SPECIALTY MT

INCOLOY 800H /800HT

UNS N08810/N08811

Characteristics.

- It is known by other common names: Alloy 800, Alloy 800H / HT, Incoloy 800, 800H or 800HT.
- Alloy nickel, iron and chromium.
- Great strength at high temperature.
- Excellent resistance to oxidation and carburization at high temperatures.
- Good strength at break sliding.
- These alloy steels are identical except for the high carbon content in the alloy 800H and adding 1.2% aluminum and titanium alloy 800HT.
- Resistant to stress cracking corrosion.
- Good resistance in atmospheres containing sulfur.
- Can be used in chemical and petrochemical processing, boilers, hydrocarbon cracking, industrial furnaces, nuclear power plants, pulp and paper, heat treatment equipment, pressure vessels, heat exchangers, etc.

Shape or Presentation

- Print
- Plate
- Bar
- Tube
- Tubing
- Connections
- Wire

Alloy 800 (UNS N08800) Chemical Composition, %

Ni	Cr	Fe	C
30.0 – 35.0	19.0 – 23.0	39.5 min	0.10 max
Al	**Ti**	**Al + Ti**	
0.15 – 0.60	0.15 – 0.60	0.30 – 1.20	

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Alloy 800HT (UNS N08810) Chemical Composition, %

Ni	Cr	Fe	C
30.0 – 35.0	19.0 – 23.0	39.5 min	0.06 – 0.10
Al	**Ti**	**Al + Ti**	
0.25 – 0.60	0.25 – 0.60	0.85 – 1.2	

Alloy 800HT (UNS N08811) Chemical Composition, %

Ni	Cr	Fe	C
30.0 – 35.0	19.0 – 23.0	39.5 min	0.05 – 0.10
Al	**Ti**	**Al + Ti**	
0.15 – 0.60	0.15 – 0.60	0.30 – 1.20	