



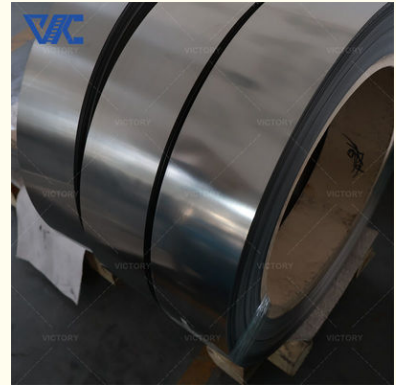
## Different Types Steel Strip Inconel 690 Strip For Petroleum Refining Industry

Our Product Introduction

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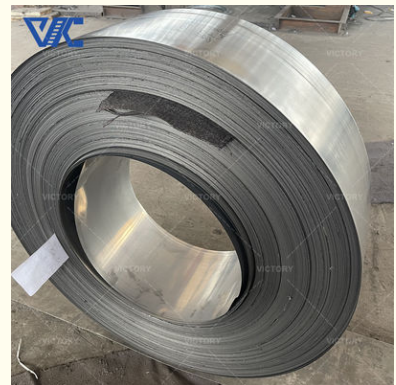
### Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE, ROHS, ISO 9001
- Model Number: Inconel 690
- 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 690 Strip
- Material: Ni Cr Fe
- Ni (Min): 58-63%
- Density (g/cm<sup>3</sup>): 8.19 G/cm<sup>3</sup>
- Melting Point: 1340-1380°C
- Thermal Conductivity: 11.2-12.6 W/(m·K)
- Tensile Strength: 690 MPa
- Yield Strength: 310 MPa
- Application: Distillation Columns And Reactors, Delivery Pipelines
- Elongation (≥ %): 40%
- Highlight: Petroleum Refining Industry Inconel 690 Strip, Inconel 690 Strip



### More Images



### Product Description

### Introduction:

Inconel 690 strip is a high-temperature alloy strip commonly used in the petroleum refining and chemical industry. It is composed of nickel, chromium, iron and other alloying elements and has excellent corrosion resistance and high temperature stability.

The chemical composition of Inconel 690 tape includes nickel (58-63%), chromium (27-31%), iron (7-11%), molybdenum (0.5% max), manganese (0.5% max), titanium (0.5% max) and copper (max. 0.5%). The tape has a density of 8.19 g/cm<sup>3</sup> and a thermal expansion coefficient of 13.3 μm/m·°C (20-1000°C). The minimum tensile strength can reach 690 MPa, and the minimum yield strength can reach 310 MPa.

In the petroleum refining and chemical industry, Inconel 690 tape is widely used in equipment and components operating in high temperatures and corrosive environments. Due to the high temperature, corrosion and oxidation environment present in the oil refining process, Inconel 690 belts can provide excellent corrosion resistance and high temperature performance to ensure reliable operation of the equipment.

Inconel 690 belts have excellent corrosion resistance and can resist the erosion of corrosive substances such as hydrogen sulfide, acidic media and chlorine-containing compounds. At the same time, it can maintain good mechanical properties and stability in high temperature environments and meet the strict requirements of the petroleum refining and chemical industry for corrosion resistance, high strength and high temperature performance.

In the petroleum refining and chemical industry, Inconel 690 belts are widely used in equipment such as furnace tubes, heat exchangers, distillation towers and catalytic reactors. It can withstand the harsh environment of high temperature, high pressure and corrosive media, ensuring the long-term operation and safety of the equipment.

### Product Features:

**Corrosion resistance:** Inconel 690 belt has excellent corrosion resistance and can resist corrosive media in the petroleum refining industry, including acidic, alkaline and high-temperature corrosion.

**High temperature strength:** The strip has excellent high temperature strength and toughness and can withstand the high temperature and high pressure environment in the petroleum refining and chemical industry.

**Anti-oxidation properties:** Inconel 690 tape exhibits excellent antioxidant properties and is able to maintain stable performance at high temperatures for long periods of time.

### Advantage:

**Corrosion resistance:** Inconel 690 belt has excellent corrosion resistance in the petroleum refining and chemical industry. It can resist the erosion of equipment by corrosive media and extend the service life of equipment.

**High-temperature strength:** The strip has excellent high-temperature strength and toughness and is able to withstand high-temperature and high-pressure working conditions in the petroleum refining and chemical industry.

**Anti-oxidation performance:** Inconel 690 tape exhibits excellent anti-oxidation properties and can maintain stable performance for a long time in high temperature environments, reducing oxidation and corrosion of equipment.

### Specific applications:

**Distillation towers and reactors:** Inconel 690 belts can be used in key equipment components such as distillation towers and reactors in the petroleum refining and chemical industry to resist corrosion in acidic, alkaline and high-temperature environments.

**Pipes and tube bundles:** Suitable for pipeline and tube bundle systems in the petroleum refining and chemical industry, including transportation pipelines and heat exchanger tube bundles under high temperature and pressure.

**Catalysts and Catalyst Supports:** Inconel 690 tape is also used in catalysts and catalyst supports in the petroleum refining industry to provide corrosion resistance and high temperature strength.

### Other relevant knowledge:

**Composition of Inconel 690 alloy:** Inconel 690 alloy is mainly composed of alloying elements such as nickel, chromium and iron. The reasonable ratio of these elements gives the alloy excellent corrosion resistance, high temperature strength and oxidation resistance.

**Heat Treatment and Processing:** Inconel 690 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 petroleum refining and chemical industry.

**Safety and environmental protection:** The use of Inconel 690 belts can improve the safety and reliability of petroleum refining and chemical industry equipment, reduce corrosion and leakage problems, and ensure the safe operation of the petroleum refining and chemical industry.

### Parameter:

Diameter range: from 0.03 mm to 12 mm

Standard specifications: ASTM B166, AMS 5599, AMS 5666

Typical chemical composition: nickel (58-63%), chromium (27-31%), iron (7-11%), molybdenum (0.5-1.0%), zirconium (0.02-0.12%), etc.

Typical mechanical properties: tensile strength 690 MPa (minimum), yield strength 310 MPa (minimum), elongation at break 40% (minimum)

Item	C	Mn	Fe	P	S	Si	Cu	Ni	Co	Al	Ti	Cr	Nb+Ta	Mo	B
Inconel 690	≤0.05	≤0.5	7-11	--	≤0.015	≤0.5	≤0.5	≥58	--	--	--	27-31	--	--	--

### contact us

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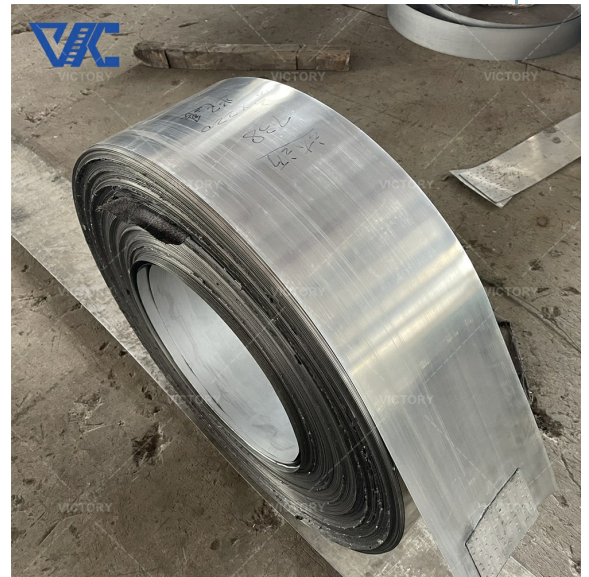
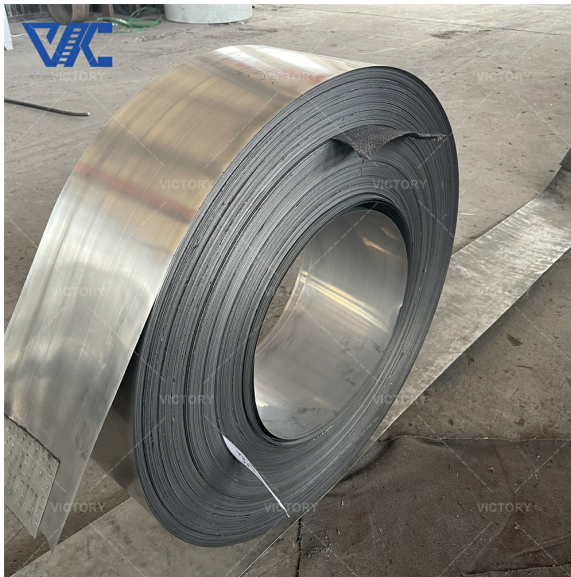
Oem service:

Welcome customized size

We are experience factory for OEM&ODM service



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



#### Q & A:

Q: Can your company provide customized dimensions and specifications for Inconel 690 strips?

A: Yes, our company offers customization services for Inconel 690 strips. We understand that different projects have unique requirements, and we work closely with our customers to provide tailored solutions in terms of dimensions, thickness, and surface finishes, ensuring that the Inconel 690 strips meet their specific needs.

Q: What is your company's approach to quality control for Inconel 690 strip production?

A: Our company follows a stringent quality control process for Inconel 690 strip production. We adhere to industry standards and employ advanced testing methods to verify the dimensional accuracy, surface quality, and material composition of our Inconel 690 strips.



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