



Pipe and Tubing Products

Industry Specifications and Scope

Transmission Pipe Specifications

API 5L Line Pipe

Standard Pipe

Transmission of Fluids and Gases
(Carbon Steel)

API 5L

This standard specifies requirements for the manufacture of two product specification levels (PSL 1 and PSL 2) of seamless and welded steel pipe.

ASTM A53

This specification covers seamless and welded black and hot-dipped galvanized steel pipe.

General Industry Pipe Specifications

General Industry (Carbon Steel)

ASTM A106

This specification covers seamless carbon steel pipe for high-temperature service.

ASTM A513

This specification covers electric-resistance-welded carbon and alloy steel tubing for use as mechanical tubing.

ASTM 519

This specification covers several grades of carbon and alloy steel seamless mechanical tubing.

ASTM SA-53

This specification covers seamless and welded black and hot-dipped galvanized steel pipe.

Low Temperature Requirements (Carbon Steel and Alloys)

ASTM A333/A333M

Standard Specification for Seamless and Welded Steel Pipe for Low-Temperature Service and Other Applications with Required Notch Toughness.

ASTM A420/A420M

Standard Specification for Piping Fittings of Wrought Carbon Steel and Alloy Steel for Low-Temperature Service.

General Industry Pipe Specifications

General Industry PIPE (Stainless Steel, Alloys, Non-ferrous)

ASTM A312/A312M

Standard Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes

ASTM A376/A376M

Standard Specification for Seamless Austenitic Steel Pipe for High-Temperature Service

ASTM A358/A358M

Standard Specification for Electric-Fusion-Welded Austenitic Chromium-Nickel Stainless Steel Pipe for High-Temperature Service and General Applications

ASTM A778

Standard Specification for Welded, Unannealed Austenitic Stainless Steel Tubular Products

ASTM B622

Standard Specification for Seamless Nickel and Nickel-Cobalt Alloy Pipe and Tube (C276)

ASTM A335/A335M

Standard Specification for Seamless Ferritic Alloy-Steel Pipe for High-Temperature Service (include low Alloy CrMo grades)

General Industry Pipe Specifications

General Industry PIPE (Stainless Steel, Alloys, Non-ferrous)

ASTM A790/A790M

Standard Specification for Seamless and Welded Ferritic/Austenitic Stainless Steel Pipe

ASTM A928/A928M

Standard Specification for Ferritic/Austenitic (Duplex) Stainless Steel Pipe Electric Fusion Welded with Addition of Filler Metal

ASTM B161

Standard Specification for Nickel Seamless Pipe and Tube (includes 200 & 201)

ASTM B165

Standard Specification for Nickel-Copper Alloy (UNS N04400)* Seamless Pipe and Tube

ASTM B167

Standard Specification for Nickel-Chromium-Iron Alloys (UNS N06600, N06601, N06603, N06690, N06693, N06025, N06045, and N06696),* Nickel-Chromium-Cobalt-Molybdenum Alloy (UNS N06617), and Nickel-Iron-Chromium-Tungsten Alloy (UNS N06674) Seamless Pipe and Tube

General Industry Pipe Specifications

General Industry PIPE (Stainless Steel, Alloys, Non-ferrous)

ASTM B517

Standard Specification for Welded Nickel-Chromium-Iron-Alloy (UNS N06600, UNS N06603, UNS N06025, and UNS N06045) Pipe

ASTM B464

Standard Specification for Welded UNS N08020 Alloy Pipe

ASTM B619

Standard Specification for Welded Nickel and Nickel-Cobalt Alloy Pipe (includes, but not limited to: C276)

ASTM B729

Standard Specification for Seamless UNS N08020, UNS N08026, and UNS N08024 Nickel-Alloy Pipe and Tube

ASTM B725

Standard Specification for Welded Nickel (UNS N02200/UNS N02201) and Nickel Copper Alloy (UNS N04400) Pipe

ASTM B861

Standard Specification for Titanium and Titanium Alloy Seamless Pipe

ASTM B862

Standard Specification for Titanium and Titanium Alloy Welded Pipe

General Industry Tubing Specifications

General Industry TUBE (Stainless Steel, Alloys, Non-ferrous)

ASTM A269

Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service

ASTM A213/A213M

Standard Specification for Seamless Ferritic and Austenitic Alloy-Steel Boiler, Superheater, and Heat-Exchanger Tubes

ASTM B163

Standard Specification for Seamless Nickel and Nickel Alloy Condenser and Heat-Exchanger Tubes (includes, but not limited to: 200/201, 400, 600, 800, 825)

ASTM A789/A789M

Standard Specification for Seamless and Welded Ferritic/Austenitic Stainless Steel Tubing for General Service (duplex)

ASTM A516

Standard Specification for Welded Nickel-Chromium-Iron Alloy (UNS N06600, UNS N06603, UNS N06025, and UNS N06045 Tubes)

ASTM B241

Standard Specification for Aluminum and Aluminum-Alloy Seamless Pipe and Seamless Extruded Tube

Downhole Product Specifications

Oil Country Tubular Goods (OCTG)

Downhole Products
(Carbon Steel & Alloy)

API 5CT Tubing & Casing

This standard specifies the technical delivery conditions for steel pipes (casing, tubing, and pup joints), coupling stock, coupling material, and accessory material.