



Wholesale Low Moq 10Mm Plain Uns N05500 Monel 400/K500 Steel Round Bar In Stock

Our Product Introduction

for more products please visit us on victory-alloy.com

Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- Model Number: Monel 400/K500
- Minimum Order Quantity: 5 Kg
- Price: 2 - 49 kilograms \$45.00
- Packaging Details: Spool package with Carton box, Coil package with polybag
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month



Product Specification

- Product Name: Monel Bar
- Material: Nickle Alloy Material
- Ni (Min): 63%
- Resistance ($\mu\Omega.m$): Stable
- Powder Or Not: Not Powder
- Ultimate Strength (\geq MPa): 690
- Elongation (\geq %): 40
- Melting Point: 1370-1425 °C
- Application: Aerospace Industry, Chemical Industry, Marine Industry
- Surface: Bright, Oxided
- Size: Customized Size
- Service: OEM\ODM
- Highlight: **Monel 400/K500 Nickel Alloy Rod, Nickel Alloy Monel Round Bar, Nickel Based Monel Rod**



More Images



Product Description

Our Product Introduction



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MOENL BAR

Monel 400, Monel K500
 Customized service available

Monel 400 is copper nickel alloy, has good corrosion resistance. In salty water or seawater has excellent resistance to pitting corrosion, stress corrosion ability. Especially hydrofluoric acid resistance and resistance to the hydrochloric acid. Widely used in the chemical, oil, Marine industry. It is widely used on many aspects, like valve and pump parts, electronic components, chemical processing equipment, gasoline and freshwater tanks, petroleum processing equipment, propeller shafts, marine fixtures and fasteners, boiler feedwater heaters and other heat exchangers.

| Item | Ni | Cu | Fe | Mn | C | Si |
|-----------|-----|-------|------|----|------|------|
| Monel 400 | ≥63 | 28-34 | ≤2.5 | ≤2 | ≤0.3 | ≤0.5 |

| Item | Ni | Cu | Al | Ti | Fe | Mn | S | C |
|------------|-----|-------|----------|-----------|----|------|-------|-------|
| Monel K500 | ≥63 | 27-33 | 2.3-3.15 | 0.35-0.85 | ≤2 | ≤1.5 | ≤0.01 | ≤0.25 |

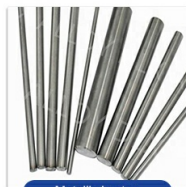
| Item | Density | Melting point | Tensile Strength | Yield Strength | Elongation |
|-----------|------------------------|---------------|------------------|----------------|------------|
| Monel 400 | 8.83 g/cm ³ | 1300-1390°C | 480 | 170 | 35% |

| Item | Density | Melting point | Tensile Strength | Yield Strength | Elongation |
|------------|------------------------|---------------|------------------|----------------|------------|
| Monel K500 | 8.05 g/cm ³ | 1288-1343°C | 1100 | 790 | 20% |

| | | | | | |
|------------|-----------|-----------|-----------|-------------|--------------|
| Monel 400 | Bar/Rod | Forging | Pipe | Sheet/Strip | Welding Wire |
| Standard | ASTM B164 | ASTM B564 | ASTM B165 | ASTM B127 | ErNiCu-7 |
| Monel K500 | Bar/Rod | Forging | Pipe | Sheet/Strip | Welding Wire |
| Standard | ASTM B864 | AMS4676 | ASTM B865 | ASTM B564 | ErNiCu-7 |

Product Details

High-quality materials and surface treatment technology



Metallic Luster



Smooth Edges



Product Comparison

The quality of our products has been strictly tested and guaranteed



OTHERS



Smooth And Shiny Surface



Product Surface Rust

VS



Product Quality Strict Inspection



Product Weight Does Not Match

VS

Application Field

Moenl bars are widely used in many fields



Aerospace Industry



Chemical Industry



Marine Industry



Electronics Industry



Device Field



Food Processing



Oil Industry



Natural Gas Industry

Moenl bars are a type of nickel-copper alloy that is known for its high strength, excellent corrosion resistance, and good ductility. As a result, they are used in a wide range of applications, including:

1. Aerospace industry: Moenl bars are commonly used in aircraft and rocket components, such as fuel tanks, exhaust systems, and hydraulic tubing.
 2. Chemical industry: Moenl bars are used in chemical processing equipment and storage tanks due to their excellent resistance to corrosion by acids, alkalis, and other chemicals.
 3. Marine industry: Moenl bars are used in marine applications, such as boat and shipbuilding, due to their excellent resistance to seawater corrosion.
 4. Oil and gas industry: Moenl bars are used in the oil and gas industry for applications such as downhole drilling tools, pumps, and valves.
 5. Electronics industry: Moenl bars are used in electrical and electronic applications, such as connectors and switches, due to their good electrical conductivity and resistance to corrosion.
- Overall, Moenl bars are used in many diverse applications due to their combination of strength, corrosion resistance, and ductility.

Product Process

The production process and technology used in the product



1 Raw Material



2 Sintering



3 Thermal Processing



4 Cold Working



5 Length Cutting



6 Surface Treatment



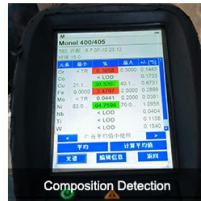
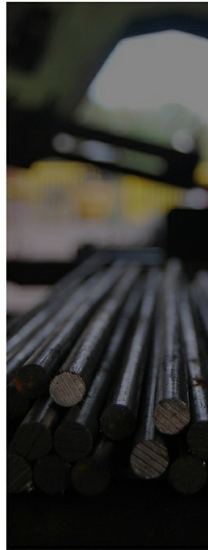
7 Inspecting



8 Packaging

Product Comparison

The quality of our products has been strictly tested and guaranteed



Composition Detection



Composition Detection



Measuring Instrument



Micro Hardness Tester



Micro Hardness Tester



Tensile Test Equipment

OEM Services

We can provide customized services for customers

Product Customization

Size: 8.0-200mm

We can customize monel bars of different size for customers.



Label Customization



We can provide label customization service for customers' products.

Recommended Products

Click to learn more about related products



Nickel Strip



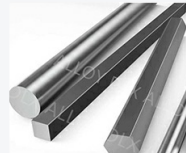
Nickel Wire



Hastelloy alloy Bar



Inconel Tube



Incoloy Bar



Nickel Tube

20+

Industry Experience

50+

Certifications

1000+

Metal Products

2000+

Cooperative Business

Company Profile

We are a leading alloy metal manufacturer founded in 2002, providing high-quality and high-performance alloy products and services to our customers. Our company is dedicated to becoming the industry leader in the alloy field, and we have received multiple industry certifications and awards, including the ISO9001 International Quality Management System Certificate and the SGS Certificate.

Over the past 18 years, we have focused on the resistance alloy business and continuously innovated and explored, ultimately developing new nickel-based alloy products such as chromium-nickel-iron alloy, Monel alloy, Hastelloy alloy, high-temperature alloy, and more.



Our Advantages

Our advantages can provide customers with better service

| | | | | |
|--|--|--|---|--|
|  HIGH QUALITY |  SUPER ELASTICITY |  HIGH STRENGTH |  BRAND EFFECT |  PROFESSIONAL FACTORY |
|  TECHNICAL SUPPORT |  R&D INNOVATION SERVICES |  AFTER-SALES SERVICE |  ISO CERTIFICATION |  EFFICIENT LOGISTICS SERVICE |

Our Certifications

Our products have obtained national standard certification



Our Partners

We have established long-term cooperative relationships with many partners



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