



High Temperature Alloy Inconel X750 Spring Wire With Processability

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%
- Application: Spring Wire
- Density: 8.28g/cm³
- Melting Point: 1393-1427°C
- Tensile Strength: 1034 MPa
- Yield Strength: 827 MPa
- Sureface: Bright, Oxided
- Highlight: corrosion resistant inconel alloy, high temperature resistant inconel alloy



More Images



Product Description

Introduction:

Inconel X750 alloy wire can be reprocessed into spring wire, offering excellent performance and adaptability. As a high-temperature alloy, Inconel X750 alloy wire has excellent elastic modulus and heat resistance, making it ideal for spring applications. It can maintain stable elastic properties in high temperature environments and has good creep resistance and oxidation resistance, allowing the spring wire to maintain stable elasticity and shape during long-term use.

Parameter:

Diameter range: usually 0.1 mm to 10 mm, can be customized according to requirements.

Strength: Inconel X750 Wire has excellent strength, providing high elasticity and tensile properties.

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

Characteristic:

High temperature strength: Inconel X750 Wire maintains good strength and elasticity in high temperature environments, making it suitable for high temperature applications.

Corrosion resistance: The alloy has excellent corrosion resistance and can resist a variety of corrosive media, including acids, alkalis, salts and gases.

Oxidation resistance: Inconel X750 Wire can resist high temperature oxidation 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:

High temperature environment: After Inconel X750 Wire is processed into spring wire, its high temperature strength and corrosion resistance make it an ideal choice for high temperature environments, such as aerospace, petrochemical and other fields.

Corrosion Resistance: The excellent corrosion resistance of Inconel X750 Wire makes it suitable for applications requiring resistance to corrosive media, such as the chemical, marine and petroleum industries.

Elastic recovery: Spring wire processed from Inconel X750 Wire has good elastic recovery properties and can maintain stable shape and performance under repeated loading.

Reliability: Due to the stable mechanical properties and durability of Inconel X750 Wire, the processed spring wire can provide reliable performance during long-term use.

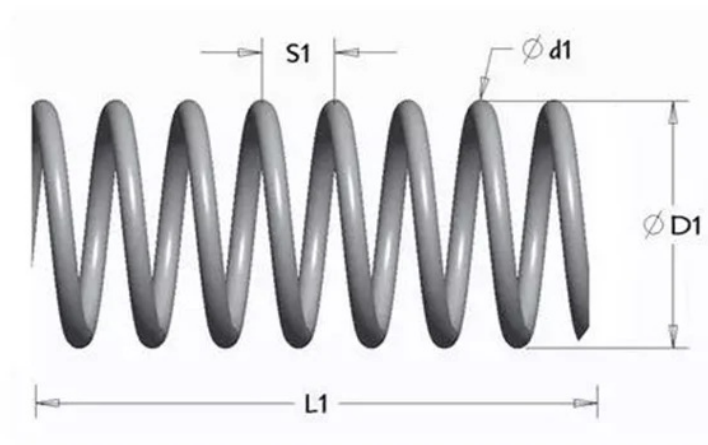
Application:

Aerospace: Spring wire processed from Inconel X750 Wire can be used in engines, turbines, jet thrusters, etc. in aerospace applications.

Petrochemical industry: This spring wire can be used in valves, pipelines, pumps and pressure vessels in petrochemical equipment.

Chemical industry: Spring wire processed from Inconel X750 Wire is also commonly used in the chemical industry to manufacture pumps, compressors, heat exchangers and other equipment.

All in all, when Inconel X750 Wire is processed into spring wire, its high temperature strength, corrosion resistance and elastic recovery make it an ideal choice for high temperature, corrosive and elastic applications. It has broad application prospects in aerospace, petrochemical and chemical industries.



S1 : Pitch

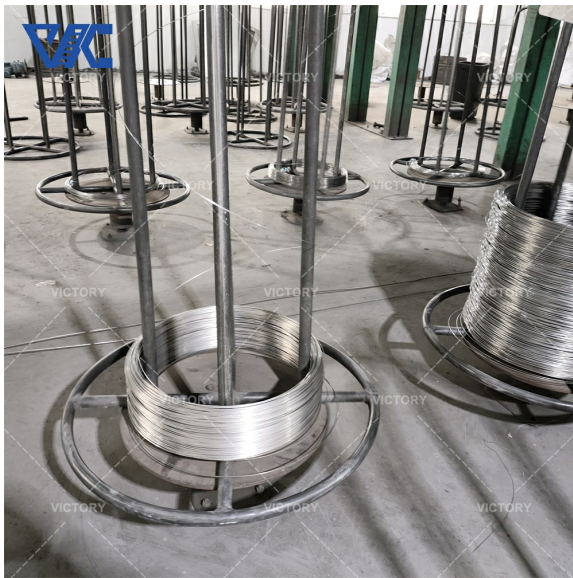
φD1 : Outer diameter

L1 : Working Length

φd1 : Wire diameter

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email: victory@dlx-alloy.com

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Q & A:

Q1: What are the common applications of Inconel X750 wire?

A1: Inconel X750 wire is commonly used in industries such as aerospace, gas turbine, and nuclear, where its high strength, resistance to high-temperature environments, and corrosion resistance make it suitable for applications including turbine blades, springs, and fasteners.

Q2: Why is Inconel X750 wire preferred in aerospace applications?

A2: Inconel X750 wire is preferred in aerospace applications due to its exceptional high-temperature strength, oxidation resistance, and ability to maintain mechanical properties, making it suitable for critical components like aircraft engine parts and structural elements that require reliability under extreme conditions.



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