

ASTM Volume 02.02, September 2018

Aluminum and Magnesium Alloys

Table of Contents

B26/B26M-18 Standard Specification for Aluminum-Alloy Sand Castings

B37-18 Standard Specification for Aluminum for Use in Iron and Steel
Manufacture

B80-15 Standard Specification for Magnesium-Alloy Sand Castings

B85/B85M-18 Standard Specification for Aluminum-Alloy Die Castings

B90/B90M-15 Standard Specification for Magnesium-Alloy Sheet and Plate

B91-17 Standard Specification for Magnesium-Alloy Forgings

B92/B92M-17 Standard Specification for Unalloyed Magnesium Ingot and Stick
For Remelting

B93/B93M-15 Standard Specification for Magnesium Alloys in Ingot Form for
Sand Castings, Permanent Mold Castings, and Die Castings

B94-18 Standard Specification for Magnesium-Alloy Die Castings

B107/B107M-13 Standard Specification for Magnesium-Alloy Extruded Bars,
Rods, Profiles, Tubes, and Wire

B108/B108M-18 Standard Specification for Aluminum-Alloy Permanent Mold
Castings

B179-18 Standard Specification for Aluminum Alloys in Ingot and Molten Forms
for Castings from All Casting Processes

B199-17 Standard Specification for Magnesium-Alloy Permanent Mold Castings

B209-14 Standard Specification for Aluminum and Aluminum-Alloy Sheet and
Plate

B209M-14 Standard Specification for Aluminum and Aluminum-Alloy Sheet and Plate (Metric)

B210-12 Standard Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes

B210M-12 Standard Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes (Metric)

B211-12e1 Standard Specification for Aluminum and Aluminum-Alloy Rolled or Cold Finished Bar, Rod, and Wire

B211M-12e1 Standard Specification for Aluminum and Aluminum-Alloy Rolled or Cold-Finished Bar, Rod, and Wire (Metric)

B221M-13 Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes (Metric)

B221-14 Standard Specification for Aluminum and Aluminum-Alloy Extruded Bars, Rods, Wire, Profiles, and Tubes

B234-17 Standard Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes for Surface Condensers, Evaporators, and Heat Exchangers

B234M-17 Standard Specification for Aluminum and Aluminum-Alloy Drawn Seamless Tubes for Surface Condensers, Evaporators, and Heat Exchangers (Metric)

B236-07(2015) Standard Specification for Aluminum Bars for Electrical Purposes (Bus Bars)

B236M-07(2015) Standard Specification for Aluminum Bars for Electrical Purposes (Bus Bars) (Metric)

B241/B241M-16 Standard Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube

B247-15 Standard Specification for Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings

B247M-15 Standard Specification for Aluminum and Aluminum-Alloy Die Forgings, Hand Forgings, and Rolled Ring Forgings (Metric)

B296-03(2014) Standard Practice for Temper Designations of Magnesium Alloys, Cast and Wrought

B308/B308M-10 Standard Specification for Aluminum-Alloy 6061-T6 Standard Structural Profiles

B316/B316M-15 Standard Specification for Aluminum and Aluminum-Alloy Rivet and Cold-Heading Wire and Rods

B317/B317M-07(2015)e1 Standard Specification for Aluminum-Alloy Extruded Bar, Rod, Tube, Pipe, Structural Profiles, and Profiles for Electrical Purposes (Bus Conductor)

B361-16 Standard Specification for Factory-Made Wrought Aluminum and Aluminum-Alloy Welding Fittings

B403-12 Standard Specification for Magnesium-Alloy Investment Castings

B429/B429M-10e1 Standard Specification for Aluminum-Alloy Extruded Structural Pipe and Tube

B483/B483M-13e1 Standard Specification for Aluminum and Aluminum-Alloy Drawn Tube and Drawn Pipe for General Purpose Applications

B491/B491M-15 Standard Specification for Aluminum and Aluminum-Alloy Extruded Round Tubes for General-Purpose Applications

B547/B547M-10 Standard Specification for Aluminum and Aluminum-Alloy Formed and Arc-Welded Round Tube

B548-03(2017) Standard Test Method for Ultrasonic Inspection of Aluminum-Alloy Plate for Pressure Vessels

B557-15 Standard Test Methods for Tension Testing Wrought and Cast Aluminum- and Magnesium-Alloy Products

B557M-15 Standard Test Methods for Tension Testing Wrought and Cast Aluminum- and Magnesium-Alloy Products (Metric)

B565-04(2015) Standard Test Method for Shear Testing of Aluminum and Aluminum-Alloy Rivets and Cold-Heading Wire and Rods

B594-13 Standard Practice for Ultrasonic Inspection of Aluminum-Alloy Wrought Products

B618/B618M-18 Standard Specification for Aluminum-Alloy Investment Castings

B632/B632M-15 Standard Specification for Aluminum-Alloy Rolled Tread Plate

B645-10(2015) Standard Practice for Linear-Elastic Plane–Strain Fracture Toughness Testing of Aluminum Alloys

B646-17 Standard Practice for Fracture Toughness Testing of Aluminum Alloys

B647-10(2016) Standard Test Method for Indentation Hardness of Aluminum Alloys by Means of a Webster Hardness Gage

B648-10(2015)e1 Standard Test Method for Indentation Hardness of Aluminum Alloys by Means of a Barcol Impressor

B660-15 Standard Practices for Packaging/Packing of Aluminum and Magnesium Products

B661-12 Standard Practice for Heat Treatment of Magnesium Alloys

B666/B666M-15 Standard Practice for Identification Marking of Aluminum and Magnesium Products

B686/B686M-18 Standard Specification for Aluminum Alloy Castings, High-Strength

B744/B744M-15 Standard Specification for Aluminum Alloy Sheet for Corrugated Aluminum Pipe

B745/B745M-15 Standard Specification for Corrugated Aluminum Pipe for Sewers and Drains

B746/B746M-16 Standard Specification for Corrugated Aluminum Alloy Structural Plate for Field-Bolted Pipe, Pipe-Arches, and Arches

B769-11(2016) Standard Test Method for Shear Testing of Aluminum Alloys

B788/B788M-09(2014) Standard Practice for Installing Factory-Made Corrugated Aluminum Culverts and Storm Sewer Pipe

B789/B789M-16 Standard Practice for Installing Corrugated Aluminum Structural Plate Pipe for Culverts and Sewers

B790/B790M-16 Standard Practice for Structural Design of Corrugated Aluminum Pipe, Pipe-Arches, and Arches for Culverts, Storm Sewers, and Other Buried Conduits

B807/B807M-13 Standard Practice for Extrusion Press Solution Heat Treatment for Aluminum Alloys

B831-14 Standard Test Method for Shear Testing of Thin Aluminum Alloy Products

B843-18e1 Standard Specification for Magnesium Alloy Anodes for Cathodic Protection

B864/B864M-13 Standard Specification for Corrugated Aluminum Box Culverts

B881-17 Standard Terminology Relating to Aluminum- and Magnesium-Alloy Products

B909-17 Standard Guide for Plane Strain Fracture Toughness Testing of Non-Stress Relieved Aluminum Products

B917/B917M-12 Standard Practice for Heat Treatment of Aluminum-Alloy Castings from All Processes

B918/B918M-17a Standard Practice for Heat Treatment of Wrought Aluminum Alloys

B926-09(2017) Standard Method for Pinhole Determination in Aluminum and Aluminum Alloy Plain Foil by Means of a Light Table

B928/B928M-15 Standard Specification for High Magnesium Aluminum-Alloy Products for Marine Service and Similar Environments

B945-06(2014) Standard Practice for Aluminum Alloy Extrusions Press Cooled from an Elevated Temperature Shaping Process for Production of T1, T2, T5 and T10–Type Tempers

B947-14 Standard Practice for Hot Rolling Mill Solution Heat Treatment for Aluminum Alloy Plate

B951-11(2018) Standard Practice for Codification of Unalloyed Magnesium and Magnesium-Alloys, Cast and Wrought

B953-13 Standard Practice for Sampling Magnesium and Magnesium Alloys for Spectrochemical Analysis

B954-15 Standard Test Method for Analysis of Magnesium and Magnesium Alloys by Atomic Emission Spectrometry

B955/B955M-18 Standard Specification for Aluminum-Alloy Centrifugal Castings

B969/B969M-18 Standard Specification for Aluminum-Alloy Castings Produced by Squeeze Casting, and the Semi-Solid Thixocast and Rheocast Casting Processes

B985-12(2016) Standard Practice for Sampling Aluminum Ingots, Billets, Castings and Finished or Semi-Finished Wrought Aluminum Products for Compositional Analysis

B998-17 Standard Guide for Hot Isostatic Pressing (HIP) of Aluminum Alloy Castings

E252-06(2013) Standard Test Method for Thickness of Foil, Thin Sheet, and Film by Mass Measurement