Cold Drawing Process Precision Steel Pipe with 3PE Coating and Wall Thickness Range 0.5mm To 20mm for Structural Precision Steel Tube

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

- Manufacturingprocess: Cold Drawing, Hot Rolling
- Lengh: Customized
- Ends: Bevelled End Or Plain Ends
- Transport Package: Export Standard Package/as Request
- Coating Type: Fbe, 2PE, 3PE, 3PP
- Application: Boiler And Heat Exchanger
- Specification: 10mm
- Technique: Hot Rolled
- Highlight: **3PE Coating Precision Steel Pipe**, **Cold Drawing Process Precision Steel Tube**, **0.5mm To 20mm Precision Steel Pipe**



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Our Product Introduction

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Product Description

Product Overview

The Precision Steel Pipe is a high-quality product engineered to meet the rigorous demands of a wide range of industrial applications. Manufactured using advanced hot rolling and cold drawing techniques, it delivers excellent dimensional accuracy and consistent performance. The hot rolled process enhances the mechanical properties of the steel while providing a superior surface finish and structural integrity, making it a preferred choice for precision steel tubing solutions.

One of the key features of this pipe is its versatility in end finishes. It is available with bevelled ends or plain ends, allowing for easy customization and seamless integration into different piping systems. Bevelled ends are particularly beneficial for applications requiring welding, as they provide a smooth and secure joint, while plain ends are suitable for straightforward connections and fittings. This flexibility makes the precision seamless pipe highly adaptable to a wide range of project specifications and installation requirements.

Coating is a critical factor in enhancing the durability and lifespan of steel pipes, and the Precision Steel Pipe excels in this aspect. It is available with a variety of coating options, including FBE (Fusion Bonded Epoxy), 2PE (Two-layer Polyethylene), 3PE (Three-layer Polyethylene), and 3PP (Three-layer Polypropylene). These coatings provide excellent protection against corrosion, abrasion, and chemical exposure, significantly extending the service life of the pipe. Depending on the material and coating selected, corrosion resistance can be tailored to suit specific environmental conditions, such as underground or underwater installations.

In terms of mechanical properties, the Precision Steel Pipe boasts high tensile strength and good toughness. These attributes ensure the pipe can withstand high pressure and mechanical stress without deformation or failure. The high tensile strength makes it suitable for demanding applications such as oil and gas transportation, structural frameworks, and heavy machinery. Good toughness ensures resistance to impact and sudden loads, which is essential for maintaining safety and reliability in critical infrastructure projects.

Precision steel tubing, as represented by this product, is engineered to offer superior performance in both structural and fluid conveyance roles. The seamless manufacturing process eliminates weak points such as weld seams, contributing to enhanced strength and uniformity throughout the pipe. This seamless design, combined with the precise dimensional control achieved through hot rolling, results in a product that delivers consistent quality and reliability.

In summary, the Precision Steel Pipe is a robust, reliable, and versatile product that combines the benefits of hot rolled manufacturing, customizable end finishes, advanced coating options, and superior mechanical properties. Its high tensile strength and good toughness make it suitable for a variety of industrial applications, while its corrosion resistance ensures durability in challenging environments. Whether used as precision steel tubing or precision seamless pipe, this product offers exceptional quality and performance, making it an excellent choice for engineers, contractors, and project managers seeking dependable piping solutions.

Key Features

- **Product Name:** Precision Steel Pipe
- **Ends:** Bevelled End or Plain Ends
- **Application:** Boiler and Heat Exchanger
- **Manufacturing Process:** Cold Drawing, Hot Rolling
- **Specification:** 10mm
- **Mechanical Properties:** High Tensile Strength, Good Toughness
- **Also known as:** Precision Steel Tube and Precision Steel Cylinder Pipe
- **Quality:** Manufactured as High Precision Steel Tube for superior quality and performance

Technical Parameters

Technique	Hot Rolled
Application	Boiler and Heat Exchanger
Mechanical Properties	High Tensile Strength, Good Toughness
Manufacturing Process	Cold Drawing, Hot Rolling
Length	Customized
Steel Grade	Carbon Steel, Stainless Steel
Coating Type	FBE, 2PE, 3PE, 3PP
Transport Package	Export Standard Package / As Request
Wall Thickness Range	0.5mm to 20mm
Specification	10mm

Applications

The Precision Steel Pipe manufactured by Zhengshen, a renowned brand originating from China, is designed to meet a wide range of industrial and commercial application occasions and scenarios. These precision seamless steel pipes are highly valued for their exceptional mechanical properties, including high tensile strength and good toughness, which make them ideal for demanding environments where reliability and performance are crucial.

One of the primary application occasions for Zhengshen Precision Steel Pipes is in the construction industry. Due to their superior strength and durability, these precision steel tubes are extensively used in structural frameworks, scaffolding, and support systems. Their seamless nature ensures uniformity and reduces the risk of failure under stress, making them perfect for high-rise buildings, bridges, and infrastructure projects.

Furthermore, the energy sector utilizes these precision steel tubes in power plants and renewable energy installations. Their mechanical robustness and protective coatings make them suitable for high-pressure and high-temperature applications, ensuring stable operation and reducing maintenance costs.

In summary, the Zhengshen Precision Steel Pipe is a versatile product suitable for a vast array of application scenarios. From construction and oil and gas pipelines to manufacturing and energy sectors, these precision seamless steel pipes combine high tensile strength, good toughness, customizable lengths, and advanced protective coatings to deliver reliable and long-lasting performance across diverse industrial needs.

Customization

Our Precision Steel Pipe products from the renowned Zhengshen brand are crafted to the highest standards in China, ensuring exceptional quality and reliability. We specialize in Precision Seamless Pipe and Precision Steel Tube manufacturing, offering steel grades including Carbon Steel and Stainless Steel to meet diverse industrial needs. Each pipe is available with bevelled ends or plain ends, tailored to your specific requirements. With a standard specification of 10mm and customizable lengths, we provide flexible solutions to fit your project demands. Our transport package follows export standard packaging or can be customized as per your request, guaranteeing safe and secure delivery of every Precision Steel Tube.

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 expert guidance on product selection, installation, and maintenance to meet your specific application requirements.

Our technical support team is available to assist with any inquiries regarding product specifications, tolerances, and compatibility. We also offer customized solutions to accommodate unique project needs, including special dimensions and finishes.

To guarantee the quality and reliability of our Precision Steel Pipes, we conduct rigorous testing and inspection processes in accordance with industry standards. Our services include material certification, dimensional inspection, and non-destructive testing.

Additionally, we provide after-sales support to address any operational issues and offer recommendations for prolonging the service life of the pipes. Through continuous collaboration and feedback, we strive to enhance our products and services for your benefit.

Packing and Shipping

Our Precision Steel Pipes are carefully packaged to ensure maximum protection during transportation. Each pipe is bundled securely with steel straps and wrapped in a protective film to prevent surface damage and corrosion.

The bundles are then loaded onto sturdy wooden pallets or crates, depending on customer requirements, to facilitate easy handling and stacking.

For shipping, we offer flexible options including containerized sea freight, bulk cargo shipping, and truck delivery, ensuring timely and safe arrival at your destination.

All packages are clearly labeled with product specifications, batch numbers, and handling instructions to maintain traceability and quality control throughout the supply chain.

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 are the typical applications of Zhengshen Precision Steel Pipes?

A3: Zhengshen Precision Steel Pipes are commonly used in automotive, machinery, construction, and hydraulic systems due to their high accuracy and strength.

Q4: What materials are used in the manufacturing of Zhengshen Precision Steel Pipes?

A4: These pipes are typically made from high-quality carbon steel or alloy steel to ensure durability and precision.

Q5: Can Zhengshen Precision Steel Pipes be customized in terms of size and thickness?

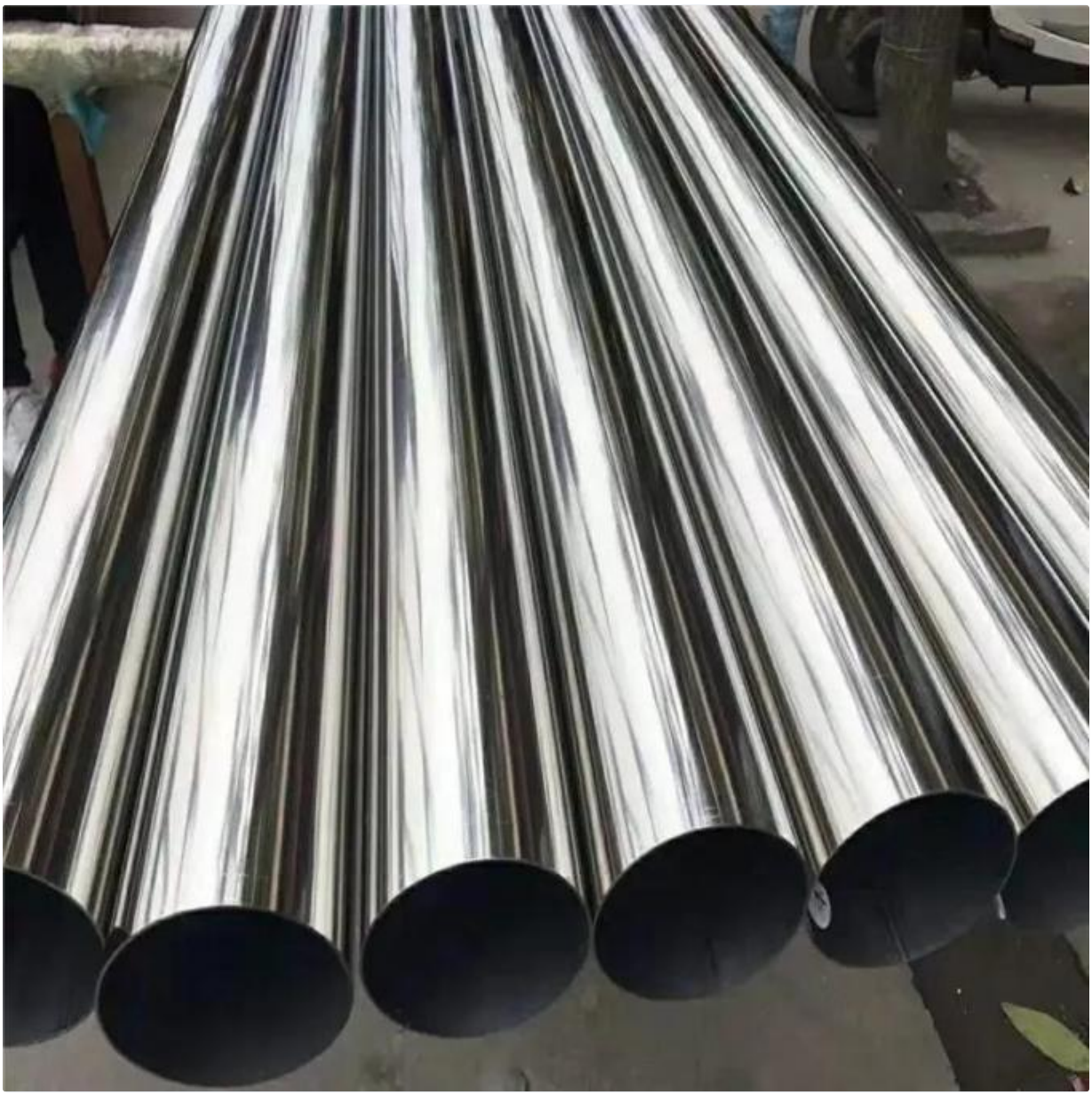
A5: Yes, Zhengshen offers customization options for size, wall thickness, and length to meet specific project requirements.

Product Gallery













Chongqing Zhengshen Stainless Steel Products Co.,Ltd.

+86 189 9647 2857 cqzhengshen@hotmail.com pipesteels.com

Chenjiawan Industrial Park, Jieshi Town, Banan District, Chongqing, China