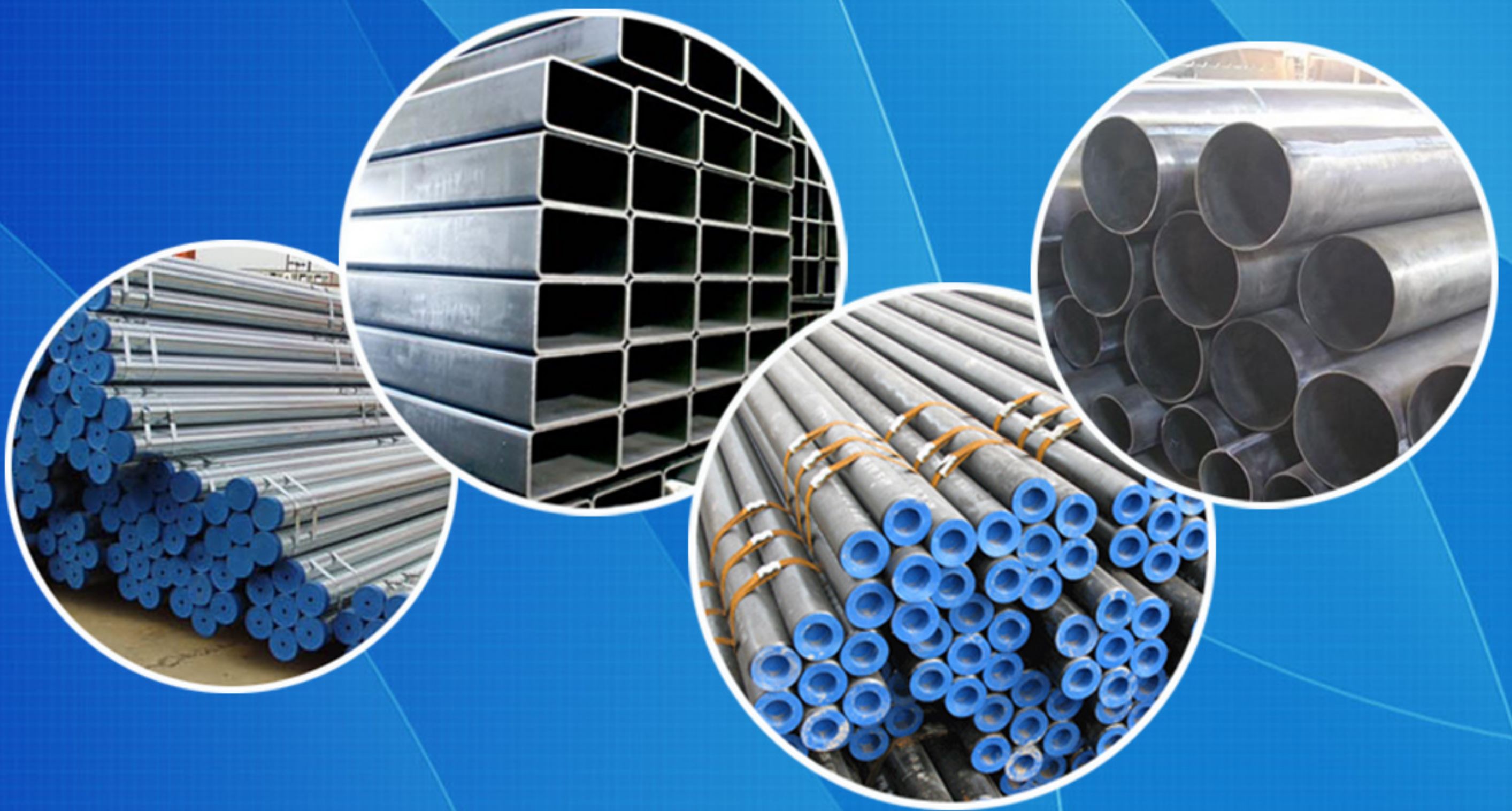


WELDED STEEL PIPE



- ※ERW STEEL PIPE
- ※HOT-DIP GALVANIZED STEEL PIPE
- ※PRE-GALVANIZED STEEL PIPE
- ※SQUARE / RECTANGULAR STEEL PIPE
- ※SCAFFOLDING GI PIPE



WELDED STEEL PIPE



BS1387-1985

Screwed and socketed steel tubes and tubulars and for plain end steel tubes suitable for welding or for screwing to BS 21 pipe threads

Nominal Size		Wall Thickness(mm)			Outside Diameter						Weight(Black pipe) Plain End kg/m		
					Max.			Min.					
mm	in	A	B	C	A	B	C	A	B	C	A	B	C
15	1/2"	2.0	2.6	3.2	21.4	21.7	21.7	21.0	21.1	21.1	0.947	1.21	1.44
20	3/4"	2.3	2.6	3.2	26.9	27.2	27.2	26.4	26.6	26.6	1.38	1.56	1.87
25	1"	2.6	3.2	4.0	33.8	34.2	34.2	33.2	33.4	33.4	1.98	2.41	2.94
32	1 1/4"	2.6	3.2	4.0	42.5	42.9	42.9	41.9	42.1	42.1	2.54	3.1	3.8
40	1 1/2"	2.9	3.2	4.0	48.4	48.8	48.8	47.8	48.0	48.0	3.23	3.57	4.38
50	2"	2.9	3.6	4.5	60.2	60.8	60.8	59.6	59.8	59.8	4.08	5.03	6.19
65	2 1/2"	3.2	3.6	4.5	76.0	76.6	76.6	75.2	75.4	75.4	5.71	6.43	7.93
80	3"	3.2	4.0	5.0	88.7	89.5	89.5	87.9	88.1	88.1	6.72	8.37	10.3
100	4"	3.6	4.5	5.4	113.9	114.9	114.9	113.0	113.3	113.3	9.75	12.1	14.5
125	5"	-	5.0	5.4	-	140.6	140.6	-	138.7	138.7	-	16.6	17.9
150	6"	-	5.0	5.4	-	166.1	166.1	-	164.1	164.1	-	19.7	21.3



WELDED STEEL PIPE



EN 39:2001/BS1139

Lopse steel tubes for tube and coupler scaffolds

Outer Diameter		Wall thickness		Weight	
mm	Tolerance	mm	Tolerance Max.	kg/m	Tolerance Max.
48.3	+/-0.3mm	3.2	+/-10%	3.56	+/-7.50%
		4		4.37	

BS EN 10219:2006

Cold formed welded structural hollow sections of non-alloy and fine grain steels Size table, weight/meter(kg) as per EN 10219:2006

OD mm	Thickness mm										
	2.0	3.0	4.0	5.0	6.0	6.3	8.0	10.0	12.0	12.5	16.0
21.3	0.95	1.35									
26.9	1.23	1.77									
33.7	1.56	2.27									
42.4	1.99	2.91	3.79								
48.3	2.28	3.35	4.37	5.34							
60.3	2.88	4.24	5.55	6.82							
76.1	3.65	5.41	7.11	8.77	10.4	10.8					
88.9	4.29	6.36	8.38	10.3	12.3	12.8					
101.6	4.91	7.29	9.63	11.9	14.1	14.8					
114.3		8.23	10.9	13.5	16	16.8	21				
139.7		10.1	13.4	16.6	19.8	20.7	26	32			
168.3		12.2	16.2	20.1	24	25.2	31.6	39			
177.8			17.1	21.3	25.4	26.6	33.5	41.4	49.1	51	
193.7			18.7	23.3	27.8	29.1	36.6	45.3	53.8	55.9	
219.1			21.2	26.4	31.5	33.1	41.6	51.6	61.3	63.7	
244.5				29.5	35.3	37	46.7	57.8	68.8	71.5	
273				33	39.5	41.4	52.3	64.9	77.2	80.3	
323.9				39.3	47	49.3	62.3	77.4	92.3	96	
355.6				43.2	51.7	54.3	68.6	85.2	102	106	134
406.4					59.2	62.2	78.6	97.8	117	121	154
457.0					66.7	70	88.6	110	132	137	174
508.0					74.3	77.9	98.6	123	147	153	194
610.0					89.4	93.8	119	148	177	184	234



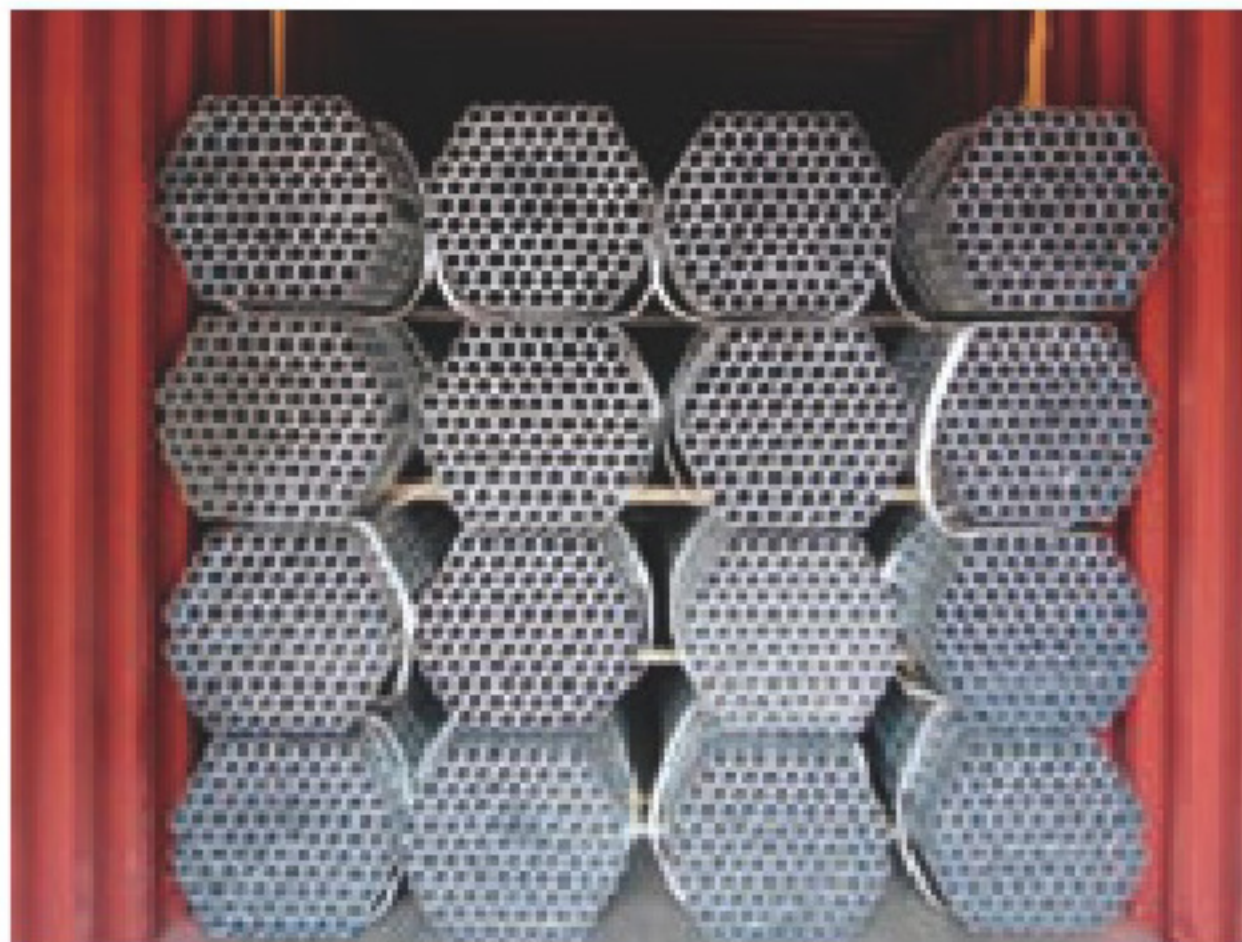
WELDED STEEL PIPE

JIS G3444:2004

STK400/500 Structural Carbon Steel Pipe

Outer Size	Thickness	Unit Weight	Seet Area	Moment of Inertia	Radius of GYP	Elastic Modulus	Plastic Modulus	Torsional Constants		Superti Area	Approx Length
mm	mm	kg/m	cm ⁴	cm	cm ³	cm ³	cm ³	cm ⁴	cm ³	cm ²	m
21.70	1.600	0.79	1.01	0.51	0.71	0.47	0.65	1.03	0.95	0.068	1260.69
21.70	1.900	0.93	1.18	0.58	0.70	0.54	0.75	1.17	1.08	0.068	1077.72
27.20	1.600	1.01	1.29	1.06	0.91	0.78	1.05	2.12	1.56	0.085	989.84
27.20	1.900	1.19	1.51	1.22	0.90	0.89	1.22	2.43	1.79	0.085	843.43
34.00	1.900	1.50	1.92	2.48	1.14	1.46	1.96	4.95	2.91	0.107	664.76
36.20	1.600	1.37	1.74	2.61	1.22	1.44	1.92	5.22	2.88	0.114	732.37
36.20	1.900	1.61	2.05	3.02	1.21	1.67	2.24	6.04	3.34	0.114	622.12
38.00	2.600	2.27	2.89	4.55	1.25	2.40	3.26	9.11	4.79	0.119	440.50
42.70	2.400	2.39	3.04	6.19	1.43	2.90	3.90	12.38	5.80	0.134	419.19
48.60	2.400	2.73	3.48	9.32	1.64	3.84	5.13	18.64	7.67	0.153	365.65
48.60	4.000	4.40	5.61	14.05	1.58	5.78	7.98	28.10	11.56	0.153	227.26
60.50	2.800	3.98	5.08	21.17	2.04	7.00	9.33	42.35	14.00	0.190	250.95

Note: Other dimensions are available. Thickness/Length tolerance: $\pm 10\%$





WELDED STEEL PIPE



ASTM A53/Grade A/B

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

NPS	DN	Outside Diameter	Wall Thickness	Unit Weight	Weight Class	Schedule No.	Test Pressure(kpax100)	
		(in.)(mm)	(in.)(mm)	(lb/ft)(kg/m)			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)	30.3(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
			0.500(12.7)	44.00(65.41)	XS	80	145	165
10"	250	10.75(273.0)	0.279(7.09)	32.33(48.8)	65	76
			0.307(7.80)	35.33(53.27)	...	30	69	83
			0.365(9.27)	41.49(63.36)	STD	40	83	97
			0.500(12.7)	55.55(83.17)	XS	60	117	138
12"	300	12.75(323.8)	0.330(8.38)	45.47(67.72)	...	30	65	76
			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
			0.375(9.52)	54.62(81.25)	STD	30	66	77
			0.438(11.13)	63.5(94.55)	...	40	78	90



WELDED STEEL PIPE



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										
B	H	2	2.5	3	4	5	6	6.3	8	10	12	12.5
40	20	1.68	2.03	2.36								
50	30	2.31	2.82	2.30	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	64.8	88.0
400	200								71.6			108.0
400	300								84.2	104.0	123.0	127.0



WELDED STEEL PIPE



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	



WELDED STEEL PIPE

API 5L-2004

Line Pipe

Normal Size	Outside Diameter	Wall Thickness	Unit Weight	Minimum Hydrostatic Test Pressure. (Kpa x 100)							
				Steel Grade							
in.	mm	(mm)	(kg/m)	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	
Dimensions	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	
		12.0	96.97	88	106	174	191	207	207	207	
		12.7	102.41	93	112	185	202	207	207	207	
14	355.6	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	
		12.7	107.39	89	103	176	192	207	207	207	
16	406.4	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	
		11.9	115.77	73	85	144	158	179	192	206	
		12.7	123.3	78	90	154	168	191	205	207	
18	457.0	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	
		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	



WELDED STEEL PIPE



API 5CT

Casting

Size				Theory Weight						Type of Thread		
Outside Diameter		Wall Thickness		Plain ends		Threads and Couplings		J-55&K-55		Short	Long	Buttress
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		
		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		
		0.253	6.43	12.83	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		
		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		
		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		
		0.272	6.91	19.54	29.08	20.00	29.76	3,000	3,400	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	25.00	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		
		0.328	8.33	25.56	38.04	26.40	39.29	3,000	3,900	X	X	X
8 5/8	219.10	0.264	6.71	23.57	35.08	24.00	35.72	2,700	-	X		
		0.304	7.72	27.02	40.21	28.00	41.67	-	-	X		
		0.352	8.94	31.10	46.28	32.00	47.62	-	-	X		
		0.352	8.94	31.10	46.28	32.00	47.62	3,000	3,600	X	X	X
9 5/8	244.50	0.400	10.16	35.14	52.30	36.00	53.58	3,000	4,100	X		
		0.312	7.92	31.03	46.18	32.30	48.07	-	-	X		
		0.352	8.94	34.86	51.88	36.00	53.58	-	-	X		
		0.352	8.94	34.86	51.88	36.00	53.58	3,000	3,200	X	X	X
10 3/4	273.00	0.395	10.03	38.94	57.95	40.00	59.53	3,000	3,600	X	X	X
		0.279	7.09	31.20	46.43	32.75	48.74	-	-	X		
		0.350	8.89	38.88	57.86	40.50	60.27	-	-	X		
		0.350	8.89	38.88	57.86	40.50	60.27	2,100	2,900	X		X
11 3/4	298.40	0.400	10.16	44.22	65.81	45.50	67.71	2,500	3,300	X		X
		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		
		0.375	9.52	45.56	67.80	47.00	69.95	2,100	2,800	X		X
13 3/8	339.70	0.435	11.05	52.57	78.23	54.00	80.36	2,400	3,300	X		X
		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		
		0.380	9.65	52.74	78.49	54.50	81.11	1,900	2,500	X		X
16	406.40	0.430	10.92	59.45	88.47	61.00	90.78	2,100	2,800	X		X
		0.480	12.19	66.10	98.38	68.00	101.20	2,400	3,200	X		X
		0.480	12.19	66.10	98.38	68.00	101.20	-	-	X		
		0.375	9.52	62.58	93.13	65.00	96.73	-	-	X		
18 5/8	473.10	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
20	508.00	0.435	11.05	84.51	125.77	87.50	130.22	-	-	X		
		0.435	11.05	84.51	125.77	87.50	130.22	1,500	-	X		X
20	508.00	0.438	11.13	91.51	136.19	94.00	139.89	-	-	X	X	X
		0.438	11.13	91.51	136.19	94.00	139.89	1,400	-	X	X	X
		0.500	12.70	104.13	154.97	106.50	158.49	1,600	-	X	X	X