

Description

317L is a molybdenum bearing, low carbon content "L" grade austenitic stainless steel that provides improved corrosion resistance over 304L and 316L stainless steels. The low carbon provides resistance to sensitization during welding and other thermal processes. 317L has excellent corrosion resistance in a wide range of chemicals, especially in acidic chloride environments.

Product Capabilities

Form Name	Size Range	Schedules	Specifications
Welded Pipe	1/2"-36"	10S, 40S	ASTM A312 / ASME SA312
Seamless Pipe	1/2"-36"	10S, 40S, 80S, 160	ASTM A312 / ASME SA312
Buttweld Fittings	1/2"-36"	10S, 40S, 80S	ASTM A403 / ASME SA403
Flanges	1/2"-36"	150#, 300#	ASTM A182 / ASME SA182
Pressure Fittings	1/2"-2"	3000# THRD/SW	ASTM A182 / ASME SA182

Limiting Chemical Composition %

C	Cr	Mn	Mo	Ni	P	S	Si
MAX 0.035	18.0-20.0	MAX 2.0	3.0-4.0	11.0-15.0	MAX 0.04	MAX 0.03	MAX 0.75

Typical Industrial Applications

- Flue gas desulfurization scrubber systems
- Chemical and petro-chemical processing
- Pulp and paper plants
- Food processing equipment
- Textile equipment

Tensile Requirements

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