



Heavy Duty Hydraulic Steel Pipe and Seamless Hydraulic Pipe with Yield Strength ≥ 500 MPa and High Corrosion Resistance

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
- Supply Ability: 10000TONS PER MONTH



Product Specification

- Material: High-strength Alloy Steel
- Connectiontype: Threaded Or Flanged Ends
- Pressure Rating: High
- End Finish: Plain Or Beveled
- Corrosionresistance: High
- Productname: Hydraulic Steel Pipe
- Wall Thickness: Varies Depending On Size
- Tensilestrength: ≥ 700 MPa
- Highlight:
 - Heavy Duty Hydraulic Steel Pipe,
 - Yield Strength ≥ 500 MPa Seamless Hydraulic Pipe
 - High Corrosion Resistance Hydraulic Steel Pipe



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Product Description

Product Overview

The Hydraulic Steel Pipe is a robust and reliable solution engineered to meet the demanding requirements of high-pressure hydraulic systems. Manufactured with precision from high-quality materials, it is ideal for industries that require durable and efficient fluid conveyance under high pressure. Renowned for exceptional strength, durability, and versatility, this hydraulic steel tube is a preferred choice for a wide range of hydraulic applications.

A key feature is the connection type, available as either threaded or welded. This flexibility allows for easy installation and integration into existing hydraulic systems, accommodating diverse project specifications. Threaded connections provide a secure, leak-proof joint that can be easily assembled and disassembled, while welded connections offer a permanent, strong bond that enhances the pipe's overall structural integrity.

The standard length is 6 meters, providing an optimal balance between ease of handling and minimizing joints in piping systems. The length is fully customizable to suit specific applications, reducing waste and improving installation efficiency.

In terms of mechanical properties, the pipe boasts a yield strength of ≥ 500 MPa, guaranteeing excellent resistance to deformation under high stress. This is critical for maintaining structural integrity in high-pressure environments and preventing failures that could lead to leaks or system downtime. Tensile strength varies depending on size, allowing optimization based on required performance criteria so that each pipe withstands the operational stresses it will encounter throughout its service life.

Key Features

- Product Name:** Hydraulic Steel Pipe
- Connection Type:** Threaded or Flanged Ends
- Wall Thickness:** Varies depending on size
- Surface Treatment:** Galvanized, Painted, or Blackened
- Usage:** Hydraulic Systems
- Suitable for use as Hydraulic Steel Tube
- Available as Seamless Hydraulic Pipe for enhanced strength
- Designed to withstand high pressure, ideal as High Pressure Steel Pipe

Technical Parameters

Wall Thickness	Varies depending on size
Tensile Strength	≥ 700 MPa (varies depending on size)
Yield Strength	≥ 500 MPa
Connection Type	Threaded or Flanged Ends
Corrosion Resistance	High
Usage	Hydraulic Systems
Material	High-strength Alloy Steel
Surface Treatment	Galvanized, Painted, or Blackened

Applications

The Zhengshen Hydraulic Steel Pipe, originating from China, is a premium product designed to meet the rigorous demands of various industrial applications. Manufactured from high-strength alloy steel with a yield strength of ≥ 500 MPa, this seamless hydraulic pipe offers exceptional durability and reliability. Its high pressure rating ensures it can withstand extreme operating conditions, making it an ideal choice for hydraulic systems requiring robust and safe fluid conveyance.

One of the primary application areas is the construction and heavy machinery sectors, which rely heavily on hydraulic systems for lifting, pushing, and powering equipment. The pipe's excellent corrosion resistance and superior material quality guarantee a long service life even in harsh environments, such as outdoor construction sites or marine applications where exposure to moisture and corrosive agents is common.

In the oil and gas industry, the seamless hydraulic pipe plays a crucial role in hydraulic fracturing and drilling operations. Its ability to handle high-pressure fluid transfer without failure is vital for maintaining operational safety and efficiency. Plain or beveled end finish options provide versatility in installation, allowing for secure connections and ease of maintenance in complex hydraulic setups.

The seamless design eliminates weak points caused by weld seams, enhancing pressure handling capacity and safety. This makes it suitable for

hydraulic systems in the mining, automotive, and energy sectors, where safety and performance cannot be compromised. The combination of high yield strength, corrosion resistance, and customization in end finishes ensures the hydraulic steel tube meets diverse operational needs across multiple demanding industries.

Customization

Our Hydraulic Steel Pipe, branded under Zhengshen and originating from China, offers exceptional customization services to meet your specific needs. We provide hydraulic steel tubes with a variety of connection types, including threaded or flanged ends, ensuring compatibility with your hydraulic systems. The wall thickness of our seamless hydraulic pipes ranges from 1 mm to 10 mm, allowing for tailored strength and durability. Surface treatments available include galvanized, painted, or blackened finishes to protect against corrosion and enhance longevity. With a yield strength of ≥ 500 MPa and a high pressure rating, our hydraulic steel tubes are designed to perform reliably under demanding conditions. Trust Zhengshen for premium seamless hydraulic pipe solutions customized to your requirements.

Support and Services

Our Hydraulic Steel Pipe product comes with dedicated technical support and comprehensive services to ensure optimal performance and reliability. Our team of experts is available to assist with installation guidance, maintenance procedures, and troubleshooting to maximize the lifespan and efficiency of the pipes.

We provide detailed product documentation, including specifications, operational guidelines, and safety instructions to help you understand and utilize the hydraulic steel pipes effectively. Additionally, customized consultation services are available to tailor solutions that meet your specific project requirements.

Regular training sessions and workshops are offered to keep your technical staff updated on the latest standards and best practices related to hydraulic steel pipe systems. Our commitment extends to providing timely updates and upgrades, ensuring your operations remain compliant and efficient.

For any technical inquiries or service requests, our support team is ready to provide prompt and effective assistance, ensuring minimal downtime and sustained operational excellence.

Packing and Shipping

Our Hydraulic Steel Pipes are carefully packaged to ensure maximum protection during transportation. Each pipe is coated with a rust-preventive oil and then wrapped in protective plastic or paper to prevent surface damage. The pipes are bundled securely with steel straps and placed on sturdy wooden pallets to maintain stability and facilitate easy handling.

For shipping, we use reliable and experienced logistics partners to guarantee timely and safe delivery. The packages are clearly labeled with product specifications and handling instructions. Whether shipped by sea, air, or land, our packaging meets international standards to withstand harsh transit conditions and ensure the Hydraulic Steel Pipes arrive at their destination in perfect condition.

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 to make Zhengshen hydraulic steel pipes?	A3: Zhengshen hydraulic steel pipes are made from high-quality steel, ensuring 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 for machinery, construction equipment, and industrial fluid power 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, making them easy to integrate into existing systems.

Product Gallery













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