



High Corrosion Resistance Hydraulic Steel Pipe and Seamless Hydraulic Tube with Threaded or Welded Connection and Varying Tensile Strength by Size

Our Product Introduction

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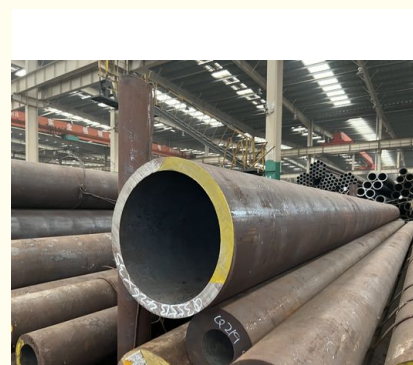
Basic Information

- Brand Name: Zhengshen
- Certification: ISO, GOST
- Minimum Order Quantity: 1ton
- Price: USD500-700
- Packaging Details: Bundle
- Delivery Time: UPTO THE QUANTITY
- Supply Ability: 10000TONS PER MONTH

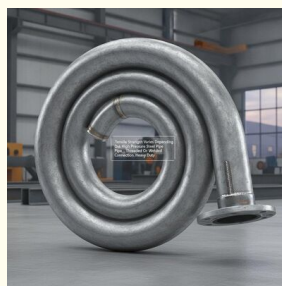


Product Specification

- Length: 6m Standard, Customizable
- Wall Thickness: Varies Depending On Size
- Connectiontype: Threaded Or Flanged Ends
- Material: High-strength Alloy Steel
- Productname: Hydraulic Steel Pipe
- Corrosionresistance: High
- Usage: Hydraulic Systems
- Wallthickness: 1mm - 10mm
- Highlight:
 - Threaded Welded Connection Hydraulic Steel Pipe
 - High Corrosion Resistance Hydraulic Steel Tube
 - Varying Tensile Strength Seamless Hydraulic Pipe



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Product Description

Product Description

The Hydraulic Steel Pipe is a premium-quality product engineered to meet the demanding requirements of high-pressure hydraulic systems. Manufactured from high-strength alloy steel, this pipe delivers exceptional durability and reliability, making it an ideal choice for a wide range of industrial applications. Advanced metallurgy ensures a yield strength of ≥ 500 MPa, allowing the pipe to withstand rigorous operational stresses while maintaining structural integrity under extreme conditions.

A key feature of this hydraulic steel tube is its surface treatment options, which include galvanized, painted, or blackened finishes. These treatments provide excellent corrosion resistance, enhancing the pipe's longevity and performance in harsh environments. The galvanized finish offers superior protection against rust and oxidation, making it suitable for outdoor and marine applications. The painted surface adds a layer of defense while allowing for appearance customization, whereas the blackened treatment delivers a sleek, professional look with enhanced surface hardness.

Designed as a seamless hydraulic pipe, this product eliminates the weaknesses associated with welded joints, ensuring uniform strength and preventing potential leakages. The seamless construction contributes to its ability to handle high pressures effectively, classifying it as a high-pressure steel pipe — a crucial characteristic for hydraulic systems operating under intense pressure where safety and reliability are paramount.

Overall, the hydraulic steel tube stands out in the market due to its high yield strength, reliable high-pressure rating, and excellent surface treatment options. It is a dependable component for hydraulic systems requiring strength, durability, and corrosion resistance. The seamless construction and size-dependent tensile strength further enhance its suitability for a wide range of demanding applications.

Choosing this high-pressure steel pipe means investing in quality and safety for your hydraulic projects. Its combination of high-strength alloy steel, advanced surface treatments, and seamless design ensures optimal performance under the most challenging conditions — a testament to engineering excellence that provides peace of mind and superior functionality for professionals in need of dependable hydraulic piping solutions.

Key Features

- Product Name:** Hydraulic Steel Pipe
- Type:** Seamless hydraulic pipe
- Pressure Rating:** High-pressure steel pipe suitable for demanding applications
- Surface Treatment:** Available in galvanized, painted, or blackened finishes
- End Finish:** Plain or beveled ends
- Connection Type:** Threaded or flanged ends for versatile installation
- Also Known As:** Hydraulic steel tube for various industrial uses

Technical Parameters

Product Name	Hydraulic Steel Pipe
Material	High-strength Alloy Steel
Yield Strength	≥ 500 MPa
Tensile Strength	Varies Depending On Size
Wall Thickness	1mm – 10mm
Length	6m Standard, Customizable
Corrosion Resistance	High
Connection Type	Threaded Or Welded
Connection Type (Alternate)	Threaded Or Flanged Ends
End Finish	Plain Or Beveled

Applications

The Zhengshen Hydraulic Steel Pipe, originating from China, is a premium-quality seamless hydraulic pipe designed to meet the rigorous demands of various industrial applications. Manufactured from high-strength alloy steel, this high-pressure steel pipe boasts exceptional mechanical properties — including a yield strength of ≥ 500 MPa and a tensile strength of ≥ 700 MPa — ensuring reliable performance under extreme pressure conditions. Wall thickness varies by size, allowing customization to suit specific operational requirements, and connection types are available in both threaded and welded options for flexible installation.

This seamless hydraulic pipe is widely used across multiple sectors where high-pressure fluid conveyance is critical:

Construction Industry: Integral components in hydraulic machinery such as excavators, cranes, and loaders, where they endure intense pressure and mechanical stress. Their robust construction ensures safety and durability, minimizing the risk of failure during heavy-duty operations.

Oil and Gas Sector: Essential conduits for hydraulic systems controlling drilling equipment and pipeline valves. High tensile and yield strength make them suitable for harsh environments and high-pressure applications, ensuring sustained performance under fluctuating loads and temperatures. The seamless design reduces the potential for leaks and improves overall system integrity.

Manufacturing and Industrial Automation: Precise control of hydraulic fluids is necessary for operating presses, injection molding machines, and robotic arms. The choice between threaded or welded connections allows seamless integration into existing systems or custom-built assemblies, enhancing operational efficiency.

Customization

Our Hydraulic Steel Pipe by Zhengshen offers comprehensive product customization services to meet your specific needs. Manufactured in China, these seamless hydraulic pipes are designed for high-pressure applications, ensuring reliable performance under demanding conditions. We provide various surface treatments — including galvanized, painted, or blackened finishes — to enhance durability and corrosion resistance. The pipes feature a wall thickness range from 1mm to 10mm, allowing for tailored strength and flexibility. Connection types are available in either threaded or welded options, providing versatility for different installation requirements. With high corrosion resistance and a superior pressure rating, our seamless hydraulic pipe and high-pressure steel pipe solutions guarantee long-lasting service and optimal safety for your hydraulic systems.

Support and Services

Our Hydraulic Steel Pipe product comes with comprehensive technical support and services to ensure optimal performance and reliability. We provide detailed product documentation, including specifications, installation guidelines, and maintenance procedures. Our technical support team is available to assist with any inquiries regarding product selection, system design, and troubleshooting.

We offer on-site inspection and testing services to verify the integrity and functionality of the hydraulic steel pipes within your system. Additionally, our maintenance services include routine checks, preventive maintenance schedules, and repair solutions to extend the lifespan of the pipes and maintain system efficiency.

Training sessions and workshops are available for your technical staff to enhance their understanding of hydraulic steel pipe applications, handling, and safety standards. Custom engineering support is also provided for specialized requirements or challenging projects.

Our commitment is to deliver reliable, high-quality support to maximize the performance of your hydraulic systems using our steel pipe products.

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 wrapped in a protective plastic film to prevent corrosion and surface damage. The pipes are then bundled securely with steel straps and placed on sturdy wooden pallets or crates to avoid movement and impact.

For shipping, we use reliable freight services with options for containerized or bulk transport, depending on the order size. All packages are clearly labeled with product specifications, handling instructions, and destination information to facilitate smooth delivery. We also offer customized packaging solutions to meet specific customer requirements, ensuring that your hydraulic steel pipes arrive safely and in optimal 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 Hydraulic Steel Pipe produced?

A2: The Hydraulic Steel Pipe is made in China.

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

A3: The Hydraulic Steel Pipe is made from high-quality steel to ensure durability and strength under hydraulic pressure.

Q4: What applications are suitable for the Zhengshen Hydraulic Steel Pipe?

A4: The pipe is ideal for use in hydraulic systems, machinery, construction equipment, and other industrial applications requiring reliable fluid conveyance.

Q5: Can the Zhengshen Hydraulic Steel Pipe withstand high pressure?

A5: Yes, the Hydraulic Steel Pipe is designed to withstand high hydraulic pressures, making it suitable for heavy-duty applications.

Product Gallery













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