ISO 8434 Hydraulic Steel Pipe with Threaded or Flanged Ends for 35 MPa Pressure Rating 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

- Pressurerating: Up To 35 MPa
- Standard: ISO 8434, SAE J516
- Connectiontype: Threaded Or Flanged Ends
- Tensilestrength: ≥ 500 MPa
- Endconnection: Threaded, Flanged, Or Welded
- Connection Type: Threaded Or Welded
- Wallthickness: 1mm - 20mm
- Material: High-strength Carbon Steel
- Highlight: **ISO 8434 Hydraulic Steel Pipe**, **Threaded Flanged Ends Hydraulic Steel Tube**, **35 MPa Pressure Rating Seamless Hydraulic Pipe**



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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 fluid conveyance systems. Designed for durability and reliability, it is widely used in hydraulic applications where strength, corrosion resistance, and performance are critical. Its robust construction makes it essential in industries such as construction, manufacturing, oil and gas, and heavy machinery, where seamless performance under extreme conditions is mandatory.

A standout characteristic of this hydraulic steel pipe is its range of surface treatment options, including galvanized, painted, or blackened finishes. These treatments enhance resistance to corrosion, wear, and environmental factors, ensuring a prolonged service life even in harsh operating environments. The galvanized finish provides excellent rust protection, making it ideal for outdoor and marine applications. Painted surfaces offer an additional protective layer and aesthetic appeal, while the blackened treatment delivers a sleek, industrial look with moderate corrosion resistance.

In terms of construction, the hydraulic steel tube is available as a seamless hydraulic pipe, manufactured without any welded seams. This seamless design significantly improves strength and pressure-handling capability, making it a preferred choice for high-pressure hydraulic systems. The absence of welds eliminates weak points and potential leak paths, ensuring maximum integrity and safety during operation.

The pipe comes with a versatile range of wall thicknesses, from 1 mm to 20 mm. This wide range allows for customization based on the specific pressure requirements and mechanical stresses of different hydraulic systems. Thinner walls suit applications where weight savings and flexibility are important, while thicker walls provide enhanced strength and durability for heavy-duty or high-pressure settings.

A key specification is its pressure rating, capable of withstanding pressures up to 35 MPa. This high rating confirms the pipe's suitability for demanding hydraulic operations where fluid pressures are exceptionally high. The ability to handle such pressures safely makes the hydraulic steel pipe indispensable in hydraulic machinery, fluid power systems, and other industrial applications requiring dependable fluid transport under extreme conditions.

In summary, the high pressure steel pipe offers a combination of strength, durability, and versatility. With its seamless construction, multiple surface treatments, customizable wall thickness, and various end connection options, it is engineered to meet the rigorous demands of hydraulic systems. Whether used as a seamless hydraulic pipe or a hydraulic steel tube, this product guarantees reliable performance, safety, and longevity, making it a top choice for professionals and engineers working in high-pressure hydraulic environments.

Key Features

- Product Name: Hydraulic Steel Pipe
- Tensile Strength: ≥ 500 MPa
- Standards: ISO 8434, SAE J516
- Connection Type: Threaded or Flanged Ends
- Outer Diameter Range: 10 mm – 200 mm
- Connection Options: Threaded or Welded
- Suitable for use as a high pressure steel pipe
- Durable hydraulic steel tube designed for high pressure applications
- Reliable high pressure steel pipe ensuring safety and performance

Technical Parameters

Pressure Rating	Up To 35 MPa (High pressure steel pipe)
Length	6 m, 12 m, or Customized
Wall Thickness	1 mm – 20 mm
Material	High-strength Carbon Steel
Outer Diameter	10 mm – 200 mm
Tensile Strength	≥ 500 MPa
End Connection	Threaded, Flanged, or Welded (Seamless hydraulic pipe)
Connection Type	Threaded or Flanged Ends; Threaded or Welded (Seamless hydraulic pipe)

Applications

The Zhengshen Hydraulic Steel Tube is a versatile product originating from China, designed to meet the demanding requirements of various

industrial applications. Manufactured using high-strength carbon steel, it offers excellent corrosion resistance, making it suitable for harsh environments where durability and longevity are critical. Available in lengths of 6 meters, 12 meters, or customized sizes, and with an outer diameter ranging from 10 mm to 200 mm, the tube can be tailored to fit specific project needs.

A primary application for the Zhengshen hydraulic steel tube is in hydraulic systems used in construction machinery, agricultural equipment, and industrial automation. The tube's ability to withstand high pressure and resist corrosion ensures reliable performance in hydraulic circuits where fluid conveyance must be both secure and efficient. Threaded or flanged end connections allow for easy installation and maintenance, further enhancing suitability for heavy-duty hydraulic assemblies.

In the oil and gas industry, the hydraulic steel tube plays a critical role in transporting hydraulic fluids under extreme pressure conditions. Its high-strength carbon steel composition ensures the tube can endure mechanical stress and corrosive substances commonly found in drilling and extraction processes. Customizable lengths and diameters make it adaptable to different pipeline configurations, ensuring seamless integration into existing infrastructure.

The hydraulic steel tube is also widely used in manufacturing plants and factories where hydraulic presses, lifts, and other machinery depend on robust tubing to function efficiently. The excellent corrosion resistance of the Zhengshen hydraulic steel tube protects against damage from hydraulic fluids and environmental factors, reducing downtime and maintenance costs.

In summary, the Zhengshen hydraulic steel tube is an indispensable component in hydraulic machinery, oil and gas pipelines, industrial manufacturing, and construction projects. Its excellent corrosion resistance, customizable lengths and diameters, and flexible connection types make it a preferred choice for professionals seeking durable and high-performance hydraulic steel tubes.

Customization Options

Our Hydraulic Steel Pipe, branded Zhengshen and originating from China, offers exceptional product customization services to meet your specific needs. Made from high-strength carbon steel, these seamless hydraulic pipes are designed to withstand demanding environments with a tensile strength of ≥ 500 MPa. We provide wall thickness options ranging from 1 mm to 20 mm, ensuring flexibility for various applications.

Customization options include connection types such as threaded or welded, allowing for seamless integration into your systems. Additionally, surface treatments are available in galvanized, painted, or blackened finishes to enhance durability and corrosion resistance. Our high pressure steel pipes guarantee reliable performance in hydraulic systems, making them an ideal choice for industrial and construction applications.

Choose Zhengshen seamless hydraulic pipe for superior quality, customizable specifications, and outstanding strength to support your high-pressure requirements.

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 guidance on product selection, installation, and maintenance to help you achieve the best results in your hydraulic systems.

Our team of experienced engineers is available to provide detailed technical documentation, including specifications, pressure ratings, and compatibility information. We also offer troubleshooting assistance to quickly resolve any issues that may arise during operation.

Regular training sessions and workshops are conducted to keep your team updated on the latest industry standards and best practices related to hydraulic steel pipes. Additionally, we provide customized solutions tailored to meet the specific requirements of your projects.

We are committed to delivering high-quality products supported by reliable technical services, ensuring the longevity and safety of your hydraulic applications. For maintenance and repair services, our support staff can guide you through the recommended procedures to maintain the integrity of your hydraulic steel pipes.

Packing and Shipping

Our Hydraulic Steel Pipes are carefully packaged to ensure maximum protection during transportation. Each pipe is cleaned, inspected, and then coated with a protective layer to prevent rust and corrosion. Pipes are bundled securely with steel straps and placed on sturdy wooden pallets to maintain stability and prevent damage.

For shipping, we use reliable and efficient logistics partners to ensure timely delivery. The packaging is designed to withstand handling and environmental conditions during transit. Custom packaging options are available upon request to meet specific customer requirements.

All shipments are accompanied by detailed documentation, including quality certificates and packing lists, to facilitate smooth customs clearance and receiving processes. Our goal is to deliver the Hydraulic Steel Pipes safely and promptly to your designated location.

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 produced in China.

Q3: What are the common applications of Zhengshen Hydraulic Steel Pipes?

A3: Zhengshen Hydraulic Steel Pipes are commonly used in hydraulic systems, machinery, construction, and industrial equipment requiring high strength and durability.

Q4: What materials are used in manufacturing the Zhengshen Hydraulic Steel Pipe?

A4: The Hydraulic Steel Pipes by Zhengshen are made from high-quality steel to ensure excellent pressure resistance and long service life.

Q5: Are Zhengshen Hydraulic Steel Pipes compatible with international hydraulic fittings?

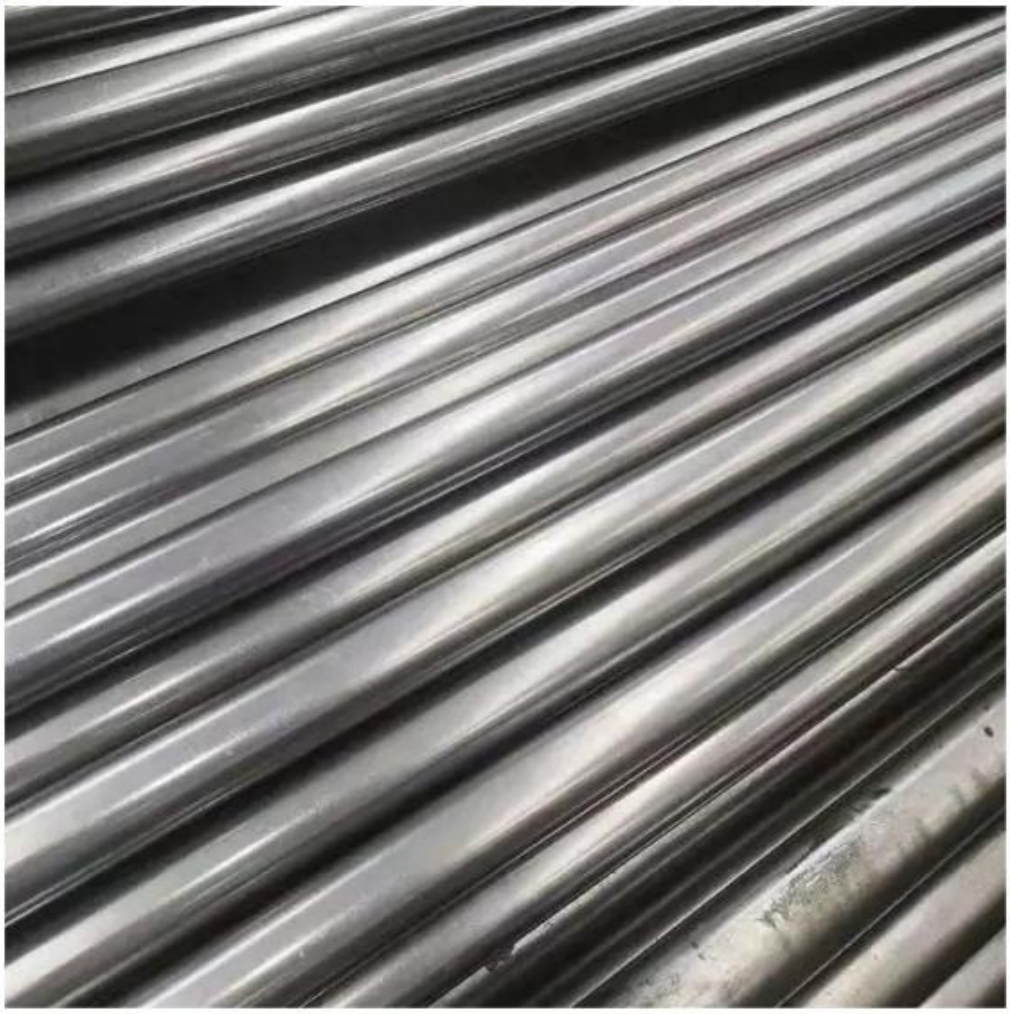
A5: Yes, Zhengshen Hydraulic Steel Pipes are designed to be compatible with standard international hydraulic fittings, ensuring easy integration into existing systems.

Product Gallery













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