



## High Temperature Resistant Nickel Alloy Inconel 718 Seamless Pipe/Tube Used In Auto Industry

Our Product Introduction

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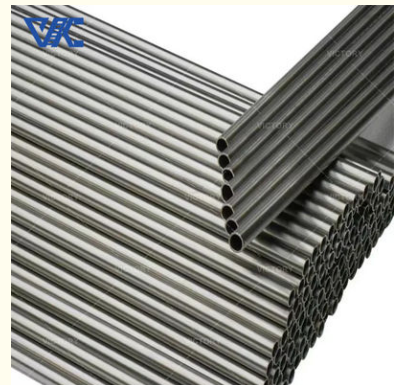
### Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE, ROHS, ISO 9001
- Model Number: Inconel 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: 500 Ton/Tons per Month



### Product Specification

- Product Name: Inconel 718 Pipe
- Material: Ni Cr Fe
- Ni (Min): 50%
- Application: Engine Components, Exhaust Systems, Fuel Systems
- Density: 8.2 G/cm<sup>3</sup>
- Melting Point: 1,330°C
- Tensile Strength: 965 MPa
- Yield Strength: 550 MPa
- Thermal Conductivity: 6.4 W/m-K
- Highlight: Inconel Alloy Tube, Corrosion Resistant Inconel Alloy Pipe, Nickel Alloy Inconel Tube



### More Images



### Product Description

## Introduction:

Inconel 718 pipe is a high-temperature alloy pipe widely used in the automotive industry. Composed of alloying elements such as nickel, chromium, molybdenum and iron, it has excellent high temperature resistance, corrosion resistance and high strength properties and is suitable for critical applications such as automotive engine parts, exhaust systems and fuel systems. In terms of automotive engine components, Inconel 718 pipes are widely used in key components such as turbochargers and exhaust manifolds to improve engine performance and combustion efficiency. In the exhaust system, it is used to manufacture high-temperature exhaust pipes and exhaust valves to ensure the stability and durability of the system. In addition, it is also used to manufacture key components of the fuel system such as fuel nozzles and combustion chamber components to improve combustion efficiency and fuel utilization.

## Characteristic:

**High temperature strength:** Inconel 718 pipe has excellent high temperature strength and can maintain high mechanical properties and structural stability under high temperature conditions.

**Corrosion resistance:** The pipe has excellent corrosion resistance and can resist corrosive media in the automotive industry, including acids, salts and oxides.

**Fatigue resistance:** Inconel 718 pipe can maintain good fatigue resistance under cyclic stress and high stress, and is suitable for high stress and vibration environments in the automotive industry.

## Advantage:

**Strength to weight ratio:** Inconel 718 tube has a high strength to weight ratio, making it ideal for lightweight designs in the automotive industry, which can reduce vehicle weight and improve fuel efficiency.

**Corrosion resistance:** Inconel 718 pipe has good corrosion resistance and can resist corrosive media in the automotive industry and extend the service life of automotive components.

**High temperature performance:** The high temperature performance of this pipe in the automotive industry makes it suitable for high temperature working environments such as engines and exhaust systems.

## Application:

**Engine components:** Inconel 718 pipe can be used in key components in automotive engines, such as turbine blades, exhaust pipes, and air intake systems. Its high temperature strength and corrosion resistance allow it to withstand high temperature and high pressure working environments.

**Exhaust system:** Inconel 718 pipe can be used in automobile exhaust systems, such as exhaust pipes and catalytic converters. Its high temperature resistance and corrosion resistance allow it to withstand the requirements of high temperature exhaust gas flows and corrosive gases.

**Fuel system:** Inconel 718 pipe can be used in critical components in automotive fuel systems, such as fuel nozzles and fuel lines. Its corrosion resistance and high temperature properties allow it to withstand the corrosive and high temperature conditions of fuel.

## Other relevant knowledge points:

The automobile industry refers to the industrial field involving automobile design, manufacturing, testing and sales.

In the automotive industry, material selection requires considerations such as strength, weight, corrosion resistance and high-temperature performance.

The design and manufacturing of automobile parts need to follow the relevant standards and specifications of the automobile industry to ensure the safety, reliability and compliance of the automobile with the requirements of the automobile industry.

## 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 5596 Sheet	Inconel 718	Nickel	N07718	-	Sheet

AMS Number	Alloy	Type	U N S	Cross Ref. Spec	Misc./Shape
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 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 Number	Alloy	Type	UNS	Cross Ref. Spec	Misc./Shape
AMS 5832	Inconel 718	Nickel	N07718	-	Wire
AMS 5962 Bar	Inconel 718	Nickel	N07718	-	Bar
AMS 5962 Wire	Inconel 718	Nickel	N07718	-	Wire



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



**Q & A:**  
 Q: How does your company ensure the quality of Inconel 718 tubes?

A: Our company implements strict quality control measures, including rigorous inspections from raw material procurement to the production process, to ensure the quality of Inconel 718 tubes.

Q: Are your Inconel 718 tubes certified to meet industry standards?

A: Yes, our Inconel 718 tubes are certified to meet industry standards and undergo thorough testing to ensure compliance with quality and performance requirements.



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