

GB Seamless Pipe

Steel Pipe- Seamless Pipe- GB Seamless Pipe- 【Steel Grade】			
Standard No	Steel Grade	Standard Name	Dimension Range
GB/T 8162	10, 20, 35, 45, Q345, 40Mn2, 45Mn2, 27SiMn, 40MnB, 45MnB, 20Mn2B, 20Cr, 30Cr, 35Cr, 40Cr, 45Cr, 50Cr, 38CrSi, 12CrMo, 15CrMo, 20CrMo, 35CrMo, 42CrMo, 12CrMoV, 12Cr1MoV, 38CrMoAl, 50CrVA, 20CrMn, 20CrMnSi, 30CrMnSi, 35CrMnSiA, 20CrMnTi, 30CrMnTi, 12CrNi2, 12CrNi3, 12CrNi4, 40CrNiMoA, 45CrNiMoVA	Seamless Steel Tubes for Structural Purposes	6-660 mm
GB/T 8163	10, 20, Q295, Q345	Seamless Steel Tubes for Liquid Service	6-660 mm
GB/T 3639	10, 20, 30, 45	Cold Drawn or Cold Rolled Precision Seamless Steel Tubes	4-200 mm
GB/T 3093	20A	High-pressure Seamless Steel Tubes for Diesel Engine	6-10 mm
GB/T 8713	10, 20, 35, 45	Inside Diameter Required Precision Seamless Steel Tube for Hydraulic and Pneumatic Cylinder Use	25-200 mm
GB 3087	10, 20	Seamless Steel Tubes for Low and Medium Pressure	6-660 mm
GB 5130	20G, 20MnG, 25MnG, 15MoG, 20MoG, 12CrMoG, 15CrMoG, 12Cr2MoG, 12Cr1MoVG, 12Cr2MoWVTiB, 12Cr3MoVSiTiB, 10Cr9Mo1VNb	Seamless Steel Tubes for High Pressure	22-530 mm
GB 9948	10, 20, 12CrMo, 15CrMo, 1Cr2Mo, 1Cr5Mo	Seamless Steel Tubes for Petroleum Cracking	10-273 mm
GB/T 17396	20, 35, 45, 27SiMn, 30MnNbRE	Seamless Hot-rolled Steel Tubes for Hydraulic Pillar Service	68-402 mm

Steel Pipe- Seamless Pipe- GB Seamless Pipe- 【Dimension】					
Outside Diameter -“D” (mm)	Wall Thickness -“S” (mm)		Outside Diameter -“D” (mm)	Wall Thickness -“S” (mm)	
					Outside Diameter -“D” (mm)
					Wall Thickness -“S” (mm)

GB Seamless Pipe

Calculation of Unit Weight: W= 0.02466 * S * (D-S)							
4	0.5-1.2		54	1.0-14.0		168	3.5-45.0
5	0.5-1.2		55	0.8-14.0		170	3.5-25.0
6	0.25-2.0		57	1.0-14.0		180	3.5-50
7	0.25-2.5		60	0.8-16.0		190	5.0-25.0
8	0.25-2.5		63	0.8-16.0		194	3.5-50.0
9	0.25-2.5		68	6.0-12.0		200	5.0-25.0
10	0.25-3.5		70	0.8-17.0		203	3.5-55.0
11	0.25-3.5		73	1.0-19.0		219	6.0-55.0
12	0.25-4.0		76	0.8-20.0		220	7.0-25.0
12.7	0.5-3.0		77	1.4-20.0		224	8.0-32.0
13	0.25-4.0		80	0.8-20.0		232	8.0-34.0
13.5	0.25-4.0		83	1.4-22.0		240	7.0-25.0
14	0.25-4.0		85	1.4-22.0		245	6.0-65.0
15	0.5-3.0		89	1.4-24.0		252	8.0-40.0
16	0.25-5.0		90	1.2-22.0		260	7.0-25.0
17	0.25-5.0		95	1.4-24.0		273	6.5-65.0
18	0.25-5.0		95.5	6.0-16.0		299	7.5-65.0
19	0.25-6.5		100	1.2-25.0		325	7.5-65.0
20	0.25-6.0		102	1.4-28.0		340	8.0-65.0
21	0.4-6.0		105	6.0-16.0		351	8.0-65.0
22	0.4-6.0		108	1.4-30.0		355	10.0-40.0
25	0.4-7.5		110	1.2-12.5		356	9.0-65.0
25.4	0.4-7.0		114	1.5-30.0		377	9.0-70.0
26	0.5-6.0		120	1.8-12.5		402	9.0-65.0
27	0.4-7.0		121	1.5-32.0		406	9.0-65.0
28	0.4-8.0		125	3.5-20.0		426	9.0-70.0
30	0.4-8.0		127	1.8-32.0		450	9.0-70.0
32	0.4-8.0		130	1.8-12.5		457	9.0-65.0
34	0.4-8.0		133	2.5-36.0		480	9.0-70.0
35	0.4-9.0		140	1.8-36.0		500	9.0-70.0
38	0.4-10.0		141	6.0-16.0		508	9.0-65.0
40	0.4-10.0		142	3.0-36.0		530	9.0-70.0
42	1.0-10.0		146	3.0-40.0		560	9.0-65.0
45	1.0-12.5		150	1.8-25.0		610	9.0-65.0
48	1.0-12.5		152	3.0-40.0		630	9.0-65.0
50	1.2-12.5		159	3.5-45.0		660	9.0-65.0
51	1.0-12.0		160	1.8-25.0			

GB Seamless Pipe

Steel Pipe- Seamless Pipe- GB Seamless Pipe- 【Dimension Tolerance】

[GB/T 8162 Seamless Steel Tubes for Structural Purposes](#)

[GB/T 8163 Seamless Steel Tubes for Liquid Service](#)

[GB 3087 Seamless Steel Tubes for Low and Medium Pressure](#)

[GB 5130 Seamless Steel Tubes for High Pressure](#)

[GB 9948 Seamless Steel Tubes for Petroleum Cracking](#)

[GB/T 17396 Seamless Hot-rolled Steel Tubes for Hydraulic Pillar Service](#)

GB/T 8162 Seamless Steel Tubes for Structural Purposes				
Type	Diameter (mm)		Tolerance	
			Common	High-level
Hot Rolled Tube	Outside Diameter	<50	±0.50mm	±0.40mm
		≥50	±1%	±0.75%
	Wall Thickness	<4	±12.5% (With a Minimum of ±0.40mm)	±10%(With a Minimum of ±0.30mm)
		≥4-20	-12.5%, +15%	±10%
		>20	±12.5%	±10%
Cold Drawn (Rolled) Tube	Outside Diameter	6-10	±0.20mm	±0.10mm
		>10-30	±0.40mm	±0.20mm
		>30-50	±0.45mm	±0.25mm
		>50	±1%	±0.5%
	Wall Thickness	≤1	±0.15mm	±0.12mm
		>1-3	-10%, +15%	±10%
		>3	-10%, 12.5%	±10%
Note: When the outside diameter of the Hot Rolled tubes is no less than 351mm, the tolerance on wall thickness is ±18%.				

GB/T 8163 Seamless Steel Tubes for Liquid Service				
Type	Diameter (mm)		Tolerance	
			Common	High-level
Hot Rolled Tube	Outside Diameter	All	±1% (With a Minimum of ±0.50)	—
	Wall Thickness	All	-12.5%, +15% (With a Minimum of -0.40, +0.45)	—
Cold Drawn	Outside Diameter	6-10	±0.20	±0.15
		>10-30	±0.40	±0.20

GB Seamless Pipe

(Rolled) Tube		>30-50	±0.45	±0.30
		>50	±1%	±0.8%
	Wall Thickness	≤1	±0.15mm	±0.12
		>1-3	-10%, +15%	-10%, +12.5%
		>3	-10%, 12.5%	±10%
		Note: When the outside diameter of the Hot Rolled tubes is no less than 351mm, the tolerance on wall thickness is ±18%.		

GB 3087 Seamless Steel Tubes for Low and Medium Pressure				
Type	Diameter (mm)		Tolerance	
			Common	High-level
Hot Rolled Tube	Outside Diameter	≤159	±1.0% (With a Minimum of ±0.50mm)	±0.75%(With a Minimum of ±0.40mm)
		>159	±1.0%	±0.90%
	Wall Thickness	≤20	-12.5%, +15.0% (With a Minimum of 0.35, +0.45mm)	±10%(With a Minimum of ±0.30mm)
		>20	±12.5%	±10%
		D≥351	±15%	
Cold Drawn (Rolled) Tube	Outside Diameter	>10-30	±0.40mm	±0.20mm
		>30-50	±0.45mm	±0.25mm
		>50	±1%	±0.75%
	Wall Thickness	1.5-3.0	-10%, +15%	±10%
		>3.0	-10%, +12.5%	±10%

GB 5130 Seamless Steel Tubes for High Pressure				
Type	Diameter (mm)		Tolerance (mm)	
			Common	High-level
Hot Rolled Tube	Outside Diameter	≤159	±1.0%(With a Minimum of ±0.5mm)	±0.75%(With a Minimum of ±0.3mm)
		>159	±1.0%	±0.90%
	Wall Thickness	<3.5	-10%, +15% (With a Minimum of -0.32, +0.48mm)	±10%(With a Minimum of ±0.2mm)
		3.5-20	-10%, +15%	±10%
		>20	D<219	±10%
			D≥219	±7.5%
			-10.0%, +12.5%	±10%
Cold Drawn	Outside Diameter	≤30	±0.20mm	±0.15mm
		>30-50	±0.30mm	±0.25mm

GB Seamless Pipe

(Rolled) Tube		>50	±0.8%	±0.6%
	Wall Thickness	2-3	-10%, +12%	±10%
		>3	±10%	±7.5%

GB 9948 Seamless Steel Tubes for Petroleum Cracking				
Type	Diameter (mm)		Tolerance	Tolerance on Length (m)
Hot Rolled Tube	Outside Diameter	≤159	±1.00%	4-12 ±0.02
		>159	±1.25%	
	Wall Thickness	≤20	±12.5%	
		>20	±10.0%	
Cold Drawn (Rolled) Tube	Outside Diameter	≤30	±0.20	3-10.5 ±0.02
		>30-50	±0.30	
		>50	±0.08%	
	Wall Thickness	≤3	-10%, +12%	
		>3	±10%	

GB/T 17396 Seamless Hot-rolled Steel Tubes for Hydraulic Pillar Service			
Diameter (mm)		Tolerance (%)	
		Common	High-level
——		±1	±0.75
Wall Thickness	≤20	±12.5	±10
	>20	-10, +12.5	