

Description

Type 316 is a molybdenum steel possessing improved resistance to pitting by solutions containing chlorides and other halides. In addition, it provides excellent tensile, creep and stress-rupture strengths at elevated temperatures. Type 316 is available in low carbon (316L) and high carbon (316H) alloys.

Product Capabilities

Form Name	Size Range	Schedules	Specifications
Welded Pipe	1/2"-36"	10S, 40S, 80S	ASTM A312 / ASME A312
Seamless Pipe	1/2"-36"	10S, 40S, 80S	ASTM A312 / ASME A312
Buttweld Fittings	1/2"-36"	10S, 40S, 80S, 160	ASTM A403 / ASME A403
Flanges	1/2"-36"	10S, 40S, 80S	ASTM A182 / ASME A182
Pressure Fittings	1/8"-4"	3000#, 6000#, 9000#	ASTM A182 / ASME A182

Limiting Chemical Composition %

C	Cr	Mn	Mo	Ni	P	S	Si
0.04-0.10	16.0-18.0	MAX 2.0	2.0-3.0	10.0-14.0	MAX 0.045	MAX 0.030	MAX 0.75

Typical Industrial Applications

- Food processing equipment
- Laboratory equipment
- Architectural panelling, railings & trim
- Boat fittings
- Chemical containers
- Heat exchangers
- Screens for mining, quarrying & water filtration
- Threaded fasteners
- Springs

Tensile Requirements

Tensile Strength (ksi)	Yield Strength (ksi)
75	30