



ZHEHENG STEEL

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



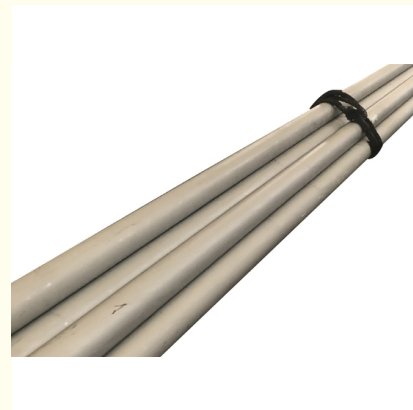
Food Grade Sanitary Stainless Steel Pipe ASTM A335 P9 1-40mm

Our Product Introduction

for more products please visit us on stainless-steelseamlesspipe.com

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: $\Phi 6-630\text{mm}$
- Section Shape: Round
- Price Terms: FOB, CIF, CFR, EXW
- Length: 1-12m
- Technique: Hot Rolled
- Wall Thickness: 1-40mm
- Application: Medical Industry
- Highlight: Food Grade Sanitary Stainless Steel Pipe, ASTM A335 Stainless Steel Pipe, P9 Stainless Seamless Pipe



Product Description

Overview

ASTM A335 P9 is a specialized seamless ferritic alloy steel pipe for high-temperature service. It is commonly used in power plants and petrochemical industries for applications requiring high-temperature resistance and toughness. The chemical composition includes chromium, molybdenum, and vanadium, which provide excellent corrosion resistance, high strength, and good weldability. ASTM A335 P9 has a maximum working temperature of 600°C and a maximum operating pressure of 65 bar.

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
P9	S50400	0.15	0.30-0.60	0.025	0.025	0.50-1.00	8-10.00	0.44-0.65

Mechanical Properties

Mechanical properties	Tensile, min, ksi[MPa]	Yield, min, ksi[MPa]	Elongation, %(min)	Hardness, HB(max)
P9	60[415]	30[205]	30	-

Elongation

Elongation in 2 in or 50mm or 4D minimum%:

For wall thickness 5/16 in [8mm] and over: Longitudinal 30% and Transverse 20%.

Elongation smaller 2 in or 50mm or 4D minimum%:

For wall thickness 5/16 in [8mm] and over: Longitudinal 22% and Transverse 14%.

For strip tests a deduction of each 0.8mm below 8mm shall be calculated with the Table 5 in ASTM A335.

Test

Tensile tests: Transverse and Longitudinal

Flattening test of ASTM A999/A999M

Hardness test not exceeding 250 HBW/265 HV30 [25HRC]

Bend Test shall be carried as per ASTM A370

Hydrostatic Test is required, depending on the buyer's decision both Hydrostatic test and a nondestructive test could be carried out.

Use

power plants and chemical plants

construction of industrial furnaces

aerospace industry

medical field

food processing industry

coins and medals

electrical components

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

□



ZHEHENG STEEL

Wenzhou Zheheng Steel Industry Co.,Ltd

☎ 15858820108

✉ sales@zhehengsteel.com

🌐 stainless-steelseamlesspipe.com

No999 .wenzhou airport wenzhou city,zhejiang china