



## American Standard Low Temperature Seamless Stainless Steel Tubing ASTM A333 ASME SA333

### Our Product Introduction

#### Basic Information

- Place of Origin: cangzhou
- Brand Name: BaoYang
- Certification: CE & ISO
- Model Number: GB 6479 12CrMo
- 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: GB 6479 12CrMo
- 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: **seamless stainless steel tubing astm , low temperature seamless stainless steel tubing , astm seamless 316 stainless steel tubing**



## Product Description

### American Standard Low Temperature Seamless Pipe ASTM A333 ASME SA333

ASTM A333 and ASME SA333 low-temperature seamless pipes are manufactured using carbon or alloy steel materials. These pipes are produced with a seamless construction, ensuring uniformity and structural integrity. The seamless manufacturing process eliminates the need for welding, reducing the risk of defects and improving the overall strength of the pipes. They are available in different grades and sizes to suit specific application requirements.

#### ASTM Scope:

This specification covers nominal (average) wall carbon and alloy steel pipe intended for use at low temperatures and in other applications requiring notch toughness. Several grades of ferritic steel are included as listed in Table 1. Some product sizes may not be available under this specification because heavier wall thicknesses have an adverse effect on impact properties.

#### Product Knowledge:

This ASTM specification is written so that the end user and the manufacturer can agree upon, and clearly understand, the properties and capabilities of the piping product being supplied. In contrast with national codes (like API, ASME or CSA), ASTM A333 is rarely stipulated by national or state-level legal requirements.

There are several grades in A333, each with different steelmaking approach to improve the steel's impact properties at lower temperatures. Several grades have nickel (Ni) additions, and are capable of high toughness at cryogenic temperatures as low as -320F (-195C). Many of these grades would be considered rare, and in the experience of Bri-Steel, they are expensive to procure and may be difficult to find a capable fabricator with an proven weld procedure. The exception to this is Gr6, which is quite common and is regularly stocked in colder regions of North America. A333 Gr6 has proven impact toughness at -50F (-45C), and is commonly used in applications where the piping is exposed directly to cold environments during construction and/or in operation.

#### Chemical Composition (%) of ASTM A333 steel pipe

Grade	Chemical Composition (%)										
	C	Si	Mn	P	S	Cr	Ni	Cu	Mo	V	Al
Grade 1	≤0.30		0.40-1.06	≤0.025	≤0.025						
Grade 3	≤0.19	0.18-0.37	0.31-0.64	≤0.025	≤0.025		3.18-3.82				
Grade 4	≤0.12	0.18-0.37	0.50-1.05	≤0.025	≤0.025	0.44-1.01	0.47-0.98	0.40-0.75			0.04-0.30
Grade 6	≤0.30	≥0.10	0.29-1.06	≤0.025	≤0.025						
Grade 7	≤0.19	0.13-0.32	≤0.90	≤0.025	≤0.025		2.03-2.57				
Grade 8	≤0.13	0.13-0.32	≤0.90	≤0.025	≤0.025		8.40-9.60				
Grade 9	≤0.20		0.40-1.06	≤0.025	≤0.025		1.60-2.24	0.75-1.25			
Grade 10	≤0.20	0.10-0.35	1.15-1.50	≤0.035	≤0.015	≤0.15	≤0.25	≤0.015	≤0.50	≤0.12	≤0.06
Grade 11	≤0.10	≤0.35	≤0.6	≤0.025	≤0.025	≤0.50	35.0-37.0		≤0.50		

#### Production specification range of low temperature pipe products

No.	Order No.	Size description		
		O.D.	W.T.	Legnth
		/mm	/mm	/m
1		10 127	1 20	6 12.0
		42 114.3	3.5 6	6 12.2
		42 114.3	6 12	6 12.2
		114.3 180	3.8 8	6 12.2
	A333 Gr.6	114.3 180	8 22	6 12.2
	A333 Gr.6/X42NS	68 180	10 14	6 12.2
		69 254	14 55	6 12.2
		140 340	6 8	6 12.2
2	A333 Gr.6/X52QS	140 368	8 42	6 12.2
		318 720	14 50	4 12.5
		42 114.3	3.5 12	6 12.2
		114.3 180	3.8 22	6 12.2
		68 254	10 40	6 12.2
		140 368	6 40	6 12.2
		318 720	14 40	4 12.5
		140 368	6 25	6 12.2
		318 720	14 25	4 12.5
		10 127	1 20	6 12.0
		42 114.3	3.5 12	6 12.2
		114.3 180	3.8 22	6 12.2

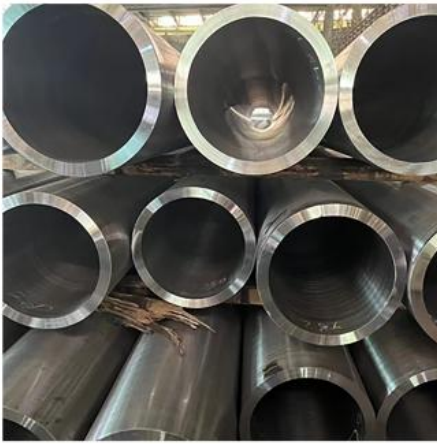
3	16MnDG	68 254	10 55	6 12.2
		140 368	6 42	6 12.2
		318 720	14 120	4 12.5

BAOYANG · CHINA

PRODUCT DISPLAY







**Company Profile**

# BAOYANG · CHINA COMPANY INFORMATION

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## 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



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