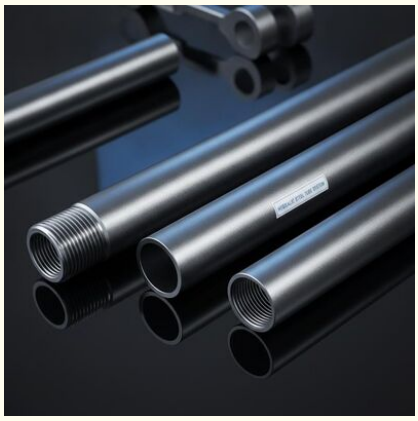
Threaded or Welded Hydraulic Steel Pipe in High-strength Alloy Steel with Painted Surface Treatment for Fluid Power Transmission

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

- Surfacetreatment: Galvanized, Painted, Or Blackened
- Yieldstrength: ≥ 500 MPa
- Tensile Strength: Varies Depending On Size
- Material: High-strength Alloy Steel
- Connection Type: Threaded Or Welded
- End Finish: Plain Or Beveled
- Connectiontype: Threaded Or Flanged Ends
- Wallthickness: 1mm - 10mm
- Highlight: **Threaded or Welded Hydraulic Steel Pipe**, **High-strength Alloy Steel Hydraulic Steel Tube**, **Painted Surface Treatment Hydraulic Tubing**



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Our Product Introduction

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Product Description

Product Overview

The Hydraulic Steel Pipe is a high-performance product engineered to meet the rigorous demands of hydraulic systems across various industrial applications. Manufactured with precision and superior materials, this product ensures durability, reliability, and optimal performance under high-pressure conditions. Often referred to as a Hydraulic Steel Tube, it is designed to provide efficient fluid conveyance in hydraulic machinery, making it an indispensable component in sectors such as construction, manufacturing, automotive, and heavy equipment.

One of the defining features of this Hydraulic Steel Pipe is its connection versatility. It is available with multiple connection types, including Threaded or Welded options, allowing for easy installation and secure fitting in diverse hydraulic systems. Additionally, the pipe can come with Threaded or Flanged Ends, further enhancing its adaptability to different coupling requirements and ensuring leak-proof connections even in high-pressure environments. This flexibility in connection types makes the Hydraulic Steel Tube suitable for a broad range of applications, catering to both standard and custom hydraulic setups.

The end finish of the Hydraulic Steel Pipe is another critical aspect that contributes to its overall functionality and ease of installation. Customers can choose between Plain or Beveled ends, depending on the specific needs of their hydraulic systems. Plain ends are typically used for straightforward connections, while beveled ends facilitate welding processes, ensuring stronger joints and enhanced integrity of the hydraulic pipeline. This attention to detail in the end finish options highlights the product's commitment to meeting industry standards and customer requirements.

Mechanical Properties & Construction

When it comes to mechanical properties, the Hydraulic Steel Tube boasts impressive strength characteristics that guarantee its performance under demanding conditions. The tensile strength of this product is ≥ 700 MPa, providing exceptional resistance to tensile forces that could otherwise compromise the integrity of the hydraulic system. This high tensile strength ensures that the pipe can withstand significant pressure and stress, making it ideal for critical applications where safety and reliability are paramount.

In addition to tensile strength, the yield strength of the Hydraulic Steel Pipe is also noteworthy, with a value of ≥ 500 MPa. This yield strength indicates the pipe's ability to endure stress without permanent deformation, maintaining its shape and functionality even under prolonged exposure to high-pressure hydraulic fluids. The combination of high tensile and yield strengths makes this Seamless Hydraulic Pipe a robust and dependable choice for hydraulic systems that operate under extreme conditions.

The product's seamless construction further enhances its performance and durability. Unlike welded pipes, the Seamless Hydraulic Pipe is manufactured without any joints or welds along its length, eliminating potential weak points where leaks or failures could occur. This seamless design ensures uniform strength distribution and superior resistance to internal pressure, corrosion, and mechanical wear. As a result, the Hydraulic Steel Tube provides longer service life and reduced maintenance costs, making it a cost-effective solution for hydraulic piping needs.

In summary, the Hydraulic Steel Pipe is a critical component in hydraulic systems, providing exceptional strength, reliability, and versatility. Its availability in Threaded or Welded connection types, with Plain or Beveled end finishes, along with its impressive tensile strength of ≥ 700 MPa and yield strength of ≥ 500 MPa, ensures that it meets the stringent demands of modern hydraulic applications. The seamless construction further guarantees durability and optimal performance, making this Hydraulic Steel Tube an essential product for any high-pressure hydraulic system.

Key Features

- Product Name: Hydraulic Steel Pipe
- Wall Thickness: 1mm – 10mm
- Yield Strength: ≥ 500 MPa
- Usage: Hydraulic Systems
- Connection Type: Threaded or Welded
- Surface Treatment: Galvanized, Painted, or Blackened
- High-quality hydraulic steel tube designed for high-pressure applications
- Durable seamless hydraulic pipe ensuring reliable performance
- Suitable as a high-pressure steel pipe for various hydraulic system needs

Technical Parameters

Product Name	Hydraulic Steel Pipe
Material	High-strength Alloy Steel
Length	6m Standard, Customizable
Tensile Strength	≥ 700 MPa, Varies Depending On Size
Yield Strength	≥ 500 MPa
Wall Thickness	1mm – 10mm
End Finish	Plain Or Beveled
Connection Type	Threaded Or Welded
Pressure Rating	High

Applications

The Zhengshen Hydraulic Steel Pipe, originating from China, is an essential component designed specifically for hydraulic systems that demand reliability, durability, and high performance. Renowned for its exceptional quality, the high-pressure steel pipe is engineered to withstand extreme pressure conditions commonly encountered in hydraulic applications. With a standard length of 6 meters, the pipe length is customizable to meet diverse project requirements, ensuring flexibility and convenience for various engineering needs.

This hydraulic steel tube is widely used in multiple application occasions and scenarios, making it a versatile solution for industries such as construction, manufacturing, automotive, and agriculture. In construction machinery, the hydraulic steel pipe plays a critical role in the operation of excavators, cranes, and loaders, where the integrity of hydraulic systems directly impacts the efficiency and safety of the equipment. Its robust design and high-pressure resistance make it ideal for transferring hydraulic fluid under intense pressure without leaks or failures.

In the manufacturing sector, the hydraulic steel tube is integral to automated machinery and robotic arms that rely heavily on hydraulic power for precision movement and force application. The availability of connection types—threaded, flanged ends, or welded—provides adaptability for seamless integration into existing hydraulic networks or new system designs. This versatility enhances maintenance and assembly efficiency, reducing downtime and operational costs.

Overall, the Zhengshen Hydraulic Steel Pipe is engineered to meet the rigorous demands of high-pressure hydraulic systems across various industries. Whether used in heavy machinery, industrial automation, or agricultural equipment, this hydraulic steel tube offers unmatched reliability, customizable length options, and multiple connection types—threaded, flanged, or welded—to suit every hydraulic application scenario.

Customization Services

Our Hydraulic Steel Pipe, branded Zhengshen and originating from China, offers exceptional customization services to meet your specific needs. This high-pressure steel pipe is designed with high corrosion resistance, ensuring durability and long service life in demanding environments. We provide seamless hydraulic pipe options that guarantee superior strength and reliability.

The tensile strength of our Hydraulic Steel Pipe varies depending on size, allowing us to tailor the product according to your application requirements. You can choose from multiple connection types, including threaded or flanged ends, as well as threaded or welded connections, to ensure compatibility with your existing systems.

Trust Zhengshen for seamless hydraulic pipe solutions that combine quality, performance, and customization, making our high-pressure steel pipe ideal for a wide range of hydraulic applications.

Support and Services

Our Hydraulic Steel Pipe product is designed to meet the highest standards of quality and performance for hydraulic systems. We provide comprehensive technical support to ensure optimal installation, operation, and maintenance of the pipes in various industrial applications.

Our technical support team is available to assist with product selection, system design considerations, and troubleshooting to maximize efficiency and safety. We offer detailed guidance on pressure ratings, temperature limits, and compatibility with hydraulic fluids to help you choose the right pipe for your specific needs.

In addition to technical assistance, we provide a range of services including custom fabrication, cutting, threading, and coating to meet your project specifications. Our quality control processes ensure that every pipe meets strict industry standards and certifications.

For maintenance and repair, we recommend regular inspection of the hydraulic steel pipes for signs of wear, corrosion, or damage. Our support team can provide advice on proper cleaning methods, storage conditions, and replacement schedules to extend the service life of your hydraulic piping system.

We are committed to delivering reliable products and exceptional customer service to support your hydraulic system's performance and durability. Please refer to our product manuals and technical datasheets for detailed information or reach out to our support team for personalized assistance.

Packing and Shipping

Our Hydraulic Steel Pipes are carefully packaged to ensure maximum protection during transportation and handling. Each pipe is coated with anti-rust oil to prevent corrosion and wrapped in protective materials such as plastic sleeves or shrink wrap. The pipes are then securely bundled and strapped together with steel bands or heavy-duty plastic straps to prevent movement and damage.

For shipping, the bundled pipes are loaded onto sturdy wooden pallets or metal racks to facilitate easy loading and unloading. The pallets are reinforced with corner protectors and additional wrapping to safeguard against impacts and environmental factors. We use reliable transportation methods including sea freight, rail, and road transport to deliver the products safely to your destination.

All shipments are accompanied by detailed documentation including packing lists, certificates of compliance, and shipping instructions to ensure smooth customs clearance and timely delivery.

Frequently Asked Questions

Q1: What is the brand 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 are the typical applications of Zhengshen hydraulic steel pipes?

A3: Zhengshen hydraulic steel pipes are commonly used in hydraulic systems for machinery, construction equipment, and industrial applications requiring high-pressure fluid conveyance.

Q4: What materials are used in the manufacturing of Zhengshen hydraulic steel pipes?

A4: Zhengshen hydraulic steel pipes are made from high-quality steel, designed to withstand high pressure and provide durability in demanding hydraulic applications.

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, ensuring easy integration into existing hydraulic systems.

Product Gallery













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