



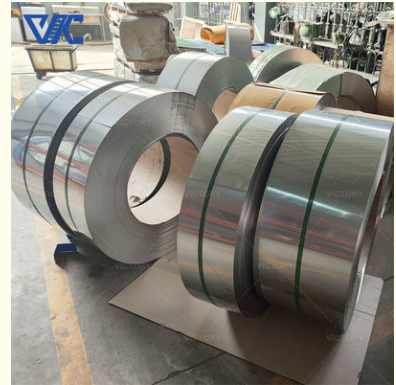
## Nickel Alloy Strip N07718 Inconel 718 Strip For Auto Industry

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE, ROHS, ISO 9001
- Model Number: Inconel 718
- Minimum Order Quantity: 1 Kg
- Price: Negotiable
- Packaging Details: Packed as coil. Special packaging requirements can also be accommodated. OEM is also acceptable
- 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 718 Strip
- Material: Ni Cr Fe
- Ni (Min): 50%
- Application: Industrial, Construction, Building
- Density (g/cm<sup>3</sup>): 8.2
- Melting Point: 1,330°C
- Tensile Strength: 965 MPa
- Yield Strength: 550 MPa
- Thermal Conductivity: 6.4 W/m·K
- Highlight: **N07718 Inconel 718 Strip, Auto Industry Inconel 718 Strip**



### More Images



### Product Description

## Introduction:

Inconel 718 tape is a high-performance alloy widely used in the automotive industry. It is composed of elements such as nickel and chromium and has excellent high temperature resistance, corrosion resistance and mechanical properties.

In the automotive industry, Inconel 718 tape is widely used in the manufacture of critical components such as engines and exhaust systems. It can withstand harsh working environments under high temperature and pressure conditions, providing excellent performance and reliability.

Inconel 718 tape has excellent material parameters, with a density of 8.2 g/cm<sup>3</sup> and a melting point of approximately 1,330°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 965 MPa and the yield strength is approximately 550 MPa, ensuring the reliability and durability of components under high-load working conditions.

In addition, Inconel 718 tape has good corrosion resistance and is able to withstand the corrosive media in automobile engines, such as acidic fuel and exhaust gases. This effectively extends component life and provides more reliable performance.

## Product Features:

**High Temperature Strength:** Inconel 718 tape maintains excellent strength at high temperatures and is able to withstand the requirements of high temperature environments such as automotive engines.

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

**Good fatigue life:** Inconel 718 tape has high toughness and good fatigue life, able to withstand the vibrations and loads found in the automotive industry.

## Advantage:

**Lightweight design:** Inconel 718 belt has high strength and corrosion resistance, which can realize lightweight design in the automotive industry, reduce vehicle weight and improve fuel efficiency.

**High temperature durability:** It can work for a long time in high temperature environments such as automobile engines, maintain the stable performance of the material, and improve the performance and life of the engine.

**Anti-oxidation performance:** Inconel 718 belt has good anti-oxidation performance, which can resist corrosion and oxidation in high-temperature atmosphere and extend the service life of the material.

## Specific applications:

**Engine components:** Inconel 718 tape can be used on critical components in automotive engines, such as high-temperature turbine blades, combustion chamber components and exhaust pipes in exhaust systems.

**Emission control system:** Suitable for key components in automobile emission control systems, such as catalytic converters and exhaust gas treatment devices, to improve their high temperature resistance and corrosion resistance.

**Braking systems:** Inconel 718 tape can be used on high-temperature components in braking systems, such as brake discs and brake calipers, to provide higher braking performance and durability.

## Other relevant knowledge:

**Composition of Inconel 718 alloy:** Inconel 718 alloy is mainly composed of nickel, chromium, iron and other alloying elements, such as molybdenum, aluminum, titanium and niobium. The reasonable ratio of these elements gives the alloy excellent properties.

**Heat Treatment and Processing:** Inconel 718 tape typically requires heat treatment to improve its mechanical properties and corrosion resistance. In addition, alloys can be formed and processed through processes such as cold working and welding to meet the needs of different applications.

**Corrosion resistance:** Inconel 718 tape has good corrosion resistance and can resist the chemical media and corrosive environments in the automotive industry, providing reliable performance.

## Parameter:

### Chemical Properties of Inconel 718

Item	C	Mn	Fe	P	S	Si	Cu	Ni	Co	Al	Ti	Cr	Nb+Ta	Mo	B
Inconel 718	≤0.08	≤0.35	rest	--	≤0.01	≤0.35	≤0.3	50-55	≤1	0.2-0.8	--	17-21	4.75-5.5	2.8-3.3	--

### Type we could offer

AMS Number	Alloy	Type	UNS	Cross Ref. Spec	Misc./Shape
AMS 5590	Inconel 718	Nickel	N07718	-	Tubing
AMS 5596 Foil	Inconel 718	Nickel	N07718	-	Foil
AMS 5596 Plate	Inconel 718	Nickel	N07718	-	Plate

AMS Number	Alloy	Type	UNS	Cross Ref. Spec	Misc./Shape
AMS 5596 Sheet	Inconel 718	Nickel	N 0 7 7 1 8	-	Sheet
AMS 5596 Strip	Inconel 718	Nickel	N 0 7 7 1 8	-	Strip
AMS 5597 Plate	Inconel 718	Nickel	N 0 7 7 1 8	-	Plate
AMS 5597 Sheet	Inconel 718	Nickel	N 0 7 7 1 8	-	Sheet
AMS 5597 Strip	Inconel 718	Nickel	N 0 7 7 1 8	-	Strip
AMS 5662 Bar	Inconel 718	Nickel	N 0 7 7 1 8	-	Bar
AMS 5662 Custom Tube	Inconel 718	Nickel	N 0 7 7 1 8	-	Custom Tube
AMS 5662 Ring	Inconel 718	Nickel	N 0 7 7 1 8	-	Ring
AMS 5663 Bar	Inconel 718	Nickel	N 0 7 7 1 8	-	Bar
AMS 5663 Custom Tube	Inconel 718	Nickel	N 0 7 7 1 8	-	Custom Tube
AMS 5663 Ring	Inconel 718	Nickel	N 0 7 7 1 8	-	Ring
AMS 5664 Bar	Inconel 718	Nickel	N 0 7 7 1 8	-	Bar

AMS Number	Alloy	Type	UNS	Cross Ref. Spec	Misc./Shape
AMS 5664 Custom Tube	Inconel 718	Nickel	N 0 7 7 1 8	-	Custom Tube
AMS 5664 Ring	Inconel 718	Nickel	N 0 7 7 1 8	-	Ring
AMS 5832	Inconel 718	Nickel	N 0 7 7 1 8	-	Wire
AMS 5962 Bar	Inconel 718	Nickel	N 0 7 7 1 8	-	Bar
AMS 5962 Wire	Inconel 718	Nickel	N 0 7 7 1 8	-	Wire

**contact us**  
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 Oem service:  
 Welcome customized size  
 We are experience factory for OEM&ODM service



#### Q & A:

Q: What are the applications of Inconel 718 strip?

A: Inconel 718 strip is commonly used in applications such as aerospace components, gas turbines, and high-performance automotive parts.

Q: In which industries is Inconel 718 strip used?

A: Inconel 718 strip finds extensive applications in industries such as aerospace, power generation, and automotive, where high-temperature and high-strength properties are critical.



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