OD Tolerance ±0.4mm Hot Rolling Alloy Seamless Steel Pipe and Seamless Steel Tubing for Structural Engineering

Our Product Introduction

Basic Information

- Brand Name: Zhengshen
- Certification: ISO, GOST
- Minimum Order Quantity: 1ton
- Price: USD500-700
- Packaging Details: Bundle
- Delivery Time: UPTO THE QUANTITY
- Payment Terms: T/T,L/C
- Supply Ability: 10000TONS PER MONTH



Product Specification

- Manufacture: Hot Rolled
- Manufacturing Process: Hot Rolling, Cold Drawing, Extrusion
- Quality Control: 100% Inspection
- Alloy: Alloy
- Third Inspection: OMIC , SGS BV
- Sulfur Content: ≤0.025% (T11)
- Service: Cutting Any Length As Request
- Testing: Hydrostatic Test, Ultrasonic Test, Eddy Current Test
- Highlight: **OD Tolerance ±0.4mm Seamless Steel Pipe**, **Hot Rolling Seamless Steel Tubing**, **Alloy Seamless Steel Pipe**



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Our Product Introduction

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Product Description

Product Overview

The Zhengshen Seamless Steel Pipe is a high-quality alloy product engineered to meet the rigorous demands of diverse industrial applications. Manufactured through advanced hot rolling and cold drawing techniques, this seamless round steel pipe delivers exceptional strength, durability, and precision, making it an ideal choice for construction, automotive, oil and gas, and machinery manufacturing sectors.

A defining characteristic of this seamless steel pipe is its alloy composition, which ensures superior mechanical properties and enhanced resistance to wear and corrosion. The alloy materials contribute significantly to the pipe's ability to withstand high pressures and harsh environmental conditions, extending its service life and reliability. Whether used in high-temperature environments or subjected to heavy mechanical stress, this seamless steel tubing maintains its integrity and performance.

The manufacturing process begins with hot rolling, a technique that shapes the steel into a hollow tube without any seams. This improves structural uniformity and eliminates the weaknesses often associated with welded seams. Following hot rolling, the pipe undergoes cold drawing to achieve precise dimensional tolerances and a smooth surface finish. This combination results in a seamless steel tubing product that is both robust and accurate, meeting stringent engineering standards.

Quality control is paramount in production. Every pipe is subjected to 100% inspection, ensuring that only products meeting the highest standards reach the customer. This comprehensive inspection includes checks for dimensional accuracy, surface defects, mechanical properties, and chemical composition. The rigorous quality assurance guarantees reliable performance in critical applications and compliance with international quality certifications.

The seamless construction offers significant benefits over welded alternatives. The absence of welds eliminates potential weak points, reducing the risk of leaks and failures under pressure. This makes the seamless steel tubing particularly suitable for transporting fluids and gases in pipelines, hydraulic systems, and heat exchangers. Its seamless nature also allows for easier fabrication and welding when required, providing versatility in installation and maintenance.

Furthermore, the seamless round steel pipe is available in various sizes and thicknesses to cater to diverse project requirements. Its adaptability and consistent quality make it a preferred choice among engineers and designers seeking reliable and efficient piping solutions.

Key Features

Product Name: Seamless Steel Pipe

Manufacturing Process: Hot Rolling, Cold Drawing, Extrusion

Quality Control: 100% Inspection to ensure durability and reliability

Alloy: High-quality alloy materials used

Surface Treatment: Available in Bare, Oiled, and Black Painting finishes

Type: Seamless Round Steel Pipe

Exceptional strength and corrosion resistance

Ideal for applications requiring precision and seamless steel tubing quality

Trusted for uniformity and performance across various industries

Technical Parameters

Type	Seamless Round Steel Pipe
Alloy	Alloy
Manufacture	Hot Rolled
Manufacturing Process	Hot Rolling, Cold Drawing, Extrusion
Third Inspection	OMIC, SGS, BV
Quality Control	100% Inspection
Sulfur Content	≤0.025% (T11)
Testing	Hydrostatic Test, Ultrasonic Test, Eddy Current Test
OD Tolerance	±0.4mm (10.29–48.3mm)
Port	Tianjin or Qingdao

Applications

The Zhengshen Seamless Steel Pipe, originating from China, is manufactured through advanced hot rolled and cold drawn techniques. It is designed with a precise outer diameter tolerance of ±0.4mm for sizes ranging from 10.29mm to 48.3mm, ensuring exceptional dimensional accuracy. With a low sulfur content of ≤0.025% (T11), this seamless steel tubing offers superior strength, durability, and resistance to corrosion, making it ideal for a wide range of demanding industrial applications.

Zhengshen seamless steel tubing is widely used in industries that require reliable and high-performance piping solutions:

- **Oil and Gas:** Pipeline transportation of fluids and gases under high pressure and temperature conditions, thanks to excellent mechanical properties and a seamless structure that eliminates weak points.
- **Automotive:** Manufacture of hydraulic systems, fuel injection tubes, and exhaust components where precision and strength are critical.
- **Power Generation:** Boilers and heat exchangers where high temperature resistance and durability are essential; the seamless construction ensures no weak joints, improving safety and efficiency.
- **Other Industries:** Aerospace, shipbuilding, and chemical processing, where the versatility of seamless steel tubing supports a variety of custom applications.

In summary, Zhengshen seamless steel tubing—with its hot rolled and cold drawn manufacturing process, tight dimensional tolerances, and low sulfur content—provides a reliable, high-strength solution for a multitude of applications. Whether in energy, automotive, construction, or manufacturing sectors, these seamless steel pipes meet the rigorous demands of modern industrial use, delivering durability, precision, and safety wherever they are applied.

Customization

Zhengshen offers customized seamless steel tubing services originating from China, ensuring high-quality products tailored to your specific needs. Our manufacturing process includes hot rolling, cold drawing, and extrusion, allowing us to produce seamless steel tubing with precise dimensions and superior strength.

We provide cutting services for seamless steel tubing to any length as requested, accommodating various project requirements. Our seamless steel tubing comes with an outer diameter tolerance of ±0.4mm for sizes ranging from 10.29mm to 48.3mm, ensuring consistent and reliable dimensions.

With a sulfur content of ≤0.025% (T11), our seamless steel tubing meets stringent quality standards. Additionally, we offer third-party inspections from OMIC, SGS, and BV to guarantee the integrity and performance of every seamless steel tubing product we deliver.

Support and Services

Our Seamless Steel Pipe product is backed by comprehensive technical support and services to ensure optimal performance and customer satisfaction. We provide detailed product specifications, installation guidelines, and maintenance instructions to help you achieve the best results in your applications.

Our experienced technical team is available to assist with product selection, design considerations, and troubleshooting to meet your specific project requirements. We also offer custom solutions and can accommodate special requests regarding dimensions, materials, and finishes.

Quality assurance is a top priority; all our seamless steel pipes undergo rigorous testing and inspection to comply with international standards.

We provide certification and documentation to guarantee product reliability and safety.

For ongoing support, we offer training sessions and resources to educate your team on proper handling, storage, and usage of seamless steel pipes. Our commitment is to deliver not only superior products but also exceptional service throughout the lifecycle of your project.

Packing and Shipping

Our Seamless Steel Pipes are carefully packaged to ensure maximum protection during transportation and handling. Each pipe is individually coated with anti-rust oil and wrapped with a protective film to prevent surface damage and corrosion.

The pipes are then bundled securely with steel straps and placed on sturdy wooden pallets or cradles to maintain stability and prevent movement. For added safety, the bundles are often covered with plastic sheets or tarpaulins to protect against moisture and dust.

During shipping, we use reliable transportation methods tailored to the destination and customer requirements, including container shipping, flat rack, or bulk cargo. All packaging and shipping processes comply with international standards to guarantee the pipes arrive at their destination in perfect condition.

Custom packaging options are also available upon request to meet specific needs or regulations.

Frequently Asked Questions

Q1: What is the brand name of the seamless steel pipe?

A1: The seamless steel pipe is manufactured under the brand name Zhengshen.

Q2: Where is the Zhengshen seamless steel pipe produced?

A2: The Zhengshen seamless steel pipe is produced in China.

Q3: What are the typical applications of Zhengshen seamless steel pipes?

A3: Zhengshen seamless steel pipes are commonly used in industries such as oil and gas, construction, automotive, and machinery due to their strength and durability.

Q4: What materials are used to manufacture Zhengshen seamless steel pipes?

A4: Zhengshen seamless steel pipes are manufactured from high-quality carbon steel or alloy steel, ensuring excellent mechanical properties and corrosion resistance.

Q5: What specifications and sizes are available for Zhengshen seamless steel pipes?

A5: Zhengshen seamless steel pipes are available in various diameters, wall thicknesses, and lengths to meet different industrial requirements. Custom sizes can also be provided upon request.

Product Gallery















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