



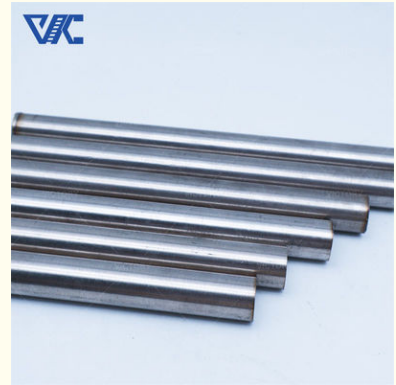
## High Purity 2mm Ni200 Ni201 Pure Nickel Bar For Energy Industry

Our Product Introduction

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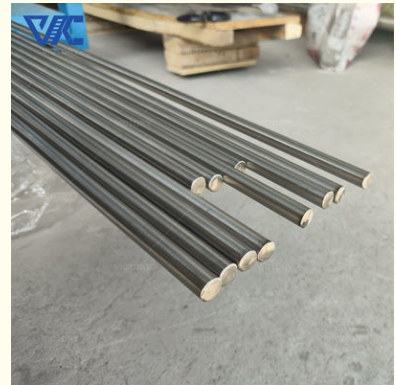
### Basic Information

- 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

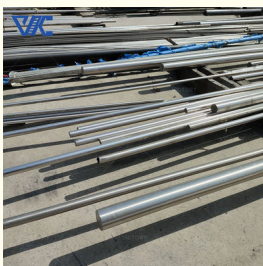


### Product Specification

- 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: Energy Storage Equipment, Gas Turbines
- Density(g/cm<sup>3</sup>): 8.89 G/cm<sup>3</sup>
- Surface: Bright,Oxided
- Advantage: Corrosion-resistant,Good Strength
- Highlight: High Purity Ni201 Pure Nickel Bar,



### More Images



## Product Description

### Product Description:

Pure nickel rod is one of the key materials widely used in the energy industry. It is made of high-purity nickel for excellent performance and stability.

Pure nickel rods have excellent corrosion resistance and can work stably in various harsh environments. It can resist the erosion of acid and alkali solutions, high temperature oxidation and corrosion, so it is widely used in chemical equipment, flue gas purification systems and gas treatment devices in the energy industry.

In addition, pure nickel rods also have good high-temperature properties. It can maintain stable performance in high temperature environments and is not prone to deformation and melting. This makes pure nickel rod ideal for high temperature applications such as gas turbines, power generation boilers and nuclear energy equipment.

Pure nickel rod also has good mechanical properties, including high strength and good toughness. This enables it to withstand the mechanical stresses and loads found in the energy industry, making it suitable for the manufacture of critical components such as pipelines, connections and transmission components.

### Features:

**High temperature resistance:** Pure nickel rods have excellent high temperature stability and can maintain structural integrity and performance in high temperature environments.

**Good corrosion resistance:** Pure nickel rods have good corrosion resistance to many corrosive media and are suitable for corrosive environments in various energy industries.

**Excellent electrical and thermal conductivity:** Pure nickel rods have good electrical and thermal conductivity, which contributes to efficient operation and heat transfer of energy equipment.

### 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.°C)
Electrical Resistivity	0.096×10 <sup>-6</sup> ohm.m
Melting Point	1435-1446°C
Thermal Conductivity	70.2 W/m-K
Mean Coeff Thermal Expansion	13.3×10 <sup>-6</sup> m/m.°C

#### 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](mailto:victory@dlx-alloy.com)

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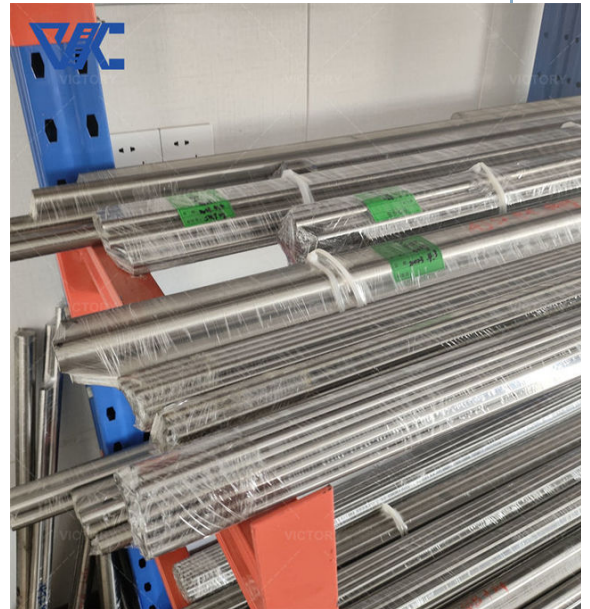
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### Specific applications:

Energy storage equipment: Pure nickel rods can be used to manufacture energy storage equipment, such as battery cells, electrolyzers, etc., to provide stability and corrosion resistance in high temperature environments.

Gas turbine: Pure nickel rods are often used in the manufacture of gas turbines to make key components such as blades and combustion chambers to withstand high temperatures and corrosive gases.

Nuclear energy field: Pure nickel rods are also used in the nuclear energy field, including nuclear fuel elements, reactor materials, etc., to meet the needs of nuclear power generation.



### FAQ:

Q1: What are the main advantages of pure nickel rods in the energy industry?

A1: The main advantages of pure nickel rods are high temperature resistance and corrosion resistance.

Q2: What are the specific applications of pure nickel rods in the energy industry?

A2: Pure nickel rods can be used in energy storage equipment, gas turbines and nuclear fuel elements in the nuclear energy field.

Q3: What is the role of pure nickel rods in energy storage equipment?

A3: Pure nickel rods provide stability and durability in energy storage devices to meet energy storage needs in high temperature environments.



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