



## Premium Grade UNS N06625 Inconel Alloy 625 Seamless Nickel Pipe Tubes For Corrosive Environments

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-\$40
- 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: 655 Mpa
- Yield Strength (0.2% Offset): 310 Mpa
- Elongation: 38%
- 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: **Inconel Alloy 625 Seamless Nickel Pipe, UNS N06625 Nickel Pipe Tubes, UNS N06625 Inconel Alloy 625 Tubes**



### More Images



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## Product Description

### ASTM B167 UNS N06600 Nickel Alloy Inconel 600 Seamless / Welded Pipe Tubes With Factory Price

Inconel 625 is a nickel-based superalloy that exhibits excellent resistance to corrosion, high-temperature strength, and oxidation resistance. It is a versatile material that finds numerous applications in various industries.

#### What is the properties of Inconel 600 pipe?

- 1. Composition:** Inconel 625 is primarily composed of nickel (58-63%), chromium (20-23%), and molybdenum (8-10%). It also contains small amounts of other elements such as iron, niobium, and titanium.
- 2. Corrosion Resistance:** Inconel 625 has exceptional resistance to a wide range of corrosive environments, including acids, alkalis, and seawater. This makes it suitable for use in applications where high corrosion resistance is required.
- 3. High-Temperature Strength:** Inconel 625 maintains its strength and mechanical properties even at elevated temperatures, making it suitable for high-temperature applications.
- 4. Oxidation Resistance:** The alloy's chromium content provides excellent oxidation resistance, allowing it to withstand high-temperature environments without significant degradation.
- 5. Fabrication:** Inconel 625 pipe can be fabricated using various techniques, such as seamless drawing, welding, and brazing. It can be easily formed, welded, and machined.

#### Main Applications of Inconel 625 Pipe:

Inconel 625 pipe is widely used in a variety of industries due to its unique properties. Some of the common applications include:

- 1. Oil and Gas Industry:** Inconel 625 pipes are used in oil and gas exploration, production, and refining processes due to their corrosion resistance and high-temperature strength. They are commonly used in downhole equipment, pipelines, and offshore structures.
- 2. Chemical Processing Industry:** Inconel 625 pipes are used in the construction of chemical processing equipment, such as reactors, heat exchangers, and piping systems, where corrosive environments and high temperatures are present.
- 3. Power Generation:** Inconel 625 pipes are used in the construction of power generation equipment, such as gas turbines, steam turbines, and boilers, where high-temperature strength and oxidation resistance are essential.
- 4. Aerospace and Defense:** Inconel 625 is used in the aerospace and defense industries for components such as combustion chambers, afterburners, and other high-temperature applications.
- 5. Marine Applications:** Inconel 625 pipes are used in marine environments, including shipbuilding and offshore structures, due to their excellent resistance to seawater corrosion.

#### 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	≤0.10	≤0.05	≤0.08	≤0.08	≤0.05
Mn	≤1	≤1.5	≤0.5	≤0.50	≤0.5	≤0.35	≤1	≤1
Fe	6-10	rest	≤3	≤5.00	7-11	rest	5-9	≥22
P	≤0.015	≤0.02	≤0.015	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	≤0.50	≤0.5	≤0.35	≤0.5	≤0.5
Cu	≤0.5	≤1	--	--	≤0.5	≤0.3	≤0.5	1.5-3
Ni	≥7.2	58-63	≥44.5	Balance	≥58	50-55	≥70	38-46
Co	--	--	10-15	≤1.00	--	≤1	≤1	--
Al	--	1-1.7	0.8-1.5	≤0.40	--	0.2-0.8	0.4-1	≤0.2
Ti	--	--	≤0.6	≤0.40	--	≤1.15	2.25-2.75	0.6-1.2
Cr	14-17	21-25	20-24	20-23	27-31	17-21	14-17	19.5-23.5
Nb+Ta	--	--	--	3.15-4.15	--	4.75-5.5	0.7-1.2	--

Mo	--	--	8-10	8.0-10.0	--	2.8-3.3	--	2.5-3.5
B	--	--	≤0.006	--	--	--	--	--

Inconel 625 Alloy Parameter:

Inconel 625	Tensile strength (Rm N/mm2)	Yield strength (RP0.2N/mm2)	Elongation A5 (%)	Brinell hardness (HB)	Density(g/cm3 )	Melting Point (°C)
Annealing	760	350	30	≤220	8.44	1290-1350°C
Solution treatment	720	300	35	≤210		







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