



Oil And Gas Industry Inconel 600 Tube With Good Plasticity

Our Product Introduction

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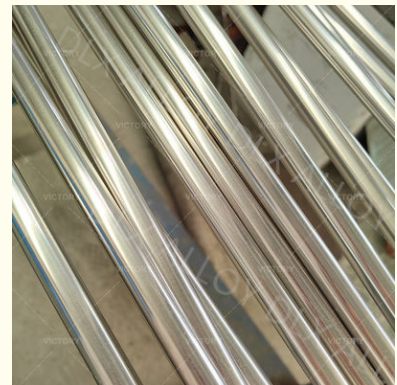
Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE,ROHS,ISO 9001
- Model Number: Inconel 600
- Minimum Order Quantity: 1 Kg
- Price: Negotiable
- Packaging Details: Packed as coil. Special packaging requirements can also be accommodated. OEM is also acceptabl
- Delivery Time: 7 to 20 Days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union, MoneyGram
- Supply Ability: 500 Ton/Tons per Month



Product Specification

- Name: Inconel 600 Tube
- Material: Ni Cr Fe
- Ni (Min): 72%
- Density: 8.47 G/cm3
- Melting Point: 1354-1413 °C
- Tensile Strength: 550 MPa
- Elongation: 30%
- Yield Strength: 240 MPa
- Specific Heat: 444 J/kg-°C
- Application: Petroleum Refining Equipment, Pipeline Systems, Processing Equipment
- Surface: Bright,Oxidized
- Highlight: Inconel Alloy Tube,
Corrosion Resistant Inconel Alloy Pipe,
Nickel Alloy Inconel Tube



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Product Description

Introduction:

Inconel 600 pipe is a pipe material widely used in the oil and gas industry. Its main components are nickel (Ni), chromium (Cr) and iron (Fe), with a minimum nickel content of 72%, a density of 8.4 g/cubic centimeter, and a melting point of 1371 degrees Celsius. The pipe has a tensile strength of 550 MPa, an elongation of 30% and a yield strength of 240 MPa. Its specific heat capacity is 444 Joules/kg-C. Inconel 600 pipe is widely used in petroleum refining equipment, piping systems and processing equipment. Its excellent corrosion resistance and high temperature strength enable it to withstand the corrosive media, high temperature environments and high pressure conditions found in the oil and gas industry. Whether in petroleum refining equipment, piping systems or processing equipment, Inconel 600 pipe provides reliable performance, ensuring safe operation and long-term use of equipment.

Characteristic:

Corrosion resistance: Inconel 600 pipe has excellent corrosion resistance and performs well against common corrosive media in oil and gas, such as acid gas, brine, sulfide, etc.

Oxidation resistance: The alloy has good oxidation resistance and can maintain structural integrity in high temperatures and oxidizing environments, reducing oxidation losses of equipment.

High temperature strength: Inconel 600 pipe has good high temperature strength and deformation resistance, and can maintain high mechanical properties under high temperature conditions.

Good welding properties: The alloy has good welding properties, which facilitates connections during manufacturing and installation.

Advantage:

Corrosion resistance: Inconel 600 pipe can withstand the erosion of acid gas, salt water, sulfide and other corrosive media in the oil and gas industry, improving the durability and service life of equipment.

Oxidation resistance: The alloy's oxidation resistance enables it to maintain structural integrity in high temperatures and oxidizing environments, reducing oxidation losses in equipment.

High temperature stability: Inconel 600 pipe can maintain high strength and mechanical properties in high temperature environments and is suitable for high temperature oil and gas processing processes.

Good plasticity: The alloy has good plasticity and processability, making it easy to manufacture pipes and equipment of various shapes and sizes.

Application:

Oil and natural gas well pipe: Inconel 600 pipe can be used to manufacture oil and natural gas well pipes, which can withstand high temperatures and corrosive media to ensure the effective extraction and transportation of oil and natural gas.

Petroleum refining equipment: This alloy can be used to manufacture pipes, furnace tubes and heaters in petroleum refining equipment, such as cracking furnaces, reforming units, etc. Its corrosion resistance and high temperature strength make it suitable for corrosive media and high temperature conditions in various oil refining processes.

Natural gas processing equipment: Inconel 600 pipe can be used to manufacture natural gas processing equipment, such as desulfurizers, desulfurization towers and dehydration towers. Its corrosion resistance and high temperature strength make it suitable for handling acidic gases and corrosive media in natural gas.

Pipeline systems: This alloy can be used to manufacture oil and natural gas transmission pipeline systems, including pipelines for transporting acid gases, brine and sulfides, such as oil field pipelines, natural gas pipelines, etc.

Other relevant knowledge points:

Inconel 600 is a nickel-chromium-iron-based alloy that contains small amounts of copper and other elements to improve its corrosion resistance and high-temperature strength.

The alloy has good mechanical properties, including good ductility and strength, making it suitable for complex oil and gas industry applications.

Inconel 600 is a solid solution strengthened alloy whose properties can be adjusted by controlling the content of alloying elements and the heat treatment process.

In addition to the oil and gas industry, Inconel 600 is also widely used in aerospace, energy, chemical and other fields, such as aircraft engine parts, nuclear power plant equipment, chemical reactors, etc.

When using Inconel 600 pipe, it is necessary to select the appropriate pipe diameter, wall thickness and connection method according to the specific process conditions and media to ensure the stable operation and safety of the equipment.

Parameter:

Chemical Properties of Inconel 600

Element	Percent
Nickel (plus Cobalt) (Min)	72
Chromium	14-17
Iron	6-10
Carbon (Max)	.15
Manganese (Max)	1
Sulfur (Max)	.015
Silicon (Max)	.5
Copper (Max)	.5

Type we could offer

AMS Number	Alloy	Cross Ref. Spec	Misc./Shape
AMS 5540	Inconel 600		

AMS Number	Alloy	Cross Ref. Spec	Misc./Shape
AMS 5540 Plate	Inconel 600	-	Plate
AMS 5540 Sheet	Inconel 600	-	Sheet
AMS 5540 Strip	Inconel 600	-	Strip
AMS 5580 Custom Tube	Inconel 600	-	Custom Tube
AMS 5580 Tubing	Inconel 600	-	Tubing
AMS 5665 Bar	Inconel 600	-	Bar
AMS 5665 Custom Tube	Inconel 600	-	Custom Tube
AMS 5665 Ring	Inconel 600	-	Ring
AMS 5961	Inconel 600	-	Wire

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 Oem service:
 Welcome customized size
 We are experience factory for OEM&ODM service



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



Q&A:

Q: In which industries are Inconel 600 tubes widely used?

A: Inconel 600 tubes are extensively used in the chemical, oil and gas, and high-temperature equipment industries.

Q: What are the key characteristics of Inconel 600 tubes?

A: Inconel 600 tubes exhibit excellent corrosion resistance, high-temperature capabilities, and oxidation resistance.



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