformance with the standard, each system shall be used independently of the other, and values from the two systems shall not be combined.

1.4 *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.*

1.5 *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.

Current edition approved April 1, 2020. Published April 2020. Originally approved in 1967. Last previous edition approved in 2015 as B464/B464M – 15. DOI: 10.1520/B0464_B0464M-15R20.

² For ASME Boiler and Pressure Vessel Code applications, see related Specification SB-464 in Section II of that code.

2. Referenced Documents

2.1 *ASTM Standards*:³

A262 Practices for Detecting Susceptibility to Intergranular Attack in Austenitic Stainless Steels

B775 Specification for General Requirements for Nickel and Nickel Alloy Welded Pipe

B899 Terminology Relating to Non-ferrous Metals and Alloys

2.2 *ANSI Standard*:

B36.19 Stainless Steel Pipe⁴

3. Terminology

3.1 *Definitions*—Definitions for terms defined in Terminology B899 shall apply unless otherwise defined by the requirements of this document.

4. General Requirement

4.1 Material furnished in accordance with this specification shall conform to the applicable requirements of the current edition of Specification B775 unless otherwise provided herein.

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 Quantity (feet or number of lengths),

5.1.2 UNS number,

5.1.3 Size (nominal pipe size and schedule),

5.1.4 Length (random or specific),

5.1.5 ASTM designation,

5.1.6 *Product Analysis*—State if required,

5.1.7 *Certification*—State if a certification or a report of test results is required,

5.1.8 *Purchaser Inspection*—State which tests or inspections are to be witnessed, if any, and

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>.