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ASTM B163-04 Standard Specification for Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes

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Abbreviation
ASTM B163-04
Valid from
01/02/2004

Information provider
American Society of Testing and Materials
Author
American Society for Testing and Materials
Information type
ASTM Standard
Format
PDF

Cited By
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Description

This standard provides a specification for seamless tubes of nickel and nickel alloys for use in condenser and heat-exchanger service.

Scope

This specification covers outside diameter and average wall, or outside diameter and minimum wall tube.

- The sizes covered by this specification are 3 in. (76.2 mm) and under in outside diameter with minimum wall thicknesses of 0.148 in. (3.76 mm) and under, and with average wall thicknesses of 0.165 in. (4.19 mm) and under.

Tube shall be furnished in the alloys and conditions as shown in Table 2. For small diameter and light wall tube (converter sizes), see Appendix X2.

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

The following safety hazards caveat pertains only to the test method portion, Section 12, of this specification. 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.

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- [AS 1357.2-2005](#)

ASTM B163-04 is cited by AS 1357.2-2005 (2015) Valves primarily for use in heated water systems. Part 2: Control valves

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