



Gas Drilling Carbon Steel Seamless Steel Pipe For Automobile Half Axle Sleeve

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: Carbon Steel Seamless Pipe
- Minimum Order Quantity: 1
- Price: Negotiable
- Packaging Details: Standard Export Packing
- Delivery Time: 7~30 working days
- Payment Terms: L/C, D/A, D/P, T/T, Western Union



Product Specification

- Name: Seamless Steel Pipe
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: Carbon Steel Seamless Pipe
- Material: Carbon Steel Alloy Steel
- Wall Thickness: 1-20mm (0.04 Inch - 0.78 Inch)
- Outer Diameter: 6-2500mm
- Processing Service: Bending, Punching, Cutting
- Usage: Pipeline Transport, Oil/Gas Drilling, Machinery Industry
- Highlight: **gas drilling carbon steel seamless steel pipe, automobile carbon steel pipe seamless, automobile carbon steel seamless steel pipe**



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Product Description

Carbon Steel Seamless Pipe For Automobile Half-Axle Sleeve

Product Description: The seamless steel pipe for automobile half-shaft casing is mainly used to protect the transmission shaft. The two ends of the half-shaft casing are fixed on the bracket, and the transmission shaft passes through the half-shaft casing to protect the transmission shaft. According to domestic market surveys, the annual consumption of half-shaft sleeves in the national automobile industry is about 15,000 tons. With the further development of the automobile industry, the market demand for half-shaft sleeves has great growth potential. The main materials for automobile half-shaft casing are 45#, 45Mn2, 40MnB, 40Cr, 25MnCr, and the product standard is YB/T5035-1996.

Standard for Automotive Axle Tubes:

Aspect	Description
Standard	SAE J604, ISO 4468, DIN 738, GB/T 3059, etc. (varies by region and application)
Grade	Common grades include SAE 1045, SAE 4340, EN 42CrMo4, etc.
Application	Used for manufacturing drive shafts and axle shafts in vehicles

Grades of Automotive Axle Tubes:

Grade	Typical Applications
SAE 1045	General-purpose axles with moderate strength requirements
SAE 4340	High-strength axles for performance and heavy-duty vehicles
EN 42CrMo4	Alloy steel for enhanced toughness and wear resistance

Chemical Composition:

Element	SAE 1045	SAE 4340	EN 42CrMo4
Carbon (C)	0.42-0.50%	0.38-0.43%	0.38-0.45%
Manganese (Mn)	0.50-0.80%	0.70-0.90%	0.90-1.20%
Silicon (Si)	≤0.40%	≤0.40%	≤0.40%
Phosphorus (P)	≤0.035%	≤0.035%	≤0.035%
Sulfur (S)	≤0.035%	≤0.030%	≤0.035%
Chromium (Cr)	-	-	0.90-1.20%
Molybdenum (Mo)	-	-	0.15-0.25%

Mechanical Properties:

Property	SAE 1045	SAE 4340	EN 42CrMo4
Tensile Strength (MPa)	440-590	860-1100	980-1180
Yield Strength (MPa)	310-440	785-965	835-1080
Elongation (%)	≥12 (for most products)	≥10 (for most products)	≥12 (for most products)
Hardness (HB)	120-170 (annealed condition)	200-280 (normalized condition)	200-250 (quenched and tempered)

Product Applications:

Oil and Gas Industry: Used for transporting oil, natural gas, and water in pipelines.

Hydrocarbon Processing: Suitable for refineries and petrochemical plants.

Water Supply Systems: Employed in municipal and industrial water supply and distribution networks.

Chemical Industry: Ideal for the transportation of chemicals and corrosive fluids.

Piping Systems: Utilized in various industrial and commercial piping systems for fluid control.

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PRODUCT DISPLAY





Company Profile

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COMPANY INFORMATION



 **Cangzhou BaoYang Pipe Industry Co., Ltd**

Cangzhou Baoyang Pipe Industry Co., Ltd. is located in the Hope New Area of Mengcun County, Hebei Province, China's pipeline equipment base. It is an enterprise that integrates spot storage of steel pipes, production of pipe fittings, and sales and exports. Our company mainly operates seamless pipes made of special materials, and has long-term good cooperative relationships with major steel mills such as Tianjin Seamless, Hengyang Hualing, Yantai Lubao, Inner Mongolia Baosteel, Shanghai Baosteel, Jiangsu Chengde, Anhui Tianda, etc. Our products are widely used in pipeline engineering fields such as petroleum, petrochemical, chemical, natural gas, thermal power, boilers, etc

Factory Tour

Factory Picture

Cangzhou Baoyang Pipeline Co., Ltd



team introduction

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Applications

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