



## ASTM B829 Uns N06625 Inconel 625 Seamless Tubes For Oil And Gas Industry

Our Product Introduction

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### Basic Information

- Place of Origin: China
- Brand Name: Victory
- Certification: CE, ROHS, ISO 9001
- Model Number: Inconel 625
- Minimum Order Quantity: 1 Kg
- Price: Negotiable
- Packaging Details: Packed as coil. Special packaging requirements can also be accommodated. OEM is also acceptable
- 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

- Product Name: Inconel 625 Pipe
- Material: Ni Cr Fe
- Ni (Min): 58%
- Application: Oil Well Pipelines, High Temperature Cracking Units, Distillation Towers
- Density (g/m<sup>3</sup>): 8.44 G/cm<sup>3</sup>
- Thermal Expansion Coefficient: 12.8 X 10<sup>-6</sup> /°C
- Thermal Conductivity: 13.3 W/(m·K)
- Elongation: 45%
- Melting Point: 1290-1350°C
- Yield Strength: 275 MPa
- Tensile Strength: 620 MPa
- Highlight: Inconel 625 Seamless Tubes, Uns N06625 Seamless Tubes, Inconel 625 Pipe Fittings



### More Images



### Product Description

## Introduction:

Inconel 625 pipe is a high-temperature alloy pipe composed of elements such as nickel, chromium and iron, which has excellent properties. It is mainly used in oil well pipelines, high temperature cracking units and distillation towers in the petroleum industry. The pipe has high density (8.44 g/cm<sup>3</sup>), thermal expansion coefficient (12.8×10<sup>-6</sup>/°C) and thermal conductivity (13.3 W/(m·K)), as well as good ductility (45 %), melting point is between 1290-1350°C. Its yield strength is 275 MPa and its tensile strength is 620 MPa. Overall, Inconel 625 pipe is an ideal material choice in the oil and gas industry, providing stable and reliable performance in harsh operating environments.

## Characteristic:

**Corrosion resistance:** Inconel 625 pipe has excellent corrosion resistance and can withstand corrosive media such as acids, alkalis and chlorides.

**Oxidation resistance:** The pipe has excellent antioxidant properties in high temperature environments and can resist oxidation and thermal corrosion.

**High strength:** Inconel 625 pipe has high strength and hardness and can withstand working requirements under high pressure and high temperature conditions.

## Advantage:

**Corrosion resistance:** One of the advantages of Inconel 625 pipe in the oil and gas industry is its excellent corrosion resistance, which can reduce corrosion losses in pipelines and equipment and increase equipment life.

**High temperature stability:** Inconel 625 pipe can maintain high strength and stability in high temperature environments and is suitable for high temperature oil and gas processing processes.

**Oxidation resistance:** The anti-oxidation performance of this pipe can protect the inside of the pipeline from oxidation and thermal corrosion, ensuring the reliability and safety of the pipeline.

## Application:

**Oil extraction:** Inconel 625 pipe can be used in high-temperature and high-pressure oil well pipelines, water injection pipelines and oil and gas separation equipment in the oil extraction process. It can withstand high pressure, high temperature and corrosive media and is used to transport and process crude oil and natural gas.

**Refining industry:** Inconel 625 pipe can be used in high-temperature cracking units, distillation towers and catalytic cracking units in the refining industry. It is able to withstand high temperatures and corrosive conditions and is used to process and convert petroleum feedstocks.

**Natural gas processing:** Inconel 625 pipe can be used in high-temperature and high-pressure pipelines, liquefied natural gas equipment and corrosive media processing equipment in the natural gas processing process. It can withstand the action of corrosive gases and liquids and is used in the transmission, storage and processing of natural gas.

## Other relevant knowledge points:

The oil and gas industry refers to a range of industrial sectors involved in the exploration, extraction, processing and transportation of oil and natural gas. In these areas, material selection requires considerations such as corrosion resistance, high temperature performance, oxidation resistance, high strength, and compatibility with the process media.

Inconel 625 pipe is a commonly used high-temperature alloy pipe with a wide range of applications in the oil and gas industry. However, in specific cases, other material options may also need to be considered.

The design and manufacture of oil and gas industry equipment needs to follow relevant safety standards and specifications to ensure the safety, reliability and compliance of the equipment with industry requirements.

## Parameter:

### Chemical Properties of Inconel 625

Nickel	Chromium	Molybdenum	Iron	Niobium and Tantalum	Cobalt	Manganese	Silicon
58%	20%-23%	8%-10%	5%	3.15%-4.15%	1%	0.5%	0.5%

### Type we could offer

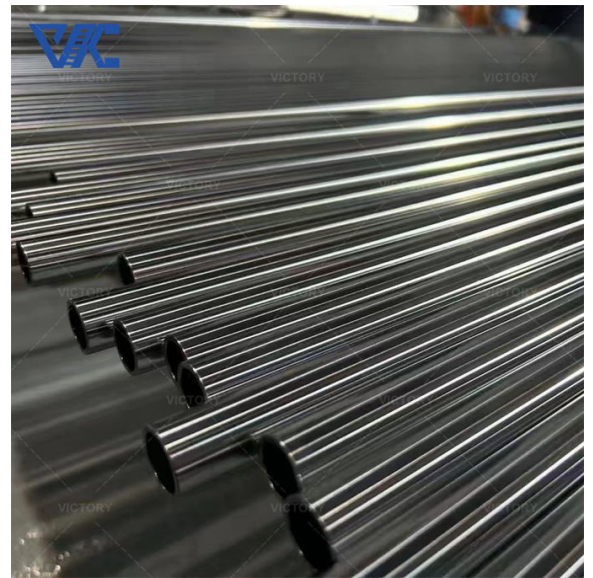
AMS Number	Alloy	Type	UNS	Cross Ref. Spec	Misc./Shape
AMS 5581	Inconel 625	Nickel	N06625		
AMS 5581 Custom Tube	Inconel 625	Nickel	N06625	-	Custom Tube
AMS 5581 Tubing	Inconel 625	Nickel	N06625	-	Tubing
AMS 5599	Inconel 625	Nickel	N06625		

AMS Number	Alloy	Type	UNS	Cross Ref. Spec	Misc./Shape
AMS 5599 Plate	Inconel 625	Nickel	N06625	-	Plate
AMS 5599 Sheet	Inconel 625	Nickel	N06625	-	Sheet
AMS 5599 Strip	Inconel 625	Nickel	N06625	-	Strip
AMS 5666	Inconel 625	Nickel	N06625		
AMS 5666 Bar	Inconel 625	Nickel	N06625	-	Bar
AMS 5666 Custom Tube	Inconel 625	Nickel	N06625	-	Custom Tube
AMS 5666 Forging	Inconel 625	Nickel	N06625	-	Forging
AMS 5666 Ring	Inconel 625	Nickel	N06625	-	Ring
AMS 5869	Inconel 625	Nickel	N06625		
AMS 5869 Plate	Inconel 625	Nickel	N06625	-	Plate
AMS 5869 Sheet	Inconel 625	Nickel	N06625	-	Sheet
AMS 5869 Strip	Inconel 625	Nickel	N06625	-	Strip

**contact us**  
**email: [victory@dlx-alloy.com](mailto:victory@dlx-alloy.com)**  
 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: Does your company offer customized solutions for Inconel 625 tubes?

A: Yes, we provide customized solutions for Inconel 625 tubes to meet specific customer requirements. Our team works closely with clients to understand their needs and deliver tailored products that meet their exact specifications.

Q: Can your company manufacture Inconel 625 tubes in non-standard sizes or shapes?

A: Absolutely. We have the capability to manufacture Inconel 625 tubes in non-standard sizes and shapes, offering flexibility to accommodate unique project demands. Our advanced manufacturing processes enable us to produce customized tubes that align with our customers' specific design and dimensional requirements.



**Changzhou Victory Technology Co., Ltd**



+8619906119641



victory@dlx-alloy.com



victory-alloy.com

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