



LINE PIPE

Tianjin Yuantai Derun Steel Pipe Manufacturing Group

PIPE SCHEDULE

ASTM(METRIC)

FOR 5S,10S,40S,80S;

Figure based on austenitic steel

www.yuantaisteelpipe.com

www.ytdrintl.com

Nominal pipe size mm/inch	OD mm	5S	10S	40S	80S	10	20	30	STD	40	60	XS	80	100	120	140	160	XXS
6 / 1/8	10.3		1.24 0.28	1.73 0.36	2.41 0.48				1.73 0.37	1.73 0.37		2.41 0.47	2.41 0.47					
8 / 1/4	13.7		1.65 0.51	2.24 0.64	3.02 0.82				2.24 0.63	2.24 0.63		3.02 0.80	3.02 0.80					
10 / 3/8	17.1		1.65 0.64	2.31 0.86	3.20 1.12				2.31 0.84	2.31 0.84		3.20 1.10	3.20 1.10					
15 / 1/2	21.3	1.65 0.82	2.11 1.01	2.77 1.30	3.73 1.65				2.77 1.27	2.77 1.27		3.73 1.62	3.73 1.62				4.78 1.95	7.47 2.55
20 / 3/4	26.7	1.65 1.04	2.11 1.31	2.87 1.71	3.91 2.24				2.87 1.69	2.87 1.69		3.91 2.20	3.91 2.20				5.56 2.90	7.82 3.64
25 / 1	33.4	1.65 1.33	2.77 2.13	3.38 2.55	4.55 3.29				3.38 2.50	3.38 2.50		4.55 3.24	4.55 3.24				6.35 4.24	9.09 5.45
32 / 1 1/4	42.2	1.65 1.68	2.77 2.76	3.56 3.46	4.85 4.56				3.56 3.39	3.56 3.39		4.85 4.47	4.85 4.47				6.35 5.61	9.70 7.77
40 / 1 1/2	48.3	1.65 1.95	2.77 3.11	3.68 4.13	5.08 5.51				3.68 4.05	3.68 4.05		5.08 5.41	5.08 5.41				7.14 7.25	10.15 9.56
50 / 2	60.3	1.65 2.44	2.77 4.01	3.91 5.54	5.54 7.63				3.91 5.44	3.91 5.44		5.54 7.48	5.54 7.48				8.74 11.11	11.07 13.44
65 / 2 1/2	73.0	2.11 3.77	3.05 5.36	5.16 8.81	7.01 11.64				5.16 8.63	5.16 8.63		7.01 11.41	7.01 11.41				9.53 14.92	14.02 20.39
80 / 3	88.9	2.11 4.60	3.05 6.59	5.49 11.52	7.62 15.59				5.49 11.29	5.49 11.29		7.62 15.27	7.62 15.27				11.13 21.35	15.24 27.68
90 / 3 1/2	101.6	2.11 5.29	3.05 7.55	5.74 13.64	8.08 19.01				5.74 13.57	5.74 13.57		8.08 18.63	8.08 18.63					
100 / 4	114.3	2.11 5.96	3.05 8.52	6.02 16.40	8.56 22.77				6.02 16.07	6.02 16.07		8.56 22.32	8.56 22.32		11.13 28.32		13.49 33.54	17.12 41.03
125 / 5	141.3	2.77 9.67	3.40 11.82	6.55 22.20	9.53 31.59				6.55 21.77	6.55 21.77		9.53 30.97	9.53 30.97		12.70 40.28		15.88 49.11	19.05 57.43
150 / 6	168.3	2.77 11.55	3.40 14.13	7.11 28.83	10.97 43.42				7.11 28.26	7.11 28.26		10.97 42.56	10.97 42.56		14.27 54.20		18.26 67.56	21.95 79.22
200 / 8	219.1	2.77 15.09	3.76 20.37	8.18 43.39	12.70 65.95	6.35 33.31	7.04 36.81	8.18 42.55	8.18 42.55	10.31 53.08	12.70 64.64	12.70 64.64	15.09 75.92	18.26 90.44	20.62 100.92	23.01 111.27	22.23 107.92	
250 / 10	273.1	3.40 23.08	4.19 28.34	9.27 61.52	12.70 83.19	6.35 41.77	7.80 60.31	9.27 60.31	9.27 60.31	12.70 81.55	12.70 81.55	15.09 96.01	18.26 114.75	21.44 133.06	25.40 155.15	28.58 172.33	25.40 155.15	
300 / 12	323.9	3.96 31.89	4.57 36.73	9.52 75.32	12.70 99.43	6.35 49.73	8.38 65.20	9.53 73.88	10.31 79.73	14.27 108.96	12.70 97.46	17.48 132.08	21.44 159.91	25.40 186.97	28.58 208.14	33.32 238.76	25.40 186.97	
350 / 14	355.6	3.96 35.08	4.78 42.14			6.35 54.69	7.92 67.90	9.53 81.33	9.53 81.33	11.13 94.55	15.09 126.71	12.70 107.39	19.05 158.10	23.83 194.96	27.79 224.65	31.75 253.56	35.71 281.70	
400 / 16	406.4	4.19 42.41	4.78 48.26			6.35 62.64	7.92 77.83	9.53 93.27	9.53 93.27	12.70 123.30	16.66 160.12	12.70 123.30	21.44 203.53	26.19 245.56	30.96 286.64	36.53 333.19	40.49 365.35	
450 / 18	457.2	4.19 47.77	4.78 54.36			6.35 70.57	7.92 87.71	11.13 122.38	9.53 105.16	14.27 155.80	19.05 205.74	12.70 139.15	23.88 254.55	29.36 309.62	34.93 363.56	39.67 408.26	45.24 459.37	
500 / 20	508.0	4.78 60.46	5.54 70.00			6.35 78.55	9.53 117.15	12.70 155.12	9.53 117.15	15.09 183.42	20.62 247.83	12.70 155.12	26.19 311.17	32.54 381.53	38.10 441.49	44.45 508.11	50.01 564.81	
550 / 22	558.8	4.78 66.57	5.54 77.06			6.35 86.54	9.53 129.13	12.70 171.09	9.53 129.13	22.23 294.25	12.70 171.09	28.58 373.83	34.93 451.42	41.28 527.02	47.63 600.63	53.98 672.26		
600 / 24	609.8	5.54 84.16	6.35 96.37			6.35 94.53	9.53 141.12	14.27 209.64	9.53 141.12	17.48 255.41	24.61 355.26	12.70 187.06	30.96 442.08	38.89 547.71	46.02 840.03	52.37 720.15	59.54 808.22	
650 / 26	660.4					7.92 127.36	12.70 202.72		9.53 152.87			12.70 202.72						
700 / 28	711.2					7.92 137.32	12.70 218.69	15.88 271.21	9.53 164.85			12.70 218.69						
750 / 30	762.0	6.35 120.72	7.92 150.36			7.92 147.28	12.70 234.67	15.88 292.18	9.53 176.84			12.70 234.67						
800 / 32	812.8					7.92 157.24	12.70 250.64	15.88 312.15	9.53 188.82	17.48 342.91		12.70 250.64						
850 / 34	863.6					7.92 167.20	12.70 266.61	15.88 332.12	9.53 200.31	17.48 364.90		12.70 266.61						
900 / 36	914.4					7.92 176.96	12.70 282.27	15.88 351.70	9.53 212.56	19.05 420.40		12.70 282.27						
950 / 38	965.2								9.53 224.54			12.70 298.24						
1000 / 40	1016.0								9.53 236.53			12.70 314.22						
1050 / 42	1066.8								9.53 248.52			12.70 330.19						
1100 / 44	1117.8								9.53 260.50			12.70 346.16						
1150 / 46	1168.4								9.53 272.25			12.70 351.82						
1200 / 48	1219.2								9.53 264.24			12.70 377.79						

Wall Thickness=mm

Weight=kg/m(plain end mass)
5S,10S,40S,80S-ANSI B36.19



LINE PIPE

PIPE SCHEDULE JIS

(Unit: kg/m)

(A)	(B)	O.D.mm	SGP	S/10	S/20	S/30	S/40	S/60	S/80	S/100	S/120	S/140	S/160
8A	1/4	13.8	2.3 (0.652)				2.2 (0.629)	2.4 (0.675)	3.0 (0.799)				
10A	3/8	17.3	2.3 (0.851)				2.3 (0.851)	2.8 (1.00)	3.2 (1.11)				
15A	1/2	21.7	2.8 (1.31)				2.8 (1.31)	3.2 (1.46)	3.7 (1.64)				4.7 (1.97)
20A	3/4	27.2	2.8 (1.68)				2.9 (1.74)	3.4 (2.00)	3.9 (2.24)				5.5 (2.94)
25A	1	34.0	3.2 (2.43)				3.4 (2.57)	3.9 (2.89)	4.5 (3.27)				6.4 (4.36)
32A	1 1/4	42.7	3.5 (3.38)				3.6 (3.47)	4.5 (4.24)	4.9 (4.57)				6.4 (5.73)
40A	1 1/2	48.6	3.5 (3.89)				3.7 (4.10)	4.5 (4.89)	5.1 (5.47)				7.1 (7.27)
50A	2	60.5	3.8 (5.31)		3.2 (4.52)		3.9 (5.44)	4.9 (6.72)	5.5 (7.46)				8.7 (11.1)
65A	2 1/2	76.3	4.2 (7.47)		4.5 (7.97)		5.2 (9.12)	6.0 (10.4)	7.0 (12.0)				9.5 (15.6)
80A	3	89.1	4.2 (8.79)		4.5 (9.39)		5.5 (11.3)	6.6 (13.4)	7.6 (15.3)				11.1 (21.4)
90A	3 1/2	101.6	4.2 (10.1)		4.5 (10.8)		5.7 (13.5)	7.0 (16.3)	8.1 (18.7)				12.7 (27.8)
100A	4	114.3	4.5 (12.2)		4.9 (13.2)		6.0 (16.0)	7.1 (18.8)	8.6 (22.4)		11.1 (28.2)		13.5 (33.6)
125A	5	139.8	4.5 (15.0)		5.1 (16.9)		6.6 (21.7)	8.1 (26.3)	9.5 (30.5)		12.7 (39.8)		15.9 (48.6)
150A	6	165.2	5.0 (19.8)		5.5 (21.7)		7.1 (27.7)	9.3 (35.8)	11.0 (41.8)		14.3 (53.2)		18.2 (66.0)
200A	8	216.3	5.8 (30.1)		6.4 (33.1)	7.0 (36.1)	8.2 (42.1)	10.3 (52.3)	12.7 (63.8)	15.1 (74.9)	18.2 (88.9)	20.6 (99.4)	23.0 (110)
250A	10	267.4	6.6 (42.4)		6.4 (41.2)	7.8 (49.9)	9.3 (59.2)	12.7 (79.8)	15.1 (93.9)	18.2 (112)	21.4 (130)	25.4 (152)	28.6 (168)
300A	12	318.5	6.9 (53.0)		6.4 (49.3)	8.4 (64.2)	10.3 (78.3)	14.3 (107)	17.4 (129)	21.4 (157)	25.4 (184)	28.6 (204)	33.3 (234)
350A	14	355.6	7.9 (67.7)	6.4 (55.1)	7.9 (67.7)	9.5 (81.1)	11.1 (94.3)	15.1 (127)	19.0 (158)	23.8 (195)	27.8 (225)	31.8 (254)	35.7 (282)
400A	16	406.4	7.9 (77.6)	6.4 (63.1)	7.9 (77.6)	9.5 (93.0)	12.7 (123)	16.7 (160)	21.4 (203)	26.2 (246)	30.9 (286)	36.5 (333)	40.5 (365)
450A	18	457.2	7.9 (87.5)	6.4 (71.1)	7.9 (87.5)	11.1 (122)	14.3 (156)	19.0 (205)	23.8 (254)	29.4 (310)	34.9 (363)	39.7 (409)	45.2 (459)
500A	20	508.0	7.9 (97.4)	6.4 (79.2)	9.5 (117)	12.7 (155)	15.1 (184)	20.6 (248)	26.2 (311)	32.5 (381)	38.1 (441)	44.4 (508)	50.0 (565)

Big Diameter Pipe

(A)	(B)	mm mm	3.2	4.0	4.5	5.0	5.5	5.6	6.0	6.4	6.5	7.1	7.9	8.0	8.7	9.0	9.5	100	103	11.1	11.9	12.7	13.1	14.0	15.1	16.0	17.0	17.4												
300A	12	318.5							46.2	49.3	50.0																													
350A	14	355.6							51.7	55.1	56.0	61.0	67.7	68.6	74.4	76.9																								
400A	16	406.4							59.2	63.1	64.1	69.9	77.6	78.6	85.3	88.2	93.0																							
450A	18	457.2							66.8	71.1	72.2	78.8	87.5	96.2	99.5	105	110	114																						
500A	20	508.0							74.3	79.2	80.4	87.7	97.4	98.6	107	111	117	123	126	136	146																			
550A	22	558.8							81.8	87.2	88.5	96.6	107	109	118	122	129	135	139	150	160	171																		
600A	24	609.6							89.0	95.2	96.7	106	117	119	129	133	141	148	152	164	175	187																		
650A	26	660.4							96.8	103	105	114	127	129	140	145	152	160	165	178	190	203																		
700A	28	711.2							104	111	113	123	137	139	151	156	164	173	178	192	205	219																		
750A	30	762.0							112	119	121	132	147	149	162	167	176	185	191	206	220	235																		
800A	32	812.8							119	127	129	141	157	159	173	178	188	198	204	219	235	251																		
850A	34	863.6							127	135	137	150	167	169	183	190	200	210	217	233	250	266																		
900A	36	914.4							134	143	146	159	177	179	195	201	212	223	230	247	265	282																		
1000A	40	1016.0							149	159	162	177	196	199	216	223	236	248	255	275	295	314																		
1100A	44	1117.6							178	194	216	219	238	246	260	273	281	303	324	346																				
1200A	48	1219.2										212	236	239	260	269	283	298	307	331	354	378																		
1350A	52	1371.6										239	266	269	292	302	319	336	346	372	399	426	439																	
1500A	60	1524.0										266	295	299	325	336	355	373	384	414	444	473	488																	
1600A	64	1626.0										283	315	319	347	359	379	399	410	442	474	505																		
1800A	72	1828.8														404	426	449	462	498	533	569																		