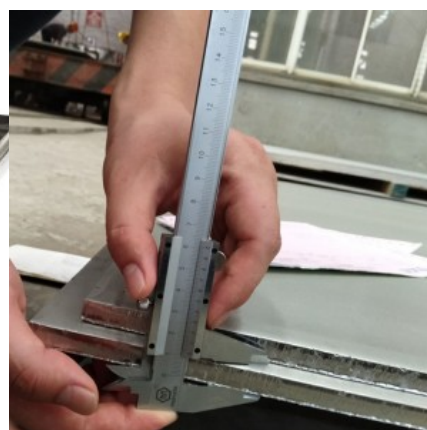
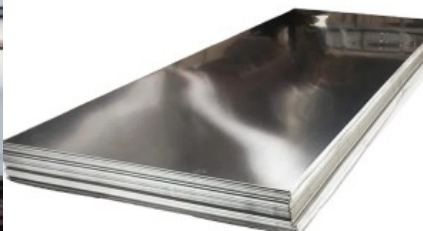
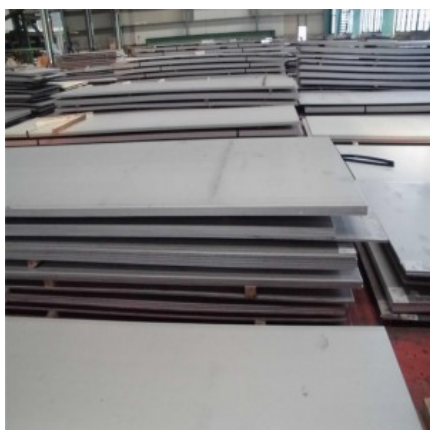


## Stainless steel plate



### 310/ 310S stainless steel sheet

310 stainless steel austenitic chromium nickel stainless steel has good oxidation resistance, corrosion resistance, because the higher percentage of chromium and nickel, 310 has much better creep strength, can continuously work under high temperature, good heat resistance.

310S stainless steel is austenitic chromium nickel stainless steel, has a good 310S stainless steel oxidation resistance, resistance Corrosive.

The differences of chemical composition for 310/310S stainless steel

Grade	C(%)	Si(%)	Mn(%)	P (%)	S(%)	Cr(%)	Ni(%)	N(%)	Cu(%)
310	≤ 0.25	≤ 1.0	≤ 2.0	≤ 0.03	---	24.0-26.0	19.0-22.0	---	---
310S	≤ 0.08	≤ 1.0	≤ 2.0	≤ 0.03	≤ 0.03	24.0-26.0	19.0-22.0	---	---

The differences of Mechanical property for 310/310S stainless steel

Grade	tensile strengthMpa	Yield StrengthMpa	Elongation(%)	rate of reduction in area(%)	Density(g/cm3)
310	≥ 470	≥ 17	≥ 40	≥ 50	7.98
310S	≥ 520	≥ 205	≥ 40	≥ 50	7.98

### 304/ 304L/ 304H stainless sheet

About 304 material:304 stainless steel is a common stainless steel material, the density of 7.93 g/cm<sup>3</sup>,

the industry is also called 18/8 stainless steel. High temperature resistance of 800 degrees, with good processing performance, high toughness characteristics, widely used in industrial and furniture decoration industry and food industry.

About 304L material: 304L steel as a low C in the general state, its corrosion resistance and 304 similar, but after welding or stress after its excellent corrosion resistance to the grain boundary. In the case without heat treatment, can remain good corrosion resistance, generally use 400 or less (non-magnetic, temperature -196 degrees Celsius to 800 degrees Celsius). Widely used to produce good overall performance requirements (corrosion resistance and formability) of equipment and parts.

About 304H material: 304H is a kind of stainless steel, with good bending, welding process performance, corrosion resistance, high durability and organizational stability, cold deformation ability is very good. The highest temperature can reach 650 DEG C, and the oxidation resistance is up to 850 DEG C

The differences of Chemical composition for 304 304L 304H

Grade	C(%)	Si(%)	Mn(%)	P(%)	S(%)	Cr(%)	Ni(%)	N(%)
304	≤ 0.08	≤ 0.75	≤ 2.0	≤ 0.045	≤ 0.03	18.0-20.0	8.0-10.5	≤ 0.1
304L	≤ 0.03	≤ 0.75	≤ 2.0	≤ 0.045	≤ 0.03	18.0-20.0	8.0-12.0	≤ 0.1
304H	0.04-1.0	≤ 0.75	≤ 2.0	≤ 0.045	≤ 0.03	18.0-20.0	8.0-10.5	----

The differences of Mechanical property for 304 304L 304H

Grade	tensile strength(Mpa)	Yield Strength(Mpa)	Elongation(%)	Hardness(HR)
304	≥ 515	≥ 205	≥ 40	≥ 92
304L	≥ 485	≥ 170	≥ 40	≥ 92
304H	≥ 515	≥ 205	≥ 40	≥ 92

### 316/ 316L stainless steel sheet

About 316 material: 316 stainless steel by adding Mo element, the corrosion resistance, and high temperature strength has greatly improved, high temperature can reach 1200-1300 degrees, can be used in severe conditions. Corrosion resistance is better than 304 stainless steel, in pulp and paper production process has good corrosion resistance. And 316 stainless steel is also resistant to erosion of marine and corrosive industrial atmosphere.

About 316L material: 316L stainless steel has a carbon content of less than 316, which is commonly used in pulp and paper equipment heat exchangers, dyeing equipment, film washing equipment, pipelines, coastal areas outside the building materials. Corrosion resistance is better than 316 material.

The differences of chemical composition for 316 316L stainless steel

Grade	C(%)	Si(%)	Mn(%)	P(%)	S(%)	Cr(%)	Ni(%)	Mo(%)	Cu(%)
316	≤ 0.08	≤ 1.0	≤ 2.0	≤ 0.045	≤ 0.03	16.0-18.0	10.0-14.0	2.0-3.0	
316L	≤ 0.03	≤ 1.0	≤ 2.0	≤ 0.045	≤ 0.03	16.0-18.0	10.0-14.0	2.0-3.0	

The differences of Mechanical property for 316 316L stainless steel

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Grade	tensile strengthMpa	Yield StrengthMpa	Elongation(%)	rate of reduction in area(%)	Density(g/cm3)
316	≥ 520	≥ 205	≥ 40	≥ 60	7.98
316L	≥ 480	≥ 177	≥ 40	≥ 60	7.98

#### 430 stainless steel sheet

430 stainless steel is a good corrosion resistance of common steel, thermal performance than austenitic good, thermal expansion coefficient than austenitic small, heat fatigue, add stabilization element titanium, weld parts mechanical performance is good.

430 stainless steel used in architectural use, fuel burner parts, household appliances, home appliance parts.

#### Chemical composition for 430 stainless steel

Grade	C(%)	Mn(%)	Si(%)	P(%)	S(%)	Cr(%)	Ni(%)	Mo(%)	Cu(%)
430	≤ 0.12	≤ 1.0	≤ 0.75	≤ 0.04	≤ 0.03	16.0-18.0	≤ 0.06	---	---

#### Mechanical property for 430 stainless steel

Grade	tensile strengthMpa	Yield StrengthMpa	Elongation(%)	rate of reduction in area(%)	Density(g/cm3)
430	≥ 450	≥ 205	≥ 22	---	7.75

Product link : <https://www.hnssd.com/stainless-steel-plate.html>