Boiler Tube and Alloy Steel Pipe

Baolai’ s state-of-the-art manufacturing processes and advanced inspection and testing procedures ensure our boiler tubes stand up to the harshest environments.

Our hot selling boiler tube specifications are ASTM A179, ASTM A192, ASTM A210,etc.

Baolai provide ASTM A213, ASTM A333, ASTM A335, ASTM A519 and other standard alloy steel pipe include grade P5, P9, P11, P22, P91, T9, T11, T22, T91,etc.

Baolai also provide stainless steel pipe: ASTM A269, ASTM A312,ASTM A790, ASTM A789, EN 10216-2, EN 10305, etc. The round pipe size is bellow.

Boiler Tube Size

Outside diameter		Tube weight in kg/m with wall thickness [gauge / inches / mm]															
		25g	20g	18g	16g	14g	13g	12g	11g	10g	9g	5/32g	3/16g	7/32g	1/4g	9/32g	5/16g	3/8g
		0.02	0.035	0.049	0.065	0.083	0.095	0.109	0.12	0.134	0.148	0.156	0.188	0.219	0.25	0.281	0.313	0.375
[mm]	[inch]	0.51	0.89	1.24	1.64	2.11	2.41	2.77	3.05	3.4	3.76	3.96	4.78	5.56	6.35	7.14	7.95	9.53
6.35	1/4"	0.07	0.12	0.16	0.19													
9.53	3/8"	0.11	0.19	0.25	0.32	0.38	0.42											
12.70	1/2"	0.15	0.26	0.35	0.45	0.55	0.61	0.66	0.725									
15.88	5/8"			0.45	0.58	0.71	0.80	0.89	0.963									
19.05	3/4"			0.55	0.71	0.88	0.99	1.11	1.20									
22.23	7/8"			0.64	0.84	1.05	1.18	1.33	1.44	1.58								
25.40	1"			0.74	0.97	1.21	1.37	1.54	1.68	1.84	2.00	2.09						
28.58	1 1/8"			0.84	1.09	1.37	1.56	1.76	1.92	2.11	2.30	2.40						
31.75	1 1/4"			0.94	1.22	1.54	1.74	1.98	2.16	2.38	2.59	2.73	3.17					
34.93	1 3/8"			1.03	1.35	1.70	1.93	2.14	2.39	2.64	2.89	3.02	3.55	4.02	4.47			
38.10	1 1/2"			1.13	1.48	1.87	2.12	2.41	2.63	2.91	3.18	3.33	3.92	4.46	4.97	5.44		
41.28	1 5/8"				1.61	2.04	2.31	2.63	2.87	3.17	3.47	3.64	4.29	4.90	5.46	6.00		
44.45	1 3/4"				1.74	2.20	2.50	2.84	3.11	3.44	3.77	3.95	4.67	5.33	5.96	6.56	7.15	
47.63	1 7/8"				1.87	2.37	2.69	3.06	3.35	3.71	4.06	4.26	5.04	5.76	6.46	7.12	7.77	
50.80	2"				2.00	2.53	2.88	3.28	3.59	3.97	4.36	4.57	5.41	6.20	6.95	7.68	8.39	9.69
53.98	2 1/8"				2.13	2.69	3.07	3.49	3.82	4.24	4.65	4.88	5.79	6.63	7.45	8.24	9.01	10.43
57.15	2 1/4"				2.26	2.86	3.25	3.71	4.06	4.51	4.94	5.19	6.16	7.07	7.95	8.79	9.64	11.18
60.33	2 3/8"				2.39	3.02	3.44	3.93	4.30	4.77	5.24	5.50	6.54	7.51	8.44	9.35	10.26	11.92
63.50	2 1/2"				2.52	3.19	3.63	4.14	4.54	5.04	5.53	5.81	6.91	7.94	8.94	9.91	10.88	12.67
66.68	2 5/8"				2.64	3.35	3.82	4.36	4.78	5.31	5.83	6.12	7.28	8.37	9.44	10.47	11.50	13.41
69.85	2 3/4"				2.77	3.52	4.02	4.58	5.02	5.57	6.12	6.43	7.66	8.81	9.93	11.03	12.12	14.16
73.03	2 7/8"				2.90	3.68	4.20	4.79	5.46	5.84	6.41	6.74	8.03	9.24	10.43	11.59	12.75	14.90
76.20	3"				3.03	3.85	4.39	5.01	5.49	6.10	6.71	7.05	8.40	9.68	10.93	12.14	13.37	15.64
79.38	3 1/8"				3.16	4.01	4.58	5.22	5.73	6.26	7.00	7.36	8.78	10.12	11.42	12.70	13.99	16.39
82.55	3 1/4"				3.29	4.18	4.76	5.44	5.97	6.63	7.30	7.67	9.15	10.55	11.92	13.26	14.61	17.13
88.90	3 1/2"					4.51	5.14	5.87	6.45	7.17	7.88	8.29	9.90	11.42	12.91	14.38	15.85	18.63
92.08	3 5/8"					4.67	5.33	6.09	6.69	7.44	8.18	8.60	10.27	11.86	13.41	14.94	16.47	19.38
95.25	3 3/4"					4.84	5.52	6.31	6.92	7.70	8.47	8.91	10.64	12.29	13.91	15.49	17.10	20.12
101.60	4"					5.17	5.90	6.74	7.40	8.23	9.06	9.53	10.93	13.16	14.90	16.61	18.35	21.61
104.78	4 1/8"											9.84	11.76	13.59	15.91	17.16	18.96	22.35
107.95	4 1/4"													14.03	16.16	17.72	19.58	23.10
114.30	4 1/2"													14.90	16.89	18.84	20.83	24.58
120.65	4 3/4"													15.77	17.87	19.96	22.07	26.07

Alloy and Stainless Steel Pipes Size

Outside Diameter			Norminal Wall Thickness (Sch)																
NPS	DN	mm	SCH5s	SCH10s	SCH10	SCH20	SHC30	SCH40s	STD	SCH40	SCH60	SCH80s	XS	SCH80	SCH100	SCH120	SCH140	SCH160	XXS
1/8	6	10.3	-	1.24	-	-	-	1.73	1.73	1.73	-	2.41	2.41	2.41	-	-	-	-	-
1/4	8	13.7	-	1.65	-	-	-	2.24	2.24	2.24	-	3.02	3.02	3.02	-	-	-	-	-
3/8	10	17.1	-	1.65	-	-	-	2.31	2.31	2.31	-	3.20	3.20	3.20	-	-	-	-	-
1/2	15	21.3	1.65	2.11	-	-	-	2.77	2.77	2.77	-	3.73	3.73	3.73	-	-	-	4.78	7.47
3/4	20	26.7	1.65	2.11	-	-	-	2.87	2.87	2.87	-	3.91	3.91	3.91	-	-	-	5.56	7.82
1	25	33.4	1.65	2.77	-	-	-	3.38	3.38	3.38	-	4.55	4.55	4.55	-	-	-	6.35	9.09
1 1/4	32	42.2	1.65	2.77	-	-	-	3.56	3.56	3.56	-	4.85	4.85	4.85	-	-	-	6.35	9.70
1 1/2	40	48.3	1.65	2.77	-	-	-	3.68	3.68	3.68	-	5.08	5.08	5.08	-	-	-	7.14	10.15
2	50	60.3	1.65	2.77	-	-	-	3.91	3.91	3.91	-	5.54	5.54	5.54	-	-	-	8.74	11.07
2 1/2	65	73.0	2.11	3.05	-	-	-	5.16	5.16	5.16	-	7.01	7.01	7.01	-	-	-	9.53	14.02
3	80	88.9	2.11	3.05	-	-	-	5.49	5.49	5.49	-	7.62	7.62	7.62	-	-	-	11.13	15.24
3 1/2	90	101.6	2.11	3.05	-	-	-	5.74	5.74	5.74	-	8.08	8.08	8.08	-	-	-	-	-
4	100	114.3	2.11	3.05	-	-	-	6.02	6.02	6.02	-	8.56	8.56	8.56	-	11.13	-	13.49	17.12
5	125	141.3	2.77	3.40	-	-	-	6.55	6.55	6.55	-	9.53	9.53	9.53	-	12.70	-	15.88	19.05
6	150	168.3	2.77	3.40	-	-	-	7.11	7.11	7.11	-	10.97	10.97	10.97	-	14.27	-	18.26	21.95
8	200	219.1	2.77	3.76	-	6.35	7.04	8.18	8.18	8.18	10.31	12.70	12.70	12.70	15.09	18.26	20.62	23.01	22.23
10	250	273.1	3.40	4.19	-	6.35	7.80	9.27	9.27	9.27	12.70	12.70	12.70	15.09	18.26	21.44	25.40	28.58	25.40
12	300	323.9	3.96	4.57	-	6.35	8.38	9.53	9.53	10.31	14.27	12.70	12.70	17.48	21.44	25.40	28.58	33.32	25.40
14	350	355.6	3.96	4.78	6.35	7.92	9.53	-	9.53	11.13	15.09	-	12.70	19.05	23.83	27.79	31.75	35.71	-
16	400	406.4	4.19	4.78	6.35	7.92	9.53	-	9.53	12.70	16.66	-	12.70	21.44	26.19	30.96	36.53	40.49	-
18	450	457.2	4.19	4.78	6.35	7.92	11.13	-	9.53	14.27	19.05	-	12.70	23.83	29.36	34.93	39.67	45.24	-
20	500	508	4.78	5.54	6.35	9.53	12.70	-	9.53	15.09	20.62	-	12.70	26.19	32.54	38.10	44.45	50.01	-
22	-	559	4.78	5.54	6.35	9.53	12.70	-	9.53	-	22.23	-	12.70	28.58	34.93	41.28	47.63	53.98	
24	600	610	5.54	6.35	6.35	9.53	14.27	-	9.53	17.48	24.61	-	12.70	30.96	38.89	46.02	52.37	59.54	-
26	-	660	-	-	7.92	12.70	-	-	9.53	-	-	-	12.70	-	-	-	-	-	-
28	700	711	-	-	7.92	12.70	15.88	-	9.53	-	-	-	12.70	-	-	-	-	-	-
30	-	762	6.35	7.92	7.92	12.70	15.88	-	9.53	-	-	-	12.70	-	-	-	-	-	-
32	800	813	-	-	7.92	12.70	15.88	-	9.53	17.48	-	-	12.70	-	-	-	-	-	-
34	-	864	-	-	7.92	12.70	15.88	-	9.53	17.48	-	-	12.70	-	-	-	-	-	-
36	900	914	-	-	7.92	12.70	15.88	-	9.53	19.05	-	-	12.70	-	-	-	-	-	-
38	-	965	-	-	-	-	-	-	9.53	-	-	-	12.70	-	-	-	-	-	-
40	1000	1016	-	-	-	-	-	-	9.53	-	-	-	12.70	-	-	-	-	-	-
42	-	1067	-	-	-	-	-	-	9.53	-	-	-	12.70	-	-	-	-	-	-
44	1100	1118	-	-	-	-	-	-	9.53	-	-	-	12.70	-	-	-	-	-	-
46	-	1168	-	-	-	-	-	-	9.53	-	-	-	12.70	-	-	-	-	-	-
48	1200	1219	-	-	-	-	-	-	9.53	-	-	-	12.70	-	-	-	-	-	-