



## Excellent Corrosion Resistant Superalloy Nickel Chrome Inconel 600 Seamless Tube Welded Pipe

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: ISO9001 ROHS
- Model Number: Inconel 600
- Minimum Order Quantity: 30 Kg
- Price: Negotiable
- Packaging Details: Inconel 600 rod packed in Spool Carton box, Coil package with polybag, then in woodencase
- Delivery Time: 20~40 Days
- Payment Terms: L/C, T/T, Western Union, MoneyGram
- Supply Ability: 300 tons per month



### Product Specification

- Name: Excellent Corrosion Resistant Superalloy Nickel Chrome Inconel 600 Seamless Tube Welded Pipe
- Material: Nickel Chromium Iron
- Ni (Min): 72%
- Density: 8.47 G/cm<sup>3</sup>
- Melting Point: 1,370-1,425°C
- Elongation (≥ %): 30 %
- Thermal Conductivity: 15.9 W/m·K
- Finishing: Bright, Oxided
- Application: Construction, Industry Oil, Piping Systems
- Yield Strength: 240 MPa
- Tensile Strength: 550 MPa
- Hardness: ≤ 160 HB
- Standard: ASTM, ASME
- Size: 1/2"-12"



### More Images



### Product Description

#### The performance characteristics of Inconel 600 tube

**Excellent corrosion resistance:** Inconel 600 has outstanding corrosion resistance, capable of withstanding many corrosive environments, such as the chemical industry, marine environments, and high temperature environments.

**High temperature resistance:** Inconel 600 tubing can be used for long-term service at temperatures up to 1100°C, making it suitable for high temperature industrial applications.

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**Good mechanical properties:** Inconel 600 tubing has relatively high strength, toughness and fatigue performance, able to withstand high mechanical stresses.

**Low thermal expansion coefficient:** Inconel 600 has a low thermal expansion coefficient, which is beneficial for maintaining dimensional stability of the tubing under temperature variations.

**Excellent oxidation resistance:** Inconel 600 tubing can form a dense oxide layer at high temperatures, effectively preventing further oxidation of the inner metal.

### The differences between seamless and welded tubing/pipes

#### Manufacturing process:

Seamless tubes are produced by piercing a solid billet or ingot and then further reducing the diameter and increasing the length.

Welded tubes are formed by bending a flat metal sheet/strip and joining the edges together using a welding process.

#### Structural integrity:

Seamless tubes have a more uniform and continuous structure without any welded seams.

Welded tubes have a welded joint along the length, which can be a potential weak point.

#### Surface quality:

Seamless tubes generally have a smoother and more uniform surface finish.

Welded tubes may have some surface irregularities along the weld line.

#### Strength and toughness:

Seamless tubes typically have higher strength and impact toughness compared to welded tubes.

The weld joint in welded tubes can be a point of weakness.

#### Cost and availability:

Seamless tubes are generally more expensive to manufacture than welded tubes.

Welded tubes are often more readily available and can be produced in a wider range of sizes and shapes.

### Parameter:

#### Chemical Properties of Inconel 600

C	Cr	Ni+Co	Al	Ti	Fe	Nb+Ta	Mn	Si	P	S
≤0.15	14.0 17.0	≥72	≤0.35	≤0.50	6.0 10.0	≤1.0	≤1.0	≤0.5	≤0.04	≤0.015

ITEM	θ/°C	TENSIE STRENGTH				HBS
		σb/MPa	σP0.2/MPa	δ5/%	φ/%	
BAR/ROD	20	≥585	≥240	≥30	-	134 217
RING	20	≥520	≥205	≥35	-	≥187
HOT ROLL PLATE	20	≥550	≥240	≥35	≥40	-
	900	≥95	≥45	≥40	≥50	-
COLD ROLLED SHEET	20	≥550	≥240	≥30	-	-
	900	≥90	≥40	≥60	-	-
COLD ROLLED SHEET	20	≥550	≥200	≥30	-	-
STRIP	20	≥550	≥240	≥30	-	-
WIRE	20				-	HV≤151

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

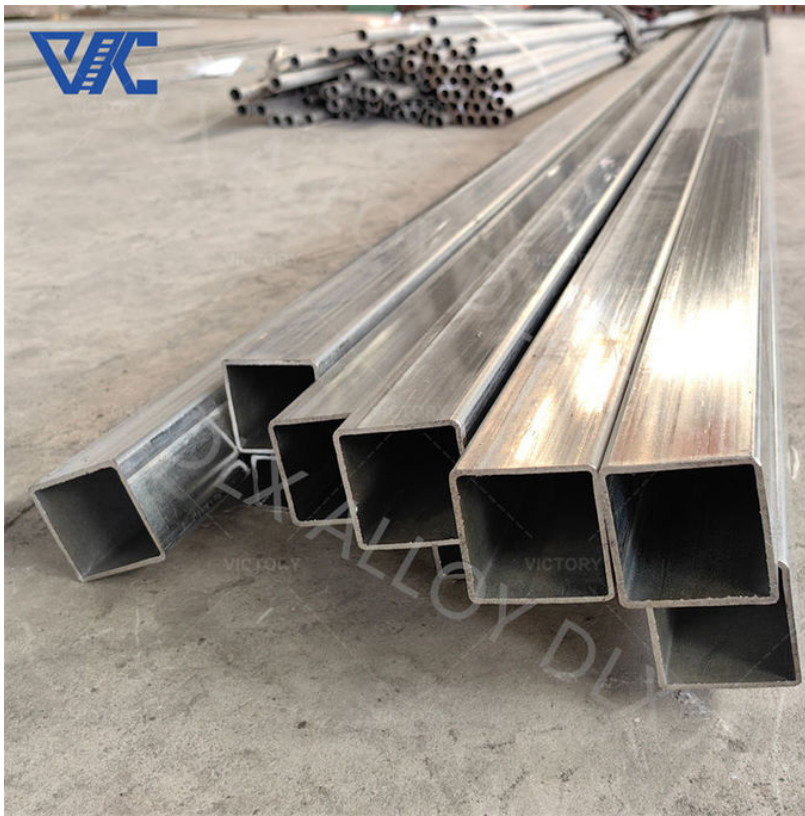
### contact us

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