FBE Coating Precision Steel Pipe with 0.5-25mm Wall Thickness Hot Rolled Precision Seamless Steel Pipe

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

- Wall Thickness: 0.5-25mm
- Wallthicknessrange: 0.5mm To 20mm
- Corrosionresistance: Good (depending On Material And Coating)
- Transport Package: Export Standard Package/as Request
- Technique: Hot Rolled
- Application: Boiler And Heat Exchanger
- Manufacturingprocess: Cold Drawing, Hot Rolling
- Ends: Bevelled End Or Plain Ends
- Highlight: **FBE Coating Precision Steel Pipe**, **0.5-25mm Wall Thickness Precision Steel Pipe**, **Hot Rolled Precision Seamless Steel Pipe**



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Product Description

Product Overview

The Precision Steel Pipe is a high-quality product engineered to meet the demanding requirements of various industrial applications. Known for its excellent corrosion resistance, its performance is influenced by the choice of material and coating. Whether fabricated from carbon steel or stainless steel, the pipe exhibits strong corrosion resistance, making it suitable for environments where durability and longevity are critical. Corrosion resistance is further enhanced through advanced coating techniques—including FBE (Fusion Bonded Epoxy), 2PE, 3PE, and 3PP—which provide additional protection against harsh environmental factors and chemical exposure.

Manufactured using the hot rolled technique, the Precision Steel Pipe ensures superior mechanical properties essential for heavy-duty applications. The hot rolling process contributes to the pipe's high tensile strength and good toughness, enabling it to withstand significant mechanical stress and pressure without deforming or failing. This makes it an ideal choice for industries such as oil and gas, construction, automotive, and manufacturing, where reliability and safety are paramount.

The product lineup includes various forms such as the Precision Steel Cylinder Pipe and Precision Seamless Pipe, both engineered to deliver exceptional dimensional accuracy and surface finish. The Precision Steel Cylinder Pipe is specifically designed to provide uniform wall thickness and precise dimensions, which are critical for applications requiring tight tolerances and smooth surface quality. Similarly, the Precision Seamless Pipe is produced without any welded seams, resulting in enhanced strength and resistance to pressure—crucial for high-pressure fluid transport and structural applications.

Additionally, the High Precision Steel Pipe category offers advanced solutions for industries that demand exacting standards in pipe manufacturing. These pipes are characterized by minimal dimensional deviations and superior surface smoothness, ensuring optimal performance in precision engineering and high-tech industries. The combination of high tensile strength, good toughness, and excellent corrosion resistance makes these pipes versatile and reliable for use in complex and challenging environments.

Steel grades used for these pipes include carbon steel and stainless steel, each selected based on the specific requirements of the application. Carbon steel pipes are prized for their strength and cost-effectiveness, making them suitable for structural and mechanical uses. Stainless steel pipes, on the other hand, offer outstanding corrosion resistance and aesthetic appeal, ideal for applications in chemical processing, food and beverage industries, and environments where hygiene is important.

The various coating types—FBE, 2PE, 3PE, and 3PP—play a crucial role in enhancing the durability and lifespan of the pipes. FBE coating provides excellent adhesion and corrosion protection, especially for underground and underwater pipelines. The 2PE and 3PE coatings offer multi-layered protection against mechanical damage and environmental corrosion, making them suitable for harsh operating conditions. The 3PP coating, known for its polypropylene layer, adds another dimension of protection through excellent chemical resistance and impact resistance.

Key Features

- Product Name: Precision Steel Pipe
- Wall Thickness Range: 0.5mm to 20mm
- Corrosion Resistance: Good (depending on material and coating)
- Steel Grade: Carbon Steel, Stainless Steel
- Ends: Bevelled End or Plain Ends
- Transport Package: Export Standard Package or as per request
- High-quality Precision Seamless Steel Pipe for various applications
- Durable and accurate Precision Steel Round Pipe
- Available in different specifications of Precision Steel Round Pipe

Technical Parameters

Coating Type	FBE, 2PE, 3PE, 3PP
Steel Grade	Carbon Steel, Stainless Steel
Transport Package	Export Standard Package / as Request
Ends	Bevelled End or Plain Ends
Application	Boiler and Heat Exchanger
Wall Thickness Range	0.5mm to 20mm
Type	Seamless
Wall Thickness	0.5–25mm
Length	Customized
Technique	Hot Rolled

This Precision Steel Tube, also known as Precision Seamless Steel Pipe or Precision Steel Pipe, is designed to meet high-quality standards for industrial applications.

Applications

The **Zhengshen** Precision Steel Pipe, manufactured in **China**, is renowned for its exceptional quality and versatility. Produced through advanced **cold drawing** and **hot rolling** processes, this product ensures superior dimensional accuracy and mechanical properties, making it an ideal choice for various demanding applications. With a wall thickness range from **0.5mm to 20mm** and available in both **carbon steel** and **stainless steel** grades, the Zhengshen Precision Steel Tube caters to diverse industrial needs.

One of the primary application occasions for the **High Precision Steel Tube** is in the automotive industry, where precise dimensions and durability are critical. These pipes are extensively used in manufacturing components such as fuel injection systems, hydraulic cylinders, and structural parts that require exact tolerances and high strength. The smooth surface and consistent wall thickness of the **Precision Seamless Pipe** ensure reliable performance and long service life under high pressure and dynamic loads.

In addition, the Zhengshen Precision Steel Tube is widely employed in the machinery and equipment manufacturing sector. Its ability to withstand wear and corrosion makes it suitable for pneumatic and hydraulic systems, precision instruments, and mechanical components. The availability of bevelled or plain ends allows for easy installation and welding, enhancing its adaptability in complex system assemblies.

The construction and infrastructure industry also benefits from the **Precision Steel Tube** due to its robustness and precision. It is used in structural frameworks, scaffolding, and pipelines that require stringent safety standards and longevity. The export standard packaging ensures that the pipes reach their destination in optimal condition, ready for immediate use in various construction projects worldwide.

Customization Services

Zhengshen offers high precision steel pipe customization services tailored to meet your specific requirements. Our high precision steel pipe products are manufactured in China using premium carbon steel and stainless steel grades to ensure durability and performance. We provide options for bevelled ends or plain ends according to your project needs.

Utilizing advanced hot rolled techniques, our high precision steel pipe guarantees excellent dimensional accuracy and surface quality. The standard specification available is 10mm, but we can accommodate customized sizes upon request. All products are carefully packaged using export standard packages or as per customer instructions to ensure safe transportation.

Choose Zhengshen for reliable, high precision steel pipe solutions that combine quality materials, precise manufacturing, and flexible customization options to support your industrial applications.

Support and Services

Our Precision Steel Pipe product is backed by comprehensive technical support and services to ensure optimal performance and customer satisfaction. We provide detailed product information, including specifications, dimensions, and material properties, to help you select the right pipe for your application.

Our experienced technical team is available to assist with installation guidance, maintenance tips, and troubleshooting advice to maximize the lifespan and efficiency of the precision steel pipes. We also offer customization services to meet specific project requirements, including various sizes, grades, and finishes.

To maintain the highest quality standards, our precision steel pipes undergo rigorous testing and quality control procedures. We provide certification and documentation upon request to guarantee compliance with industry standards.

For ongoing support, we offer training sessions and technical workshops to keep your team informed about the latest technologies and best practices related to precision steel pipe usage.

Our commitment extends beyond the sale, offering after-sales service and support to address any issues promptly, ensuring your operations run smoothly and efficiently.

Packing and Shipping

Our Precision Steel Pipes are carefully packaged to ensure maximum protection during transit. Each pipe is wrapped with anti-corrosion paper and secured with steel straps to prevent movement and damage. The pipes are then bundled together and placed on sturdy wooden pallets for easy handling and transportation.

For shipping, we offer flexible options including container loading, bulk shipment, and special packaging upon request. All shipments are thoroughly inspected before dispatch to guarantee the highest quality standards are maintained. We coordinate with reliable logistics partners to ensure timely and safe delivery of your Precision Steel Pipes to the desired destination.

Frequently Asked Questions

Q1: What is the brand of the Precision Steel Pipe?

A1: The Precision Steel Pipe is manufactured under the brand name Zhengshen.

Q2: Where is the Precision Steel Pipe produced?

A2: The Precision Steel Pipe is produced in China.

Q3: What are the typical applications of Zhengshen Precision Steel Pipes?

A3: Zhengshen Precision Steel Pipes are commonly used in mechanical parts, automotive components, machinery, and structural applications requiring high precision and strength.

Q4: What materials are used to make Zhengshen Precision Steel Pipes?

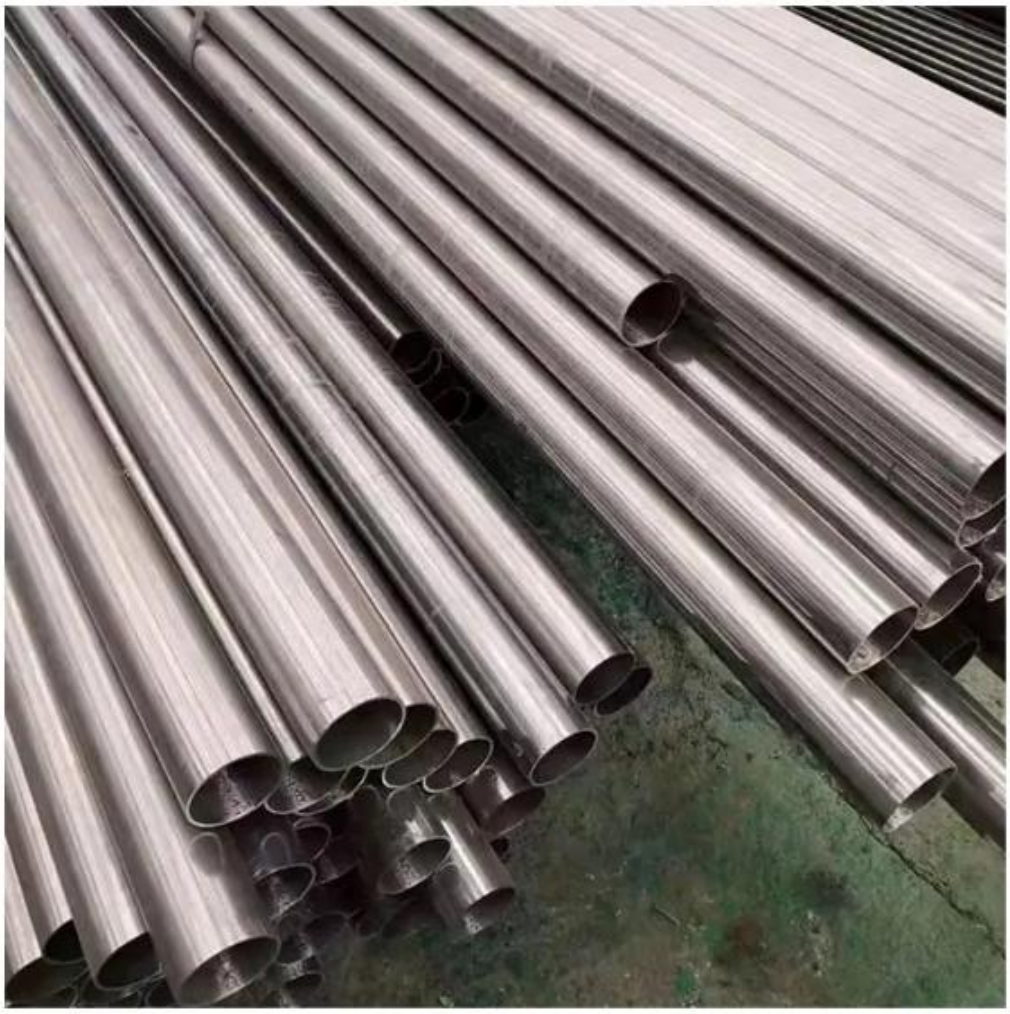
A4: Zhengshen Precision Steel Pipes are made from high-quality carbon steel or alloy steel, ensuring durability and precision in dimensions.

Q5: Can I get customized sizes for Zhengshen Precision Steel Pipes?

A5: Yes, Zhengshen offers customization options for precision steel pipes based on specific size and tolerance requirements.

Product Gallery













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