

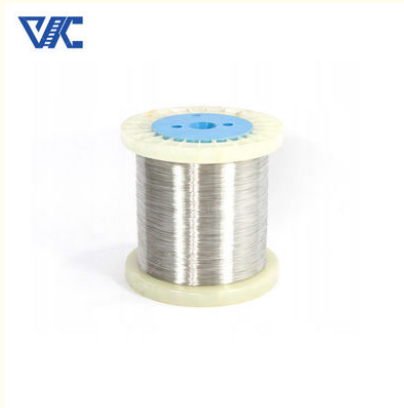


Oil And Gas Industry Bright Surface Incoloy 925 Wire With High Temperature Resistance

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE, ROHS, ISO 9001
- Model Number: Incoloy 925
- 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: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month



Product Specification

- Name: Incoloy 925 Wire
- Material: Ni Fe Cr Mo Ti Al
- Nickel (Min): 42-46%
- Application: Pipes, Valves, Storage Tanks, Drilling Equipment
- Tensile Strength: 172 Mpa
- Yield Strength: 124 Mpa
- Density (g/cm³): 8.08
- Elongation (≥ %): 27%
- Condition: Hard / Soft
- Surface: Bright, Oxided
- Melting Point: 1311-1366°C
- Hardness: 336 HV
- Highlight: Incoloy 925 Wire, Construction Incoloy 925 Wire, Incoloy 925 Nickel Alloy Wire



More Images



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Product Description

Introduction:

Incoloy 925 alloy wire is a high performance material widely used in the oil and gas industry. It is composed of elements such as nickel, iron, chromium, molybdenum, titanium and aluminum, and has excellent mechanical properties. The alloy wire has a tensile strength of 172 MPa, a yield strength of 124 MPa, and an elongation of more than 27%. Its density is low, 8.08 g/cm³, and it also has good strength and lightweight properties. This alloy wire is known for its excellent performance and corrosion resistance properties. It has a wide range of applications in the manufacture of critical components such as pipes, valves, storage tanks and drilling equipment. The high strength and tensile properties of Incoloy 925 alloy wire enable it to withstand high pressures and harsh environmental conditions. At the same time, its corrosion resistance can withstand corrosive media and chemicals found in the oil and gas industry. The alloy wire has high ductility and can maintain stability under stress and deformation. Overall, the properties of Incoloy 925 alloy wire make it an important material choice in the oil and gas industry, meeting high strength, corrosion resistance and reliability requirements.

Parameter:

Chemical Composition Requirement

The Chemical Composition of Incoloy 925, %	
Nickel	42.0-46.0
Chromium	19.5-22.5
Iron	≥22.0
Molybdenum	2.5-3.5
Copper	1.5-3.0
Titanium	1.9-2.4
Alumium	0.1-0.5
Manganese	≤1.00
Silicon	≤0.50
Niobium	≤0.50
Carbon	≤0.03
Sulfur	≤0.30

Mechanical Properties of Incoloy 925

Tensile Strength, min.		Yield Strength, min.		Elongation, min.	Hardness, min.
Mpa	ksi	Mpa	ksi	%	HRC
1210	176	815	118	24	36.5

Physical Properties of Incoloy 925

Density	Melting Range		Specific Heat		Electrical Resistivity
g/cm ³	°F	°C	J/kg.k	Btu/lb. °F	μΩ.m
8.08	2392-2490	1311-1366	435	0.104	1166

Product Forms and Standards

Product Form	Standard
Rod, bar & Wire	ASTM B805
Plate, sheet & strip	ASTM B872
Seamless pipe and tube	ASTM B983
Forging	ASTM B637

Characteristic:

Corrosion resistance: Incoloy 925 alloy wire shows excellent corrosion resistance and can resist corrosive media in the oil and gas industry, such as acid gas, salt water, etc., extending the service life of equipment.

High-temperature stability: This alloy wire has good high-temperature stability and can maintain its performance in high-temperature environments. It is suitable for high-temperature oil and natural gas processes.

Resistance to sulfide stress corrosion cracking: Incoloy 925 alloy wire is resistant to sulfide stress corrosion cracking and is suitable for working environments in sulfur-containing media.

Excellent mechanical strength: Has good strength and hardness to withstand the high stress and pressure found in oil and gas industry equipment.

Advantage:

Corrosion resistance: Incoloy 925 alloy wire has excellent corrosion resistance and can resist corrosive media in the oil and gas industry, reducing corrosion damage and maintenance frequency of equipment.

High strength and toughness: This alloy wire has excellent mechanical strength and toughness, which helps improve the reliability and fatigue resistance of the equipment.

Resistance to sulfide stress corrosion cracking: Incoloy 925 alloy wire exhibits resistance to sulfide stress corrosion cracking in sulfur-containing media, increasing the service life of the equipment.

Good weldability: This alloy wire is easy to weld, helping to simplify the manufacturing and installation process.

Specific applications:

Pipes and valves: Incoloy 925 alloy wire can be used to manufacture pipes and valves in the oil and gas industry for transporting and controlling oil and gas fluids.

Tanks and Containers: Suitable for the manufacture of storage tanks and containers in the oil and gas industry for the storage and handling of oil and gas products.

Logging tools: Logging tools can be used in the oil and gas industry to obtain downhole geological and process parameters.

Drilling equipment: Suitable for manufacturing drilling equipment in the oil and gas industry, such as drill bits and drill pipes.

Other relevant knowledge points:

Fracturing operations: In the oil and gas industry, fracturing operations are a common oil and gas extraction technology. Incoloy 925 alloy wire can be used to manufacture fracturing equipment and accessories to cope with high pressure and violent working environments.

Corrosion Protection: Corrosion protection of equipment is a critical task in the oil and gas industry. Parts manufactured using Incoloy 925 alloy wire provide effective corrosion protection, reducing equipment damage and repair costs.

Standards and specifications: In the oil and gas industry, equipment manufacturing using Incoloy 925 alloy wire needs to comply with relevant standards and specifications, such as API (American Petroleum Institute) specifications, etc., to ensure the safety and reliability of the equipment.

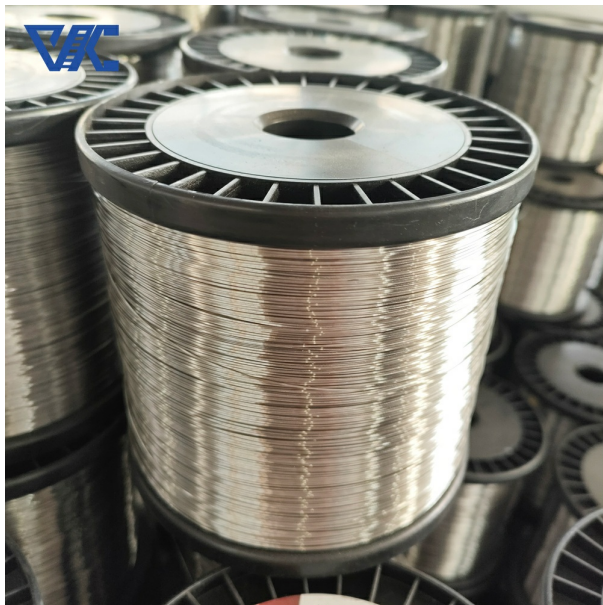
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Oem service:

Welcome customized size

We are experience factory for OEM&ODM service



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