



20# Steel Carbon Seamless Steel Pipe For Structural ASTM / DIN / GB / EN / JIS Standards

Our Product Introduction

Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: ASTM/DIN/GB/EN/JIS
- 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 Carbon Steel Pipes
- Process: Hot Rolled Cold Rolled Cold Drawn
- Standards: ASTM/DIN/GB/EN/JIS
- Material: Carbon 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: **structural carbon seamless steel pipe, structural carbon steel pipe seamless, astm carbon seamless steel pipe**



Product Description

20# Steel Carbon Seamless Steel Pipe For Structural

Product Description: 20# Steel Carbon Seamless Steel Pipes are a type of carbon steel tubing known for their structural integrity and strength. These pipes are manufactured using a seamless process, which involves the creation of a continuous hollow tube from a solid billet of steel. The seamless design ensures a uniform material structure, providing superior performance and reliability compared to welded pipes. The '20#' designation refers to a carbon steel with a moderate carbon content, typically around 0.20%, which contributes to the pipe's tensile strength and ductility.

Key Features:

Seamless Construction: The seamless structure eliminates the potential for weak points associated with welded seams, making these pipes ideal for applications where structural reliability is critical.

Carbon Steel Material: Made from carbon steel with a 0.20% carbon content, these pipes offer a balance of strength and weldability.

Structural Applications: Suited for structural use in construction, bridge building, and other heavy-duty applications where high loads are present.

Mechanical Properties: Exhibits good tensile and yield strength, as well as sufficient ductility to allow for some degree of deformation without failure.

Product Applications:

Construction Industry: Utilized as structural support columns, beams, and other load-bearing elements in building construction.

Infrastructure Development: Employed in the creation of bridges, highways, and other large-scale infrastructure projects.

Mechanical Equipment: Used in the fabrication of heavy machinery and equipment that requires strong and durable components.

Pressure Vessels: Suitable for the construction of pressure vessels and boilers due to their ability to withstand high pressures.

Piping Systems: Ideal for use in piping systems that require high-strength tubes, such as those used in oil and gas transportation or water supply systems.

Reinforcement: Used for reinforcing concrete structures to enhance their load-bearing capacity.

standards for 20 # seamless steel pipes

- (1) GB / T8163-2008 seamless steel pipe for fluid transportation
- (2) gb3087-2008 seamless steel tubes for low and medium pressure boilers
- (3) seamless steel tubes for petroleum cracking (GB / T 9948-2013)
- (4) seamless pipe for high pressure fertilizer equipment (GB / T 6479-2013)
- (5) GB / T 5310-2017 seamless steel tubes for high pressure boilers (in the standard, the steel number is 20g; G refers to boiler steel tubes)

20 # chemical composition

Standard	Chemical composition									
	C	Si	Mn	Cr	Mo	Ni	Cu	V	P	S
				≤						
GB/T8163					--	0.30	0.25	--	0.035	0.035
GB/T 9948	0.17-0.23	0.17-0.37	0.35-0.65	0.25	0.15	0.25	0.20	0.08	0.025	0.015
GB/T 6479										

It can be seen from table 1 that the content of main elements (such as C, Si, Mn) in the chemical composition of 20 × seamless steel pipe in each material standard is the same. The content of residual elements (such as Ni, Cl, Cu, Mo, V) in steel in gb9948-2013 and GB 6479-2013 are the same, but there are slight differences between GB / T 8163-2008 and the above two standards. The main difference of chemical composition lies in the content of P and s.

Mechanical Properties of 20 # Seamless Steel Pipe

Standard	Mechanical Properties							
	Tensile strength/MPa	Yield strength/MPa			Elongation		KV2/J	
		≤16mm	16-30mm	>30mm	Portrait	Transverse	Portrait	Transverse
		≥						Test temperature/°C
GB/T8163	410-530	245	235	225	20		---	
GB/T 9948	410-550	245			24	22	≥40	≥27
GB/T 6479	410-550	245	16-40mm	>40mm	24	22	≥40	≥27

BAOYANG · CHINA

PRODUCT DISPLAY





Company Profile

BAOYANG · CHINA 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

OUR FRIENDS



Applications

BAOYANG · CHINA APPLICATION SCENARIOS



Cangzhou Baoyang Pipeline Equipment Co., Ltd.



+8615131762322



info@baoyangpipe.com



pipe-seamless.com

Room 512, Block B, Tiancheng Building, Yunhe District, Cangzhou City