



## Factory Direct Sale Nickel Alloy Astm B865 Monel 400/K500 Rod In Stock

Our Product Introduction

for more products please visit us on [victory-alloy.com](http://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 ( $\mu\Omega\cdot m$ ): 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 Alloy 400, Monel Alloy K500, alloy 400 Wire monel




### More Images




Our Product Introduction

### Product Description



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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 <sup>3</sup>	1300-1390°C	480	170	35%

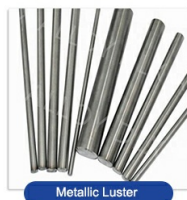
Item	Density	Melting point	Tensile Strength	Yield Strength	Elongation
Monel K500	8.05 g/cm <sup>3</sup>	1288-1343°C	1100	790	20%

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



## Product Comparison

The quality of our products has been strictly tested and guaranteed



OTHERS



Smooth And Shiny Surface



Product Surface Rust



Product Quality Strict Inspection



Product Weight Does Not Match

## Application Field

Monel bars are widely used in many fields



Aerospace Industry



Chemical Industry



Marine Industry



Electronics Industry



Device Field



Food Processing



Oil Industry



Natural Gas Industry

**Monel 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: Monel bars are commonly used in aircraft and rocket components, such as fuel tanks, exhaust systems, and hydraulic tubing.
  2. Chemical industry: Monel 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: Monel bars are used in marine applications, such as boat and shipbuilding, due to their excellent resistance to seawater corrosion.
  4. Oil and gas industry: Monel bars are used in the oil and gas industry for applications such as downhole drilling tools, pumps, and valves.
  5. Electronics industry: Monel bars are used in electrical and electronic applications, such as connectors and switches, due to their good electrical conductivity and resistance to corrosion.
- Overall, Monel 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



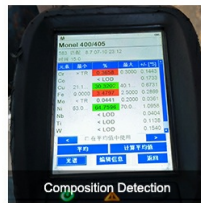
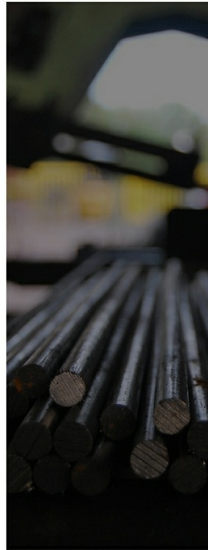
7 Inspecting



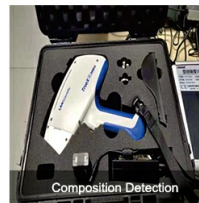
8 Packaging

## 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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