

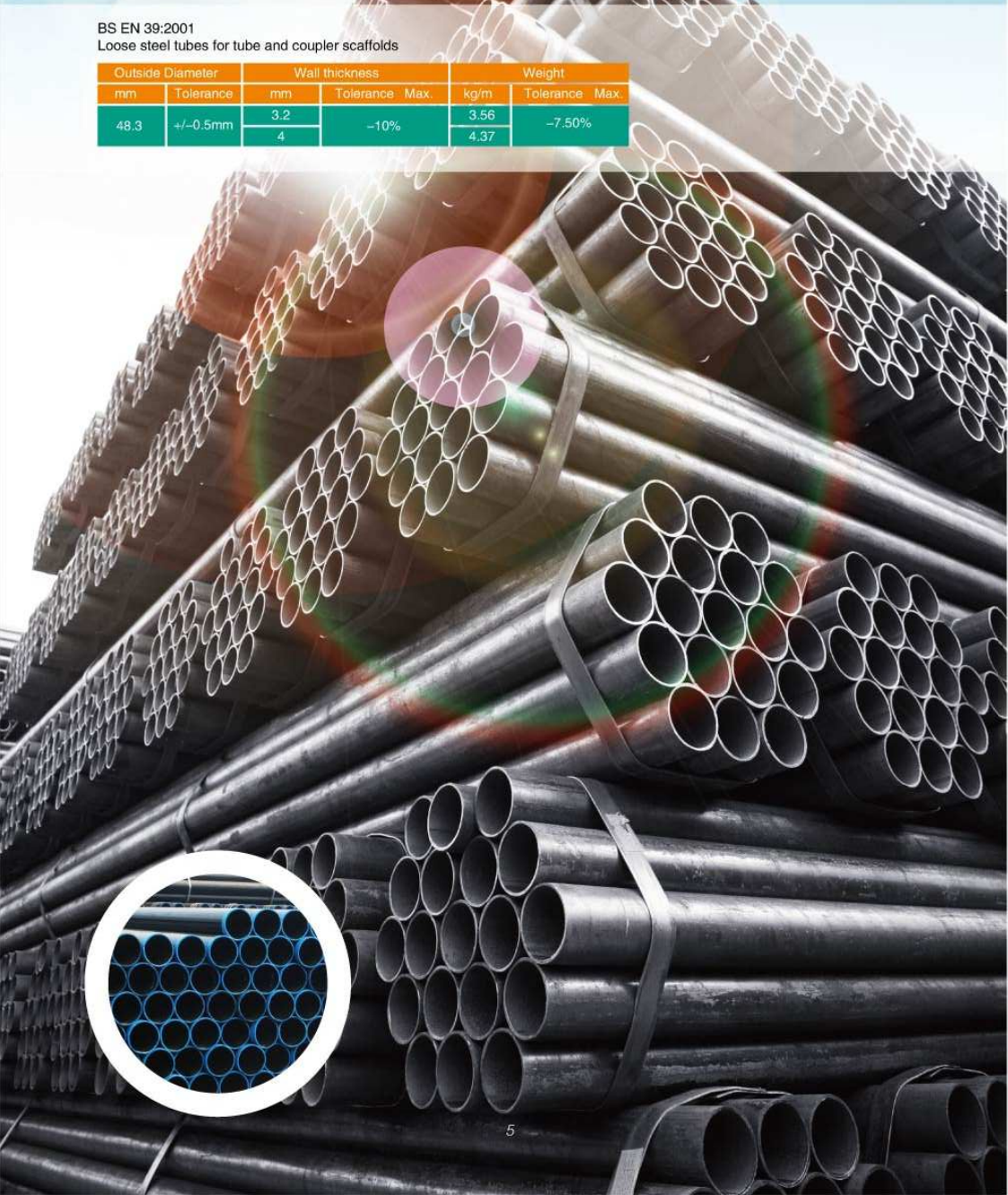
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Golden
World
Trading
Group

www.GoldenWTG.org

Outside Diameter		Wall thickness		Weight	
mm	Tolerance	mm	Tolerance Max.	kg/m	Tolerance Max.
48.3	+/-0.5mm	3.2	-10%	3.56	-7.50%
		4		4.37	



ASTM A53 /Grade A/B

Black and Hot-Dipped, Zinc-Coated, Welded Steel Pipe

NPS	DN	Outside Diameter (in.)(mm)	Wall Thickness (in.)(mm)	Unit Weight (lb/ft)(kg/m)	Weight Class	Schedule e No.	Test Pressure(kpaX100)	
							Grade A	Grade B
1/2"	15	0.840(21.3)	0.109(2.77)	0.86(1.27)	STD	40	48	48
			0.147(3.73)	1.09(1.62)	XS	80	59	59
3/4"	20	1.050(26.7)	0.113(2.87)	1.14(1.69)	STD	40	48	48
			0.154(3.91)	1.48(2.21)	XS	80	59	59
1"	25	1.315(33.4)	0.133(3.38)	1.69(2.50)	STD	40	48	48
			0.179(4.55)	2.19(3.25)	XS	80	59	59
1 1/4"	32	1.660(42.2)	0.140(3.56)	2.28(3.40)	STD	40	69	76
			0.191(4.85)	3.03(4.49)	XS	80	103	110
1 1/2"	40	1.900(48.3)	0.145(3.68)	2.74(4.04)	STD	40	69	76
			0.200(5.08)	3.65(5.39)	XS	80	103	110
2"	50	2.375(60.3)	0.154(3.91)	3.68(5.46)	STD	40	159	172
			0.218(5.54)	5.08(7.55)	XS	80	172	172
2 1/2"	65	2.87(73.0)	0.203(5.16)	5.85(8.67)	STD	40	172	172
			0.276(7.01)	7.75(11.52)	XS	80	172	172
3"	80	3.500(88.9)	0.216(5.49)	7.68(11.35)	STD	40	152	172
			0.300(7.62)	10.35(15.39)	XS	80	172	172
3 1/2"	90	4.000(101.6)	0.226(5.74)	9.27(13.71)	STD	40	138	165
			0.318(8.08)	12.67(18.82)	XS	80	193	193
4"	100	4.500(114.3)	0.237(6.02)	10.92(16.23)	STD	40	131	152
			0.337(8.56)	15.20(22.60)	XS	80	186	193
5"	125	5.563(141.3)	0.258(6.55)	14.90(22.07)	STD	40	117	131
			0.375(9.52)	21.04(31.42)	XS	80	165	193
6"	150	6.625(168.3)	0.280(7.11)	19.34(28.58)	STD	40	103	124
			0.432(10.97)	28.88(43.05)	XS	80	159	186
8"	200	8.625(219.1)	0.277(7.04)	25.53(38.07)	...	30	83	90
			0.322(8.18)	29.35(43.73)	STD	40	90	110
10"	250	10.75(273.0)	0.500(12.7)	44.00(65.41)	XS	80	145	165
			0.279(7.09)	32.33(48.8)	65	76
12"	300	12.75(323.8)	0.307(7.80)	35.33(53.27)	...	30	69	83
			0.365(9.27)	41.49(63.36)	STD	40	83	97
14"	350	14.000(355.6)	0.500(12.7)	55.55(83.17)	XS	60	117	138
			0.330(8.38)	45.47(67.72)	...	30	65	76
14"	350	14.000(355.6)	0.375(9.52)	51.28(76.21)	STD	...	76	83
			0.500(12.7)	66.91(99.4)	XS	...	97	110
14"	350	14.000(355.6)	0.250(6.35)	36.75(54.69)	...	10	44	52
			0.312(7.92)	45.65(67.9)	...	20	55	65
14"	350	14.000(355.6)	0.375(9.52)	54.62(81.25)	STD	30	66	77
			0.438(11.13)	63.5(94.55)	...	40	78	90

ISO 65-1981

Carbon steel tubes suitable for screwing

DN	Designation of thread	OD mm	Wall Thickness(mm) and weight per unit (kg/m)											
			Heavy series			Medium series			Light series I			Light series II		
			WT	Plain end	Screwed socketed	WT	Plain end	Screwed socketed	WT	Plain end	Screwed socketed	WT	Plain end	Screwed socketed
15	1/2"	21.3	3.2	1.44	1.45	2.6	1.21	1.22	2.3	1.08	1.09	2	0.947	0.956
20	3/4"	26.9	3.2	1.87	1.88	2.6	1.56	1.57	2.3	1.39	1.4	2.3	1.38	1.39
25	1"	33.7	4	2.93	2.95	3.2	2.41	2.43	2.9	2.2	2.22	2.6	1.98	2
32	1 1/4"	42.4	4	3.79	3.82	3.2	3.1	3.13	2.9	2.82	2.85	2.6	2.54	2.57
40	1 1/2"	48.3	4	4.37	4.41	3.2	3.56	3.6	2.9	3.24	3.28	2.9	3.23	3.27
50	2"	60.3	4.5	6.19	6.26	3.6	5.03	5.1	3.2	4.49	4.56	2.9	4.08	4.15
65	2 1/2"	76.1	4.5	7.93	8.05	3.6	6.42	6.54	3.2	5.73	5.85	3.2	5.71	5.83
80	3"	88.9	5	10.3	10.5	4	8.36	8.53	3.6	7.55	7.72	3.2	6.72	6.89
100	4"	114.3	5.4	14.5	14.8	4.5	12.2	12.5	4	10.8	11.1	3.6	9.75	10

JIS G444: 2004 STK400

Structural Carbon Steel Pipe

Outside diameter (mm)	Wall thickness (mm)	Unit weight (kg/m)	Outside diameter (mm)	Wall thickness (mm)	Unit weight (kg/m)
21.7	2	0.972	101.6	4	9.63
27.2	2	1.24		5	11.9
34	2.3	1.41	114.3	3.2	8.77
	2.3	1.8		3.5	9.56
42.7	2.3	2.29	139.8	4.5	12.2
	2.5	2.48		3.6	12.1
48.6	2.3	2.63	139.8	4	13.4
	2.5	2.84		4.5	15
	2.8	3.16		6	19.8
	3.2	3.58		4.5	17.8
60.5	2.3	3.3	165.2	5	19.8
	3.2	4.52		6	23.6
	4	5.57		7.1	27.7
76.3	2.8	5.08	190.7	4.5	20.7
	3.2	5.77		5.3	24.2
	4	7.13		6	27.3
89.1	2.8	5.96	190.7	7	31.7
	3.2	6.78		8.2	36.9
101.6	3.2	7.76			

API 5L-2004

Line Pipe

Nominal Size in.	Outside Diameter, mm	Wall Thickness mm	Unit weight (kg/m)	Minimum Hydrostatic Test Pressure. (Kpa x100)						
				Steel Grade						
				A	B	X42	X46	X52	X56	X60
4 1/2"	114.3	5.2	13.99	113	132	158	173	196	207	207
		6	16.02	130	152	183	200	207	207	207
		6.4	17.03	139	162	195	207	207	207	207
		7.1	18.77	154	180	207	207	207	207	207
		7.9	20.73	172	193	207	207	207	207	207
		8.6	22.42	187	193	207	207	207	207	207
5 9/16	141.3	5.6	18.74	98	115	138	151	171	184	197
		6.6	21.94	116	135	163	178	201	207	207
		7.1	23.5	125	145	175	191	207	207	207
		7.9	25.99	139	162	195	207	207	207	207
		8.7	28.45	153	178	207	207	207	207	207
		9.5	30.88	167	193	207	207	207	207	207
6 5/8	168.3	5.6	22.47	83	96	145	158	179	193	207
		6.4	25.55	94	110	165	181	205	207	207
		7.1	28.22	105	122	184	201	207	207	207
		7.9	31.25	117	136	204	207	207	207	207
		8.7	34.24	128	149	207	207	207	207	207
		9.5	37.20	140	163	207	207	207	207	207
8 5/8	219.1	5.2	27.43	59	69	103	113	128	137	147
		6.4	33.57	73	84	127	139	157	169	181
		7.0	36.67	79	92	139	152	172	185	198
		7.9	41.14	90	104	157	171	194	207	207
		8.7	45.14	99	115	173	189	207	207	207
		9.5	49.10	108	125	189	206	207	207	207
10 3/4	273.1	6.4	42.09	58	68	116	126	143	154	165
		7.1	46.57	65	75	128	140	159	171	183
		7.8	51.03	71	83	141	154	174	187	201
		8.7	56.72	79	92	157	172	194	207	207
		9.3	60.50	85	98	168	184	207	207	207
		10.3	66.75	94	109	186	204	207	207	207
12 3/4	323.9	6.4	50.11	49	57	97	106	121	130	139
		7.1	55.47	54	63	108	118	134	144	154
		7.9	61.56	61	71	120	131	149	160	172
		8.4	65.35	64	75	128	140	158	170	183
		9.5	73.65	73	85	145	158	179	192	206
		10.3	79.65	79	92	157	171	194	207	207
13 3/8	339.7	11.1	85.62	85	99	169	185	207	207	207
		7.0	57.43	51	59	102	111	125	135	145
		8.0	65.44	59	68	116	126	144	155	166
		9.0	73.40	66	77	130	143	161	174	187
		9.5	77.36	70	81	138	151	171	184	196
		10.3	83.67	75	87	150	163	185	199	207
14	355.6	12.0	96.97	88	106	174	191	207	207	207
		12.7	102.41	93	112	185	202	207	207	207
		7.1	61.02	50	58	98	108	122	131	141
		8.7	74.42	61	71	121	132	149	161	172
		10.3	87.71	72	84	143	156	177	190	204
		11.1	94.3	78	90	154	168	191	205	207
16	406.4	12.7	107.39	89	103	176	192	207	207	207
		7.9	77.63	48	56	96	105	119	128	137
		8.7	85.32	53	62	106	115	131	141	151
		9.5	92.98	58	68	115	126	143	153	165
		10.3	100.61	63	74	125	137	155	166	178
		11.1	108.2	68	79	134	147	167	180	192
18	457.0	11.9	115.77	73	85	144	158	179	192	206
		12.7	123.3	78	90	154	168	191	205	207
		9.5	104.84	52	60	102	112	127	136	146
		10.3	113.46	56	65	111	121	138	148	159
		11.1	122.05	60	70	120	131	148	159	171
		11.9	130.62	65	75	128	140	159	171	183
18	457.0	12.7	139.15	69	80	137	150	170	182	196
		14.3	156.11	78	90	154	169	191	205	207
		15.9	172.95	86	101	172	187	207	207	207



API 5CT

Casing

Size				Theory Weight				J-55 & K-55		Type of Thread		
Outside Diameter		Wall Thickness		Plain ends		Threads and Couplings		J-55	K-55	short	Long	Butt-weld
in.	mm	in.	mm	lb/ft	kg/m	lb/ft	kg/m	Std.	Alt.			
4 1/2	114.30	0.205	5.21	9.40	13.99	9.50	14.14	3,000	4,000	X		X
		0.224	5.69	10.23	15.22	10.50	15.63	3,000	4,000	X		X
		0.250	6.35	11.35	16.89	11.60	17.26	3,000	4,900	X	X	X
5	127.00	0.220	5.59	11.23	16.71	11.50	17.11	3,000	3,900	X		X
		0.253	6.43	12.93	19.09	13.00	19.35	3,000	4,500	X	X	X
		0.296	7.52	14.87	22.13	15.00	22.32	3,000	5,200	X	X	X
5 1/2	139.70	0.244	6.20	13.70	20.39	14.00	20.83	3,000	3,900	X		X
		0.275	6.98	15.35	22.84	15.50	23.07	3,000	4,400	X	X	X
		0.304	7.72	16.87	25.11	17.00	25.30	3,000	4,900	X	X	X
6 5/8	168.30	0.288	7.32	19.49	29.01	20.00	29.76	-	-	X		X
		0.288	7.32	19.49	29.01	20.00	29.76	3,000	3,800	X	X	X
		0.352	8.94	23.58	35.09	24.00	35.72	3,000	4,700	X	X	X
7	177.80	0.231	5.87	16.70	24.85	17.00	25.30	-	-	X		X
		0.272	6.91	19.54	29.08	20.00	29.76	3,000	3,400	X		X
		0.317	8.05	22.63	33.68	23.00	34.23	3,000	4,000	X	X	X
		0.362	9.19	25.66	38.19	26.00	38.69	3,000	4,600	X	X	X
7 5/8	193.70	0.300	7.62	23.47	34.95	24.00	35.72	-	-	X		X
		0.328	8.33	25.56	38.04	26.40	39.29	3,000	3,900	X	X	X
		0.264	6.71	23.57	35.08	24.00	35.72	2,700	-	X		X
8 5/8	219.10	0.304	7.72	27.02	40.21	28.00	41.67	-	-	X		X
		0.352	8.94	31.10	46.28	32.00	47.62	-	-	X		X
		0.352	8.94	31.10	46.28	32.00	47.62	3,000	3,600	X	X	X
		0.400	10.16	35.14	52.30	36.00	53.58	3,000	4,100	X	X	X
9 5/8	244.50	0.312	7.92	31.03	46.18	32.30	48.07	-	-	X		X
		0.352	8.94	34.86	51.88	36.00	53.58	-	-	X		X
		0.352	8.94	34.86	51.88	36.00	53.58	3,000	3,200	X	X	X
		0.395	10.03	38.94	57.95	40.00	59.53	3,000	3,600	X	X	X
10 3/4	273.00	0.279	7.09	31.20	46.43	32.75	48.74	-	-	X		X
		0.350	8.89	38.88	57.86	40.50	60.27	-	-	X		X
		0.350	8.89	38.88	57.86	40.50	60.27	2,100	2,900	X		X
		0.400	10.16	44.22	65.81	45.50	67.71	2,500	3,300	X		X
11 3/4	298.40	0.450	11.43	49.50	73.67	51.00	75.90	2,800	3,700	X		X
		0.333	8.46	40.60	60.42	42.00	62.50	-	-	X		X
		0.375	9.52	45.56	67.80	47.00	69.95	2,100	2,800	X		X
		0.435	11.05	52.57	78.23	54.00	80.36	2,400	3,300	X		X
13 3/8	339.70	0.489	12.42	58.81	87.52	60.00	89.29	2,700	3,700	X		X
		0.330	8.38	45.98	68.43	48.00	71.43	-	-	X		X
		0.380	9.65	52.74	78.49	54.50	81.11	1,900	2,500	X		X
		0.430	10.92	59.45	88.47	61.00	90.78	2,100	2,800	X		X
16	406.40	0.480	12.19	66.10	98.38	68.00	101.20	2,400	3,200	X		X
		0.375	9.52	62.58	93.13	65.00	96.73	-	-	X		X
		0.438	11.13	72.72	108.22	75.00	111.62	1,800	-	X		X
		0.495	12.57	81.97	121.99	84.00	125.01	2,000	-	X		X
18 5/8	473.10	0.435	11.05	84.51	125.77	87.50	130.22	-	-	X		X
		0.435	11.05	84.51	125.77	87.50	130.22	1,500	-	X		X
		0.438	11.13	91.51	136.19	94.00	139.89	-	-	X		X
20	508.00	0.438	11.13	91.51	136.19	94.00	139.89	1,400	-	X	X	X
		0.438	11.13	91.51	136.19	94.00	139.89	-	-	X	X	X
		0.500	12.70	104.13	154.97	106.50	158.49	1,600	-	X	X	X

Galvanized steel pipe with plastic inner-lined pipe

Usage: high-level drinking water convey

Manufacture Procedures:



Product standard: JWWA K116

DN	Outside Diameter		Wall thickness mm	Inner plastic		Length m
	mm	Tolerance		mm	Tolerance	
15	21.7	+/-0.5	2.8	1.5	+/-0.2	4/6
20	27.2		2.8	1.5		4/6
25	34		3.2	1.5		4/6
32	42.7		3.5	1.5		4/6
40	48.6		3.5	1.5		4/6
50	60.5	3.8	1.5	4/6		
65	76.3	+/-0.7	4.2	1.5		4/6
80	89.1	+/-0.8	4.2	2.0		4/6
100	114.3		4.5	2.0		4/6
125	139.8		4.5	2.0		4/6
150	165.2		5.0	2.5	4/6	
200	219		5.0	2.5	4/6	



Square hollow sections

BS EN 10219-2:2006

Cold formed welded structural hollow sections of non-alloy and fine grain steels

Size table, weight/meter(kg/m) as per EN 10219-2:2006

Dimensions	Wall thickness mm										
	2	2.5	3	4	5	6	6.3	8	10	12	12.5
20	1.05										
25	1.36	1.64	1.89								
30	1.68	2.03	2.36								
40	2.31	2.82	3.30	4.20							
50	2.93	3.60	4.25	5.45	6.56						
60	3.56	4.39	5.19	6.71	8.13	9.45	9.55				
80			7.07	9.22	11.3	13.2	13.5	16.4			
100			8.96	11.7	14.4	17.0	17.5	21.4	25.6		
120			10.8	14.2	17.5	20.7	21.4	26.4	31.8	35.8	
140				16.8	20.7	24.5	25.4	31.4	38.1	43.4	
150				18.0	22.3	26.4	27.4	33.9	41.3	47.1	48.7
160				19.3	23.8	28.3	29.3	36.5	44.4	50.9	52.6
180				21.8	27.0	32.1	33.3	41.5	50.7	58.5	60.5
200				24.3	30.1	35.8	37.2	46.5	57.0	66.0	68.3
250					38.0	45.2	47.1	59.1	72.7	84.8	88.0
300						54.7	57.0	71.6	88.4	104.0	108.0
350								84.2	104	123.0	127.0
400									120	141.0	147.0

Rectangular hollow sections

BS EN 10219-2:2006

Cold formed welded structural hollow sections of non-alloy and fine grain steels

Size table, weight/meter(kg/m) as per EN 10219-2:2006

Dimensions		Wall thickness mm																				
		2	2.5	3	4	5	6	6.3	8	10	12	12.5										
B	H																					
40	20	1.68	2.03	2.36																		
50	30	2.31	2.82	3.30	4.20																	
60	40	2.93	3.60	4.25	5.45	6.56																
70	50	3.56	4.39	5.19	6.71	8.13																
80	40	3.56	4.39	5.19	6.71	8.13																
80	60	4.19	5.17	6.13	7.97	9.70																
100	40		5.17	6.13	7.97	9.70																
100	50		5.56	6.60	8.59	10.50	12.3	12.5														
100	60		5.96	7.07	9.22	11.30	13.2	13.5														
100	80		6.74	8.01	10.5	12.80	15.1	15.5														
120	60		6.74	8.01	10.5	12.80	15.1	15.5	18.9													
120	80			8.96	11.7	14.40	17.0	17.5	21.4													
140	80				13.0	16.00	18.9	19.4	23.9													
150	100				14.9	18.30	21.7	22.4	27.7	33.4	37.7											
160	80				14.2	17.50	20.7	21.4	26.4	31.8	35.8											
180	100				16.8	20.70	24.5	25.4	31.4	38.1	43.4											
200	100				18.0	22.30	26.4	27.4	33.9	41.3	47.1											
250	150					30.10	35.8	37.2	46.5	57.0	66.0	68.3										
300	100						35.8	37.2	46.5	57.0	66.0	68.3										
300	150						40.5	42.2	52.8	64.8	75.4	78.1										
300	200						45.2	47.1	59.1	72.7	84.8	88.0										
400	200								71.6			108.0										
400	300									84.2	104.0	123.0	127.0									





SSAW- Spiral Submerged Arc Welded Pipe

Usage: delivery for gas, petroleum and low pressure liquid; piles; construction.

Standards and Material: API 5L-Line Pipe PSL 1, PSL 2: Grade A, B X42, X46, X52, X56, X60, X65

ASTM A252- Welded Steel Pipe Piles Grade 1,2,3.

OD mm	Wall thickness mm								
	6	7	8	9	10	11	12	13	14
219.1									
273.1									
323.9									
355.6									
406.4									
426									
478									
529									
630									
720									
820									
920									
1020									
1120									
1220									
1420									
1620									
1820									