



## 1 Sch 80 2 Sch 80 A53 Grade B Hydraulic Seamless Pipe High Strength Astm A335 P11

### Our Product Introduction

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#### Basic Information



#### Product Specification

- Name: Hydraulic Seamless Pipe
- Standard: EN10305, DIN239, DIN2445, GB/T 3639, GB 8713
- OD: 30mm~250mm
- Thickness: 0.5mm~18mm
- Length: According To Customer Requirement
- Application: Oil, Gas, Chemical, Boiler, Heat Exchanger
- Certificate: ISO, API, CE, PED, BV, SGS
- Technique: Hot Rolled, Cold Drawn, Cold Rolled
- Highlight: **a53 grade b seamless pipe,  
2 sch 80 seamless pipe, 1 sch 80 seamless pipe**



## Product Description

### High Strength Seamless Steel Tube For Hydraulic Pipe

Seamless Hydraulic Tubing covers cold drawn and annealed seamless low carbon steel pressure tubing intended for use as hydraulic lines and in other applications requiring tubing of a quality suitable for flaring and bending. All material is dead soft annealed and drawn. Has uniform ductility and a smooth clean inside surface.

### Specification

|                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
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| Standard            | EN10305, DIN239, DIN2445, GB/T 3639, GB 8713                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Material            | 10#~45#, 16Mn, Q195~Q345, ST35~ST52                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Size                | OD: 30mm~250mm WT: 0.5mm~18mm Length: according to customer requirement                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Production          | Tubes are manufactured by seamless process and both hot finished and cold finished are applicable                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Test                | Tension Test, Flaring Test, Flange Test, Reverse Test, Hardness Test, Hydrostatic or Nondestructive Electric Test                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Delivery conditions | 1. NBK(+N)<br>after cold forming, eventually above phase transition point, in a protective atmosphere of annealing oxidation medium<br>2. GBK(+A)<br>after cold forming, annealing in non oxidizing medium protective gas<br>3. BK(+C)<br>the final heat treatment after cold forming, therefore small steel pipe plastic, the plastic degree does not guarantee<br>4. BKW(+LC)<br>after final heat treatment, a tiny cold drawing deformation, continue again when machining steel pipe allowed inside certain limits cold deformation(bending, flaring)<br>5. BKS(+SR)<br>have a stress relief after cold forming, heat treatment, steel pipe can be carried out within a certain limit in the appropriate processing again |

### Features of hydraulic seamless pipes:

**Seamless Construction:** Hydraulic seamless pipes are manufactured using a seamless process, which means they are produced without any welded joints along their length. This seamless construction eliminates the risk of weak points or potential leakage, ensuring a reliable and durable hydraulic system.

**High Strength:** Hydraulic seamless pipes are designed to withstand high-pressure applications. They are made from materials such as carbon steel, stainless steel, or alloy steel, which offer excellent strength properties. This high strength enables the pipes to handle the demanding hydraulic forces and pressures without deformation or failure.

**Corrosion Resistance:** Hydraulic seamless pipes are often coated or made from corrosion-resistant materials to withstand the harsh operating environments commonly encountered in hydraulic systems. The coatings or materials protect the pipes from corrosion caused by hydraulic fluids, moisture, chemicals, and other corrosive elements.

**Precise Dimensions:** Hydraulic seamless pipes are manufactured to precise dimensional tolerances. They have consistent inner and outer diameters, ensuring proper fitment with hydraulic fittings, connectors, and components. The precise dimensions also contribute to efficient fluid flow and minimize pressure losses.

**Smooth Internal Surface:** Hydraulic seamless pipes undergo honing or other surface finishing processes to achieve a smooth internal surface. The smoothness reduces friction and turbulence within the pipe, facilitating efficient fluid flow and minimizing pressure drop. It also helps prevent the accumulation of debris or contaminants that could affect the performance of hydraulic components.

**Compatibility with Hydraulic Fluids:** Hydraulic seamless pipes are designed to be compatible with a wide range of hydraulic fluids, including mineral oil-based fluids, synthetic fluids, and water-based fluids. They exhibit excellent resistance to degradation, swelling, or deterioration when exposed to hydraulic fluids, ensuring long-term performance and reliability.

**Easy Installation and Maintenance:** Hydraulic seamless pipes are available in various lengths, diameters, and connection types, making installation and maintenance convenient. They can be easily connected to hydraulic fittings, valves, and components using threaded connections, flanges, or other standard connection methods.

**Temperature and Pressure Resistance:** Hydraulic seamless pipes are capable of withstanding a wide range of temperatures and pressures. They are designed to operate in both high-pressure and high-temperature environments commonly encountered in hydraulic systems, ensuring reliable performance under varying conditions.

These features make hydraulic seamless pipes an essential component in hydraulic systems, providing the necessary strength, durability, and fluid transmission capabilities required for efficient and reliable operation.

### Applications of hydraulic seamless pipes include:

**Hydraulic Systems:** Hydraulic seamless pipes are extensively used in hydraulic systems, such as hydraulic cylinders, hydraulic pumps, and hydraulic motors. They provide a reliable and efficient means of transmitting hydraulic fluid under high pressure to generate mechanical force or control movements.

**Construction Machinery:** Hydraulic systems are integral to construction machinery, including excavators, bulldozers, cranes, and loaders. Hydraulic seamless pipes are used to carry hydraulic fluid to power the various hydraulic components and enable precise control of movements and heavy lifting.

**Industrial Machinery:** Hydraulic systems are found in a wide range of industrial machinery, such as machine tools, presses, injection molding machines, and material handling equipment. Hydraulic seamless pipes are used to transmit hydraulic fluid to actuate different components and perform various functions, such as clamping, bending, cutting, and lifting.

**Agricultural Equipment:** Hydraulic systems are crucial in agricultural machinery, such as tractors, combines, and harvesters. Hydraulic seamless pipes enable the operation of hydraulic implements, such as loaders, backhoes, and hydraulic lifts, used for tasks like lifting heavy loads, adjusting equipment height, and controlling attachments.

**Automotive Industry:** Hydraulic seamless pipes are employed in automotive applications, particularly in braking systems and power steering systems. They carry hydraulic fluid to actuate the brake calipers or wheel cylinders in hydraulic brakes and assist in steering control through hydraulic power steering systems.

**Aerospace and Aviation:** Hydraulic systems are vital in aircraft for functions like landing gear operation, wing flap actuation,

and control surfaces movement. Hydraulic seamless pipes are used to transport hydraulic fluid to different hydraulic actuators and ensure reliable operation in demanding aerospace environments.

Marine Applications: Hydraulic systems are employed in marine vessels for various functions, including steering, propulsion, and cargo handling. Hydraulic seamless pipes are used to transfer hydraulic fluid to control mechanisms, rudders, winches, and other hydraulic components in marine applications.

Oil and Gas Industry: Hydraulic seamless pipes are utilized in oil and gas exploration, production, and refining processes. They are employed for hydraulic fracturing (fracking), well control systems, hydraulic power units, and other hydraulic equipment used in drilling operations and oilfield machinery.

### Why Choose us?

- (1) High quality steel tube with reasonable price.
- (2) Wide excellent experiences with after-sale service.
- (3) Every process will be checked by responsible QC which insures every product's quality.
- (4) Professional packing teams which keep every packing safely.
- (5) Trial order can be done in one week.
- (6) Samples can be provided as your requirements.

### FAQ

Q1. Are you a manufacturer or trader?

We are a manufacturer, and we can have our own factory produced many steel products.

Q2. Whether your company supports Trade Assurance order?

Yes, we can (100% product quality protection; 100% on-time shipment protection; 100% payment protection)

Q3. Can we get the some samples? Any charges?

Yes, you can get available samples in our stock. If the samples from new production, we will charge some reasonable cost, but this amount will be deducted from your first order.

Q4. How do we build up business relations with your company?

Send us your requirement which includes size, coating info, parameters, quantity, destination .

Q5. What is the MOQ?

We can accept small orders. Please feel free to contact us, we can meet your requirements.

Q6. What's your advantage?

With high-quality products and efficient customer service, we adhere to the principle of customer first.

Q7. How long is your delivery time?

Delivered within 15 days after receipt of deposit.



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