



0.10x250mm 0.20x250mm High Corrosion Resistance Nickel Alloy Inconel 625 Strip For Corrosion-Prone Industry

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: ISO
- Model Number: Inconel 625
- Minimum Order Quantity: 50 KGS
- Price: 50 - 500 kgs \$32-\$36
- Packaging Details: Wooden Case
- Delivery Time: 21-45 working days
- Payment Terms: L/C, T/T, Western Union, Paypal
- Supply Ability: 10 Tons Per Month



Product Specification

- Surface: Bright/Acid White
- Density: 8.44 G/cm3
- Tensile Strength: 830 Mpa
- Yield Strength (0.2% Offset): 410 Mpa
- Elongation: 30%
- Melting Range: 1290-1350 °C
- Wall Tolerance: $\pm 3-5\%$
- Pipe Type: Seamless / ERW / Welded / Fabricated / LSAW Pipe
- Pipe End: Plain End, Beveled End, Treaded
- MOQ: 50KGS
- Delivery Lead Time: 21-40 Working Days
- Highlight: 0.20x250mm Inconel 625 Strip,
Corrosion Resistance Inconel 625 Strip,
0.10x250mm Inconel 625 Strip



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Product Description

0.10x250mm 0.20x250mm High Corrosion Resistance Nickel Alloy Inconel 625 Foil Strips

Inconel 625 is a high-performance nickel-chromium alloy known for its excellent strength and resistance to oxidation and corrosion.

What are the corrosion-resistant properties of Inconel 625?

1. Oxidation Resistance:

Inconel 625 forms a stable oxide layer at high temperatures, which protects the underlying metal from further oxidation.

2. Pitting and Crevice Corrosion Resistance:

The alloy's high chromium content provides excellent resistance to pitting and crevice corrosion, particularly in chloride environments.

3. Stress Corrosion Cracking (SCC) Resistance:

Inconel 625 is highly resistant to stress corrosion cracking, which is crucial in applications involving high tensile stresses and corrosive media.

4. General Corrosion Resistance:

It demonstrates remarkable resistance to a wide range of corrosive environments, including acids, alkalis, and saltwater.

5. Biocompatibility:

Inconel 625 is often used in medical applications due to its biocompatibility and resistance to corrosion in body fluids.

6. High-Temperature Corrosion Resistance:

It maintains its corrosion resistance at elevated temperatures, making it suitable for applications in gas turbines and other high-heat environments.

These properties make Inconel 625 a preferred choice for industries like aerospace, chemical processing, and marine, where corrosion resistance is critical.

What are the common applications of Inconel 625?

1. Aerospace:

Gas turbine components
Exhaust systems
Heat exchangers

2. Marine:

Components exposed to seawater, such as propeller shafts and marine hardware
Offshore oil and gas platforms

3. Chemical Processing:

Reactors and vessels for corrosive chemicals
Heat exchangers and piping systems
Equipment in the production of nitric acid and other chemicals

4. Oil and Gas:

Downhole tubing and casings
Subsea equipment
Components for high-temperature and high-pressure environments

5. Nuclear Industry:

Components in nuclear reactors due to its corrosion resistance and strength

6. Power Generation:

Boiler tubes and superheaters in power plants
Components in waste heat recovery systems

7. Pharmaceuticals:

Equipment used in the production of pharmaceuticals, where cleanliness and corrosion resistance are critical.

These applications highlight Inconel 625's versatility and reliability in harsh environments.

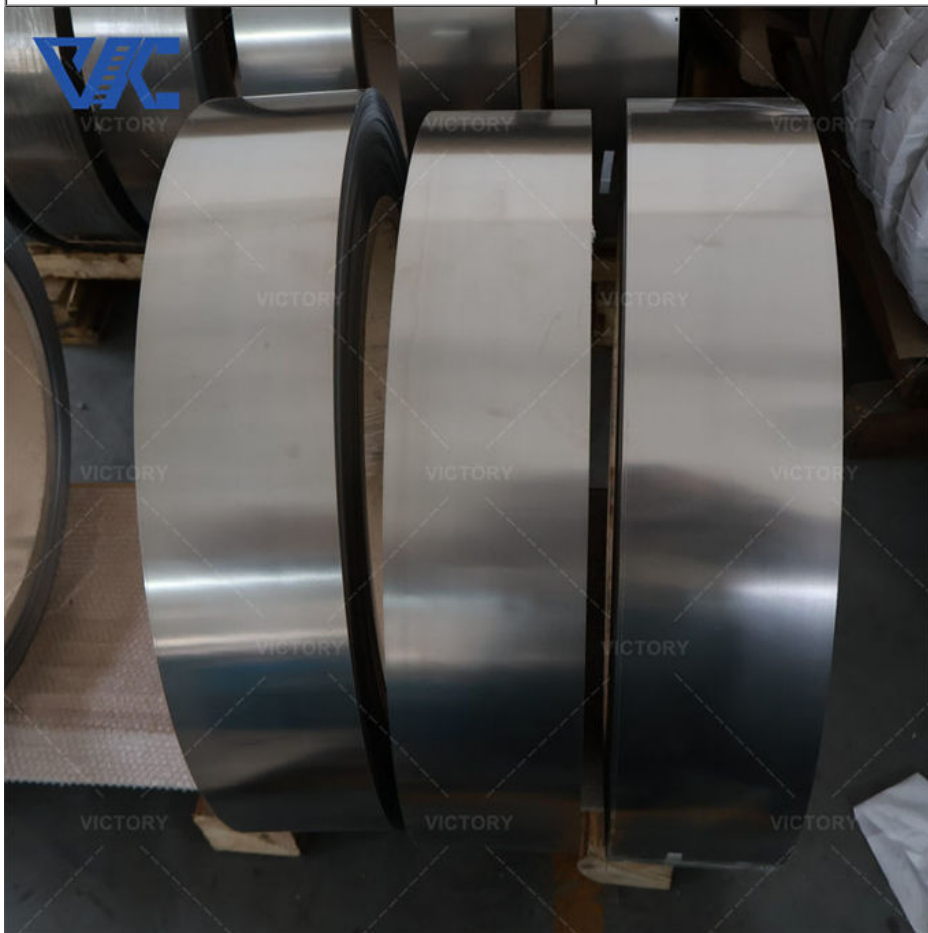
Inconel Alloy Series Composition:

Item	Inconel 600	Inconel 601	Inconel 617	Inconel 625	Inconel 690	Inconel718	Inconel X750	Inconel 825
C	≤0.15	≤0.1	0.05-0.15	≤0.08	≤0.05	≤0.08	≤0.08	≤0.05
Mn	≤1	≤1.5	≤0.5	≤0.35	≤0.5	≤0.35	≤1	≤1
Fe	6-10	rest	≤3	rest	7-11	rest	5-9	≥22
P	≤0.015	≤0.02	≤0.015	--	--	--	--	--

S	≤0.015	≤0.015	≤0.015	≤0.015	≤0.015	≤0.01	≤0.01	≤0.03
Si	≤0.5	≤0.5	≤0.5	≤0.35	≤0.5	≤0.35	≤0.5	≤0.5
Cu	≤0.5	≤1	--	≤0.3	≤0.5	≤0.3	≤0.5	1.5-3
Ni	≥7.2	58-63	≥44.5	50-55	≥58	50-55	≥70	38-46
Co	--	--	10-15	≤10	--	≤1	≤1	--
Al	--	1-1.7	0.8-1.5	≤0.8	--	0.2-0.8	0.4-1	≤0.2
Ti	--	--	≤0.6	≤1.15	--	≤1.15	2.25-2.75	0.6-1.2
Cr	14-17	21-25	20-24	17-21	27-31	17-21	14-17	19.5-23.5
Nb+Ta	--	--	--	4.75-5.5	--	4.75-5.5	0.7-1.2	--
Mo	--	--	8-10	2.8-3.3	--	2.8-3.3	--	2.5-3.5
B	--	--	≤0.006	--	--	--	--	--

Inconel 625 Alloy Parameter:

Density(g/cm3)	Melting Point (°C)
8.44	1320-1370 °C





Changzhou Victory Technology Co., Ltd



+8619906119641



victory@dlx-alloy.com



victory-alloy.com

NO.32 West Taihu Road, Xinbei District, Changzhou, Jiangsu