



ZHEHENG STEEL

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



Round Stainless Steel Pipe Seamless Schedule 40 A335 P11 60mm

Our Product Introduction

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Basic Information

- Place of Origin: Wenzhou, China
- Brand Name: Zheheng
- Certification: API
- Model Number: Alloy pipe
- Minimum Order Quantity: MOQ500kg
- Packaging Details: In wooded cases or pallets, or as for clients requirement
- Delivery Time: 7-15 working days after receiving payment
- Payment Terms: L/C, D/P, T/T, Western Union
- Supply Ability: 1000 Ton/Tons per Month



Product Specification

- Port: Ningbo
- OD: $\Phi 6$ --630mm
- Section Shape: Round
- Price Terms: FOB, CIF, CFR, EXW
- Length: 1-12m
- Technique: Hot Rolled
- Wall Thickness: 1-40mm
- Application: Spacecraft Turbine Blades Of Jet Engines, Nuclear Reactors
- Highlight: **Round Stainless Steel Pipe Seamless, A335 Stainless Steel Pipe, 60mm Stainless Steel Seamless Pipe**



Product Description

Molybdenum Feature

The A335 pipes has a high level of Chromium and Molybdenum presence in it. While Molybdenum increases the overall strength, resistance, elasticity, hardenability and overall quality, moly ensures that the material is more resistant to softening, restrains the growth of grains and lessens the chances of embrittlement. It is the single additive that is responsible for the increase in high temperature resistance and it also improves the corrosion resistance to steel

ASTM A335 Feature

High-temperature resistance: ASTM A335 seamless steel pipe is designed to withstand high temperatures up to 600°C (1112°F), making it an ideal material for high-temperature applications such as steam pipelines and heat exchangers.

Corrosion resistance: ASTM A335 seamless steel pipe exhibits good corrosion resistance in aggressive environments, such as those found in chemical processing and oil and gas industries.

High strength: ASTM A335 seamless steel pipe has high tensile strength and yield strength, making it ideal for use in high-pressure applications. Good weldability: ASTM A335 seamless steel pipe can be easily welded using traditional methods, with no need for preheating or post-weld heat treatment.

Uniform properties: ASTM A335 seamless steel pipe is produced using a consistent manufacturing process, ensuring that each pipe has uniform properties and quality.

Cost-effective: Despite its superior properties, ASTM A335 seamless steel pipe remains an affordable option for high-temperature applications.

Chemical Composition

Grade	UNS	C≤	Mn	P≤	S≤	Si≤	Cr	Mo
P11	K11597	0.05-0.15	0.30-0.61	0.025	0.025	0.50-1.00	1.00-1.50	0.44-0.65

Mechanical Properties

Mechanical properties	Tensile, min, ksi[MPa]	Yield, min, ksi[MPa]	Elongation, %(min)	Hardness, HB(max)
P11	60[415]	30[205]	30	-

Corrosion resistance

Alloy Steel Grade P11 is an ideal material for industrial applications that require corrosion resistance, particularly in hostile and marine environments. In addition to low carbon, sulfur, and phosphorus content, this alloy steel grade has Chromium, Molybdenum, and Manganese which give it superior corrosion protection compared to other stainless steel alloys. Grade P11 is extensively used in the production of pipes and tubes, valve parts, and flanges.

Heat Resistance

Alloy Steel Grade P11 stands out due to its incredible heat resistance. It provides the user with better protection against ultra-high temperature stress and strain, wears, and oxidation than traditional carbon steel. Furthermore, it is well suited for cryogenic temperatures and has excellent toughness at both subzero and elevated temperature conditions.

Scope of use

- 1.Oil & gas production & refining; petrochemical processing; power generation; automotive manufacturing & repair; aerospace components;
- 2.nuclear fuel cycle components; pressure vessels & piping systems; valves & fittings; fasteners & flanges; turbine blades; compressor parts & more.
- 2.Forgings for the petrochemical and nuclear industries.
- 3.Heat exchangers, pressure vessels, and pipes for the oil and gas industry.
- 4.Turbine blades, fasteners, and valves for the power generation industry.
- 5.Automotive industry for the production of exhaust systems and engine components.
- 6.Chemical industry for the production of storage tanks and reaction vessels.
- 7.Food processing industry for the production of food handling equipment.
- 8.Construction industry for the fabrication of structural steel components.
- 9.Mining industry for the production of mine equipment and support structures.
- 10.Marine industry for the construction of ships and offshore structures.

Advantage

- 1.Withstand high temperatures and has good corrosion resistance.
2. biocompatible and can be used in implants and other medical devices.
- 3.non-toxic

Package Process

- 1.with plastic cap to protect both ends
- 2.weaving bag wrapped outside the pipe
- 3.then pack into wooden case.

Image



Company introduction

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