

## USA and EU standards

ASTM ASME ANSI standards	Title
ANSI B1.20.1	Pipe threads general purposes (INCH)
ANSI B16.9	Factory -made wrought steel butt welding fittings
ASME B16-5	Pipe Flanges and Flanged Fittings NPS 1/2 through NPS 24
ASME B16-11	Forged Steel Fittings, Socket- Welding and Threaded
ASME B16.34	Valves-flanged, threaded, and welding end
ASME B16.47	Large Diameter Steel Flanges: NPS 26 Through NPS 60
ASTM A 213	Standard Specification for Seamless Ferritic and Austenitic Alloy-Steel Boiler, Super heater, and Heat-Exchanger Tubes
ASTM A 269	Seamless and selded Austenitic stainless steel tubing for general service
ASTM A 312	Standard Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes
ASTM A 450	Standard Specification for General Requirements for Carbon, Ferritic Alloy, and Austenitic Alloy Steel Tubes
ASTM A 778	Seamless and welded Austeniti c stainless steel tubing for general service
ASTM A 999	Standard Specification for General Requirements for Alloy and Stainless Steel Pipe

European standards	Title
EN 10216-5	Seamless steel tubes for pressure purposes - Technical delivery conditions - Part 5: Stainless steel tubes
EN 10217-7	Welded steel tubes for pressure purposes - Technical delivery conditions - Part 7: Stainless steel tubes
EN 10028-1	Flat products made of steels for pressure purposes - Part 1: General requirements
EN 10028-1-A1	Modification sheets Flat produc ts made of steels for pressure purposes - Part 1: General requirements
EN 10028-7	Flat products made of steels for pressure purposes - Part 7: Stainless steels
EN 10056-1	Structural steel equal and unequal leg angles - Part 1: Dimensions
EN 10056-2	Structural steel equal and unequal leg angles. Part 2: Tolerances on shape and dimensions
EN 10058	Hot rolled flat steel bars for general purposes - Dimensions and tolerances on shape and dimensions
EN 10056-1	Structural steel equal and unequal leg angles - Part 1: Dimensions
EN 10056-2	Structural steel equal and unequal leg angles. Part 2: Tolerances on shape and dimensions
EN 10058	Hot rolled flat steel bars for general purposes - Dimensions and tolerances on shape and dimensions
EN 10088-1	Stainless steels - Part 1: List of stainless steels
EN 10088-2	Stainless steels - Part 2: Technical delivery conditions for sheet/plate and strip of corrosion resisting steels for general purposes
EN 10088-3	Stainless steels - Part 3: Technical delivery conditions for semi finished products, bars, rods, wire, sections and bright products of corrosion resisting steels for general and construction purposes
EN 1092-1	Flanges and their joints - Circular flanges for pipes, valves, fittings and accessories, PN designated - Part 1: Steel flanges

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European standards	Title
EN 12516-1	Industrial valves - Shell design strength - Part 1: Tabulation method for steel valve shells
EN 12516-2	Industrial valves - Shell design strength - Part 2: Calculation method for steel valve shells
EN 12516-3	Valves - Shell design strength - Part 3: Experimental method
EN 12982	Industrial valves - End-to-end and centre-to-end dimensions for butt welding end valves
EN 558-1	Industrial valves - Face-to-face and centre-to-face dimensions of metal valves for use in flanged pipe systems - Part 1: PN-designated valves
EN 558-2	Industrial valves - Face-to-face and centre-to-face dimensions of metal valves for use in flanged pipe systems - Part 2: Class-designated valves
EN 1503-1	Valves - Materials for bodies, bonnets and covers - Part 1: Steels specified in European Standards
EN 1503-2	Valves - Materials for bodies, bonnets and covers - Part 2: Steels other than those specified in European Standards
EN 10222-5	Steel forgings for pressure purposes - Part 5: Martensitic, austenitic and austenitic-ferritic stainless steels
EN 10222-5-C1	Amendme nt. Steel forgings for pressure purposes - Part 5: Martensitic, austenitic and austenitic-ferritic stainless steels
EN 10213-4	Technical delivery conditions for steel casting s for pressure purposes - Part 4: Austenitic and austenitic-ferritic steel grades
EN 10253-3 pr	Butt-welding pipe fittings - Part 3: Wrought austenitic and austenitic-ferritic (duplex) stainless steels without specific inspection requirements
EN 10253-4	Butt-welding pipe fittings - Part 4: Wrought austenitic and austenitic-ferritic (duplex) stainless steels with specific inspection requirements
EN 10272	Stainless steel bars for pressure purposes
EN 10278	Dimensions and tolerances of bright steel products
EN 10279	Hot rolled steel channels - Tolerances on shape, dimensions and mass
EN 10296-2	Welded circular steel tubes for mechanical and general engineering purposes - Technical delivery conditions - Part 2: Stainless steel
EN 10297-2	Seamless steel tubes for mechanical and general engineering purposes - Technical delivery conditions - Part 2: Stainless steel
EN 10305-1	Steel tubes for precision applications - Technical delivery conditions.Part 1: Seamless cold drawn tubes
EN 10305-2	Steel tubes for precision applications - Technical delivery conditions. Part 2: Welded cold drawn tubes
EN 10305-5	Steel tubes for precision applications - Technical delivery conditions. Part 5: Welded and cold sized square and rectangular tubes
ISO-7-1	Pipe threads where pressure tight joints are made on the threads - Part 1: Taper external threads and parallel internal threads - Dimensions, tolerances and designation
ISO228-1	Pipe threads where pressure tight joints are not made on the threads - Part 1: Taper external threads and parallel internal threads - Dimensions, tolerances and designation
EN 10204	Metallic products - Types of inspection documents