35 MPa Pressure Rating High-strength Carbon Steel Hydraulic Steel Pipe with Excellent Corrosion Resistance for Seamless Hydraulic Pipe Systems

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

- Corrosion Resistance: Excellent
- Tensilestrength: ≥ 500 MPa
- Endconnection: Threaded, Flanged, Or Welded
- Material: High-strength Carbon Steel
- Connectiontype: Threaded Or Flanged Ends
- Standard: ISO 8434, SAE J516
- Wall Thickness: Varies Depending On Size
- Pressure Rating: High
- Highlight: **35 MPa Hydraulic Steel Pipe**, **Corrosion Resistant Seamless Hydraulic Pipe**, **Carbon Steel High Pressure Steel Pipe**



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Our Product Introduction

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Product Description

Product Overview

The Hydraulic Steel Pipe is a premium-quality product engineered to meet the demanding requirements of high-pressure hydraulic systems. Manufactured with precision under stringent quality controls, it delivers reliable performance, durability, and safety across a wide range of industrial applications. As a seamless hydraulic pipe, it offers superior strength and pressure resistance, making it an ideal choice wherever high-pressure steel pipe solutions are essential.

A standout feature of this pipe is its high pressure rating. Designed to withstand intense pressure conditions, it maintains structural integrity and prevents leaks or bursts even in the most challenging hydraulic systems—critical for operational efficiency and safety. Whether used in construction, manufacturing, or heavy machinery, it meets the rigorous demands of high-pressure applications.

Surface treatment options add an extra layer of protection and versatility. Customers can choose between galvanized, painted, or blackened finishes based on their specific requirements. The galvanized finish provides excellent resistance against corrosion and environmental elements, making it suitable for outdoor or harsh environments. The painted surface offers additional aesthetic appeal while protecting against rust and wear. The blackened treatment gives the pipe a sleek, industrial look while enhancing resistance to oxidation and mechanical damage. These treatments ensure the pipe maintains its integrity and appearance over extended periods.

Manufactured to comply with internationally recognized standards such as ISO 8434 and SAE J516, this seamless hydraulic pipe guarantees compatibility and reliability across hydraulic systems worldwide. Adherence to these standards ensures strict criteria for dimensions, mechanical properties, and performance are met, giving customers confidence in product quality and longevity. This compliance also simplifies integration into existing systems and projects, reducing the need for modifications and ensuring smooth operation.

In summary, the Hydraulic Steel Pipe is a robust, reliable, and versatile solution for high-pressure hydraulic applications. Its seamless construction ensures maximum strength and leak resistance, while its high pressure rating guarantees safe operation under demanding conditions. With multiple surface treatment options, compliance with key international standards, flexible length choices, and customizable wall thickness, this high pressure steel pipe is engineered to meet diverse industrial needs efficiently—providing long-lasting performance and peace of mind for engineers, contractors, and operators alike.

Key Features

- **Product Name:** Hydraulic Steel Pipe
- **Wall Thickness:** Varies depending on size, ranging from 1mm to 20mm
- **Surface Treatment:** Galvanized, Painted, or Blackened
- **Tensile Strength:** ≥ 500 MPa
- **Material:** High-strength Carbon Steel
- Designed as a high pressure steel pipe suitable for demanding hydraulic applications
- Manufactured as a seamless hydraulic pipe ensuring superior durability and performance
- Seamless construction minimizes the risk of leaks and pressure loss

Technical Parameters

Connection Type	Threaded or Flanged Ends
End Connection	Threaded, Flanged, or Welded
Pressure Rating	Up to 35 MPa (High Pressure Steel Pipe)
Surface Treatment	Galvanized, Painted, or Blackened
Wall Thickness	Varies Depending on Size (1mm – 20mm)
Standard	ISO 8434, SAE J516
Length	6m, 12m, or Customized
Material	High-strength Carbon Steel (Seamless Hydraulic Pipe)

Applications

The Zhengshen Hydraulic Steel Pipe, originating from China, is designed for a wide range of applications where durability and reliability under high pressure are paramount. It is suitable for industries such as oil and gas, construction, manufacturing, and heavy machinery, where hydraulic

systems require seamless and robust piping solutions. Its seamless construction ensures superior strength and resistance to leaks, making it ideal for transporting fluids under high pressure without compromising safety or performance.

With an outer diameter ranging from 10mm to 200mm and wall thickness that varies depending on size, the Zhengshen high pressure steel pipe accommodates diverse hydraulic system requirements. This flexibility in dimensions allows it to be used in everything from small-scale hydraulic equipment to large industrial machinery, making it a preferred choice for engineers and designers who need reliable piping that meets specific pressure and size demands.

The product features multiple end connection options—threaded, flanged, or welded ends—allowing for easy integration into existing systems or new installations. Threaded and flanged ends provide versatility in assembly and maintenance, ensuring the piping can be securely connected to various hydraulic components. Welded connections offer additional strength and leak-proof assurance for high-pressure applications, making this seamless hydraulic pipe highly suitable for critical hydraulic circuits.

Customization

Our Hydraulic Steel Pipe, branded Zhengshen and originating from China, offers exceptional customization services to meet your specific needs. The hydraulic steel tube is available with an outer diameter ranging from 10mm to 200mm and a wall thickness between 1mm and 20mm, ensuring versatility for various applications.

Manufactured as a seamless hydraulic pipe, it provides excellent corrosion resistance and a tensile strength of ≥ 500 MPa, guaranteeing durability and reliable performance under high pressure conditions. Surface treatments include galvanized, painted, or blackened finishes to enhance protection and aesthetic appeal.

Whether you require a high pressure steel pipe for industrial machinery or hydraulic systems, Zhengshen's customization services ensure that each pipe meets stringent quality standards and your precise specifications.

Support and Services

Our Hydraulic Steel Pipe is supported by a comprehensive technical support and service program designed to ensure optimal performance and customer satisfaction. We offer expert guidance on product selection, installation, and maintenance to help you achieve the best results in your hydraulic systems.

Our technical support team is available to assist with troubleshooting, system design consultations, and compatibility assessments to ensure the Hydraulic Steel Pipe meets your specific application requirements. We provide detailed product documentation, including specifications, certifications, and compliance information.

Additionally, we offer tailored training sessions and workshops for your technical staff to enhance their understanding of the Hydraulic Steel Pipe's features and proper handling techniques. Our commitment to quality extends to timely delivery, warranty coverage, and responsive after-sales service.

For any technical inquiries or service requests related to our Hydraulic Steel Pipe product, our dedicated support team is ready to provide prompt and professional assistance to help you maintain system efficiency and reliability.

Packing and Shipping

Our Hydraulic Steel Pipes are carefully packaged to ensure maximum protection during transportation and handling. Each pipe is coated with a protective layer to prevent corrosion and wrapped securely with industrial-grade materials. The pipes are then bundled together and strapped to maintain stability and prevent movement.

For shipping, the Hydraulic Steel Pipes are loaded onto pallets or into containers using cranes or forklifts, ensuring they are securely fastened to avoid any damage during transit. We offer flexible shipping options including sea freight, air freight, and land transport to meet the delivery requirements of our customers worldwide. Proper documentation and tracking are provided to guarantee timely and safe delivery of the product.

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 made in China.

Q3: What materials are used in the construction of Zhengshen Hydraulic Steel Pipes?

A3: Zhengshen Hydraulic Steel Pipes are typically made from high-quality carbon steel or alloy steel to ensure durability and strength under high pressure.

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

A4: These pipes are ideal for hydraulic systems, machinery, construction equipment, and other industrial applications requiring reliable fluid conveyance under high pressure.

Q5: Can Zhengshen Hydraulic Steel Pipes withstand high pressure conditions?

A5: Yes, Zhengshen Hydraulic Steel Pipes are designed and tested to withstand high pressure environments, making them suitable for heavy-duty hydraulic applications.

Product Gallery













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