



STEEL PIPES



SEAMLESS STEEL PIPE

ASME B36.10M-1996/API SPEC 5L-2000

NOMINAL DIAMETER		OUTSIDE DIAMETER		SCHEDULE 40				SCHEDULE 80			
				WALL THICKNESS		NOMINAL WEIGHT		WALL THICKNESS		NOMINAL WEIGHT	
INCH	MM	INCH	MM	INCH	MM	LB/FT	KG/M	INCH	MM	LB/FT	KG/M
1/8	6	0.405	10.3	0.068	1.73	0.24	0.37	0.095	2.41	0.31	0.47
1/4	8	0.540	13.7	0.088	2.24	0.42	0.63	0.119	3.02	0.54	0.80
3/8	10	0.675	17.1	0.091	2.31	0.57	0.84	0.126	3.20	0.74	1.10
1/2	15	0.840	21.3	0.109	2.77	0.85	1.27	0.147	3.73	1.09	1.62
3/4	20	1.050	26.7	0.113	2.87	1.13	1.69	0.154	3.91	1.47	2.20
1	25	1.315	33.4	0.133	3.38	1.68	2.50	0.179	4.55	2.17	3.24
1 1/4	32	1.660	42.4	0.140	3.56	2.27	3.39	0.191	4.85	3.00	4.47
1 1/2	40	1.900	48.3	0.145	3.68	2.72	4.05	0.200	5.08	3.63	5.41
2	50	2.375	60.3	0.154	3.91	3.65	5.44	0.218	5.54	5.02	7.48
2 1/2	65	2.875	73.0	0.203	5.16	5.79	8.63	0.276	7.01	7.66	11.41
3	80	3.500	88.9	0.216	5.49	7.58	11.29	0.300	7.62	10.25	15.27
3 1/2	90	4.000	101.6	0.226	5.74	9.11	13.57	0.318	8.08	12.50	18.63
4	100	4.500	114.3	0.237	6.02	10.79	16.07	0.337	8.56	14.98	22.32
5	125	5.563	141.3	0.258	6.55	14.62	21.77	0.375	9.53	20.78	30.97
6	150	6.625	168.3	0.280	7.11	18.97	28.26	0.432	10.97	28.57	42.56
8	200	8.625	219.1	0.322	8.18	28.55	42.55	0.500	12.70	43.39	64.64
10	250	10.750	273.0	0.365	9.27	40.48	60.29	0.594	15.09	64.44	95.98
12	300	12.750	323.8	0.406	10.31	53.51	79.71	0.688	17.48	88.65	132.05
14	350	14.000	355.6	0.438	11.13	63.48	94.55	0.750	19.05	106.15	158.11
16	400	16.000	406.4	0.500	12.70	82.78	123.31	0.844	21.44	136.65	203.54
18	450	18.000	457.00	0.562	14.27	104.60	155.81	0.938	23.83	170.91	254.57
20	500	20.000	508.00	0.594	15.09	123.15	183.43	1.031	26.19	208.92	311.19
24	600	24.000	610.00	0.688	17.48	171.49	255.43	1.219	30.96	296.82	442.11

MATERIAL: ASTM A106

WALL THICKNESS: -12.5%
+15%

PETROLEUM CASING

API SPEC 5CT

SIZE		OUTSIDE DIA.	THEORETIC WEIGHT OF PIPE & COUPLING	WALL THICKNESS	INSIDE DIA.	MIN. DIA.	PLAIN PIPE WEIGHT	CALCULATED WEIGHT					
								MORE OR LESS WEIGHT AFTER MACHINING AT BOTH END					
								KG					
								ROUND THR.		BTC		XC	
1	2	D mm	kg/m	t mm	d mm	mm	kg/m	STC	LTC	STD	SPECIAL	STD	CHOICE
1	2	3	4	5	6	7	8	9	10	11	12	13	14
4 1/2	10.50	114.30	15.63	5.69	102.92	99.74	15.24	1.72	—	2.27	1.16	—	—
4 1/2	11.60	114.30	17.26	6.35	101.60	98.42	16.91	1.54	1.72	2.09	0.98	—	—
4 1/2	13.50	114.30	20.09	7.37	99.56	96.38	19.44	—	1.45	1.81	0.71	—	—
4 1/2	15.10	114.30	22.47	8.56	97.18	94.00	22.32	—	1.27	1.45	0.34	—	—
5	13.00	127.00	19.35	6.43	114.14	110.96	19.12	2.18	2.63	2.99	1.10	—	—
5	15.00	127.00	22.32	7.52	111.96	108.78	22.16	1.91	2.30	2.63	0.73	2.09	—
5	18.00	127.00	26.79	9.19	108.62	105.44	26.70	—	1.91	2.00	0.10	0.64	—
5	21.40	127.00	31.65	11.10	104.80	101.62	31.73	—	1.34	1.12	-0.78	—	—
5	23.20	127.00	34.53	12.14	102.72	99.54	34.30	—	1.04	0.93	-0.95	—	—
5	24.10	127.00	35.66	12.70	101.60	98.42	35.80	—	0.88	0.56	-1.36	—	—
5 1/2	14.00	139.70	20.83	6.20	127.30	124.12	20.41	2.45	—	—	—	—	—
5 1/2	15.50	139.70	23.07	6.98	125.74	122.56	22.85	2.18	2.63	2.90	0.95	2.63	1.91
5 1/2	17.00	139.70	25.30	7.72	124.26	121.08	25.13	2.00	2.45	2.63	0.68	2.18	1.45
5 1/2	20.00	139.70	29.76	9.17	121.36	118.18	29.52	—	2.00	2.09	0.14	0.64	-0.09
5 1/2	23.00	139.70	34.23	10.54	118.62	115.44	33.57	—	1.45	1.54	-0.41	0.00	-0.73
5 1/2	26.80	139.70	39.88	12.70	114.30	111.12	39.78	—	—	—	—	—	—
6 5/8	20.00	168.28	29.76	7.32	153.64	150.46	29.06	4.99	6.17	6.53	1.08	—	—
6 5/8	24.00	168.28	35.72	8.94	150.40	147.22	35.13	4.35	5.44	5.72	0.26	1.54	0.82
6 5/8	28.00	168.28	41.67	10.59	147.10	143.92	41.18	—	4.63	4.81	-0.64	0.09	-0.64
6 5/8	32.00	168.28	47.62	12.06	144.16	140.98	46.46	—	3.99	4.08	-1.37	-0.64	-1.36
7	23.00	177.80	34.23	8.05	161.70	158.75	33.70	3.63	4.72	4.99	0.73	2.72	1.91
7	23.00	177.80	34.23	8.05	161.70	158.52	33.70	3.63	4.72	4.99	0.73	2.72	1.91
7	26.00	177.80	38.69	9.19	159.42	156.24	38.21	3.27	4.26	4.35	0.09	1.27	0.45
7	29.00	177.80	43.16	10.36	157.08	153.90	42.78	—	3.63	3.72	-0.54	0.27	-0.54
7	32.00	177.80	47.62	11.51	154.78	152.40	47.20	—	2.99	3.08	-1.18	-0.27	-1.09
7	32.00	177.80	47.62	11.51	154.78	151.60	47.20	—	2.99	3.08	-1.18	-0.27	-1.09
7	35.00	177.80	52.09	12.65	152.50	149.32	51.52	—	2.54	2.54	-1.72	0.45	-0.82
7	38.00	177.80	56.55	13.72	150.36	147.18	55.52	—	2.00	1.91	-2.36	-0.09	-1.36
7 5/8	24.00	193.68	35.72	7.62	178.44	175.26	34.96	7.17	—	—	—	—	—
7 5/8	26.40	193.68	39.29	8.33	177.02	173.84	38.08	6.89	8.62	9.34	2.82	2.90	1.11
7 5/8	29.70	193.68	44.20	9.52	174.64	171.46	43.24	—	7.89	8.53	2.00	1.18	0.09
7 5/8	33.70	193.68	50.15	10.92	171.84	168.66	49.22	—	7.17	7.71	1.18	0.00	-1.09
7 5/8	39.00	193.68	58.04	12.70	168.28	165.10	56.68	—	6.17	6.62	0.10	-1.00	-2.09
7 5/8	42.80	193.68	63.69	14.27	165.14	161.96	63.14	—	5.45	5.17	-1.37	—	—
7 5/8	45.30	193.68	67.41	15.11	163.46	160.28	66.54	—	5.01	5.01	-1.52	—	—
7 5/8	47.10	193.68	70.09	15.88	161.92	158.74	69.63	—	4.61	4.19	-2.35	—	—

PETROLEUM CASING

API SPEC 5CT

SIZE		OUTSIDE DIA.	THEORETIC WEIGHT OF PIPE & COUPLING	WALL THICKNESS	INSIDE DIA.	MIN. DIA.	PLAIN PIPE WEIGHT	CALCULATED WEIGHT					
								MORE OR LESS WEIGHT AFTER MACHINING AT BOTH END					
								KG					
								ROUND THR.		BTC		XC	
1	2	D mm	kg/m	t mm	d mm	mm	kg/m	STC	LTC	STD	SPECIAL	STD	CHOICE
1	2	3	4	5	6	7	8	9	10	11	12	13	14
8 5/8	24.00	219.08	35.72	6.71	205.66	202.48	35.14	10.70	—	—	—	—	—
8 5/8	28.00	219.08	41.67	7.72	203.64	200.46	40.24	10.07	—	—	—	—	—
8 5/8	32.00	219.08	47.62	8.94	201.20	200.02	46.33	9.43	12.52	12.79	2.74	5.99	3.99
8 5/8	32.00	219.08	47.62	8.94	201.20	198.02	46.33	9.43	12.52	12.79	2.74	5.99	3.99
8 5/8	36.00	219.08	53.57	10.16	198.76	195.58	52.35	8.80	11.61	11.88	1.83	3.45	1.91
8 5/8	40.00	219.08	59.53	11.43	196.22	193.68	58.53	—	10.80	10.98	0.92	1.81	0.27
8 5/8	40.00	219.08	59.53	11.43	196.22	193.04	58.53	—	10.80	10.98	0.92	1.81	0.27
8 5/8	44.00	219.08	65.48	12.70	193.68	190.50	64.64	—	9.89	10.07	0.01	-0.73	-0.82
8 5/8	49.00	219.08	72.92	14.15	190.78	187.60	71.51	—	8.89	8.98	-1.08	-0.36	-1.91
9 5/8	32.30	244.48	48.07	7.92	228.60	224.66	46.20	11.07	—	—	—	—	—
9 5/8	36.00	244.48	53.57	8.94	226.60	222.63	51.93	10.43	14.51	14.06	2.94	—	—
9 5/8	40.00	244.48	59.53	10.03	224.40	222.25	57.99	9.71	13.61	13.15	2.03	4.81	3.27
9 5/8	40.00	244.48	59.53	10.03	224.40	220.45	57.99	9.71	13.61	13.15	2.03	4.81	3.27
9 5/8	43.50	244.48	64.74	11.05	222.40	218.41	63.61	—	12.79	12.34	1.22	2.45	0.91
9 5/8	47.00	244.48	69.94	11.99	220.50	216.54	68.75	—	12.07	11.61	0.49	1.00	-0.54
9 5/8	53.50	244.48	79.62	13.84	216.80	215.90	78.72	—	10.61	10.16	-0.96	-0.54	-2.09
9 5/8	53.50	244.48	79.62	13.84	216.80	212.83	78.72	—	10.61	10.16	-0.96	-0.54	-2.09
10 3/4	32.75	273.05	48.74	7.09	258.90	254.91	46.50	13.15	—	—	—	—	—
10 3/4	40.50	273.05	60.27	8.89	255.30	251.31	57.91	11.97	—	15.60	3.27	—	—
10 3/4	45.50	273.05	67.71	10.16	252.70	250.82	65.87	11.07	—	14.42	2.09	9.62	—
10 3/4	45.50	273.05	67.71	10.16	252.70	248.77	65.87	11.07	—	14.42	2.09	9.62	—
10 3/4	51.00	273.05	75.90	11.43	250.20	246.23	73.75	10.25	—	13.34	1.00	8.35	—
10 3/4	55.50	273.05	82.59	12.57	247.90	244.48	80.75	9.43	—	12.25	-0.09	7.17	—
10 3/4	55.50	273.05	82.59	12.57	247.90	243.94	80.75	9.43	—	12.25	-0.09	7.17	—
11 3/4	42.00	298.45	62.50	8.46	281.50	277.50	62.56	13.43	—	—	—	—	—
11 3/4	47.00	298.45	69.94	9.52	279.41	275.44	67.83	12.52	—	16.24	—	—	—
11 3/4	54.00	298.45	80.36	11.05	276.40	272.39	78.32	11.34	—	14.70	—	—	—
11 3/4	60.00	298.45	89.29	12.42	273.60	269.68	87.61	10.25	—	13.43	—	—	—
11 3/4	60.00	298.45	89.29	12.42	273.60	269.65	87.61	10.25	—	13.43	—	—	—
13 3/8	54.50	339.72	81.10	9.65	320.42	316.45	78.55	13.97	—	18.23	—	—	—
13 3/8	61.00	339.72	90.78	10.92	317.88	313.91	88.55	12.88	—	16.69	—	—	—
13 3/8	68.00	339.72	101.19	12.19	315.34	311.37	98.46	11.70	—	15.24	—	—	—
13 3/8	72.00	339.72	107.15	13.06	313.60	311.15	105.21	10.98	—	14.33	—	—	—
16	65.00	406.40	96.73	9.53	387.40	382.57	96.73	19.32	—	—	—	—	—
16	75.00	406.40	111.61	11.13	384.10	379.37	108.49	17.33	—	20.68	—	—	—
16	84.00	406.40	125.01	12.57	381.30	376.48	122.09	15.51	—	17.96	—	—	—
16	109.00	406.40	162.21	16.66	373.10	368.30	160.13	—	—	—	—	—	—

BS 1387/1985

WELDED STEEL PIPES (GALVANIZED & BLACK)

NOMINAL SIZE		WALL THICKNESS (MM)					OUTSIDE DIAMETER(MM)								WEIGHT OF PLAIN ENDS (KG/M)				THREAD	
INCH	MM	A-1	A	B	C	MAX.				MIN.				A-1	A	B	C	NUMBER OF THREADS PER INCH	THREADS LENGTH	
						A-1	A	B	C	A-1	A	B	C							
1/2	15	1.8	2.0	2.6	3.2	21.3	21.4	21.7	21.7	21.0	21.0	21.1	21.1	0.86	0.95	1.21	1.44	14	11.4-15.0	
3/4	20	1.8	2.3	2.6	3.2	26.9	26.9	27.2	27.2	26.4	26.4	26.6	26.6	1.11	1.38	1.56	1.87	14	12.7-16.3	
1	25	2.0	2.6	3.2	4.0	33.7	33.8	34.2	34.2	33.2	33.2	33.4	33.4	1.55	1.98	2.41	2.94	11	14.5-19.1	
1 1/4	32	2.3	2.6	3.2	4.0	42.4	42.5	42.9	42.9	41.9	41.9	42.1	42.1	2.26	2.54	3.10	3.80	11	16.8-21.4	
1 1/2	40	2.3	2.9	3.2	4.0	48.3	48.4	48.8	48.8	47.8	47.8	48.0	48.0	2.60	3.23	3.57	4.38	11	16.8-21.4	
2	50	2.3	2.9	3.6	4.5	60.2	60.2	60.8	60.8	59.6	59.6	59.8	59.8	3.27	4.08	5.03	6.19	11	21.1-25.7	
2 1/2	65	2.6	3.2	3.6	4.5	76.0	76.0	76.6	76.6	75.2	75.2	75.4	75.4	4.68	5.71	6.43	7.93	11	23.2-30.2	
3	80	2.9	3.2	4.0	5.0	88.7	88.7	89.5	89.5	87.9	87.9	88.1	88.1	6.11	6.72	8.37	10.30	11	26.3-33.3	
4	100	2.9	3.6	4.5	5.4	113.9	113.9	114.9	114.9	113.0	113.0	113.3	113.3	7.91	9.75	12.10	14.50	11	32.3-39.3	
5	125	-	-	5.0	5.4	-	-	140.6	140.6	-	-	138.7	138.7	-	-	16.60	17.90	11	36.6-43.6	
6	150	-	-	5.0	5.4	-	-	166.1	166.1	-	-	164.1	164.1	-	-	19.70	21.30	11	36.6-43.6	

REMARKS:

- 1) THE WEIGHT OF THE GALVANIZED PIPES (A-1, A CLASS) IS CALCULATED AT ABOUT 5% HIGHER THAN THAT OF THE BLACK PIPES.
- 2) THE WEIGHT OF THE GALVANIZED PIPES (B, C CLASS) IS CALCULATED AT ABOUT 5% HIGHER THAN THAT OF THE BLACK PIPES.
- 3) WALL THICKNESS OF A-1 CLASS AND A CLASS, -8% +NOT LIMITED.
- 4) WALL THICKNESS OF B CLASS AND C CLASS, -10% +NOT LIMITED.

WELDED STEEL PIPES

EN10219-2, 1997

OUTSIDE DIAMETER	THICKNESS	THEORETICAL WEIGHT
MM	MM	KG/M
21.3	2.00	0.95
21.3	2.50	1.16
21.3	3.00	1.35
26.9	2.00	1.23
26.9	2.50	1.50
26.9	3.00	1.77
33.7	2.00	1.56
33.7	2.50	1.92
33.7	3.00	2.27
42.4	2.00	1.99
42.4	2.50	2.46
42.4	3.00	2.91
48.3	2.00	2.28
48.3	2.50	2.82
48.3	3.00	3.35
60.3	2.50	3.56
60.3	3.00	4.24
60.3	4.00	5.55
76.1	2.50	4.54
76.1	3.00	5.41
76.1	4.00	7.11
88.9	3.00	6.36
88.9	4.00	8.38
88.9	5.00	10.30
101.6	3.00	7.29
101.6	4.00	9.63
101.6	5.00	11.90
114.3	3.00	8.23
114.3	4.00	10.90
114.3	5.00	13.50
139.7	4.00	13.40
139.7	5.00	16.60
139.7	6.00	19.80
139.7	6.30	20.70
168.3	4.00	16.20
168.3	5.00	20.10
168.3	6.00	24.00
168.3	6.30	25.20
168.3	8.00	31.60

OUTSIDE DIAMETER	THICKNESS	THEORETICAL WEIGHT
MM	MM	KG/M
177.8	5.00	21.30
177.8	6.00	25.40
177.8	8.00	33.50
193.7	5.00	23.30
193.7	6.00	27.80
193.7	8.00	36.60
193.7	10.00	45.30
193.7	12.00	53.80
219.1	5.00	26.40
219.1	6.00	31.50
219.1	6.30	33.10
219.1	8.00	41.60
219.1	10.00	51.60
219.1	12.00	61.30
244.5	6.00	35.30
244.5	6.30	37.00
244.5	8.00	46.70
244.5	10.00	57.80
244.5	12.00	68.80
273.0	6.00	39.50
273.0	6.30	41.40
273.0	8.00	52.30
273.0	10.00	64.90
273.0	12.00	77.20
273.0	12.50	80.30
323.9	6.00	47.00
323.9	6.30	49.30
323.9	8.00	62.30
323.9	10.00	77.40
323.9	12.00	92.30
323.9	12.50	96.00
355.6	8.00	68.60
355.6	10.00	85.20
355.6	12.00	102.00
355.6	12.50	106.00
406.4	8.00	78.60
406.4	10.00	97.80
406.4	12.00	117.00
406.4	12.50	121.00

WELDED STEEL PIPE

ASME B36.10M-1996/ASTM A53

NOMINAL DIAMETER		OUTSIDE DIAMETER		WALL THICKNESS		PLAIN ENDS	
						NOMINAL	WEIGHT
INCH	MM	INCH	MM	INCH	MM	KG/M	KG/PC
1/2	15	0.840	21.30	0.109	2.77	1.27	7.59
3/4	20	1.050	26.70	0.113	2.87	1.69	10.12
1	25	1.315	33.40	0.133	3.38	2.50	15.01
1 1/4	32	1.660	42.40	0.140	3.56	3.39	20.35
1 1/2	40	1.900	48.30	0.145	3.68	4.05	24.30
2	50	2.375	60.30	0.154	3.91	5.44	32.62
2 1/2	65	2.875	73.00	0.203	5.16	8.63	51.80
3	80	3.500	88.90	0.216	5.49	11.29	67.76
3 1/2	90	4.000	101.60	0.226	5.74	13.57	81.42
4	100	4.500	114.30	0.237	6.02	16.07	96.45
5	125	5.563	141.30	0.258	6.55	21.77	130.60
6	150	6.625	168.30	0.280	7.11	28.26	169.58
8	200	8.625	219.10	0.322	8.18	42.55	255.29
10	250	10.750	273.00	0.365	9.27	60.29	361.75
12	300	12.750	323.80	0.375	9.53	73.86	443.17
14	350	14.000	355.60	0.375	9.53	81.33	488.01
16	400	16.000	406.40	0.375	9.53	93.27	559.64
18	450	18.000	457.00	0.375	9.53	105.17	631.00
20	500	20.000	508.00	0.375	9.53	117.15	702.91
24	600	24.000	610.00	0.375	9.53	141.12	846.75

REMARKS: THE WEIGHT OF THE GALVANIZED PIPES IS CALCULATED AT ABOUT 4% HIGHER THAN THAT OF THE BLACK PIPES.



Head Office: Riyadh - Al Malaz - Sallaheldin St,(60St) - Kingdom of Saudi Arabia

Un No. - 920005155 - P.O.Box - 61947 Riyadh 11575

C.R - 1010405318 C.C.No. - 105319

www.arabcoo.com - sales@arabcoo.com