Hot Rolled Precision Steel Pipe and Precision Steel Tube with High Tensile Strength for Boiler and Heat Exchanger

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

- Specification: 10mm
- Transport Package: Export Standard Package/as Request
- Mechanicalproperties: High Tensile Strength, Good Toughness
- Technique: Hot Rolled
- Wall Thickness: 0.5-25mm
- Application: Boiler And Heat Exchanger
- Corrosionresistance: Good (depending On Material And Coating)
- Lengh: Customized
- Highlight: **Hot Rolled Precision Steel Pipe**, **Boiler Heat Exchanger Precision Steel Tube**, **High Tensile Strength Precision Steel Pipe**



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Product Description

Product Overview

The High Precision Steel Pipe is engineered to meet the rigorous demands of modern industrial applications, offering exceptional quality and reliability. Designed with a 10mm specification, this precision steel pipe ensures optimal performance across construction, manufacturing, and infrastructure development sectors. Its precise dimensions and high-quality material composition make it an ideal choice for projects requiring accuracy and durability.

A standout feature of this Precision Steel Round Pipe is its advanced coating options, including FBE (Fusion Bonded Epoxy), 2PE (Two-layer Polyethylene), 3PE (Three-layer Polyethylene), and 3PP (Three-layer Polypropylene). These coatings are meticulously applied to enhance corrosion resistance, significantly extending the pipe's service life even in harsh environments. Corrosion resistance is classified as good, though it largely depends on the specific material and coating used, providing flexibility to meet different operational needs.

Mechanically, the High Precision Steel Pipe boasts high tensile strength and excellent toughness. These properties ensure the pipe can withstand substantial stress and pressure without deformation or failure, making it suitable for high-stress environments such as oil and gas pipelines, water supply systems, and structural frameworks. The combination of high tensile strength and good toughness also contributes to overall durability, reducing maintenance costs and downtime.

The manufacturing process adheres to stringent quality control standards, ensuring each pipe meets exacting specifications for dimensional accuracy and material integrity. This attention to detail guarantees consistent performance and reliability—critical for applications where precision and safety are paramount.

For logistics, the High Precision Steel Pipe is packaged according to export standard packages or customized packaging requests. This ensures the pipes are well-protected during transportation, minimizing the risk of damage and ensuring they arrive in perfect condition. Packaging solutions are designed to facilitate easy handling and storage, streamlining the supply chain process.

Key Features

- Product Name: Precision Steel Pipe
- Technique: Hot Rolled
- Wall Thickness: 0.5–25mm
- Steel Grade: Carbon Steel, Stainless Steel
- Specification: 10mm
- Mechanical Properties: High Tensile Strength, Good Toughness
- High-quality Precision Seamless Steel Pipe ensuring durability and reliability
- Superior Precision Steel Tubing with excellent dimensional accuracy
- Manufactured as High Precision Steel Tube suitable for various industrial applications

Technical Parameters

Technique	Hot Rolled
Coating Type	FBE, 2PE, 3PE, 3PP
Steel Grade	Carbon Steel, Stainless Steel
Wall Thickness	0.5–25mm
Corrosion Resistance	Good (depending on material and coating)
Ends	Bevelled End or Plain Ends
Transport Package	Export Standard Package / as Request
Manufacturing Process	Cold Drawing, Hot Rolling
Wall Thickness Range	0.5mm to 20mm
Application	Boiler and Heat Exchanger

Applications

The Zhengshen Precision Steel Hollow Pipe, originating from China, is a high-quality product designed to meet the stringent demands of various industrial applications. Manufactured with superior carbon steel and stainless steel grades, these pipes offer exceptional durability and resistance

to corrosion, making them ideal for environments where strength and longevity are critical. Precision engineering ensures each Precision Steel Tube maintains consistent dimensions and superior surface finishes—essential for seamless integration into complex systems.

One of the primary application occasions for Zhengshen's High Precision Steel Pipe is in the construction and maintenance of boilers and heat exchangers. The ability to customize length and wall thickness—ranging from 0.5mm to 25mm—allows these pipes to be tailored precisely to the specifications required for efficient thermal performance and safety standards. Whether utilized in industrial power plants, chemical processing units, or HVAC systems, these pipes ensure reliable heat transfer and withstand high pressure and temperature conditions effectively.

The ends of these steel pipes can be customized as bevelled ends or plain ends, facilitating straightforward welding and connection processes. This flexibility caters to various fabrication requirements and installation scenarios, enhancing the overall efficiency of assembly and maintenance operations. Additionally, the high precision of these steel tubes minimizes the need for additional machining or finishing, reducing production time and costs.

In scenarios where precision and quality cannot be compromised—such as aerospace, automotive manufacturing, and high-end construction projects—Zhengshen's Precision Steel Hollow Pipe stands out as a dependable solution. Its consistent dimensional accuracy and robust material properties support applications requiring tight tolerances and exceptional mechanical performance. Furthermore, the availability of both carbon steel and stainless steel grades ensures suitability for a wide range of environmental conditions and operational demands.

Customization

Zhengshen Precision Steel Pipe offers comprehensive product customization services for Precision Steel Hollow Pipe to meet diverse industrial needs. Manufactured in China using advanced hot rolled techniques, our High Precision Steel Pipe ensures superior mechanical properties—including high tensile strength and good toughness—making it ideal for demanding applications.

Our Precision Steel Cylinder Pipe is available in a 10mm specification and can be customized with various coating types such as FBE, 2PE, 3PE, and 3PP to enhance durability and corrosion resistance. We provide flexible transport packaging options, including export standard packages or tailored solutions as per customer requests, ensuring safe and efficient delivery.

Choose Zhengshen for reliable, high-quality Precision Steel Hollow Pipe products that combine precision engineering with robust material performance, perfectly suited for your specialized requirements.

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 specifications, installation guidance, and maintenance recommendations tailored to your specific applications. Our expert technical team is available to assist with any inquiries regarding product selection, compatibility, and customization options. Additionally, we offer on-site inspections and quality assurance services to guarantee that our precision steel pipes meet stringent industry standards. Continuous support throughout the product lifecycle is our commitment to helping you achieve reliable and efficient outcomes.

Packing and Shipping

Our Precision Steel Pipes are carefully packaged to ensure maximum protection during transit. Each pipe is individually wrapped with protective materials to prevent surface damage and corrosion. The pipes are then securely bundled and strapped to maintain their shape and integrity.

For shipping, we use sturdy wooden crates or steel frames depending on the size and quantity of the order. All packages are clearly labeled with handling instructions to ensure safe delivery. We work with reliable logistics partners to guarantee timely and safe arrival of the products to your destination.

Special packaging requirements can also be accommodated upon request to meet specific customer needs or international shipping standards.

Frequently Asked Questions

Q1: What is the brand name 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 materials are used in the Precision Steel Pipe?

A3: The Precision Steel Pipe is made from high-quality steel to ensure durability and precision.

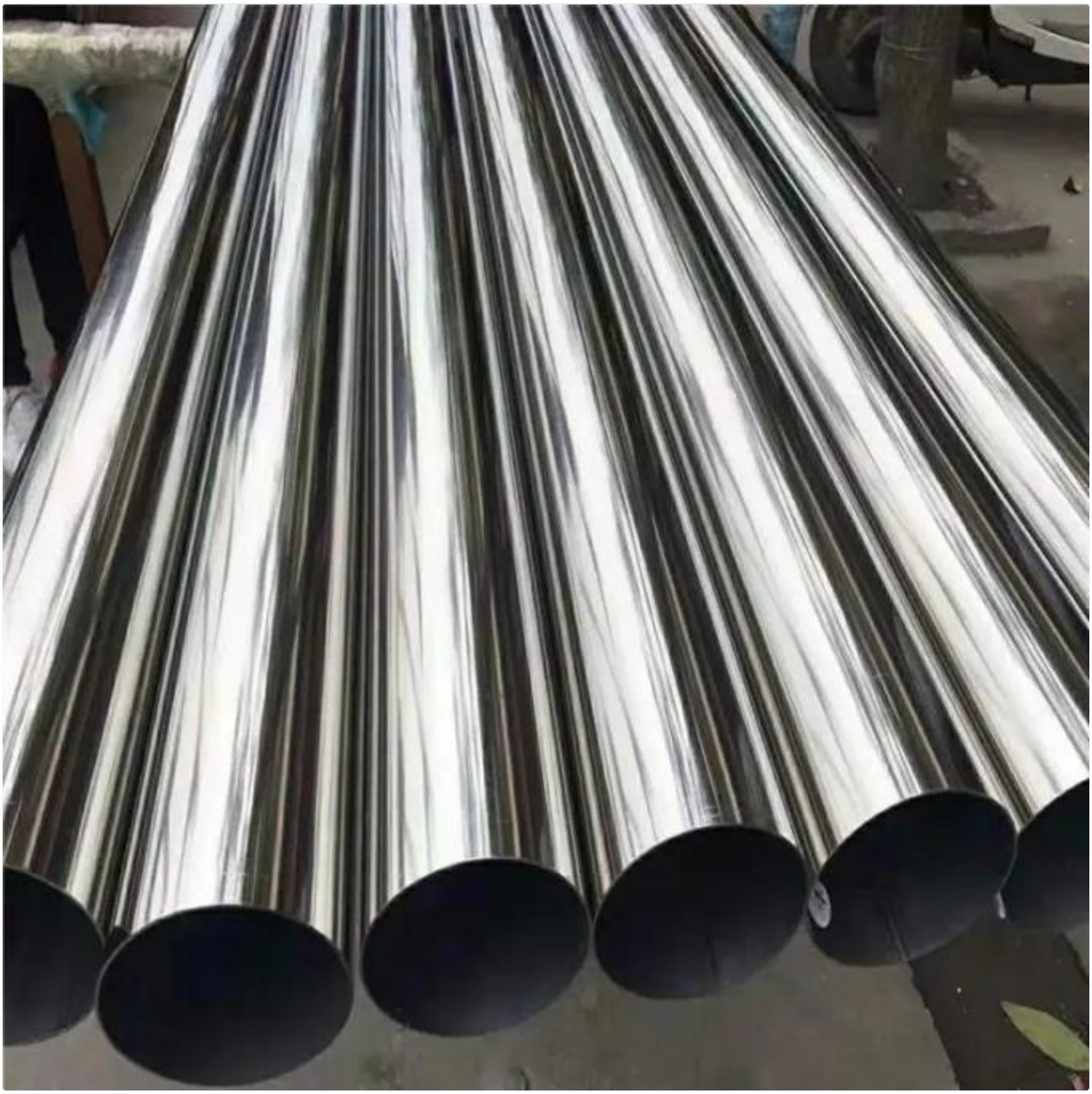
Q4: What are the typical applications of Precision Steel Pipes?

A4: Precision Steel Pipes are commonly used in automotive, construction, machinery, and industrial applications where high accuracy and strength are required.

Q5: How can I ensure the Precision Steel Pipe meets my specifications?

A5: Zhengshen provides detailed product specifications and can customize dimensions and tolerances to meet your project requirements. You can contact their sales team for more information.

Product Gallery













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