



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

Our Product Introduction

Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: ISO
- Model Number: Inconel 600
- Minimum Order Quantity: 50 KGS
- Price: 50 - 500 kgs \$33-\$41
- 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: 8.47 G/cm3
- Tensile Strength: 655 Mpa
- Yield Strength (0.2% Offset): 310 Mpa
- Elongation: 40%
- Melting Range: 1350 – 1413 °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 600 Seamless Pipe, UNS N06600 Nickel Alloy Welded Tubes, ASTM B167 Welded Pipe**



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Product Description

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Inconel 600 is part of the Inconel family of superalloys, which are known for their superior high-temperature performance and corrosion resistance. It is widely used in industries where these properties are crucial for reliable and long-lasting operation, it could retain strength, toughness and resistance to corrosion in a high temperature environment.

Inconel 600 is used in process heaters and high purity water systems in nuclear reactors.

What is the main application of Inconel 600 pipe?

1. Power Generation:

Inconel 600 pipes are widely used in nuclear power plants, both in the primary coolant systems and in the steam generators. They are also used in fossil fuel power plants, particularly in high-temperature and high-pressure components such as superheater tubes, reheater tubes, and header components.

2. Chemical Processing:

Inconel 600 pipes are used in a wide range of chemical processing equipment, including reactors, heat exchangers, valves, and piping systems.

The alloy's excellent corrosion resistance makes it suitable for handling aggressive chemicals, acids, and high-temperature environments.

3. Oil and Gas Industry:

Inconel 600 pipes are used in various oil and gas applications, such as drilling equipment, downhole tools, and offshore components.

The alloy's strength and corrosion resistance make it well-suited for the harsh environments encountered in the oil and gas industry.

4. Aerospace and Defense:

Inconel 600 pipes are used in aerospace and defense applications, including engine components, fasteners, and structural parts.

The alloy's high-temperature strength and durability are important in these demanding applications.

5. Petrochemical Industry:

Inconel 600 pipes are used in the petrochemical industry, particularly in furnace components and reformer tubes, where high-temperature resistance is essential.

6. Marine Applications:

Inconel 600 pipes are used in marine applications, such as ship components and desalination plants, where corrosion resistance is critical.

Inconel Alloy Series Composition:

Item	Inconel 600	Inconel 601	Inconel 617	Inconel 625	Inconel 690	Inconel 718	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 600 Alloy Parameter:

Inconel 600	Tensile strength (Rm N/mm2)	Yield strength (RP0.2N/mm2)	Elongation A5 (%)	Brinell hardness (HB)	Density(g/cm3)	Melting Point (°C)
Annealing	550	240	30	≤195	8.4	1370~1425°C
Solution treatment	500	180	35	≤185		





Changzhou Victory Technology Co., Ltd



+8619906119641



victory@dlx-alloy.com



victory-alloy.com

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