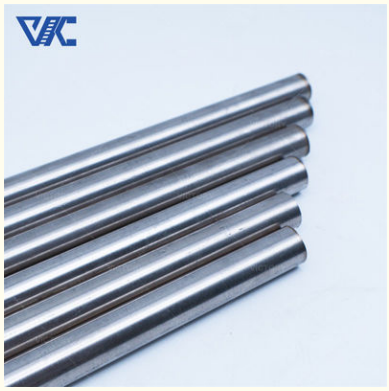
High Chemical Stability Nickel 200 201 Ni-Alloy Steel Bar Used In Chemical Industry

Our Product Introduction

Basic Information

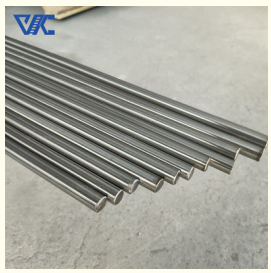
- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- Model Number: Ni200 Ni201
- Minimum Order Quantity: 5 Kg
- Price: Negotiable
- Packaging Details: Plastic film or waterproof woven bag inside, wire packed in spool put into carton,coil wire or strip wire put into wooden case
- Delivery Time: 7 to 20 Days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month



Product Specification

- Name: Pure Nickel Bar
- Grade Type: N4, N6, Ni200, Ni201
- Material: Ni
- Ni(min): 99%
- Melting Point: 1435-1446°C
- Elongation (≥ %): 35%
- Ultimate Strength (≥ MPa): 462 MPa
- Application: Chemical Reactor
- Density(g/cm3): 8.89 G/cm³
- Surface: Bright,Oxided
- Advantage: Corrosion-resistant,Good Strength
- Highlight: **High Chemical Ni Alloy Steel Bar**,

More Images



Product Description

Product Description:

Pure nickel rod is one of the important materials commonly used in the chemical industry. It is made of high-purity nickel material with excellent chemical stability and corrosion resistance.

The process of chemical industry often involves various corrosive media and chemical reaction conditions, which requires extremely high corrosion resistance of materials. Pure nickel rods can exhibit excellent corrosion resistance in acids, alkalis, salt solutions and other corrosive media. It is not easily affected by corrosion and oxidation, and can work stably for a long time to ensure the normal progress of chemical processes.

Pure nickel rod also has good mechanical properties, including strength and toughness. This enables it to withstand the mechanical stresses and loads found in the chemical industry, making it suitable for the manufacture of critical components for vessels, pipes, valves and other equipment.

In addition, pure nickel rods also have good thermal conductivity and stable electrical properties, and can provide good thermal control and electrical conductivity during chemical reactions. This is very important for the control and implementation of certain chemical reactions.

Pure nickel rods are widely used in various fields in the chemical industry, including chemical equipment manufacturing, petrochemical industry, chemical processing, etc. Its excellent corrosion resistance and stability make the production process of the chemical industry more reliable and safe, and can improve production efficiency.

Features:

Good corrosion resistance: Pure nickel rods have good corrosion resistance to many chemicals and can operate stably for a long time in acidic, alkaline and oxidizing environments.
Excellent high temperature resistance: Pure nickel rods have excellent high temperature stability and can withstand the requirements during high temperature chemical reactions and processing.
Anti-oxidation performance: Pure nickel rods can resist oxidation reactions, maintain stable chemical properties, and are suitable for applications in high-temperature atmospheres and oxidizing environments.

Parameter:

Technical Parameters:

Grade	Chemical Composition(%)								
	Ni+Co	Cu	Si	Mn	C	Mg	S	P	Fe
N4/201	99.9	≤0.015	≤0.03	≤0.002	≤0.01	≤0.01	≤0.001	≤0.001	≤0.04
N6/200	99.5	0.1	0.1	0.05	0.1	0.1	0.005	0.002	0.1

Physical Data:

Density	8.89g/cm3
Specific Heat	0.109(456 J/kg.℃)
Electrical Resistivity	0.096×10-6ohm.m
Melting Point	1435-1446℃
Thermal Conductivity	70.2 W/m-K
Mean Coeff Thermal Expansion	13.3×10-6m/m.℃

Typical Mechanical Properties:

Mechanical Properties	Nickel 200
Tensile Strength	462 Mpa
Yield Strength	148 Mpa
Elongation	47%

Our Production Standard:

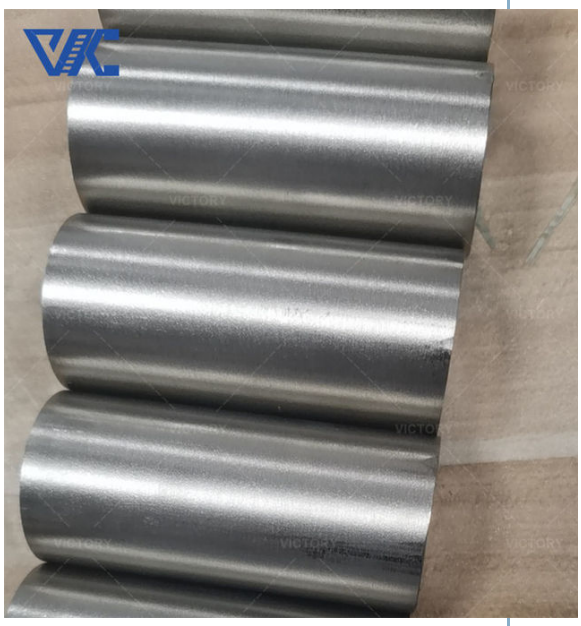
	Bar	Forging	Pipe	Sheet/Strip	Wire
ASTM	ASTM B160	ASTM B564	ASTM B161/B163/B725/B751	AMS B162	ASTM B166

For more details, pls directly contact us.

contact us
email:victory@dlx-alloy.com
Oem service:
Welcome customized size
We are experience factory for OEM&ODM service

Specific applications:

Chemical Reactor: Pure nickel rods are often used to make lining materials for chemical reactors to withstand corrosive substances and high-temperature environments during chemical reactions.
Catalyst: Pure nickel rods can be used as catalyst carriers to play a catalytic role in chemical reactions and promote chemical reactions.
Corrosion protection: Pure nickel rods can be used to make corrosion protection equipment, such as pipes, valves and containers, to prevent chemical corrosion of equipment.



FAQ:

What are the main advantages of pure nickel rods in the chemical industry?
The main advantage of pure nickel rods in the chemical industry is its good corrosion resistance and high temperature resistance. The chemical industry often involves various corrosive substances and high-temperature environments, and pure nickel rods can maintain stability under these harsh conditions, providing reliable corrosion-resistant and high-temperature resistant solutions.

What are the applications of pure nickel rods in chemical reactors?
Pure nickel rods are often used as lining materials for chemical reactors. Due to its good corrosion resistance and high temperature stability, pure nickel rods can withstand corrosive substances and high temperature environments during chemical reactions, protecting the structure of the reactor and extending its service life.

What are the advantages of pure nickel rods as catalyst carriers?
Pure nickel rods have several advantages as catalyst supports. First of all, pure nickel rods have good corrosion resistance and high temperature stability, and can withstand harsh chemical environments and high temperature conditions during the catalytic reaction process. Secondly, pure nickel rods have excellent thermal conductivity, which helps to evenly distribute the heat of the catalyst and improve the efficiency of the catalytic reaction. In addition, pure nickel rods have high mechanical

strength, providing stable catalyst support and long service life.

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