



## Small Diameter Monel K500 Tube Nickel Alloy Pipe Factory Direct Supply

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 - 99 kilograms \$35.00
- Packaging Details: Special packaging requirements can also be accommodated. OEM is also acceptable.
- 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 Tube
- Material: Nickel Base Alloy
- Nickel (Min): 63%
- Resistance ( $\mu\Omega\cdot m$ ): Stable
- Powder Or Not: Not Powder
- Ultimate Strength ( $\geq$  MPa): 480
- Elongation ( $\geq$  %): 35%
- Surface: Bright, Oxidized
- Density: 8.83 G/cm<sup>3</sup>
- Melting: 1300-1390°C
- Size: Customized
- Highlight: Small Diameter Monel K500 Tube, Monel K500 Nickel Alloy Pipe, Oxidized Monel K500 Tube



### Product Description

#### Small Diameter Monel K500 Tube Nickel Alloy Pipe Factory Direct Supply

##### Introduction:

- 1) Monel K500 tube is a high-strength nickel-copper alloy tube that offers exceptional corrosion resistance and mechanical properties.
- 2) With a composition primarily consisting of nickel (63-70%) and copper (27-33%), Monel K500 tube is reinforced with small additions of aluminum and titanium, resulting in increased strength, hardness, and durability.
- 3) It exhibits a tensile strength ranging from 110 ksi (758 MPa) to 140 ksi (965 MPa) and excellent resistance to corrosive environments, including seawater, acids, and alkalis.
- 4) Monel K500 tube is commonly used in aerospace, oil and gas, chemical processing, and marine industries for applications such as heat exchangers, tubing systems, and components that require reliable performance in demanding conditions.

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 <sup>3</sup>	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

Here are some common **application areas** for Monel K500 tube:

- 1)Aerospace industry
- 2)Oil and gas industry
- 3)Pump and valve components
- 4)Marine industry
- 5)Hydraulic lines
- 6)Heat exchangers
- 7)Tubing systems
- 8)Offshore and subsea applications
- 9)Seawater systems
- 10)Chemical processing

These are just a few examples of the diverse industries where Monel K500 tube is commonly used due to its high strength, corrosion resistance, and durability.



Shape	Size(mm)
Wire	0.15-7.5
Rod/Bar	8.0-200
Strip	(0.5-2.5)*(5-1
Plate	custom max



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