



Heavy Duty Hydraulic Steel Pipe with Threaded Connection and Tensile Strength ≥ 700 MPa for High Pressure Hydraulic Steel Tube Systems

Our Product Introduction

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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

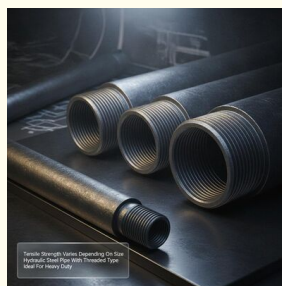


Product Specification

- Tensile strength: ≥ 700 MPa
- End Finish: Plain Or Beveled
- Yield strength: ≥ 500 MPa
- Connection Type: Threaded Or Welded
- Usage: Hydraulic Systems
- Corrosion resistance: High
- Length: 6m Standard, Customizable
- Wall thickness: 1mm - 10mm
- Highlight: Threaded Connection Hydraulic Steel Pipe, Heavy Duty Hydraulic Steel Tube, Tensile Strength ≥ 700 MPa High Pressure Steel Pipe



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Product Description

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The Hydraulic Steel Pipe is a robust and versatile component designed for high-performance applications across various industrial sectors. Known for its exceptional durability and reliability, this product is commonly referred to as a hydraulic steel tube or a high pressure steel pipe, reflecting its critical role in hydraulic systems where strength and pressure resistance are paramount. Manufactured with precision and adhering to stringent quality standards, the hydraulic steel tube offers outstanding mechanical properties, making it an indispensable part of hydraulic machinery and equipment.

One of the key features of this hydraulic steel pipe is its connection type, which is available in either threaded or welded options. This flexibility allows for easy integration into different hydraulic systems depending on the specific requirements of the application. Threaded connections provide a secure and leak-free joint that is easy to assemble and disassemble, ideal for maintenance and repair purposes. Alternatively, welded connections offer a seamless and robust joint, ensuring maximum strength and integrity for high pressure applications.

The end finish of the hydraulic steel tube is also customizable to meet various installation needs. Customers can choose between plain or beveled ends. Plain ends are typically used for direct connections and are suitable for applications where welding or other forms of joining are employed. Beveled ends, on the other hand, facilitate easier and more secure welding by providing a suitable surface for the welding process, enhancing the overall strength and durability of the connection.

In terms of mechanical properties, the hydraulic steel pipe boasts a tensile strength of ≥ 700 MPa, ensuring it can withstand significant stress and pressure without failure. This high tensile strength is critical for hydraulic systems that operate under high pressure, where the pipes must maintain their integrity to prevent leaks, bursts, or other failures that could lead to costly downtime or safety hazards. The superior strength of the hydraulic steel tube makes it ideal for demanding environments such as construction machinery, automotive systems, oil and gas industries, and heavy equipment manufacturing.

Additionally, the hydraulic steel tube is produced using high-quality steel materials that undergo rigorous testing and quality control processes. This commitment to quality ensures that every pipe delivered meets or exceeds industry standards for strength, durability, and performance. The precise manufacturing process also guarantees uniformity in dimensions and mechanical properties, which is essential for reliable hydraulic system operation.

Overall, the hydraulic steel pipe stands out as a dependable and high-performance component in the realm of hydraulic engineering. Its availability in threaded or welded connection types, choice of plain or beveled end finishes, impressive tensile strength of ≥ 700 MPa, and customizable wall thickness ranging from 1mm to 10mm make it a versatile solution for various hydraulic applications. Whether used as a hydraulic steel tube in mobile machinery or as a high pressure steel pipe in industrial hydraulic systems, this product ensures safety, efficiency, and longevity, making it a preferred choice for engineers and technicians worldwide.

Key Features

Product Name: Hydraulic Steel Pipe

Wall Thickness: Varies depending on size

Tensile Strength: Varies depending on size, with tensile strength ≥ 700 MPa

Pressure Rating: High

Manufactured as seamless hydraulic pipe for superior durability and performance

Seamless hydraulic pipe ensures resistance to high pressure and mechanical stress

Seamless hydraulic pipe design minimizes risk of leaks and enhances safety

Technical Parameters

Product Name	Hydraulic Steel Pipe
Material	High-strength Alloy Steel
Usage	Hydraulic Systems
Tensile Strength	Varies Depending On Size
Yield Strength	≥ 500 MPa
Wall Thickness	1mm - 10mm, Varies Depending On Size
Connection Type	Threaded Or Flanged Ends, Threaded Or Welded
Length	6m Standard, Customizable

Applications

The Zhengshen Hydraulic Steel Pipe is a high-quality product originating from China, renowned for its exceptional durability and performance in various industrial applications. Made from high-strength alloy steel, this seamless hydraulic pipe is designed to withstand extreme pressure and harsh working conditions, making it an ideal choice for numerous hydraulic systems. With a wall thickness ranging from 1mm to 10mm, which varies depending on the size, these hydraulic steel tubes provide superior strength and reliability, ensuring optimal performance in demanding environments.

One of the primary application occasions for the Zhengshen seamless hydraulic pipe is in heavy machinery and construction equipment. These pipes are widely used in hydraulic cylinders, pumps, and valves, where high pressure and corrosion resistance are critical. The seamless nature of the hydraulic steel tube eliminates weak points, thereby enhancing the safety and longevity of hydraulic systems used in excavators, forklifts, and cranes.

In addition, the excellent corrosion resistance of the Zhengshen hydraulic steel pipe makes it suitable for use in marine and offshore applications. Whether exposed to saltwater or harsh weather conditions, the surface treatments available—galvanized, painted, or blackened—provide an extra layer of protection against rust and wear. This adaptability ensures that the pipes maintain their integrity and performance over time, even in challenging environments.

Overall, the Zhengshen Hydraulic Steel Pipe is engineered to meet the rigorous demands of modern hydraulic applications. Its seamless construction, combined with high corrosion resistance, variable wall thickness, and superior material quality, makes it a preferred choice for professionals seeking dependable and efficient hydraulic steel tubes. Whether used in construction, marine, agriculture, or industrial automation, this product ensures enhanced safety, performance, and longevity across all application scenarios.

Customization

Zhengshen offers premium Hydraulic Steel Pipes manufactured in China, designed to meet the demands of high pressure applications. Our high pressure steel pipe features a tensile strength of ≥ 700 MPa, ensuring exceptional durability and performance under extreme conditions.

The hydraulic steel tube is available with various surface treatments including galvanized, painted, or blackened finishes to suit different environmental and aesthetic requirements. We provide flexible connection types such as threaded or flanged ends to ensure compatibility with your hydraulic systems.

The standard length for our hydraulic steel tube is 6 meters, but we also offer customizable lengths to fit your specific project needs. Trust Zhengshen for reliable, high-quality Hydraulic Steel Pipes tailored to your requirements.

Support and Services

Our Hydraulic Steel Pipe product is backed by comprehensive technical support and services to ensure optimal performance and reliability. We provide detailed product specifications, installation guidelines, and maintenance instructions to help you achieve maximum efficiency in your hydraulic systems. Our experienced technical team is available to assist with system design, troubleshooting, and customization to meet your specific application needs. Additionally, we offer training sessions and on-site support to ensure proper handling and usage of the hydraulic steel pipes. Trust in our commitment to quality and support to keep your operations running smoothly.

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 plastic or paper to prevent surface damage and corrosion. The pipes are then bundled securely with steel straps and placed on sturdy wooden pallets or in steel frames to maintain stability and prevent movement.

For shipping, we use reliable and experienced logistics partners to guarantee timely delivery. The packaging is designed to withstand rough handling and harsh environmental conditions, ensuring that the Hydraulic Steel Pipes arrive at their destination in optimal condition. Custom packaging solutions are also available upon request to meet specific customer requirements.

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 Zhengshen hydraulic steel pipe produced?

A2: The Zhengshen hydraulic steel pipe is produced in China.

Q3: What materials are used in the Zhengshen hydraulic steel pipe?

A3: The hydraulic steel pipe is made from high-quality steel to ensure durability and strength for hydraulic applications.

Q4: What are the common applications of Zhengshen hydraulic steel pipes?

A4: These pipes are commonly used in hydraulic systems, machinery, automotive industries, and construction equipment requiring reliable fluid transmission.

Q5: Are Zhengshen hydraulic steel pipes compatible with standard hydraulic fittings?

A5: Yes, Zhengshen hydraulic steel pipes are designed to be compatible with standard hydraulic fittings and meet industry specifications.

Product Gallery





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