



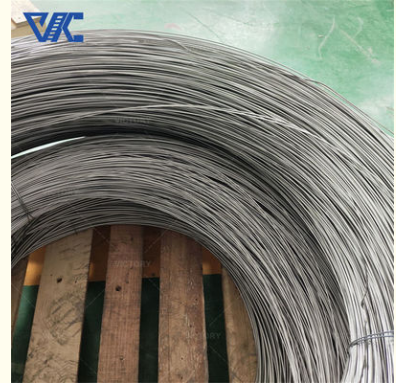
Aerospace Industry Nickel Alloy Wire Bright Inconel X750 Wire With Preservative

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: 8.28 G/cm3
- Application: Aerospace Industry
- Sureface: Bright,Oxided
- Melting Point: 1393-1427°C
- Tensile Strength: 1034 MPa
- Yield Strength: 827 MPa
- Thermal Expansion Coefficient: 2.6 $\mu\text{m/m}\cdot^{\circ}\text{C}$
- Highlight: corrosion resistant inconel alloy,
high temperature resistant inconel alloy



More Images



Product Description

Introduction:

Inconel X750 wire is a high performance alloy wire widely used in the aerospace industry. It has excellent high temperature strength and corrosion resistance. It is suitable for manufacturing aerospace engines, spacecraft and other key components. It can maintain stable performance under extreme high temperatures and harsh environments and improve system performance and reliability.

Parameter:

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)

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:

High Temperature Strength: Inconel X750 wire has excellent high temperature strength and is able to maintain its mechanical

properties in high temperature environments.

Corrosion resistance: It shows excellent corrosion resistance, can resist oxidation and hot corrosion, and can adapt to harsh working environments.

Creep resistance: The alloy has good creep resistance and can maintain stable performance under high temperature conditions for a long time.

Good processability: Inconel X750 wire has good processability, making it easy to manufacture and process into various shapes and sizes.

Advantage:

High-temperature applications: Inconel X750 wire has excellent performance in high-temperature environments and is suitable for the manufacturing of aerospace engines, spacecraft and other high-temperature components.

Corrosion resistance: It can resist oxidation, corrosion and hot corrosion, maintaining stable performance in harsh working environments.

Creep resistance: The alloy can withstand sustained stress at high temperatures for a long time and is not prone to deformation and relaxation.

Processability: Inconel X750 wire has good processability and can be manufactured into parts of various shapes and sizes as needed.

Application:

Aeroengine: Used to manufacture high-temperature components such as turbine blades, nozzles, combustion chambers and supercharger components.

Spacecraft: used in spacecraft structures and propulsion systems to provide stable mechanical properties and corrosion resistance.

Other applications: Widely used in the manufacturing and maintenance of aerospace equipment, such as sensors, valves, connectors, springs and other key components.

All in all, Inconel X750 wire has important application value in the aerospace industry. Its high-temperature strength, corrosion resistance and creep resistance make it an ideal material for high-temperature components, improving system performance, reliability and durability.



Q & A:

Q1: What are the key properties of Inconel X750 wire?

A1: Inconel X750 wire possesses excellent mechanical properties, including high strength and good creep resistance at elevated temperatures. It exhibits exceptional corrosion resistance in various environments, such as acids, alkaline solutions, and high-temperature gases. Additionally, it offers excellent oxidation resistance up to temperatures of 1300°F (704°C).

Q2: What are the typical applications of Inconel X750 wire?

A2: Inconel X750 wire finds extensive use in aerospace, gas turbine engines, nuclear reactors, and chemical processing industries. It is commonly employed in applications such as springs, fasteners, seals, and components for high-temperature environments. Its high strength and corrosion resistance make it ideal for critical applications that demand reliable performance in harsh conditions.



Changzhou Victory Technology Co., Ltd



+8619906119641



victory@dlx-alloy.com



victory-alloy.com

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