



Standard Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube for Gas and Oil Transmission and Distribution Piping Systems¹

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1. Scope*

1.1 This specification covers seamless pipe and seamless extruded tube in the aluminum and aluminum alloys (**Note 1**) and tempers listed in **Table 1** and **Table 2**, respectively. Seamless pipe and seamless tube are intended for use in applications involving internal pressure.

NOTE 1—Throughout this specification use of the term *alloy* in the general sense includes aluminum as well as aluminum alloy.

NOTE 2—For drawn seamless tubes, see Specifications **B210** and **B210M**; for extruded tubes, Specifications **B221** and **B221M**; for drawn seamless tubes for condensers and heat exchangers, Specifications **B234** and **B234M**; for seamless pipe and seamless extruded tube, **B241/B241M**; for round welded tubes, Specification **B313/B313M**; for seamless condenser and heat exchanger tubes with integral fins, Specification **B404/B404M**; for extruded structural pipe and tube, Specification **B429/B429M**; and for drawn tube for general purpose applications, Specification **B483/B483M**.

1.2 Alloy and temper designations are in accordance with ANSI H35.1 [H35.1M]. The equivalent Unified Numbering System alloy designations are those of **Table 3** preceded by A9, for example, A93003 for aluminum alloy 3003 in accordance with Practice **E527**.

1.3 For acceptance criteria for inclusion of new aluminum and aluminum alloys in this specification, see **Annex A2**.

1.4 The values stated in either inch-pound units or SI units are to be regarded separately as standard. Within the text, the SI units are shown in brackets. The values stated in each system are not exact equivalents; therefore, each system shall be used independently of the other. Combining values from the two systems may result in nonconformance with the specification.

¹ This specification is under the jurisdiction of ASTM Committee **B07** on Light Metals and Alloys and is the direct responsibility of Subcommittee **B07.03** on Aluminum Alloy Wrought Products.

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2. Referenced Documents

2.1 The following documents of the issue in effect on the date of material purchase form a part of this specification to the extent referenced herein:

2.2 *ASTM Standards*:

B210 Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes²

B210M Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric)²

B221 Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes²

B221M Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric)²

B234 Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes for Condensers and Heat Exchangers²

B234M Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes for Condensers and Heat Exchangers (Metric)²

B241/B241M Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube²

B313/B313M Specification for Aluminum and Aluminum-Alloy Round Welded Tubes²

B404/B404M Specification for Aluminum and Aluminum-Alloy Seamless Condenser and Heat-Exchanger Tubes with Integral Fins (Withdrawn 2006)³

B429/B429M Specification for Aluminum-Alloy Extruded Structural Pipe and Tube²

B483/B483M Specification for Aluminum and Aluminum-Alloy Drawn Tube and Drawn Pipe for General Purpose Applications²

B557 Test Methods for Tension Testing Wrought and Cast Aluminum- and Magnesium-Alloy Products²

B557M Test Methods for Tension Testing Wrought and Cast Aluminum- and Magnesium-Alloy Products (Metric)²

B647 Test Method for Indentation Hardness of Aluminum

² *Annual Book of ASTM Standards*, Vol 02.02.

³ The last approved version of this historical standard is referenced on www.astm.org.

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