

STAINLESS STEEL MATERIAL STANDARDS

Selected EN and ASTM Documents

Stainless steel – referenced standards for flat products (chemical compositions, product tolerances, typical properties)
EN 10029 Hot rolled steel plates. Tolerances
EN 10051 Hot rolled steel strip. Tolerances
EN 10088-1 Stainless steels. – List of stainless steels
EN ISO 9445 Cold rolled stainless narrow strip, wide strip, plate/sheet and cut lengths. Tolerances
ASTM A480 General requirements for flat-rolled stainless and heat resisting steel (+ASME SA480)
ASTM A959 Harmonized standard grade compositions for wrought stainless
ASME IID Materials – Physical properties tables
Flat (and long) products
EN 10028-7 Flat products for pressure purposes. – Stainless steels
EN 10088-2 Stainless steels. – Sheet/plate and strip for general purposes
EN 10095 Heat resisting steels and nickel alloys
EN 10151 Stainless steel strip for springs
EN 10302 Creep resisting steels, nickel and cobalt alloys
ASTM A167 Stainless and heat-resisting Cr-Ni steel plate, sheet and strip
ASTM A176 Stainless and heat-resisting Cr steel plate, sheet and strip
ASTM A240 Heat-resisting Cr and Cr-Ni stainless steel plate, sheet and strip for pressure vessels (+ASME SA240)
ASTM A666 Austenitic stainless steel sheet, strip, plate, bar for structural and architectural applications (+ASME SA666)
ASME IIA Materials. Part A – Ferrous Material Specifications
Long products
EN 10058 Hot rolled flat steel bars. Tolerances
EN 10060 Hot rolled round steel bars. Tolerances
EN 10088-3 Stainless steels. – Semi-finished products, bars, rods, sections for general purposes
EN 10263-5 Steel rod, bars and wire for cold heading and extrusion. – Stainless steel
EN 10270-3 Steel wire for springs. – Stainless steels
EN 10269 Steels and nickel alloys for fasteners with specified properties at elevated or low temperatures
EN 10272 Stainless steel bars for pressure purposes
ASTM A193 Alloy and stainless steel bolting material for high-temperature service
ASTM A276 Stainless and heat-resisting steel bars and shapes
ASTM A479 Stainless steel bars for boilers/pressure vessels (+ASME SA479)
ASTM A484 General requirements for stainless and heat-resisting steel bars, billets, forgings (+ASME SA484)
ASTM A493 Stainless and heat-resisting steel rod and wire for cold heading and forging
ASTM A555 General requirements for stainless and heat resistant steel wire and wire rod
ASTM A580 Stainless and heat-resisting steel wire
Tube and Pipe
EN 10217-7 Welded steel tubes for pressure purposes. – Stainless steels
EN 10296-2 Welded steel tubes for mechanical and general engineering purposes. – Stainless steels
ASTM A249 Welded austenitic steel boiler, superheater, heat exchanger and condenser tubes
ASTM A269 Seamless and welded austenitic stainless steel tubing for general service
ASTM A270 Seamless and welded austenitic and duplex stainless steel sanitary tubing
ASTM A789 Seamless and welded duplex stainless steel tubing for general service
ASTM A790 Seamless and welded duplex stainless steel pipe
ASTM A928 Duplex stainless steel pipe electric fusion welded with addition of filler metal