



Astm B164 Monel K500 Bar Nickel Alloy Rod

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE, ROHS, ISO 9001
- Model Number: Monel 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 K500 Bar
- Material: Nickel 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 K500 Bar, Astm B164 Monel K500 Bar, 63% Nickel Alloy Rod**



Product Description

Astm B164 Monel K500 Bar Nickel Alloy Rod Wholesale Price

Introduction:

- 1) Monel K500 bar is a high-strength nickel-copper alloy bar that offers excellent corrosion resistance and enhanced mechanical properties compared to Monel 400. It contains additions of aluminum and titanium, which contribute to its increased strength and hardness.
- 2) Monel K500 bar is particularly suitable for applications that require high tensile strength and excellent resistance to a wide range of corrosive environments, including seawater, acids, and alkalis. With its superior combination of strength, corrosion resistance, and durability.
- 3) Monel K500 bar is commonly used in marine, oil and gas, chemical processing, and aerospace industries for components such as pump shafts, valve stems, fasteners, and springs.
- 4) Its enhanced mechanical properties make it a reliable choice for demanding applications where strength and corrosion resistance are crucial.

Our Product Introduction

Parameter:

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 K500	8.05 g/cm ³	1288-1343°C	1100	790	20%

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

Monel K500 bar finds **applications** in various industries, including:

- 1) Marine and offshore industry
- 2) Automotive industry
- 3) Chemical processing
- 4) Medical and pharmaceutical equipment
- 5) Power generation
- 6) Oil and gas exploration and production
- 7) Springs and fasteners manufacturing
- 8) Valve and pump components
- 9) Electrical and electronic equipment
- 10) Aerospace and defense

These are just a few examples of the broad range of applications where Monel K500 bar is commonly utilized. Its enhanced strength and corrosion resistance make it suitable for demanding environments and critical components in various industries.





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