Wall Thickness 1mm to 20mm Hydraulic Steel Pipe with Threaded or Welded Connection Suitable for High Pressure Applications

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

- Pressurerating: Up To 35 MPa
- Surfacetreatment: Galvanized, Painted, Or Blackened
- Pressure Rating: High
- Wallthickness: 1mm - 20mm
- Corrosion Resistance: Excellent
- Outerdiameter: 10mm - 200mm
- Endconnection: Threaded, Flanged, Or Welded
- Connection Type: Threaded Or Welded
- Highlight: **Wall Thickness 1mm to 20mm Hydraulic Steel Pipe** , **Threaded or Welded Connection Hydraulic Steel Pipe** , **High Pressure Applications Hydraulic Steel Pipe**



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Our Product Introduction

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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 using high-quality materials, this hydraulic steel tube is built to withstand extreme conditions, ensuring safety, durability, and optimal performance across a wide range of industrial applications.

A standout feature of this hydraulic steel tube is its impressive tensile strength rated at ≥ 500 MPa. This high tensile strength guarantees that the pipe can endure substantial mechanical stresses without deformation or failure, making it an ideal choice for systems operating under intense pressure. Whether used in construction machinery, oil and gas industries, or heavy-duty manufacturing, the hydraulic steel pipe delivers consistent performance and reliability.

The wall thickness of the hydraulic steel tube varies depending on the size of the pipe, allowing for customization to suit specific application needs. This flexibility ensures the pipe can handle different pressure levels and flow requirements while maintaining structural integrity. The variation in wall thickness also contributes to the overall strength and durability of the high-pressure steel pipe, enabling it to resist wear, corrosion, and external impacts effectively.

Connectivity is another crucial aspect of the hydraulic steel pipe. It offers versatile connection options, including both threaded and welded types. The threaded connection provides ease of installation and maintenance, allowing for quick assembly and disassembly without compromising seal integrity. The welded connection offers a more permanent and robust joint, ideal for applications where leak-proof and high-strength connections are paramount. This adaptability ensures the hydraulic steel tube can be seamlessly integrated into existing systems or new projects with ease.

Surface treatment is vital for enhancing the longevity and performance of the hydraulic steel tube. This product is available with various surface finishes, including galvanized, painted, or blackened options. The galvanized treatment provides excellent corrosion resistance, especially in outdoor or harsh environments, protecting the pipe from rust and extending its service life. Painted finishes offer additional protection and aesthetic appeal, suitable for applications where appearance and environmental resistance are important. The blackened treatment delivers a protective layer that reduces oxidation and maintains the pipe's durability under different operating conditions.

In summary, the hydraulic steel tube combines high tensile strength, customizable wall thickness, versatile connection types, and advanced surface treatments to provide a durable and efficient solution for high-pressure hydraulic systems. Its ability to withstand rigorous mechanical and environmental stresses makes it a preferred choice for industries that demand reliability and performance—whether in construction, automotive, oil and gas, or industrial hydraulics.

Key Features

- Product Name: Hydraulic Steel Pipe
- Standard: ISO 8434, SAE J516
- Wall Thickness: Varies depending on size
- Connection Type: Threaded or flanged ends
- Material: High-strength carbon steel
- Length: 6 m, 12 m, or customized
- Seamless hydraulic pipe for reliable performance
- Designed as a high-pressure steel pipe suitable for demanding applications
- Durable hydraulic steel tube ensuring long service life

Technical Parameters

End Connection	Threaded, Flanged, or Welded
Corrosion Resistance	Excellent
Standard	ISO 8434, SAE J516
Tensile Strength	≥ 500 MPa
Material	High-strength Carbon Steel
Connection Type	Threaded or Welded
Length	6 m, 12 m, or Customized
Outer Diameter	10 mm – 200 mm
Pressure Rating	High

Applications

The Zhengshen Hydraulic Steel Pipe, originating from China, is a highly reliable and versatile product designed to meet the demanding needs of various industrial applications. Engineered to withstand pressure ratings of up to 35 MPa, this high-pressure steel pipe is ideal for systems requiring robust and durable hydraulic components. Its compliance with international standards such as ISO 8434 and SAE J516 ensures consistent quality and performance across diverse usage scenarios.

One of the primary application areas for the Zhengshen hydraulic steel tube is hydraulic machinery and equipment used in construction, agriculture, and manufacturing industries. These pipes serve as essential conduits for hydraulic fluids, enabling efficient power transmission in heavy machinery such as excavators, loaders, and tractors. The ability of the hydraulic steel tube to endure high pressure without deformation or failure makes it indispensable in these high-stress environments.

Another common scenario for this hydraulic steel tube is industrial automation and robotics. The precision and strength of the high-pressure steel pipe ensure reliable hydraulic connections in automated production lines, where consistent pressure and fluid flow are critical. Additionally, its excellent corrosion resistance—achieved through superior surface treatments including galvanization, painting, or blackening—extends the service life of the pipes even in harsh chemical or outdoor environments.

Overall, the Zhengshen hydraulic steel tube is an excellent choice for any application demanding high-pressure resistance, corrosion protection, and adherence to international quality standards. Its versatility makes it suitable for construction, agriculture, industrial automation, oil and gas, automotive, and aerospace applications, providing dependable hydraulic solutions across multiple sectors.

Customization Services

Zhengshen offers customized product services for our Hydraulic Steel Pipe, manufactured from high-strength carbon steel to ensure durability and reliability. Our seamless hydraulic pipe is designed to meet high-pressure requirements, with a pressure rating suitable for demanding hydraulic systems.

We provide surface treatment options including galvanized, painted, or blackened finishes to enhance corrosion resistance and extend the service life of the hydraulic steel tube. Each product complies with international standards such as ISO 8434 and SAE J516, guaranteeing superior quality and performance.

With a tensile strength of ≥ 500 MPa, our high-pressure steel pipe is ideal for various industrial applications requiring robust and reliable hydraulic components. Originating from China, Zhengshen is committed to delivering customized solutions that meet your specific hydraulic system needs.

Support and Services

Our Hydraulic Steel Pipe product is backed by comprehensive technical support and services to ensure optimal performance and customer satisfaction. We offer expert consultation during the selection process to help you choose the right specifications for your hydraulic applications. Our technical team provides detailed installation guidance, maintenance advice, and troubleshooting assistance to maximize the lifespan and efficiency of the steel pipes.

We also supply detailed product documentation, including material specifications, pressure ratings, and compatibility information. For any operational issues, our support staff is prepared to assist with diagnostics and recommend appropriate solutions. Additionally, we offer custom fabrication and cutting services to meet specific project requirements.

Our commitment to quality extends beyond the product itself, with ongoing support to help you maintain system integrity and safety. Whether you require routine maintenance tips or emergency repair guidance, our technical support team is here to provide timely and effective assistance.

Packing and Shipping

Our Hydraulic Steel Pipes are carefully packaged to ensure maximum protection during transportation. Each pipe is coated with anti-rust oil and wrapped in plastic film to prevent corrosion and damage. The pipes are then bundled securely with steel straps and placed on sturdy wooden pallets for easy handling.

For shipping, we use durable containers that safeguard the pipes against environmental factors and mechanical impacts. Whether shipped by sea, air, or land, our packaging methods comply with international standards to guarantee the product arrives in perfect condition at your destination.

Frequently Asked Questions

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

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

Q2: Where is the Hydraulic Steel Pipe produced?

> The Hydraulic Steel Pipe is made in China.

Q3: What materials are used in the Zhengshen Hydraulic Steel Pipe?

> The Zhengshen Hydraulic Steel Pipe is made from high-quality steel to ensure durability and strength under high-pressure conditions.

Q4: What are the typical applications of the Hydraulic Steel Pipe?

> The Hydraulic Steel Pipe is commonly used in hydraulic systems, construction machinery, agricultural equipment, and other industrial applications that require reliable fluid conveyance under pressure.

Q5: What sizes are available for the Zhengshen Hydraulic Steel Pipe?

> Zhengshen offers Hydraulic Steel Pipes in various sizes and thicknesses to meet different hydraulic system requirements. Please contact the supplier for detailed specifications.

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