





# GB Standard

Product Name	Executive Standard	Grade
Seamless Steel Pipe for Structural Purpose	GB/T8162-2008	Carbon and Alloy Structural Steel
Seamless Steel Pipe for Liuid Service	GB/T8163-2008	10, 20,16Mn
Seamless Steel Tubes for Low and Medium Boiler	GB3087-1999	10, 20
Seamless Steel Tubes for High Pressure Boiler	GB5310-1995	20G, 20MnG, 12CrMoVG, 15CrMoG
Seamless Carbon Steel Marine Tubes	GB/T5312-1999	320, 360, 410
Highp-pressure Seamless Steel Tubes for Chemical Fertilizer Equipments	GB6479-2000	10, 20, 12CrMoG, 15CrMo

# ASTM Standard

Product Name	Executive Standard	Grade
Black and Hot-Dipped Zinc-Coated Steel Pipes Welded and Seamless	ASTM A53	A, B
Seamless Carbon Steel for High Temperature Service	ASTM A106	A, B
Seamless Cold-Drawn Low-Carbon Steel Heat Exchanger and Condenser Tubes	ASTM A179	Low Carbon Steel
Seamless Carbon Steel Boiler Tubes for High Pressure	ASTM A192	Low Carbon Steel
Seamless Ferritic Alloy Steel Pipe for High-Temperature Service	ASTM A335	P5, P11, P12, P22
Seamless Medium-Carbon and Alloy Steel Boiler and Superheater Tubes	ASTM A210	A1, C
Seamless Ferritic and Austenitic Alloy Steel Boiler, Superheater and Heat-Exchanger Tubes	ASTM A213	T5, T11, T12, T22
Seamless Carbon and Alloy Steel for Mechanical Tubing	ASTM A519	Carbon Steel, Alloy Steel

## API Standard

Product Name	Executive Standard	Grade
Specification for Casing and Tubing	API Spec 5CT	J55, K55, N80, L80,C90, C95, T95, P110, M65
Specification for Line Pipe	API Spec 5L	A,B X42, X46, X52, X56, X60, X65,. X70

# **DIN Standard**

Product Name	Executive Standard	Grade
Seamless Steel Tube for Elevated Temperature	DN 17175	ST35, ST45, ST52, 13CrMo44
Cold Drawn Seamless Precision Pipe	DIN 2391	St35, St45, St52
Seamless Circular Unalloyed Steel Tubes Subject to Special Requirments	DIN 1629	St37, St45, St52

## **Dimensional Tolerances**

Pipe types	Pipe Size	(mm)	Tolerances					
	OD -	<50	±0.50mm					
	OD =	≥50	±1%					
Hot rolled		<4	±12.5%					
	WT	4~20	+15%, -12.5%					
		>20	±12.5%					
		6 <b>~</b> 10	±0.20mm					
	-	10~30	±0.40mm					
	OD -	30~50	±0.45					
Cold drawn		>50	±1%					
		≤1	±0.15mm					
	WT	1~3	+15%, -10%					
		>3	+12.5%, -10%					

# Specifications

Specificati	OH	•																								
Out Diameter								- 1		T	Wa	all Ti	nickr	ness	(mn	n)										
mm	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	35
73										-																
76.1																										
82.5																										
88.9																										
101.6																										
114.3																		1.7								
127																							N-			
139.7																										
152.4																										
159																										
168.3														1												
177.8	1																									
193.7																										
203		Ш																								
219.1																										
244.5																										
273																										
298.5																										
323.8																										
339.7																										
355.6																- 3										
406.4																		No.		1						
457.2																		wig.								
473.1																										
508																										
530																										
558.8	1	7																								
609.6																										
630																										