Tensile Strength ≥ 700 MPa Hydraulic Steel Pipe with Customizable Length and Galvanized Surface Treatment

Our Product Introduction

Basic Information

- Place of Origin: China
- 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

- Corrosionresistance: High
- Usage: Hydraulic Systems
- Productname: Hydraulic Steel Pipe
- Wallthickness: 1mm - 10mm
- Connectiontype: Threaded Or Flanged Ends
- Connection Type: Threaded Or Welded
- Material: High-strength Alloy Steel
- Wall Thickness: Varies Depending On Size
- Highlight: **Tensile Strength ≥ 700 MPa Hydraulic Steel Pipe , Customizable Length Hydraulic Steel Tube, Galvanized Surface Treatment Seamless Hydraulic Pipe**



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Our Product Introduction

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Product Description

Product Overview

The Zhengshen Hydraulic Steel Pipe is a robust and reliable solution engineered specifically for hydraulic systems that demand exceptional strength and durability. Designed to handle high-pressure environments, this high-pressure steel pipe ensures optimal performance and safety across a wide range of industrial applications—from manufacturing plants and construction machinery to fluid power systems. It stands out as a critical component that guarantees efficient, leak-free operation.

One of the key features of this hydraulic steel pipe is its versatile connection type. It is available with either threaded or welded connections, providing flexibility to meet different installation requirements and system designs. Threaded connections allow for easy assembly and disassembly, making maintenance and repairs straightforward. Welded connections offer a seamless, permanent joint that enhances the pipe's strength and resistance to leaks under extreme pressure conditions. This adaptability makes the hydraulic steel pipe a preferred choice for a wide range of hydraulic applications.

Designed to withstand demanding operational environments, the pipe boasts a yield strength of ≥ 500 MPa. This high yield strength indicates its ability to endure significant stress without permanent deformation, ensuring reliability and longevity even under rigorous pressure cycles. The material composition and manufacturing processes are meticulously controlled to achieve this level of mechanical performance, making it an excellent option for systems that require a dependable high-pressure steel pipe.

The standard length is 6 meters, suitable for most hydraulic system installations. However, recognizing the diverse needs of different projects, the length can be customized to accommodate specific requirements. This customization capability allows engineers and designers to optimize the pipe layout, reduce waste, and improve overall system efficiency. Whether the application calls for shorter segments or extended runs, the pipe can be tailored accordingly.

In addition to its mechanical properties and connection options, the hydraulic steel pipe is manufactured with precision to ensure uniformity in dimensions and compatibility with other hydraulic components. This attention to detail helps maintain system integrity and minimizes the risk of failures due to improper fitting or material inconsistencies. The pipe's surface finish and coating are also designed to resist corrosion and wear, further enhancing its service life in challenging hydraulic environments.

Overall, the Zhengshen Hydraulic Steel Pipe is an indispensable component for any hydraulic system requiring a high-pressure steel pipe capable of performing reliably under intense conditions. Its combination of threaded or welded connections, high yield strength of ≥ 500 MPa, and customizable length makes it a versatile and durable choice for engineers and industry professionals.

Key Features

- Product Name: Hydraulic Steel Pipe
- Surface Treatment: Galvanized, Painted, or Blackened
- Yield Strength: ≥ 500 MPa
- Material: High-strength Alloy Steel
- Tensile Strength: Varies depending on size
- Connection Type: Threaded or Welded
- Seamless hydraulic pipe ensures high durability and reliability
- Designed as a seamless hydraulic pipe for optimal performance under pressure
- Hydraulic steel tube constructed to withstand demanding industrial applications

Technical Parameters

Connection Type	Threaded or Flanged Ends, Threaded or Welded
Wall Thickness	1 mm – 10 mm, varies depending on size
Length	6 m standard, customizable
Material	High-strength Alloy Steel
Tensile Strength	Varies depending on size
End Finish	Plain or Beveled
Yield Strength	≥ 500 MPa
Pressure Rating	High

Applications

The Zhengshen Hydraulic Steel Pipe, originating from China, is a premium product designed to meet the rigorous demands of various industrial applications. Crafted from high-strength alloy steel, this hydraulic steel tube boasts a tensile strength of ≥ 700 MPa, ensuring exceptional durability and reliability under high-pressure conditions. The wall thickness of the seamless hydraulic pipe ranges from 1 mm to 10 mm, with variations depending on the specific size, enabling versatile usage across different hydraulic systems.

This seamless hydraulic pipe is widely used in hydraulic machinery, construction equipment, automotive systems, and heavy-duty industrial applications. Its high tensile strength and seamless design make it ideal for scenarios where resistance to pressure, corrosion, and mechanical wear is critical. For instance, in hydraulic cylinders and hydraulic systems, Zhengshen's hydraulic steel tube provides robust performance, ensuring smooth and efficient operation even under extreme working environments.

In the oil and gas industry, seamless hydraulic pipes are indispensable for conveying high-pressure fluids safely and efficiently. The high-strength alloy steel material ensures that the pipe can withstand the harsh conditions found in drilling and extraction activities. Additionally, precise wall thickness variations allow for customization according to specific pressure requirements, enhancing system safety and longevity.

Construction and agricultural machinery also benefit significantly from using Zhengshen's seamless hydraulic pipe. These pipes serve as integral components in hydraulic systems that control movement and force, such as in excavators, loaders, and tractors. The reliability and strength of the hydraulic steel tube ensure minimal downtime and maintenance, increasing overall productivity.

In summary, Zhengshen Hydraulic Steel Pipe—with its seamless design, high-strength alloy steel construction, and customizable wall thickness from 1 mm to 10 mm—is an essential component across numerous industries. Whether used in construction, automotive, oil and gas, or manufacturing sectors, this seamless hydraulic pipe guarantees superior performance, safety, and longevity.

Customization Services

Our Hydraulic Steel Pipe, branded Zhengshen and originating from China, offers exceptional customization services to meet your specific needs. This high-pressure steel pipe is designed for optimal performance in hydraulic systems, featuring superior corrosion resistance to ensure long-lasting durability. You can choose from various surface treatments—including galvanized, painted, or blackened finishes—to suit your application requirements.

The seamless hydraulic pipe is available with connection types of either threaded or welded, providing flexibility and secure attachment options. Engineered to withstand high pressure ratings, our pipes deliver reliable performance in demanding hydraulic system environments. Trust Zhengshen's high-pressure steel pipe customization services to provide robust, efficient, and tailored solutions for your hydraulic needs.

Support and Services

Our Hydraulic Steel Pipe product is supported by a dedicated technical support team committed to ensuring optimal performance and customer satisfaction. We offer comprehensive services including installation guidance, maintenance advice, troubleshooting assistance, and custom engineering solutions tailored to your specific hydraulic system needs.

Our experts provide detailed product documentation and application recommendations to help you select the right pipe specifications for your project. We also offer on-site inspections and testing services to verify product integrity and performance under operational conditions.

In addition, our after-sales support includes timely delivery of replacement parts and accessories, as well as training programs designed to enhance your team's understanding of hydraulic steel pipe systems. We strive to deliver reliable, efficient, and durable solutions backed by professional technical assistance to maximize your investment and minimize downtime.

Packing and Shipping

Our Hydraulic Steel Pipes are carefully packaged to ensure maximum protection during transportation and handling. Each pipe is coated with a rust-preventive oil and wrapped with protective material to avoid scratches and surface damage. The pipes are then securely bundled and strapped to prevent movement within the package.

For shipping, the bundled pipes are loaded onto pallets or crates, depending on the size and quantity, and are firmly secured to minimize any impact during transit. We comply with international shipping standards to ensure timely and safe delivery of our Hydraulic Steel Pipes to your desired location.

Frequently Asked Questions

Q1: What is the brand name of the Hydraulic Steel Pipe?

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

Q2: Where is the Hydraulic Steel Pipe produced?

A2: The Hydraulic Steel Pipe is produced in China.

Q3: What materials are used to manufacture Zhengshen Hydraulic Steel Pipes?

A3: Zhengshen Hydraulic Steel Pipes are made from high-quality steel, ensuring strength and durability for hydraulic applications.

Q4: What applications are Zhengshen Hydraulic Steel Pipes suitable for?

A4: These pipes are ideal for hydraulic systems in industries such as construction, agriculture, automotive, and manufacturing, where reliable fluid conveyance is essential.

Q5: How can I ensure the Hydraulic Steel Pipe meets my project requirements?

A5: You can specify the required dimensions, pressure ratings, and certifications when ordering Zhengshen Hydraulic Steel Pipes to ensure they meet your project needs.

Product Gallery













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