



ZHEHENG STEEL

Wenzhou Zheheng Steel Industry Co.,Ltd  
stainless-steelseamlesspipe.com

## incoloy alloy Nickel Alloy Pipe

Our Product Introduction

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### Basic Information

- Place of Origin: CHINA
- Brand Name: zheheng
- Certification: ISO9001 PED
- Model Number: 19mm
- Minimum Order Quantity: Negotiable
- Price: Negotiable
- Packaging Details: In bundles with waterproof material, or wooden crate packing
- Delivery Time: 30 DAYS
- Payment Terms: L/C, T/T, D/A, D/P
- Supply Ability: 50TONS/30DAYS



### Product Specification

- Material: Incoloy Alloy ,nickel Alloy
- Standard: ASTM B167,b622
- Type: Seamless And Welded
- Technique: Cold Drawing Or ERW
- Application: Aerospace,aircraft
- Steel Grade: 800 / Alloy 800h / Alloy 800ht
- Highlight: incoloy 800 tube, alloy 625 tubing



### More Images



## Product Description

### Nickel tubes incoloy alloy pipes and fittings 800 / alloy 800h / alloy 800ht properties and composition comparision

zheheng steel produce and supply nickel alloy ,incoloy alloy tubes,alloy 800,alloy 800h,alloy 800ht tubes and alloy pipe fittings ,like elbow, reudcer ,tee, pipe flange and other steel grade Nickel : Nickel 200,201

Ni-cu alloy : alloy 400,

Ni-Cr-Fe alloy: alloy 600, 690, 020,028.

Ni-Cr-Mo alloy: alloy 625, C-4, C-22, C-2000, G-30, G-35.

Ni-Fe-Cr alloy: alloy 800, 800H, 800HT, 825.

Ni-Mo alloy: alloy B-2, B-3.

Ni-Mo-Cr alloy: alloy C-276.

#### classification:

##### The nickel base wear-resistant alloy.

The main alloy elements are chromium, molybdenum and tungsten, as well as a small amount of niobium, tantalum and indium. In addition to wear resistance, its oxidation resistance, corrosion resistance, welding performance. Wear-resistant parts can also be made as cladding materials and coated with other matrix materials by surfacing and spraying process.

##### Nickel base precision alloy.

Including nickel-based soft magnetic alloy, nickel base precision resistance alloy and nickel base electrothermal alloy. The most commonly used soft magnetic alloy is a permalloy containing about 80% nickel. Its maximum magnetic conductivity and initial magnetic conductivity are high, and the coercivity is low, which is an important core material in the electronics industry. Nickel-based precision are the main alloying element resistance alloy chromium, aluminum, copper, the alloy with high resistivity, low temperature coefficient of resistivity and good corrosion resistance, used to make the resistor. Nickel-based alloy electrical is 20% chromium nickel alloy, has good oxidation resistance, corrosion resistance, and can be used in 1000 ~ 1100 temperature for a long time.

##### The nickel base shape memory alloy.

Nickel alloy containing 50 (at)%. The response temperature is 70 , shape memory effect is good. A small change in the proportion of nickel-titanium components can change the temperature of the recovery from 30 ~ 70 degrees. It is used for the automatic opening structural parts used in the spacecraft, the self-excitation fasteners used in the aerospace industry, the artificial heart motor used in biomedicine, etc.

#### Chemical composition:

Alloy	%	Ni	Cr	Fe	C	Mn	Si	Cu	S	Al	Ti
800	Min	30	19	39.5						0.15	0.15
	Max	35	23		0.1	1.5	1.0	0.75	0.015	0.6	0.6
800H	Min	30	19	39.5	0.05					0.15	0.15
	Max	35	23		0.1	1.5	1.0	0.75	0.015	0.6	0.6
800HT	Min	30	19	39.5	0.06					0.15	0.15
	Max	35	23		0.1	1.5	1.0	0.75	0.015	0.6	0.6
		Al+Ti: 0.85-1.20									

#### Physical properties

Density	8.0 g/cm³
Melting point	1350-1400

#### Minimum mechanical properties in the room temperature

Alloy	Tensile strength Rm N/mm²	Yield strength R P 0.2 N/mm²	Elongation A 5 %
800	500	210	35
800H	450	180	35

#### product show:



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