Oil And Gas Industry Bright Surface Inconel X750 Rods With Fatigue resistance

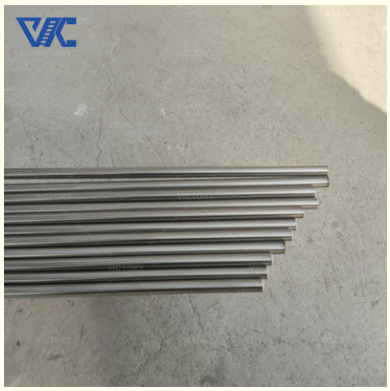
Our Product Introduction

Basic Information

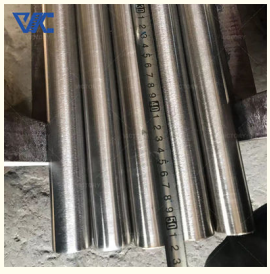
- Place of Origin: China
- Brand Name: Victory
- Certification: ISO9001
- Model Number: Inconel X750
- Minimum Order Quantity: 5 Kg
- Price: Negotiable
- Packaging Details: Inconel X750 rod packed in Spool Carton box, Coil package with polybag,then in woodencase
- Delivery Time: 7-20 Days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month

Product Specification

- Name: Inconel X750 Bar
- Material: Ni Cr Fe
- Ni (Min): 70-75%
- Density: 8.28g/cm3
- Application: Construction, IndustryMining Equipment, Chemical Reactors, Pipe Connections
- Sureface: Bright,Oxided
- Melting Point: 1393-1427°C
- Tensile Strength: 1034 MPa
- Yield Strength: 827 MPa
- Thermal Expansion Coefficient: 12.6 µm/m·°C
- Highlight: **Nickel Based Inconel X750 Rods**, **Inconel X750 Rods**, **Bright Surface Inconel X750 Rods**



More Images



Product Description

Our Product Introduction

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Introduction:

Inconel X750 rod is a commonly used high temperature alloy material in the oil and gas industry. Due to its excellent corrosion resistance, high temperature strength and oxidation resistance, Inconel X750 rod can handle harsh working environments and high temperature and pressure conditions in the oil and gas field.
In the oil and gas industry, Inconel X750 rod is commonly used to manufacture equipment and components that are exposed to high temperatures and corrosive environments. It is widely used in key equipment in the oil and gas extraction, production and transportation processes, such as oil well casing, valves, pipeline connectors and pump components, etc. Due to its excellent high temperature strength and corrosion resistance, Inconel X750 rod is able to withstand the high temperatures, pressures and corrosive media requirements found in the oil and gas industry.
Overall, Inconel X750 rod plays an important role in the oil and gas industry due to its excellent corrosion resistance, high temperature strength and oxidation resistance. It is widely used in equipment, components and systems in oil and gas extraction, production and transportation processes to ensure the reliability, safety and performance of industrial facilities. The wide application range and excellent performance of Inconel X750 rod make it one of the indispensable materials in the oil and gas industry.

Characteristic:

High Temperature Strength: Inconel X750 rod has excellent high temperature strength, maintaining its structural integrity and mechanical properties in high temperature and pressure environments.
Corrosion resistance: This alloy has good corrosion resistance and can resist the erosion of acidic, alkaline and oxidizing media, and is suitable for harsh oil and natural gas environments.
Fatigue resistance: Inconel X750 rods have good fatigue resistance and can be used for a long time under cyclic stress without being prone to fatigue damage.
Good processability: The alloy can be hot and cold processed, making it easy to manufacture parts of various complex shapes.

Advantage:

High Temperature Performance: Inconel X750 rod maintains its strength and stability under high temperature and pressure environments, making it suitable for manufacturing high-temperature components in the oil and gas industry, such as furnace tubes, heat exchangers and storage tanks.
Corrosion resistance: The alloy has excellent corrosion resistance and can resist corrosive media in oil and natural gas, such as acid gases, salt water and sulfides.
Fatigue Resistance: The fatigue resistance of Inconel X750 rod makes it suitable for components in the oil and gas industry that need to withstand cyclic stress, such as springs, valves and pipe connections.
Reliability: The alloy has good mechanical properties and stability, providing the high reliability and safety required by the oil and gas industry.

Application:

Oil and Gas Extraction Equipment: Inconel X750 bar stock can be used to manufacture a variety of key components of oil and gas extraction equipment, such as drill bits, wellbores, casings, and valves. Its high-temperature strength and corrosion resistance make it an ideal material for mining equipment manufacturing.
Chemical Equipment: The alloy is also widely used in petrochemical and natural gas processing equipment, such as reactors, heat exchangers and storage tanks. Its corrosion resistance and high temperature performance make it suitable for handling corrosive media and high temperature reaction environments.
Pipe Connectors: Inconel X750 rods can be used to make connectors for oil and gas pipelines, such as flanges, elbows and sleeves. Its corrosion resistance and fatigue resistance make it suitable for piping systems used in high pressure and harsh environments.
Pump and valve components: The alloy is used to make pump and valve components such as vanes, valve seats and valve stems in the oil and gas industry. Its high temperature strength and corrosion resistance allow it to withstand high pressures and corrosive media.

Other relevant knowledge points:

Inconel X750 is a nickel-based high-temperature alloy containing alloying elements such as chromium, iron, aluminum and titanium. It has excellent high temperature strength, corrosion resistance and fatigue resistance.
In the oil and gas industry, material selection is critical to equipment performance and reliability. Inconel X750 rods are widely used in harsh working conditions due to their special properties and advantages.
The environmental conditions in the oil and gas industry are complex and varied, including high temperatures, high pressures, corrosive media, and sulfides. Choosing the right materials can extend the life of your equipment and ensure safe operation.
Inconel X750 rods also have a wide range of applications outside the oil and gas industry, such as the nuclear energy industry and the chemical industry.

Physical property:

Main ingredients: Nickel (Ni), Chromium (Cr), Titanium (Ti)
Chemical composition: Nickel (70-75%), Chromium (14-17%), Titanium (2.25-2.75%), Iron (5-9%), Aluminum (0.7-1.2%)
Density: 8.28 g/cm³
Melting point: 1393-1427°C
Tensile strength: about 1034 MPa
Yield strength: about 827 MPa
Thermal expansion coefficient: 12.6 μm/m·°C (20-100°C)

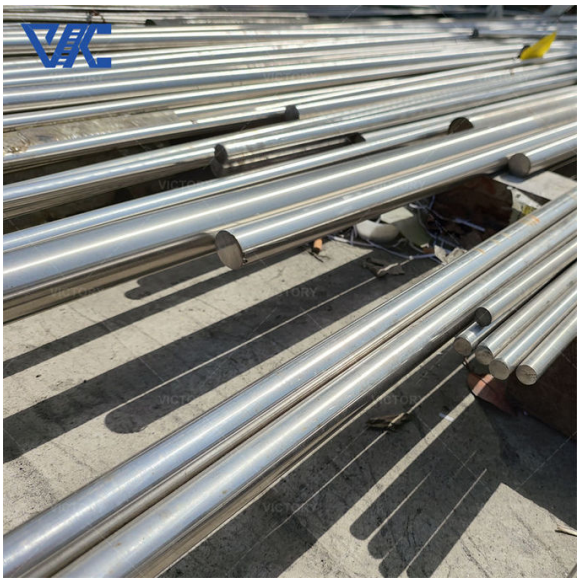
Parameter:

Item	C	Mn	Fe	P	S	Si	Cu	Ni	Co	Al	Ti	Cr	Nb+Ta	Mo	B
Inconel X750	≤0.08	≤1	5-9	--	≤0.01	≤0.5	≤0.5	≥70	≤1	0.4-1	2.25-2.75	14-17	0.7-1.2	--	--

AMS Number	Alloy	Type	UNS	Cross Ref. Spec	Misc./Shape
AMS 5699 wire	Inconel X750	Nickel	N07750	Wire	
AMS 5542 Custom Tube	Inconel X750	Nickel	N07750	-	Custom Tube
AMS 5542 Plate	Inconel X750	Nickel	N07750	-	Plate
AMS 5542 Sheet	Inconel X750	Nickel	N07750	-	Sheet
AMS 5542 Strip	Inconel X750	Nickel	N07750	-	Strip

Shape	Size(mm)
Wlre	0.5-7.5
Rod/Bar	8.0-200
Strip	(0.5-2.5)*(5-180)
Tube	custom made
Plate	custom made

contact us
email:victory@dlx-alloy.com
Oem service:
Welcome customized size
We are experience factory for OEM&ODM service



Q & A:

Q: Can Inconel X750 bar be delivered in custom lengths or specific quantities?
A: Yes, Inconel X750 bar can be delivered in custom lengths and quantities to meet the specific requirements of customers.

Q: What is the typical lead time for the delivery of Inconel X750 bar?
A: The lead time for Inconel X750 bar can vary depending on factors such as quantity and availability, but it is typically within a few weeks from the time of order placement.

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