High-strength Alloy Steel Hydraulic Steel Pipe with Threaded Or Welded Connection and High Corrosion Resistance for Hydraulic Steel Tube Systems

Our Product Introduction

Basic Information

- Place of Origin: China
- 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

- Wallthickness: 1mm - 10mm
- Pressure Rating: High
- Corrosionresistance: High
- Material: High-strength Alloy Steel
- Wall Thickness: Varies Depending On Size
- Connectiontype: Threaded Or Flanged Ends
- End Finish: Plain Or Beveled
- Usage: Hydraulic Systems
- Highlight: **Threaded or Welded Hydraulic Steel Pipe**, **High-strength Alloy Steel Hydraulic Steel Tube**, **High Corrosion Resistance Seamless Hydraulic Pipe**

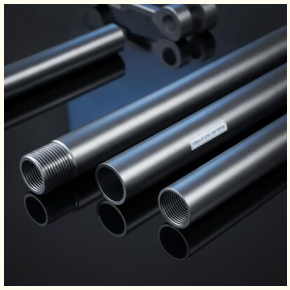


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Our Product Introduction

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Product Description

Product Overview

The Hydraulic Steel Pipe is an essential component engineered specifically for hydraulic systems that demand exceptional strength, durability, and reliability. Manufactured from high-strength alloy steel, it delivers superior performance across a wide range of industrial and mechanical applications where high pressure and robust tensile strength are critical.

As a high pressure steel pipe, it withstands demanding operating conditions, making it ideal for hydraulic machinery, heavy equipment, and other systems requiring efficient fluid power transmission.

A key feature of this hydraulic steel tube is its seamless construction. Unlike welded pipes, the seamless hydraulic pipe is manufactured without joints or seams, significantly enhancing structural integrity and resistance to high pressure. This design minimizes the risk of leaks, ruptures, or failures under extreme stress, ensuring safe and reliable operation even in the most challenging environments. It is especially suited for applications where safety and performance are paramount, including aerospace, automotive, construction, and manufacturing industries.

The carefully selected high-strength alloy steel contributes to exceptional mechanical properties, including a tensile strength of ≥ 700 MPa, which provides excellent resistance to deformation and fatigue. The tensile strength varies depending on pipe size, allowing customization and optimization for specific application requirements.

The hydraulic steel tube is also designed for easy installation and maintenance. Its precise dimensions and smooth surface finish allow for secure connections with other hydraulic components, reducing the likelihood of leaks and ensuring optimal fluid flow. Excellent resistance to corrosion and wear further enhances durability and reduces maintenance costs over time, making it a cost-effective solution for long-term hydraulic system performance.

Key Features

- Product Name: Hydraulic Steel Pipe
- Connection Type: Threaded or Welded
- Tensile Strength: ≥ 700 MPa, varies depending on size
- Length: 6 m standard, customizable lengths available
- Material: High-strength Alloy Steel
- Suitable for use as a high pressure steel pipe
- Designed to function effectively as a hydraulic steel tube
- Durable and reliable construction for a wide range of applications

Technical Parameters

Surface Treatment	Galvanized, Painted, or Blackened
Product Name	Hydraulic Steel Pipe
Connection Type	Threaded or Flanged Ends
Wall Thickness	1 mm – 10 mm
End Finish	Plain or Beveled
Tensile Strength	Varies depending on size, ≥ 700 MPa
Pressure Rating	High
Corrosion Resistance	High
Usage	Hydraulic Systems

Applications

The Zhengshen Hydraulic Steel Pipe, originating from China, is a high-quality product designed to meet the rigorous demands of various industrial applications. Known for its superior mechanical properties, this seamless hydraulic pipe boasts a yield strength of ≥ 500 MPa and a tensile strength of ≥ 700 MPa, making it exceptionally durable and reliable under high-pressure conditions. Its robust construction ensures outstanding performance in environments where safety and efficiency are paramount.

This high pressure steel pipe is widely used in hydraulic systems requiring seamless hydraulic pipe solutions. The seamless design eliminates weak points, providing enhanced resistance to pressure and fatigue—critical in hydraulic machinery, heavy equipment, and fluid power transmission systems. It is an ideal choice for industries such as construction, manufacturing, mining, and automotive, where hydraulic pipes must withstand extreme operational stresses.

The Zhengshen Hydraulic Steel Pipe is available with threaded or flanged ends, providing versatile connection options that facilitate easy installation and maintenance. Whether in complex hydraulic circuits or simpler systems, these connection types ensure secure and leak-resistant joints, maintaining system integrity even under fluctuating pressures. Additionally, plain or beveled end finishes offer further customization to suit specific welding or fitting requirements, enhancing adaptability across diverse applications.

Overall, the Zhengshen Hydraulic Steel Pipe is an excellent solution for any application requiring a high pressure steel pipe with outstanding mechanical properties and reliable connection options. Its seamless design, combined with threaded or flanged ends and versatile end finishes, makes it a preferred choice for industries aiming for optimal hydraulic system performance and longevity.

Customization Options

Our Hydraulic Steel Pipe customization services are designed to meet the specific needs of your projects. As a trusted brand, Zhengshen offers premium quality hydraulic steel tubes originating from China, ensuring reliability and performance. We provide both seamless hydraulic pipe and standard hydraulic steel tube options to suit various applications.

Customers can choose between threaded or welded connection types for optimal installation flexibility. Surface treatments are available in galvanized, painted, or blackened finishes, enhancing durability and corrosion resistance. Our pipes are engineered to handle high pressure ratings, making them ideal for demanding hydraulic systems.

The tensile strength of our hydraulic steel tubes varies depending on size, allowing you to select the perfect specification for your requirements. With high corrosion resistance, these pipes guarantee long-lasting performance even in challenging environments. Trust Zhengshen for customized solutions that deliver exceptional quality and functionality.

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 team provides detailed installation guidelines and maintenance instructions to maximize the lifespan and reliability of the pipes.

In addition, we conduct regular quality inspections and testing in accordance with industry standards to guarantee product integrity. Should you encounter any issues, our technical support specialists are available to assist with troubleshooting and on-site service. We are committed to delivering prompt and effective solutions to meet your hydraulic system needs.

Packing and Shipping

Our Hydraulic Steel Pipes are carefully packaged to ensure maximum protection during transportation. Each pipe is cleaned, coated with anti-rust oil, and bundled securely using steel straps. The bundles are then wrapped in waterproof plastic to prevent moisture damage.

For shipping, the pipes are loaded onto pallets or directly into containers, depending on the order size. We use reinforced packaging materials and secure loading techniques to avoid any movement or impact during transit. Our logistics team coordinates with reliable carriers to guarantee timely and safe delivery to your destination.

Whether shipped domestically or internationally, we adhere to all relevant shipping regulations and provide complete documentation to facilitate smooth customs clearance. Customer satisfaction and product integrity are our top priorities throughout the packaging and shipping process.

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 under high pressure.

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

A4: These pipes are commonly used in hydraulic systems, machinery, construction, and industrial equipment requiring fluid conveyance under pressure.

Q5: Are Zhengshen hydraulic steel pipes compatible with international hydraulic systems?

A5: Yes, Zhengshen hydraulic steel pipes are designed to meet international standards and are compatible with various hydraulic systems globally.

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