



Designation: ~~B 535-04~~ Designation: B535 - 06

Standard Specification for Nickel-Iron-Chromium-Silicon Alloys (UNS N08330 and N08332) Seamless Pipe and Tube¹

This standard is issued under the fixed designation B535; 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 alloys UNS N08330 and N08332 in the form of hot-finished and cold-finished seamless pipe and tube intended for heat resisting applications and general corrosive service.

1.2 The values stated in inch-pound units are to be considered as the standard. The values given in parentheses are for information only.

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 (MSDS) 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:*³

B829 [Specification for General Requirements for Nickel and Nickel Alloys Seamless Pipe and Tube](#)

B899 [Terminology Relating to Non-ferrous Metals and Alloys](#)

3. Terminology

3.1 *Definitions:*

3.1.1 Definitions for terms defined in Terminology B-899-B899 shall apply unless otherwise defined by the requirements of this document.

4. General Requirement

4.1 Material furnished under this specification shall conform to the applicable requirements of Specification ~~B-829~~B829 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 Alloy name or UNS number,

5.1.2 ASTM designation and year of issue,

5.1.3 *Dimensions:*

5.1.3.1 *Pipe*—Specify standard pipe size and schedule,

5.1.3.2 *Tube*—Specify outside diameter and nominal or minimum wall,

5.1.3.3 *Length* (specific or random),

5.1.4 *Finish:*

5.1.4.1 *Pipe*—Specify cold-worked or hot-worked,

5.1.4.2 *Tube*—Specify cold-worked or hot-finished,

5.1.5 *Quantity* (feet or meters or number of pieces),

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 For ASME Boiler and Pressure Vessel Code applications see related Specification SB-535 in Section II of that Code.

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.

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