



Oil And Gas Industry High Tensile Inconel X750 Wire With High Temperature Resistance

Our Product Introduction

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Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- Model Number: Inconel X750
- Minimum Order Quantity: 5 Kg
- Price: Negotiable
- Packaging Details: Inconel X750 wire packed in Spool Carton box, Coil package with polybag, then in woodencase
- Delivery Time: 5-21 days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month



Product Specification

- Product Name: Inconel X750 Wire
- Material: Ni Cr Fe
- Nickel(Min): 70-75%
- Density: 8.28g/cm3
- Application: Oil And Gas Industry
- Sureface: Bright,Oxided
- Melting Point: 1393-1427°C
- Tensile Strength: 1034 MPa
- Yield Strength: 827 MPa
- Thermal Expansion Coefficient: 12.6 $\mu\text{m/m}\cdot^\circ\text{C}$
- Highlight: corrosion resistant inconel alloy,
high temperature resistant inconel alloy



More Images



Product Description

Introduction:

Inconel X750 alloy wire is widely used in the oil and gas industry. Composed of elements such as nickel, chromium and titanium, it offers excellent corrosion resistance, high-temperature strength and workability. In oil and gas pipeline systems, it is used in key components such as sealing rings, elastic components and leakage protection devices. It can resist corrosion in acidic, alkaline and high-temperature environments and ensure the reliability and safety of the system. At the same time, it can also be applied to burner and heater components to withstand extreme conditions of high temperature and corrosion to meet the requirements of oil and gas processing processes.

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

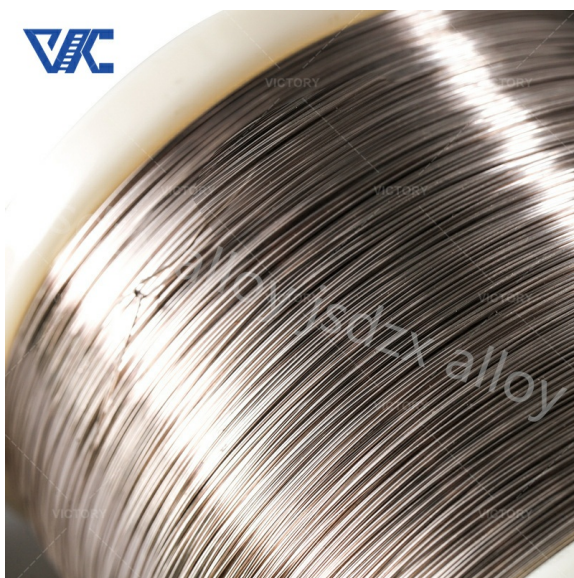
Yield strength: about 827 MPa

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 |



| Size Range (mm) | |
|-----------------|--------------------|
| Wire | 0.5-7.5 |
| Rod/Bar | 8.0-200 |
| Strip | (0.50-2.5)*(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

Characteristic:

Corrosion Resistance: Inconel X750 Wire exhibits excellent corrosion resistance and is resistant to a variety of corrosive

media, including acids, alkalis, salts and gases.

High-temperature strength: It has excellent high-temperature strength and is able to maintain mechanical properties in high-temperature environments and withstand high-temperature and high-pressure conditions.

Oxidation resistance: The alloy has good oxidation resistance and can operate stably for a long time at high temperatures and extend its service life.

Low Magnetism: Inconel X750 Wire has low magnetism, making it suitable for applications that are sensitive to magnetic fields.

Advantage:

Corrosion Resistance: Inconel X750 Wire resists corrosive media in the oil and gas industry, providing reliable durability.

High Temperature Strength: The alloy maintains stable performance in high temperature and pressure environments, making it suitable for high temperature components in oil and gas processing.

Oxidation resistance: Inconel X750 Wire can resist high-temperature oxidation, extending the service life of equipment and reducing the frequency of repairs and replacements.

Processability: The alloy has good processability and can be manufactured into parts of various shapes and sizes to meet specific industrial needs.

Application:

Petroleum Processing: Inconel X750 Wire is often used to manufacture equipment and components in high temperature and corrosive environments, such as furnace pipes, reactors, and distillation towers.

Natural gas industry: It is widely used in key components in natural gas extraction, transmission and storage equipment, such as pipelines, valves and connections.

Chemical Industry: Inconel X750 Wire is also used in the chemical industry to manufacture corrosion-resistant equipment such as reactors, evaporators, and chemical storage tanks.

All in all, Inconel X750 Wire has important applications in the oil and gas industry. Its corrosion resistance, high-temperature strength and oxidation resistance make it an ideal material to withstand harsh working environments, providing reliability and durability to ensure safe operation of equipment.



Q & A:

Q: What quality testing is performed on Inconel X750 wire?

A: Inconel X750 wire undergoes comprehensive quality testing, including mechanical property testing, dimensional inspections, and surface quality checks, ensuring reliable performance and adherence to specifications.

Q: Are there any specific quality certifications or standards associated with Inconel X750 wire?

A: Yes, Inconel X750 wire is often certified to international standards such as ASTM or AMS, and it meets stringent quality requirements, providing assurance of its quality, reliability, and suitability for various applications.



Changzhou Victory Technology Co., Ltd



+8619906119641



victory@dlx-alloy.com



victory-alloy.com

NO.32 West Taihu Road, Xinbei District, Changzhou, Jiangsu