High Tensile Strength Hot Rolling Precision Steel Pipe Seamless Precision Steel Tube for Manufacturing Plants

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

- Steel Grade: Carbon Steel, Stainless Steel
- Mechanicalproperties: High Tensile Strength, Good Toughness
- Lengh: Customized
- Manufacturingprocess: Cold Drawing, Hot Rolling
- Wallthicknessrange: 0.5mm To 20mm
- Ends: Bevelled End Or Plain Ends
- Specification: 10mm
- Type: Seamless
- Highlight: **High Tensile Strength Precision Steel Pipe**, **Hot Rolling Precision Steel Tube**, **Seamless Precision Steel Pipe**



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Product Description

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The Precision Steel Pipe is a high-quality product engineered to meet the demanding requirements of a wide range of industrial applications. Known for exceptional durability and performance, it is available in a seamless type that ensures superior structural integrity and reliability. Whether you are sourcing Precision Steel Hollow Pipe, Precision Steel Round Pipe, or Precision Steel Tube, this product line offers a comprehensive solution tailored to your specific needs.

A standout feature of this Precision Steel Pipe is its coating options. The pipe is available with multiple advanced coatings, including Fusion Bonded Epoxy (FBE), 2PE (two-layer polyethylene), 3PE (three-layer polyethylene), and 3PP (three-layer polypropylene). These coatings deliver excellent corrosion resistance, protecting the pipe from harsh environmental conditions, chemical attack, and mechanical wear. This makes the Precision Steel Pipe highly suitable for pipelines, oil and gas transportation, water supply systems, and other applications where longevity and maintenance-free performance are critical.

Wall thickness ranges from 0.5mm to 25mm, allowing flexibility in selecting the right pipe thickness for various engineering requirements. For more precise applications, the 0.5mm to 20mm range is particularly beneficial, offering a wide selection of lightweight yet strong piping solutions. This versatility makes the Precision Steel Pipe ideal for both light-duty and heavy-duty applications, ensuring users can choose pipes that perfectly match their structural and mechanical demands.

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, mechanical stress, and impact without failing. High tensile strength provides excellent resistance to elongation and breaking under tension, which is crucial in construction, automotive, and manufacturing industries. Good toughness means the pipe can absorb energy and deform without fracturing, enhancing durability and safety under dynamic loading conditions.

Precision Steel Hollow Pipe, Precision Steel Round Pipe, and Precision Steel Tube are terms often used interchangeably to describe this product, reflecting its versatility and wide range of applications. The hollow pipe design is essential for fluid transportation, structural support, and mechanical parts, while the round pipe shape provides optimal strength and flow characteristics. The Precision Steel Tube is similarly valued for precision engineering tasks where exact dimensions and superior material quality are required.

In summary, the Precision Steel Pipe stands out as a superior product characterized by its seamless construction, advanced coating options such as FBE, 2PE, 3PE, and 3PP, and a wide wall thickness range from 0.5mm to 25mm. Its remarkable mechanical properties, including high tensile strength and good toughness, make it an excellent choice for a broad spectrum of industrial uses. Whether you require Precision Steel Hollow Pipe, Precision Steel Round Pipe, or Precision Steel Tube, this product delivers outstanding performance, reliability, and durability, making it a trusted solution for modern engineering and infrastructure projects.

Key Features

- Product Name: Precision Steel Pipe
- Also known as Precision Steel Cylinder Pipe, High Precision Steel Tube, and Precision Steel Round Pipe
- Coating Types Available: FBE, 2PE, 3PE, 3PP
- Corrosion Resistance: Good (depending on material and coating)
- Transport Package: Export standard package or as per request
- Manufacturing Technique: Hot Rolled
- Type: Seamless

Technical Parameters

Length	Customized
Mechanical Properties	High Tensile Strength, Good Toughness
Type	Seamless
Manufacturing Process	Cold Drawing, Hot Rolling
Specification	10mm
Wall Thickness Range	0.5mm to 20mm
Coating Type	FBE, 2PE, 3PE, 3PP
Technique	Hot Rolled
Ends	Bevelled End or Plain Ends
Corrosion Resistance	Good (depending on material and coating)

Applications

The Precision Steel Pipe from Zhengshen, originating in China, is designed for a wide range of application occasions and scenarios, making it an indispensable component across various industries. With a wall thickness range from 0.5mm to 20mm, this product caters to both lightweight and heavy-duty requirements, offering flexibility and reliability in use. The availability of carbon steel and stainless steel grades ensures the pipe can meet diverse mechanical and chemical resistance needs, providing good corrosion resistance depending on the material and coating applied.

In industrial manufacturing, the Precision Steel Cylinder Pipe is widely used for hydraulic cylinders, pneumatic cylinders, and other precision machinery components that demand high dimensional accuracy and strength. The high precision steel tube ensures tight tolerances and smooth surface finishes, which are critical for seamless integration in automated systems and fluid control devices. The bevelled or plain ends of the pipe allow for easy welding and connection, facilitating efficient assembly in complex piping systems or structural frameworks.

Moreover, the automotive and aerospace industries utilize the high precision steel tube for critical components such as chassis parts, exhaust systems, and airframe structures. The precision and seamless nature of these pipes contribute to improved safety, weight reduction, and enhanced performance. In medical equipment manufacturing, the precision steel cylinder pipe is preferred for its smooth surface and dimensional accuracy, which are vital for producing reliable and hygienic instruments.

Overall, Zhengshen's Precision Steel Pipe product line is versatile and reliable, suitable for applications ranging from heavy industrial machinery to delicate medical devices. Its combination of material options, corrosion resistance, precise manufacturing processes, and customizable ends makes it a preferred choice for engineers and designers seeking high-quality steel tubing solutions across demanding scenarios.

Customization

Our Precision Steel Pipe customization services by Zhengshen offer high-quality Precision Seamless Steel Pipe solutions originating from China. We provide tailored lengths to meet your specific project requirements, utilizing advanced hot rolled techniques to ensure superior performance. The wall thickness of our Precision Steel Tubing ranges from 0.5mm to 25mm, delivering high tensile strength and good toughness for demanding applications. Each pipe is carefully packaged using export standard packages or as per your request, guaranteeing safe and efficient transport. Trust Zhengshen for precision-engineered steel pipes that meet your exact specifications.

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 help you achieve the best results in your applications.

Our technical support team is available to assist with any inquiries related to the specifications, compatibility, and customization options of our precision steel pipes. We also offer detailed documentation, including material certifications, dimensional tolerances, and quality assurance reports to support your project requirements.

In addition to technical advice, we provide on-site support and training services to help your team properly handle and utilize our precision steel pipes. Our commitment to quality extends beyond the product, ensuring reliable supply chain management and timely delivery to meet your production schedules.

For ongoing service, we offer inspection and testing services to verify the integrity and performance of the steel pipes throughout their lifecycle. Our goal is to deliver durable, high-quality precision steel pipes backed by responsive and knowledgeable support tailored to your needs.

Packing and Shipping

Our Precision Steel Pipes are carefully packaged to ensure maximum protection during transit. Each pipe is individually wrapped with a protective film to prevent surface damage and corrosion. The pipes are then bundled securely with strong steel straps and placed on sturdy wooden pallets to maintain stability and ease of handling.

For shipping, we use weather-resistant packaging materials to safeguard against environmental factors. The pallets are covered with waterproof tarps and shrink wrap to provide additional protection. We coordinate with reliable logistics partners to ensure timely and safe delivery to your specified destination, whether by sea, air, or land transport.

Special handling instructions are followed for oversized or custom-length pipes to prevent deformation. Our packaging and shipping processes comply with international standards to guarantee that your Precision Steel Pipes arrive in excellent condition, ready for immediate use.

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 common applications for Zhengshen Precision Steel Pipes?

A3: Zhengshen Precision Steel Pipes are commonly used in automotive parts, machinery components, hydraulic systems, and construction projects requiring high accuracy and strength.

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

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

Q5: How is the precision of Zhengshen Steel Pipes ensured?

A5: The precision of Zhengshen Steel Pipes is ensured through advanced manufacturing processes and strict quality control measures, including accurate dimensional checks and surface finish inspections.

Product Gallery













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