



ZHEHENG STEEL

Wenzhou Zheheng Steel Industry Co.,Ltd  
stainless-steelseamlesspipe.com

## ASTM B444 Inconel 625 Seamless Welded Pipe UNS N06625/ With Cold-Worked

Our Product Introduction

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### Basic Information

- Place of Origin: Wenzhou, China
- Brand Name: Zheheng
- Certification: ISO9001
- Model Number: Inconel N06625
- Minimum Order Quantity: MOQ500kg
- Packaging Details: Seaworthy Standard Package
- Delivery Time: 7-15 working days after receiving payment
- Payment Terms: L/C, D/P, T/T, Western Union
- Supply Ability: 5000 Ton/Tons per Month



### Product Specification

- NPS: 1/8"-24"
- Payment Term: 30%TT Advance + 70% Balance
- Wall Thickness: SCH10S, SCH40, SCH XS, SCH 60, SCH80S, SCH12020, SCH1160, SCH
- Delivery Time: 15-21 Days
- Application: Valves And Gears, Engine Components, High Strength And Boat Propeller Shafts, Plastic Moulding Dies
- Section Shape: Round
- Finished: Solution Annealed Condition, annealed Condition
- Price Term: FOB CIF CFR EXW Etc.
- Grade: GR.1, GR.2
- Highlight: Inconel 625 Seamless Welded Pipe, Inconel Seamless Welded Pipe, UNS N06625 Inconel Seamless Pipe



## Product Description

### Overview

ASTM B444 Seamless Pipe is a nickel-based super alloy that offers properties of high strength and resistance to elevated temperatures. It also demonstrates remarkable protection against oxidation and corrosion. ASTM B444 grade 1 has the ability to high stress and a wide range of temperatures, both in and out of water, as well as being able to resist corrosion while being exposed to highly acidic environments makes it a proper choice for marine and nuclear applications. B444 UNS N06625 is invented for the purpose of creating a material that could be useful for steam-line piping. Some changes were made to its original composition that has enabled it to be even more weldable and creep-resistant.

Inconel 625 Welded Pipes are a superalloy that has been solid solution strengthened for use in both elevated temperature and high pressured applications. The pipes produced under ASTM B444 UNS N06625 specification often indicates that these pipes have a seamless construction.

### Chemical composition

Grade	C	Mn	Si	S	Cu	Fe	Ni	Cr
ASTM B 444 UNS N06625	0.10max	0.50 max	0.50 max	0.015max	–	5.0 max	58.0 min	20.0 – 23.0

### Mechanical Properties

Element	Density	Melting Point	Tensile Strength	Yield Strength (0.2%Offset)	Elongation
ASTM B444 UNS N06625	8.4 g/cm <sup>3</sup>	1350 °C (2460 °F)	Psi – 1,35,000 , MPa – 930	Psi – 75,000 , MPa – 517	42.50%

### Application

1. Petrochemical industry. Due to their excellent high temperature, corrosion and pressure resistance, they are used to manufacture pipelines, storage tanks and reactors under high temperature and pressure to meet the requirements of the petrochemical industry for material strength and corrosion resistance.

2. Aerospace field. In this field, the required materials must have the characteristics of lightweight, high strength and high temperature resistance. The Inconel625 pipe meets these requirements and is therefore used to manufacture key components such as engine nozzles, combustion chambers, turbine blades and exhaust systems to ensure aircraft can take off, land and fly ely.

3. Medical device manufacturing field. Due to its good corrosion resistance and biocompatibility, it is widely used in the manufacture of human implants and surgical instruments, such as heart stents, artificial joints, bone nails and dental equipment.

### Heat-treated conditions

Grade 1 (annealed)—Material is normally employed in service temperatures up to 1100°F (593°C).

Grade 2 (solution annealed)—Material is normally employed in service temperatures above 1100°F (593°C) when resistance to creep and rupture is required.

### Why choose us

1. Size control
2. Chemical composition control
4. ultrasonic testing of steel tube
3. hydraulic testing machine

### Package detail



## Shipping



1. Packing type: Carton and wooden case, also be packaged according to customer requirements.
2. Modes of transportation: by sea, by air or land transportation, of course, a small amount can also be by Express.



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