



## Nickel Alloy Inconel X-750 Strip Special Metals Strip Used In Auto Industry

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: 1 Kg
- Price: Negotiable
- Packaging Details: Packed as coil. Special packaging requirements can also be accommodated. OEM is also acceptabl
- Delivery Time: 7 to 20 Days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 100 Ton/Tons per Month

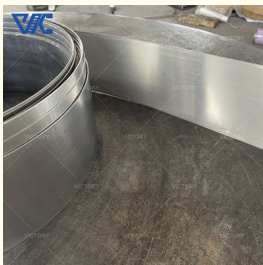


### Product Specification

- Product Name: Inconel X750 Strip
- Material: Ni Cr Fe
- Ni (Min): 70-75%
- Density: 8.28g/cm3
- Application: Engine Components, Exhaust Systems
- 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: Nickel Alloy Inconel X-750 Strip, Inconel X-750 Special Metals Strip



### More Images



### Product Description

## Introduction:

Inconel X750 belt is a high-performance alloy material widely used in the automotive industry. It is composed of elements such as nickel, chromium and iron and has excellent high temperature resistance, corrosion resistance and mechanical properties. In the automotive industry, Inconel X750 tape is widely used to manufacture engine components, exhaust systems, and other critical components in high-temperature, high-pressure environments. It can withstand the high temperature operation of automobile engines, severe vibration and corrosion from corrosive media, providing excellent performance and reliability. Inconel X750 tape has excellent material parameters with a density of 8.28g/cm<sup>3</sup> and a melting point between 1393°C and 1427°C. It has excellent tensile strength and can withstand the high-speed rotation and severe vibration requirements of automobile engines. The tensile strength can reach 1034 MPa and the yield strength is 827 MPa, ensuring the reliability and durability of components under high-load working conditions. In addition, Inconel X750 belts have good corrosion resistance and are able to withstand corrosive media in automotive engines, such as acidic fuels and exhaust gases. This effectively extends component life and provides more reliable performance.

## Product Features:

**High Temperature Strength:** Inconel X750 straps have excellent high temperature strength and are able to maintain stable performance in high temperature environments.

**Corrosion resistance:** It has excellent corrosion resistance and can withstand corrosive media and harsh environments in the automotive industry.

**Antioxidant properties:** It has good antioxidant properties and can prevent oxidation and metal corrosion at high temperatures.

## Advantage:

**Lightweight design:** Inconel X750 belt has high strength and corrosion resistance, which can realize lightweight design of automotive parts and improve fuel efficiency and performance.

**High-temperature performance:** It can work in high-temperature environments such as engines and exhaust systems to maintain stable performance and improve engine efficiency and reliability.

**Corrosion resistance:** It can resist corrosive media in the automotive industry, extend the service life of parts, and reduce the frequency of repairs and replacements.

## Specific applications:

**Engine components:** Inconel X750 tape can be used on key components in engines, such as turbine blades, exhaust valves and high temperature sensors, to improve their high temperature resistance and corrosion resistance.

**Exhaust system:** Suitable for parts such as exhaust pipes, exhaust throats and catalytic converters in the exhaust system to resist erosion by high temperatures and corrosive media.

**Fuel injection system:** Inconel X750 comes with components such as nozzles, fuel injection pipes and fuel injection valves that can be used in the fuel injection system to improve its high temperature and corrosion resistance.

## Other relevant knowledge:

**Composition of Inconel X750 alloy:** Inconel X750 alloy is mainly composed of alloy elements such as nickel, chromium and titanium. The reasonable ratio of these elements gives the alloy excellent high-temperature strength and corrosion resistance.

**Heat Treatment and Processing:** Inconel X750 tape typically requires heat treatment to improve its mechanical properties and corrosion resistance. In addition, the alloy can be formed and processed through processes such as cold working and welding to meet the needs of the automotive industry.

**Safety and environmental protection:** The use of Inconel X750 belts can improve the safety and reliability of automotive parts, reduce failures and losses, and reduce negative impacts on the environment.

## Parameter:

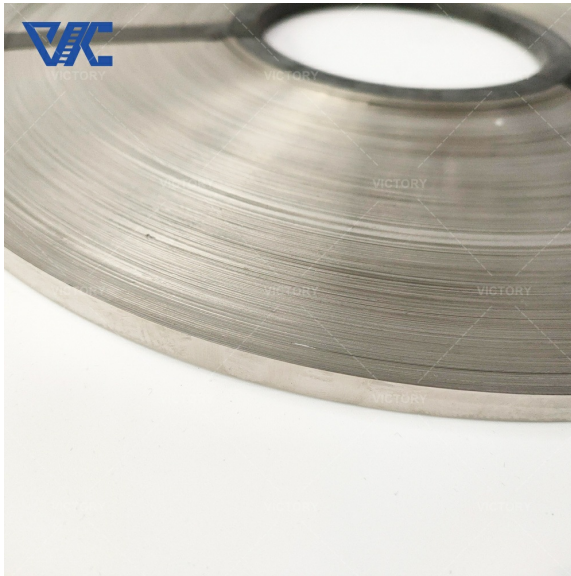
### Chemical Properties of Inconel X750

Element	Ni +Co	Cr	Nb	Ti	C	Mn	Si	Cu	Al	S	Iron
Chemical Composition (%)	70% Min	14%-17 %	0.7%-1.2 %	2.25%-2.7 5%	0.08% max	1% max	0.5% max	0.30% max	0.4%-1.0%	0.01% max	5%-9%

### Type we could offer

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 Number	Alloy	Type	U N S	Cross Ref. Spec	Misc./Shape
AMS 5542 Sheet	Inconel X750	Nickel	N 0 7 7 5 0	-	Sheet
AMS 5542 Strip	Inconel X750	Nickel	N 0 7 7 5 0	-	Strip



Size Range	
Wire	0.05-8.0mm
Rod/Bar	8.0-200mm
Strip	(0.05-0.5)*(5-200)mm
Plate	custom made
Tube	custom made

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



#### Q&A:

Q: Can Inconel X750 strip be customized to specific requirements?

A: Yes, Inconel X750 strip can be customized in terms of dimensions, thickness, and surface finish to meet specific application requirements.

Q: What industries benefit from the customized Inconel X750 strip?

A: Industries such as aerospace, automotive, and oil and gas can benefit from the customized Inconel X750 strip, which offers tailored solutions for high-temperature applications.



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