

Professional stainless steel manufacturer-GNEE

317L STAINLESS STEEL

UNS S31703

Forms of 317L Stainless Steel Available

- Sheet
- Plate
- Bar
- Pipe & Tube (welded & seamless)
- Fittings (i.e. flanges, slip-ons, blinds, weld-necks, lapjoints, long welding necks, socket welds, elbows, tees, stub-ends, returns, caps, crosses, reducers, and pipe nipples)
- Welding Wire and Welding Electrode

317L Stainless Steel Overview

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.

Chemical Composition, %

Ni	Cr	Mo	Mn	Si
11.0 - 15.0	18.0 - 20.0	3.0 - 4.0	2.0 Max	.75 Max
C	N	S	P	Fe
0.03 Max	0.1 Max	0.03 Max	0.045 Max	Balance

ASTM Specifications

Pipe Smls	Pipe Welded	Tube Smls	Tube Welded	Sheet/Plate	Bar	Forging	Fitting
A312	A312	A213 A269	A269 A249	A240	A276 A484 A479	A182	A403

Mechanical Properties

Grade	Ultimate Tensile Strength, ksi		0.2% Offset Yield Strength, ksi		Elongation in 2"		Hardness, Rockwell B	
	Value	ASTM	Value	ASTM	Value	ASTM	Value	ASTM
317L	89	75 min	46	30 min	53	40 min	80	95 max

317L Stainless Steel Pipe

PIPE:



Outer diameter

Round pipe: 4mm-200mm

Square pipe: 10*10mm-100*100mm

Rectangular pipe: 10*20mm-50*100mm

Wall thickness: 0.6mm-6.0mm

Length: 1-6 meters, length can be customized

Standard: ASTM / AISI / JIS / GB / DIN / EN

Surface: black, bright polishing, rough turning, matte surface treatment, NO.4, BA, etc.

Certificate: ISO / SGS / BV

Production technology: hot rolling / cold rolling

100% PMI TESTED

EN10204.3.1B MILL TEST CERTIFICATE

THIRD PARTY INSPECTION ACCEPTED

With plastic caps to both ends, Wrapped with Poly bags, pack into bundles. Or pack into plywood boxes as required.

Stainless steel plate



Thickness: 0.3mm-200mm

Length: 2000mm / 2438mm / 3000mm / 5800mm / 6000mm / 12000mm, etc.

Width: 40mm-600mm / 1000mm / 1219mm / 1500mm / 1800mm / 2000mm / 2500mm / 3000mm / 3500mm, etc.

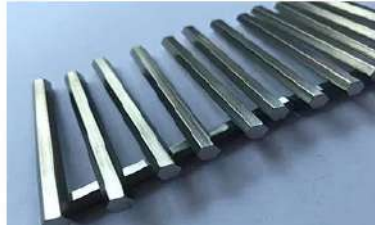
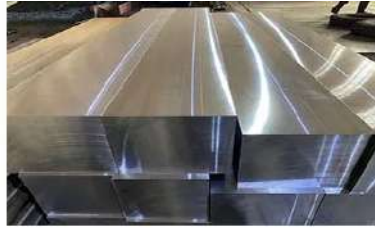
Standard: ASTM / AISI / JIS / GB / DIN / EN

Surface: BA / 2B / NO.1 / NO.4 / 4K / HL / 8K, etc.

Certificate: ISO / SGS / BV

Production technology: hot rolling / cold rolling

Stainless steel profiles and bars



Outer diameter

Round bar: 4mm-500mm

Hexagonal bar: 18mm-57mm (11/16" to 2-3/4")

Square bar: 18mm-47mm (11/16" to 1-3/4")

Flat bar: 1/2" to 10", Thickness: 2mm-150mm, customizable

Length: 1-6 meters, customizable

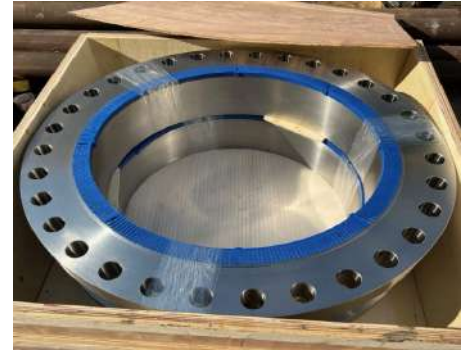
Standard: ASTM / AISI / JIS / GB / DIN / EN

Surface: black, bright polished, rough turned, matte surface treatment, NO.4, BA, etc.

Certificate: ISO / SGS / BV

Production technology: hot rolling / cold rolling

Flange:



Flange & Forgings

Specifications: 1/2" (15NB) to 48" (1200NB).

Strength level: 900~1600MPa or above.

Working temperature: -250~1300°C.

Coating/surface treatment: oil black paint, anti-rust paint, yellow transparent, hot and cold galvanizing, galvanizing.

Pressure level: 150.300.400.600.900.1500.2500.PN6.PN10.PN16,PN25,PN40,PN64, etc.

Elbow, Reducer, Cap, Tee, stub Ends

