

Stainless Steel 310/310S

UNS S31000 / UNS S31008

Characteristics.

- It belongs to the group of austenitic stainless steels.
- Heat resistant alloy and to oxidation under conditions of 2000 ° F
- It contains high levels of chromium and nickel that allow resistance superior to common austenitic (Type 304) corrosion.
- Is often used at cryogenic temperatures with excellent toughness - 450F ° and low magnetic permeability.
- Applications is alloy: furnaces, heat exchangers, steam boilers, pipe hangers for oil, conveyor belts, rollers, linings, ventilators, equipment for the food industry, etc.

Shape or Presentation

- Sheet
- Plate
- Bar
- Tube
- Tubing
- Accessories
- Wire

** As you can see below, the degree 310S is a version of low carbon content. 310S is less prone to embrittlement and sensitization in service.

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Chemical Composition 310%

Cr	Ni	C	Si	Mn
24.0 – 26.0	19.2 – 22.0	0.25 max	1.50 max	2.00 max
P	S	Mo	Cu	Fr
0.045 max	0.03 max	0.75 max	0.50 max	Balance

Chemical Composition 310S%

Cr	Ni	C	Si	Mn
24.0 – 26.0	19.2 – 22.0	0.08 max	1.50 max	2.00 max
P	S	Mo	Cu	Fr
0.045 max	0.03 max	0.75 max	0.50 max	Balance