

ASTM Standards for Welding

- A1008 Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardenable
- A1011 Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength
- A1018 Standard Specification for Steel, Sheet and Strip, Heavy-Thickness Coils, Hot-Rolled, Carbon, Commercial, Drawing, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength
- A106 Standard Specification for Seamless Carbon Steel Pipe for High-Temperature Service
- A108 Standard Specification for Steel Bar, Carbon and Alloy, Cold-Finished
- A109 Standard Specification for Steel, Strip, Carbon (0.25 Maximum Percent), Cold-Rolled
- A131 Standard Specification for Structural Steel for Ships
- A139 Standard Specification for Electric-Fusion (Arc)-Welded Steel Pipe (NPS 4 and Over)
- A29 Standard Specification for Steel Bar, Carbon and Alloy, Hot Wrought
- A242 Standard Specification for High Strength Low Alloy Structural Steel
- A252 Standard Specification for Welded and Seamless Steel Pipe Piles
- A325 Standard Specification for Structural Bolts, Steel, Heat-Treated, 120/105 ksi Minimum Tensile Strength
- A36 Standard Specification for Carbon Structural Steel
- A333 Standard Specification for Seamless and Welded Steel Pipe for Low-Temperature Service
- A334 Standard Specification for Seamless and Welded Carbon and Alloy-Steel Tubes for Low-Temperature Service
- A370 Standard Test Methods and Definitions for Mechanical Testing of Steel Products
- A381 Standard Specification for Metal-Arc-Welded Steel Pipe for Use With High-Pressure Transmission Systems
- A435 Standard Specification for Straight-Beam Ultrasonic Examination of Steel Plates
- A490 Standard Specification for Structural Bolts, Alloy Steel, Heat-Treated, 105 ksi Minimum Tensile Strength
- A496 Standard Specification for Steel Wire, Deformed, for Concrete Reinforcement

- A500 Standard Specification for Cold-Formed Welded and Seamless Carbon Steel Structural Tubing in Rounds and Shapes
- A501 Standard Specification for Hot-Formed Welded and Seamless Carbon Steel Structural Tubing
- A514 Standard Specification for High-Yield-Strength, Quenched and Tempered Alloy Steel Plate, Suitable for Welding
- A516 Standard Specification for Pressure Vessel Plates, Carbon Steel, for Moderate- and Lower-Temperature Service
- A517 Standard Specification for Pressure Vessel Plates, Alloy Steel, High-Strength, Quenched and Tempered
- A524 Standard Specification for Seamless Carbon Steel Pipe for Atmospheric and Lower Temperatures
- A529 Standard Specification for High-Strength Carbon-Manganese Steel of Structural Quality
- A53 Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless
- A537 Standard Specification for Pressure Vessel Plates, Heat-Treated, Carbon-Manganese-Silicon Steel
- A572 Standard Specification for High-Strength Low-Alloy Columbium-Vanadium Structural Steel
- A573 Standard Specification for Structural Carbon Steel Plates of Improved Toughness
- A578 Standard Specification for Straight-Beam Ultrasonic Examination of Rolled Steel Plates for Special Applications
- A588 Standard Specification for High-Strength Low-Alloy Structural Steel with 50 ksi [345 MPa] Minimum Yield Point to 4-in. [100-mm] Thick
- A595 Standard Specification for Tin Mill Products, Electrolytic Tin-Coated, Cold-Rolled Sheet
- A6 Standard Specification for General Requirements for Rolled Structural Steel Bars, Plates, Shapes, and Sheet Piling
- A606 Standard Specification for Steel, Sheet and Strip, High-Strength, Low-Alloy, Hot-Rolled and Cold-Rolled, with Improved Atmospheric Corrosion Resistance
- A618 Standard Specification for Hot-Formed Welded and Seamless High-Strength Low-Alloy Structural Tubing
- A633 Standard Specification for Normalized High-Strength Low-Alloy Structural Steel Plates
- A653 Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process

- A656 Standard Specification for High-Strength, Low-Alloy Carbon, Manganese, Columbium, Vanadium Steel of Structural Quality with Improved Notch Toughness
- A671 Standard Specification for Electric-Fusion-Welded Steel Pipe for Atmospheric and Lower Temperatures
- A673 Standard Specification for Sampling Procedure for Impact Testing of Structural Steel
- A678 Standard Specification for Quenched-and-Tempered Carbon and High-Strength Low-Alloy Structural Steel Plates
- A709 Standard Specification for Structural Steel for Bridges
- A710 Standard Specification for Precipitation-Strengthened Low-Carbon Nickel-Copper-Chromium-Molybdenum-Columbium Alloy Structural Steel
- A770 Standard Specification for Through-Thickness Tension Testing of Steel Plates for Special Applications
- A852 Standard Specification for Quenched and Tempered Low-Alloy Structural Steel Plate with 70 ksi [485 MPa] Minimum Yield Strength to 4 in. [100 mm] Thick
- A871 Standard Specification for High-Strength Low-Alloy Structural Steel Plate With Atmospheric Corrosion Resistance
- A913 Standard Specification for High-Strength Low-Alloy Steel Shapes of Structural Quality, Produced by Quenching and Self-Tempering Process (QST)
- A992 Standard Specification for Structural Steel Shapes
- E1025 Standard Practice for Design, Manufacture and Material Grouping Classification of Hole-Type Image Quality Indicators (IQI) Used for Radiology
- E1032 Standard Test Method for Radiographic Examination of Weldments
- E140 Standard Hardness Conversion Tables for Metals Relationship Among Brinell Hardness, Vickers Hardness, Rockwell Hardness, Superficial Hardness, Knoop Hardness, and Scleroscope Hardness
- E94 Standard Guide for Radiographic Examination
- E165 Standard Test Method for Liquid Penetrant Examination
- E23 Standard Test Methods for Notched Bar Impact Testing of Metallic Materials
- E709 Standard Guide for Magnetic Particle Examination
- E747 Standard Practice for Design, Manufacture and Material Grouping Classification of Wire Image Quality Indicators (IQI) Used for Radiology
- E92 Standard Test Method for Vickers Hardness of Metallic Materials