

# ASTM SCHEDULED SIZES

DIMENSION AND WEIGHT															
Nominal Pipe Size mm/inch	OD mm	SCHEDULE WALL THICKNESS (mm) / WEIGHT (kg/m)													
		Sch 5	Sch 10	Sch 20	Sch 30	STD	Sch 40	XS	Sch 60	Sch 80	Sch 100	Sch 120	Sch 140	Sch 160	XXS
6	10.3	-	1.24	-	-	1.73	1.73	2.41	-	2.41	-	-	-	-	-
1/8		-	0.28	-	-	0.37	0.37	0.47	-	0.47	-	-	-	-	-
8	13.7	-	1.65	-	-	2.24	2.24	3.02	-	3.02	-	-	-	-	-
1/4		-	0.49	-	-	0.63	0.63	0.80	-	0.80	-	-	-	-	-
10	17.1	-	1.65	-	-	2.31	2.31	3.20	-	3.20	-	-	-	-	-
3/8		-	0.63	-	-	0.84	0.84	1.10	-	1.10	-	-	-	-	-
15	21.3	1.65	2.11	-	-	2.77	2.77	3.73	-	3.73	-	-	-	4.78	7.47
1/2		0.80	1.00	-	-	1.27	1.27	1.62	-	1.62	-	-	-	1.95	2.55
20	26.7	1.65	2.11	-	-	2.87	2.87	3.91	-	3.91	-	-	-	5.56	7.82
3/4		1.03	1.28	-	-	1.69	1.69	2.20	-	2.20	-	-	-	2.90	3.64
25	33.4	1.65	2.77	-	-	3.38	3.38	4.55	-	4.55	-	-	-	6.35	9.09
1		1.29	2.09	-	-	2.50	2.50	3.24	-	3.24	-	-	-	4.24	5.45
32	42.2	1.65	2.77	-	-	3.56	3.56	4.85	-	4.85	-	-	-	6.35	9.70
1 1/4		1.65	2.69	-	-	3.39	3.39	4.47	-	4.47	-	-	-	5.61	7.77
40	48.3	1.65	2.77	-	-	3.68	3.68	5.08	-	5.08	-	-	-	7.14	10.15
1 1/2		1.90	3.11	-	-	4.05	4.05	5.41	-	5.41	-	-	-	7.25	9.55
50	60.3	1.65	2.77	-	-	3.91	3.91	5.54	-	5.54	-	-	-	8.74	11.07
2		2.39	3.93	-	-	5.44	5.44	7.48	-	7.48	-	-	-	11.11	13.44
65	73.0	2.11	3.05	-	-	5.16	5.16	7.01	-	7.01	-	-	-	9.53	14.02
2 1/2		3.69	5.26	-	-	8.63	8.63	11.41	-	11.41	-	-	-	14.92	20.39
80	88.9	2.11	3.05	-	-	5.49	5.49	7.62	-	7.62	-	-	-	11.13	15.24
3		4.52	6.46	-	-	11.29	11.29	15.27	-	15.27	-	-	-	21.35	27.68
90	101.6	2.11	3.05	-	-	5.74	5.74	8.08	-	8.08	-	-	-	-	-
3 1/2		5.18	7.41	-	-	13.57	13.57	18.64	-	18.64	-	-	-	-	-
100	114.3	2.11	3.05	-	-	6.02	6.02	8.56	-	8.56	-	11.13	-	13.49	17.12
4		5.84	8.37	-	-	16.08	16.08	22.32	-	22.32	-	28.32	-	33.54	41.03
125	141.3	2.77	3.40	-	-	6.55	6.55	9.53	-	9.53	-	12.70	-	15.88	19.05
5		9.46	11.56	-	-	21.77	21.77	30.97	-	30.97	-	40.28	-	49.12	57.43
150	168.30	2.77	3.40	-	-	7.11	7.11	10.97	-	10.97	-	14.27	-	18.26	21.95
6		11.31	13.83	-	-	28.26	28.26	42.56	-	42.56	-	54.21	-	67.57	79.22
200	219.10	-	-	6.35	7.04	8.18	8.18	12.70	10.31	12.70	15.09	18.26	20.62	23.01	22.23
8		-	-	33.32	36.82	42.55	42.55	64.64	53.09	64.64	75.92	90.44	100.93	111.27	107.93
250	273.00	3.40	4.19	6.35	7.80	9.27	9.27	12.70	12.70	15.09	18.26	21.44	25.40	28.58	25.40
10		22.61	27.78	41.76	51.01	60.29	60.29	81.53	81.53	95.98	114.71	133.01	155.10	172.27	155.10
300	323.80	-	-	-	8.38	9.53	10.31	12.70	14.27	17.48	21.44	25.40	28.58	33.32	25.40
12		-	-	-	65.19	73.86	79.71	97.44	108.93	132.05	159.87	186.92	208.08	238.69	186.92
350	355.60	-	-	-	9.53	9.53	11.13	12.70	15.09	19.05	23.83	27.79	31.75	35.71	-
14		-	-	-	81.33	81.33	94.55	107.40	126.72	158.11	194.98	224.66	253.58	281.72	-
400	406.40	-	-	-	9.53	9.53	12.70	12.70	16.66	21.44	-	-	-	-	-
16		-	-	-	93.27	93.27	123.31	123.31	160.12	203.54	-	-	-	-	-
450	457.00	-	-	9.53	11.13	9.53	14.27	12.70	19.05	23.83	-	-	-	-	-
18		-	-	105.17	122.38	105.17	155.81	139.16	205.75	254.57	-	-	-	-	-
500	508.00	-	-	9.53	12.70	9.53	15.09	12.70	20.62	26.19	-	-	-	-	-
20		-	-	117.15	155.13	117.15	183.43	155.13	247.84	311.19	-	-	-	-	-

NOTE : Weights are specified for Plain end Pipes.

# OCTG

## API Line Pipes

Dimensions, Weights and Test Pressures for Sizes 0.840" through 20" (SI Units)														
Size	Specified Outside Diameter	Specified Wall Thickness	Plain-end weight per Unit Length	Calculated Inside Diameter	Minimum Test Pressure (KPa x 100)									
	D (mm)	t (mm)	Wpe (Kg/m)	d (mm)	Grade A25	Grade A	Grade B	Grade X-42	Grade X-46	Grade X-52	Grade X-56	Grade X-60	Grade X-65	Grade X-70
0.840	21.3	2.8	1.28	15.7	48	48	48	-	-	-	-	-	-	-
0.840	21.3	3.7	1.61	13.9	59	59	59	-	-	-	-	-	-	-
1.050	26.7	2.9	1.70	20.9	48	48	48	-	-	-	-	-	-	-
1.050	26.7	3.9	2.19	18.9	59	59	59	-	-	-	-	-	-	-
1.315	33.4	3.4	2.52	26.6	48	48	48	-	-	-	-	-	-	-
1.315	33.4	4.5	3.21	24.4	59	59	59	-	-	-	-	-	-	-
1.660	42.2	3.6	3.43	35.0	69	83	90	-	-	-	-	-	-	-
1.660	42.2	4.9	4.51	32.4	90	124	131	-	-	-	-	-	-	-
1.900	48.3	3.7	4.07	40.9	69	83	90	-	-	-	-	-	-	-
1.900	48.3	5.1	5.43	38.1	90	124	131	-	-	-	-	-	-	-
2 3/8"	60.3	3.6	5.03	53.1	69	150	170	205	205	205	205	205	205	205
	60.3	3.9	5.42	52.5	69	163	170	205	205	205	205	205	205	205
	60.3	4.4	6.07	51.5	76	170	170	205	205	205	205	205	205	205
	60.3	4.8	6.57	50.7	83	170	170	205	205	205	205	205	205	205
	60.3	5.5	7.43	49.3	90	170	170	205	205	205	205	205	205	205
	60.3	6.4	8.51	47.5	96	170	170	205	205	205	205	205	205	205
	60.3	7.1	9.31	46.1	96	170	170	205	205	205	205	205	205	205
2 7/8"	73.0	4.0	6.81	65.0	69	138	161	191	205	205	205	205	205	205
	73.0	4.4	7.44	64.2	69	152	170	205	205	205	205	205	205	205
	73.0	4.8	8.07	63.4	69	166	170	205	205	205	205	205	205	205
	73.0	5.2	8.69	62.6	69	170	170	205	205	205	205	205	205	205
	73.0	5.5	9.16	62.0	76	170	170	205	205	205	205	205	205	205
	73.0	6.4	10.51	60.2	83	170	170	205	205	205	205	205	205	205
	73.0	7.0	11.39	59.0	90	170	170	205	205	205	205	205	205	205
3 1/2"	88.9	4.0	8.37	80.9	69	113	132	157	173	194	205	205	205	205
	88.9	4.4	9.17	80.1	69	125	146	172	190	205	205	205	205	205
	88.9	4.8	9.95	79.3	69	136	159	188	205	205	205	205	205	205
	88.9	5.5	11.31	77.9	69	156	170	205	205	205	205	205	205	205
	88.9	6.4	13.02	76.1	-	170	170	205	205	205	205	205	205	205
	88.9	7.1	14.32	74.7	-	170	170	205	205	205	205	205	205	205
	88.9	7.6	15.24	73.7	90	170	170	205	205	205	205	205	205	205
4"	101.6	4.0	9.63	93.6	-	99	116	137	151	170	184	196	205	205
	101.6	4.4	10.55	92.8	69	109	127	151	166	187	203	205	205	205
	101.6	4.8	11.46	92.0	83	119	139	164	181	204	205	205	205	205
	101.6	5.7	13.48	90.2	83	141	165	195	205	205	205	205	205	205
	101.6	6.4	15.02	88.8	-	159	185	205	205	205	205	205	205	205
	101.6	7.1	16.55	87.4	-	176	190	205	205	205	205	205	205	205
	101.6	8.1	18.68	85.4	117	190	190	205	205	205	205	205	205	205
4 1/2"	114.3	4.0	10.88	106.3	69	88	103	122	134	151	164	174	189	204

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## API Line Pipes

Dimensions, Weights and Test Pressures for Sizes 0.840" through 20" (SI Units)														
Size	Specified Outside Diameter	Specified Wall Thickness	Plain-end weight per Unit Length	Calculated Inside Diameter	Minimum Test Pressure (KPa x 100)									
	D (mm)	t (mm)	Wpe (Kg/m)	d (mm)	Grade A25	Grade A	Grade B	Grade X-42	Grade X-46	Grade X-52	Grade X-56	Grade X-60	Grade X-65	Grade X-70
	114.3	4.4	11.92	105.5	-	97	113	134	148	166	180	192	205	205
	114.3	4.8	12.96	104.7	83	106	123	146	161	181	197	205	205	205
	114.3	5.2	13.99	103.9	-	115	134	158	175	197	205	205	205	205
	114.3	5.6	15.01	103.1	83	123	144	170	188	205	205	205	205	205
	114.3	6.0	16.02	102.3	83	132	154	183	202	205	205	205	205	205
	114.3	6.4	17.03	101.5	-	141	165	195	205	205	205	205	205	205
	114.3	7.1	18.77	100.1	-	157	183	205	205	205	205	205	205	205
	114.3	7.9	20.73	98.5	-	174	190	205	205	205	205	205	205	205
	114.3	8.6	22.42	97.1	117	190	190	205	205	205	205	205	205	205
	114.3	11.1	28.25	92.1	-	190	190	205	205	205	205	205	205	205
	114.3	13.5	33.56	87.3	-	190	190	205	205	205	205	205	205	205
	114.3	17.1	40.99	80.1	-	190	190	205	205	205	205	205	205	205
5 1/8"	141.3	5.6	18.74	130.1	81	100	117	138	152	171	185	197	205	205
	141.3	6.6	21.92	128.1	83	118	137	163	179	202	205	205	205	205
	141.3	7.1	23.50	127.1	105	127	148	175	193	205	205	205	205	205
	141.3	7.9	25.99	125.5	116	141	164	195	205	205	205	205	205	205
	141.3	8.7	28.45	123.9	128	155	181	205	205	205	205	205	205	205
	141.3	9.5	30.88	122.3	139	169	190	205	205	205	205	205	205	205
	141.3	12.7	40.28	115.9	186	190	190	205	205	205	205	205	205	205
	141.3	15.9	49.17	109.5	193	190	190	205	205	205	205	205	205	205
6 1/8"	168.3	5.2	20.91	157.9	-	78	91	134	148	167	181	192	205	205
	168.3	5.6	22.47	157.1	-	84	98	145	160	180	195	205	205	205
	168.3	6.4	25.55	155.5	-	96	112	165	183	205	205	205	205	205
	168.3	7.1	28.22	154.1	-	106	124	184	202	205	205	205	205	205
	168.3	7.9	31.25	152.5	-	118	138	204	205	205	205	205	205	205
	168.3	8.7	34.24	150.9	-	130	152	205	205	205	205	205	205	205
	168.3	9.5	37.20	149.3	-	142	166	205	205	205	205	205	205	205
	168.3	11.0	42.67	146.3	-	165	190	205	205	205	205	205	205	205
	168.3	12.7	48.73	142.9	-	190	190	205	205	205	205	205	205	205
	168.3	14.3	54.31	139.7	-	190	190	205	205	205	205	205	205	205
	168.3	15.9	59.76	136.5	-	190	190	205	205	205	205	205	205	205
	168.3	18.3	67.69	131.7	-	190	190	205	205	205	205	205	205	205
	168.3	19.1	70.27	130.1	-	190	190	205	205	205	205	205	205	205
8 1/8"	219.1	6.4	33.57	206.3	-	74	86	127	140	158	171	182	197	205
	219.1	7.0	36.61	205.1	-	81	94	139	153	173	187	199	205	205
	219.1	7.9	41.14	203.3	-	91	106	157	173	195	205	205	205	205
	219.1	8.2	42.65	202.7	-	94	110	163	180	202	205	205	205	205
	219.1	8.7	45.14	201.7	-	100	117	173	191	205	205	205	205	205
	219.1	9.5	49.10	200.1	-	109	127	189	205	205	205	205	205	205

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## API Line Pipes

Dimensions, Weights and Test Pressures for Sizes 0.840" through 20" (SI Units)														
Size	Specified Outside Diameter	Specified Wall Thickness	Plain-end weight per Unit Length	Calculated Inside Diameter	Minimum Test Pressure (KPa x 100)									
	D (mm)	t (mm)	Wpe (Kg/m)	d (mm)	Grade A25	Grade A	Grade B	Grade X-42	Grade X-46	Grade X-52	Grade X-56	Grade X-60	Grade X-65	Grade X-70
	219.1	11.1	56.94	196.9	-	128	149	205	205	205	205	205	205	205
	219.1	12.7	64.64	193.7	-	146	170	205	205	205	205	205	205	205
	219.1	14.3	72.22	190.5	-	164	190	205	205	205	205	205	205	205
	219.1	15.9	79.67	187.3	-	183	190	205	205	205	205	205	205	205
	219.1	18.3	90.62	182.5	-	190	190	205	205	205	205	205	205	205
	219.1	19.1	94.20	180.9	-	190	190	205	205	205	205	205	205	205
	219.1	20.6	100.84	177.9	-	190	190	205	205	205	205	205	205	205
	219.1	22.2	107.79	174.7	-	190	190	205	205	205	205	205	205	205
	219.1	25.4	121.33	168.3	-	190	190	205	205	205	205	205	205	205
10 3/4"	273.1	7.1	46.57	258.9	-	66	76	128	141	159	172	183	199	205
	273.1	7.8	51.03	257.5	-	72	84	141	155	175	189	201	205	205
	273.1	8.7	56.72	255.7	-	80	94	157	173	195	205	205	205	205
	273.1	9.3	60.50	254.5	-	86	100	168	185	205	205	205	205	205
	273.1	11.1	71.72	250.9	-	102	119	200	205	205	205	205	205	205
	273.1	12.7	81.55	247.7	-	117	137	205	205	205	205	205	205	205
	273.1	14.3	91.26	244.5	-	132	154	205	205	205	205	205	205	205
	273.1	15.9	100.85	241.3	-	147	171	205	205	205	205	205	205	205
	273.1	18.3	114.99	236.5	-	169	190	205	205	205	205	205	205	205
	273.1	20.6	128.27	231.9	-	190	190	205	205	205	205	205	205	205
	273.1	22.2	137.36	228.7	-	190	190	205	205	205	205	205	205	205
	273.1	23.8	146.32	225.5	-	190	190	205	205	205	205	205	205	205
	273.1	25.4	155.15	222.3	-	190	190	205	205	205	205	205	205	205
	273.1	31.8	189.22	209.5	-	190	190	205	205	205	205	205	205	205
12 3/4"	323.9	7.1	55.47	309.7	-	55	64	108	119	134	145	155	168	181
	323.9	7.9	61.56	308.1	-	61	72	120	133	149	162	172	187	201
	323.9	8.4	65.35	307.1	-	65	76	128	141	159	172	183	198	205
	323.9	8.7	67.62	306.5	-	68	79	132	146	164	178	189	205	205
	323.9	9.5	73.65	304.9	-	74	86	145	160	179	194	205	205	205
	323.9	10.3	79.65	303.3	-	80	93	157	173	195	205	205	205	205
	323.9	11.1	85.62	301.7	-	86	101	169	186	205	205	205	205	205
	323.9	12.7	97.46	298.5	-	99	115	193	205	205	205	205	205	205
	323.9	14.3	109.18	295.3	-	111	130	205	205	205	205	205	205	205
	323.9	15.9	120.76	292.1	-	124	144	205	205	205	205	205	205	205
	323.9	17.5	132.23	288.9	-	136	159	205	205	205	205	205	205	205
	323.9	19.1	143.56	285.7	-	149	173	205	205	205	205	205	205	205
	323.9	20.6	154.08	282.7	-	160	187	205	205	205	205	205	205	205
	323.9	22.2	165.17	279.5	-	173	190	205	205	205	205	205	205	205
	323.9	23.8	176.13	276.3	-	185	190	205	205	205	205	205	205	205
	323.9	25.4	186.97	273.1	-	190	190	205	205	205	205	205	205	205

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## API Line Pipes

### Dimensions, Weights and Test Pressures for Sizes 0.840" through 20" (SI Units)

Size	Specified Outside Diameter	Specified Wall Thickness	Plain-end weight per Unit Length	Calculated Inside Diameter	Minimum Test Pressure (KPa x 100)											
					D (mm)	t (mm)	Wpe (Kg/m)	d (mm)	Grade A25	Grade A	Grade B	Grade X-42	Grade X-46	Grade X-52	Grade X-56	Grade X-60
14"	323.9	27.0	197.68	269.9	-	190	190	205	205	205	205	205	205	205	205	
	323.9	28.6	208.27	266.7	-	190	190	205	205	205	205	205	205	205	205	
	323.9	31.8	229.06	260.3	-	190	190	205	205	205	205	205	205	205	205	
	355.6	9.5	81.08	336.6	-	67	79	132	145	163	177	188	204	205	205	
	355.6	10.3	87.71	335.0	-	73	85	143	158	177	192	204	205	205	205	
	355.6	11.1	94.30	333.4	-	79	92	154	170	191	205	205	205	205	205	
	355.6	11.9	100.86	331.8	-	84	98	165	182	205	205	205	205	205	205	
	355.6	12.7	107.39	330.2	-	90	105	176	194	205	205	205	205	205	205	
	355.6	14.3	120.36	327.0	-	101	118	198	205	205	205	205	205	205	205	
	355.6	15.9	133.19	323.8	-	113	131	205	205	205	205	205	205	205	205	
	355.6	17.5	145.91	320.6	-	124	145	205	205	205	205	205	205	205	205	
	355.6	19.1	158.49	317.4	-	135	158	205	205	205	205	205	205	205	205	
	355.6	20.6	170.18	314.4	-	146	170	205	205	205	205	205	205	205	205	
	355.6	22.2	182.52	311.2	-	157	184	205	205	205	205	205	205	205	205	
16"	355.6	23.8	194.74	308.0	-	169	190	205	205	205	205	205	205	205	205	
	355.6	25.4	206.83	304.8	-	180	190	205	205	205	205	205	205	205	205	
	355.6	27.0	218.79	301.6	-	190	190	205	205	205	205	205	205	205	205	
	355.6	28.6	230.63	298.4	-	190	190	205	205	205	205	205	205	205	205	
	355.6	31.8	253.92	292.0	-	190	190	205	205	205	205	205	205	205	205	
	406.4	9.5	92.99	387.4	-	59	69	115	127	143	155	165	179	193	193	
	406.4	12.7	123.31	381.0	-	79	92	154	170	191	205	205	205	205	205	
	406.4	21.4	203.19	363.6	-	133	155	205	205	322	205	205	205	205	205	
	18"	457.0	9.5	104.84	438.0	-	52	61	102	113	127	138	147	159	171	171
		457.0	11.1	122.06	434.8	-	61	71	120	132	149	161	171	186	200	200
457.0		12.7	139.16	431.6	-	70	82	137	151	170	184	196	205	205	205	
457.0		14.3	156.12	428.4	-	79	92	154	170	192	205	205	205	205	205	
457.0		19.1	206.27	418.8	-	105	123	205	205	205	205	205	205	205	205	
457.0		23.8	254.26	409.4	-	131	153	205	205	205	205	205	205	205	205	
20"	508.0	9.5	116.79	489.0	-	47	55	92	102	114	124	132	143	154	154	
	508.0	12.7	155.13	482.6	-	63	74	123	136	153	166	176	191	205	205	
	508.0	15.1	183.55	477.8	-	75	87	147	162	182	197	205	205	205	205	
	508.0	20.6	247.61	466.8	-	102	119	200	205	205	205	205	205	205	205	
	508.0	26.2	311.31	455.6	-	130	152	205	205	205	205	205	205	205	205	

# OCTG

## API Tubing

Dimensions, Weights and End Finish															
Outside Diameter		Nominal Weights				Wall Thickness		Coupling OD		Thread Type		Type of End Finish			
		Non Upset T&C		External Upset T&C						API Round		Grade			
		In.	mm.	lb/ft.	Kg/mtr			lb/ft.	Kg/mtr	In.	mm.				
1.900	48.26	2.40	3.57	-	-	0.125	3.18	-	-	-	-	P	-	-	-
1.900	48.26	2.75	4.09	2.90	4.32	0.145	3.68	55.88	63.50	10	10	PNU	PNU	PNU	-
1.900	48.26	3.65	5.43	3.73	5.55	0.200	5.08	-	63.50	-	10	PU	PU	PU	PU
1.900	48.26	4.42	6.58	-	-	0.250	6.35	-	-	-	-	-	-	P	-
1.900	48.26	5.15	7.66	-	-	0.300	7.62	-	-	-	-	-	-	P	-
2.063	52.40	3.24	4.82	-	-	0.156	3.96	-	-	-	-	P	P	P	-
2.063	52.40	4.50	6.70	-	-	0.225	5.72	-	-	-	-	P	P	P	P
2 3/8	60.32	4.00	5.95	-	-	0.167	4.24	73.02	-	10	-	PN	PN	PN	-
2 3/8	60.32	4.60	6.85	4.70	6.99	0.190	4.83	73.02	77.80	10	8	PNU	PNU	PNU	PNU
2 3/8	60.32	5.80	8.63	5.95	8.85	0.254	6.45	73.02	77.80	10	8	-	PNU	PNU	PNU
2 3/8	60.32	6.60	9.82	-	-	0.295	7.49	-	-	-	-	-	-	P	-
2 3/8	60.32	7.35	10.94	7.45	11.09	0.336	8.53	-	77.80	-	8	-	-	PU	-
2 7/8	73.02	6.40	9.52	6.50	9.67	0.217	5.51	88.90	93.17	10	8	PNU	PNU	PNU	PNU
2 7/8	73.02	7.80	11.61	7.90	11.76	0.276	7.01	88.90	93.17	10	8	-	PNU	PNU	PNU
2 7/8	73.02	8.60	12.80	8.70	12.95	0.308	7.82	88.90	93.17	10	8	-	PNU	PNU	PNU
2 7/8	73.02	9.35	13.91	9.45	14.06	0.340	8.64	-	93.17	-	8	-	-	PU	-
2 7/8	73.02	10.50	15.63	-	-	0.392	9.96	-	-	-	-	-	-	P	-
2 7/8	73.02	11.50	17.11	-	-	0.440	11.18	-	-	-	-	-	-	P	-
3 1/2	88.90	7.70	11.46	-	-	0.216	5.49	107.95	-	10	-	PN	PN	PN	-
3 1/2	88.90	9.20	13.69	9.30	13.84	0.254	6.45	107.95	114.30	10	8	PNU	PNU	PNU	PNU
3 1/2	88.90	10.20	15.18	-	-	0.289	7.34	107.95	-	10	-	PN	PN	PN	-
3 1/2	88.90	12.70	18.90	12.95	19.27	0.375	9.52	107.95	114.30	10	8	-	PNU	PNU	PNU
3 1/2	88.90	14.30	21.28	-	-	0.430	10.92	-	-	-	-	-	-	P	-
3 1/2	88.90	15.50	23.07	-	-	0.476	12.09	-	-	-	-	-	-	P	-
3 1/2	88.90	17.00	25.30	-	-	0.530	13.46	-	-	-	-	-	-	P	-
4		101.60	9.50	14.14	-	-	0.226	5.74	120.65	-	8	-	PN	PN	PN
4		101.60	10.70	15.92	11.00	16.37	0.262	6.65	-	127.00	-	8	PU	PU	PU
4		101.60	13.20	19.64	-	-	0.330	8.38	-	-	-	-	-	-	P
4		101.60	16.10	23.96	-	-	0.415	10.54	-	-	-	-	-	-	P
4		101.60	18.90	28.13	-	-	0.500	12.70	-	-	-	-	-	-	P
4		101.60	22.20	33.04	-	-	0.610	15.49	-	-	-	-	-	-	P
4 1/2	114.30	12.60	18.75	12.75	18.97	0.271	6.88	132.08	141.30	8	8	PNU	PNU	PNU	-
4 1/2	114.30	15.20	22.62	-	-	0.337	8.56	-	-	-	-	-	-	P	-
4 1/2	114.30	17.00	25.30	-	-	0.380	9.65	-	-	-	-	-	-	P	-
4 1/2	114.30	18.90	28.13	-	-	0.430	10.92	-	-	-	-	-	-	P	-
4 1/2	114.30	21.50	32.00	-	-	0.500	12.70	-	-	-	-	-	-	P	-
4 1/2	114.30	23.70	35.27	-	-	0.560	14.22	-	-	-	-	-	-	P	-
4 1/2	114.30	26.10	38.84	-	-	0.630	16.00	-	-	-	-	-	-	P	-

# OCTG

## API Casing

Dimensions, Weights and End Finish																			
Outside Diameter		Nominal Weights T&C		Nominal Weights Plain-end		Wall Thickness		Type of Finish Grade									Coupling OD	Thread Type	
								H-40	J-55 K-55	M65	L-80 R-95	N-80 Type-1,Q	C-90 T-95	C-110	P-110	Q-125		mm	STC LTC
In.	mm.	lb/ft.	Kg/mtr	lb/ft.	Kg/mtr	In.	mm.												
4½	114.30	9.50	14.14	9.42	14.02	0.205	5.21	PS	PS	PS	-	-	-	-	-	-	127.00	8	-
4½	114.30	10.50	15.63	10.24	15.24	0.224	5.69	-	PSB	PSB	-	-	-	-	-	-	127.00	8	5
4½	114.30	11.60	17.26	11.36	16.91	0.250	6.35	-	PSLB	PLB	PLB	PLB	PLB	P	PLB	-	127.00	8	5
4½	114.30	13.50	20.09	13.06	19.44	0.290	7.37	-	-	PLB	PLB	PLB	PLB	P	PLB	-	127.00	8	5
4½	114.30	15.10	22.47	15.00	22.32	0.337	8.56	-	-	-	-	-	-	-	PLB	PLB	127.00	8	5
5	127.00	11.50	17.11	11.25	16.74	0.220	5.59	-	PS	PS	-	-	-	-	-	-	141.30	8	-
5	127.00	13.00	19.35	12.85	19.12	0.253	6.43	-	PSLB	PSLB	-	-	-	-	-	-	141.30	8	5
5	127.00	15.00	22.32	14.89	22.16	0.296	7.52	-	PSLB	PLB	PLB	PLB	PLB	P	PLB	-	141.30	8	5
5	127.00	18.00	26.79	17.94	26.70	0.362	9.19	-	-	PLB	PLB	PLB	PLB	P	PLB	PLB	141.30	8	5
5	127.00	21.40	31.85	21.32	31.73	0.437	11.10	-	-	PLB	PLB	PLB	PLB	P	PLB	PLB	141.30	8	5
5	127.00	23.20	34.53	23.11	34.39	0.478	12.14	-	-	-	PLB	PLB	PLB	P	PLB	PLB	141.30	8	5
5	127.00	24.10	35.87	24.05	35.80	0.500	12.70	-	-	-	PLB	PLB	PLB	P	PLB	PLB	141.30	8	5
5½	139.70	14.00	20.84	13.72	20.41	0.244	6.20	PS	PS	PS	-	-	-	-	-	-	153.67	8	-
5½	139.70	15.50	23.07	15.35	22.85	0.275	6.98	-	PSLB	PSLB	-	-	-	-	-	-	153.67	8	5
5½	139.70	17.00	25.30	16.88	25.13	0.304	7.72	-	PSLB	PLB	PLB	PLB	PLB	P	PLB	-	153.67	8	5
5½	139.70	20.00	29.76	19.83	29.52	0.361	9.17	-	-	PLB	PLB	PLB	PLB	P	PLB	-	153.67	8	5
5½	139.70	23.00	34.23	22.56	33.57	0.415	10.54	-	-	PLB	PLB	PLB	PLB	P	PLB	PLB	153.67	8	5
5½	139.70	26.80	39.88	26.73	39.78	0.500	12.70	-	-	-	-	-	P	P	-	-	-	-	-
5½	139.70	29.70	44.20	29.66	44.14	0.562	14.27	-	-	-	-	-	P	P	-	-	-	-	-
5½	139.70	32.60	48.52	32.58	48.49	0.625	15.88	-	-	-	-	-	P	P	-	-	-	-	-
6%	168.28	20.00	29.76	19.52	29.06	0.288	7.32	PS	PSLB	PSLB	-	-	-	-	-	-	187.71	8	5
6%	168.28	24.00	35.72	23.61	35.13	0.352	8.94	-	PSLB	PLB	PLB	PLB	PLB	P	PLB	-	187.71	8	5
6%	168.28	28.00	41.67	27.67	41.18	0.417	10.59	-	-	PLB	PLB	PLB	PLB	P	PLB	-	187.71	8	5
6%	168.28	32.00	47.62	31.22	46.46	0.475	12.06	-	-	-	PLB	PLB	PLB	P	PLB	PLB	187.71	8	5
7	177.80	20.00	29.76	19.57	29.12	0.272	6.91	PS	PS	PS	-	-	-	-	-	-	200.03	8	-
7	177.80	23.00	34.23	22.64	33.70	0.317	8.05	-	PSLB	PLB	PLB	PLB	PLB	-	-	-	200.03	8	5
7	177.80	26.00	38.69	25.68	38.21	0.362	9.19	-	PSLB	PLB	PLB	PLB	PLB	P	PLB	-	200.03	8	5
7	177.80	29.00	43.16	28.75	42.78	0.408	10.36	-	-	PLB	PLB	PLB	PLB	P	PLB	-	200.03	8	5
7	177.80	32.00	47.62	31.72	47.20	0.453	11.51	-	-	PLB	PLB	PLB	PLB	P	PLB	-	200.03	8	5
7	177.80	35.00	52.09	34.62	51.52	0.498	12.65	-	-	-	PLB	PLB	PLB	P	PLB	PLB	200.03	8	5
7	177.80	38.00	56.55	37.30	55.52	0.540	13.72	-	-	-	PLB	PLB	PLB	P	PLB	PLB	200.03	8	5
7%	193.68	24.00	35.72	23.49	34.96	0.300	7.62	PS	-	-	-	-	-	-	-	-	215.90	8	-
7%	193.68	26.40	39.29	25.59	38.08	0.328	8.33	-	PSLB	PSLB	PLB	PLB	PLB	P	-	-	215.90	8	5
7%	193.68	29.70	44.20	29.05	43.24	0.375	9.52	-	-	PLB	PLB	PLB	PLB	P	PLB	-	215.90	8	5
7%	193.68	33.70	50.15	33.07	49.22	0.430	10.92	-	-	PLB	PLB	PLB	PLB	P	PLB	-	215.90	8	5
7%	193.68	39.00	58.04	38.09	56.68	0.500	12.70	-	-	-	PLB	PLB	PLB	P	PLB	PLB	215.90	8	5
7%	193.68	42.80	63.70	42.43	63.14	0.562	14.27	-	-	-	PLB	PLB	PLB	P	PLB	PLB	215.90	8	5
7%	193.68	45.30	67.42	44.71	66.54	0.595	15.11	-	-	-	PLB	PLB	PLB	P	PLB	PLB	215.90	8	5
7%	193.68	47.10	70.10	46.79	69.63	0.625	15.88	-	-	-	PLB	PLB	PLB	P	PLB	PLB	215.90	8	5
7¾	196.85	46.10	68.61	45.51	67.72	0.595	15.11	-	-	-	P	P	P	P	P	P	-	-	-
8%	219.08	24.00	35.72	23.61	35.14	0.264	6.71	-	PS	PS	-	-	-	-	-	-	244.48	8	-
8%	219.08	28.00	41.67	27.04	40.24	0.304	7.72	PS	-	PS	-	-	-	-	-	-	244.48	8	-
8%	219.08	32.00	47.62	31.13	46.33	0.352	8.94	PS	PSLB	PSLB	-	-	-	-	-	-	244.48	8	5
8%	219.08	36.00	53.58	35.17	52.35	0.400	10.16	-	PSLB	PSLB	PLB	PLB	PLB	P	-	-	244.48	8	5
8%	219.08	40.00	59.53	39.33	58.53	0.450	11.43	-	-	PLB	PLB	PLB	PLB	P	PLB	-	244.48	8	5

# OCTG

## API Casing

Dimensions, Weights and End Finish																			
Outside Diameter		Nominal Weights T&C		Nominal Weights Plain-end		Wall Thickness		Type of Finish Grade									Coupling OD	Thread Type	
In.	mm.	lb/ft.	Kg/mtr	lb/ft.	Kg/mtr	In.	mm.	H-40	J-55 K-55	M65	L-80 R-95	N-80 Type-1,Q	C-90 T-95	C-110	P-110	Q-125	mm	STC LTC	BTC
8%	219.08	44.00	65.48	43.43	64.64	0.500	12.70	-	-	-	PLB	PLB	PLB	P	PLB	-	244.48	8	5
8%	219.08	49.00	72.92	48.05	71.51	0.557	14.15a	-	-	-	PLB	PLB	PLB	P	PLB	PLB	244.48	8	5
9%	244.48	32.30	48.07	31.05	46.20	0.312	7.92	PS	-	-	-	-	-	-	-	-	269.88	8	-
9%	244.48	36.00	53.58	34.89	51.93	0.352	8.94	PS	PSLB	PSLB	-	-	-	-	-	-	269.88	8	5
9%	244.48	40.00	59.53	38.97	57.99	0.395	10.03	-	PSLB	PSLB	PLB	PLB	PLB	P	-	-	269.88	8	5
9%	244.48	43.50	64.74	42.74	63.61	0.435	11.05	-	-	PLB	PLB	PLB	PLB	P	PLB	-	269.88	8	5
9%	244.48	47.00	69.95	46.19	68.75	0.472	11.99	-	-	PLB	PLB	PLB	PLB	P	PLB	PLB	269.88	8	5
9%	244.48	53.50	79.62	52.90	78.72	0.545	13.84	-	-	-	PLB	PLB	PLB	P	PLB	PLB	269.88	8	5
9%	244.48	58.40	86.91	57.43	85.47	0.595	15.11	-	-	-	PLB	PLB	PLB	P	PLB	PLB	269.88	8	5
10¾	273.05	32.75	48.74	31.25	46.50	0.279	7.09	PS	-	-	-	-	-	-	-	-	298.45	8	-
10¾	273.05	40.50	60.27	38.92	57.91	0.350	8.89	PS	PSB	PSB	-	-	-	-	-	-	298.45	8	5
10¾	273.05	45.50	67.71	44.26	65.87	0.400	10.16	-	PSB	PSB	-	-	-	-	-	-	298.45	8	5
10¾	273.05	51.00	75.90	49.55	73.75	0.450	11.43	-	PSB	PSB	PSB	PSB	PSB	P	PSB	-	298.45	8	5
10¾	273.05	55.50	82.60	54.26	80.75	0.495	12.57	-	-	PSB	PSB	PSB	PSB	P	PSB	-	298.45	8	5
10¾	273.05	60.70	90.33	59.45	88.47	0.545	13.84	-	-	-	-	-	PSB	P	PSB	PSB	298.45	8	5
10¾	273.05	65.70	97.78	64.59	96.12	0.595	15.11	-	-	-	-	-	PSB	P	PSB	PSB	298.45	8	5
11¾	298.45	42.00	62.51	40.65	60.50	0.333	8.46	PS	-	-	-	-	-	-	-	-	323.85	8	-
11¾	298.45	47.00	69.95	45.63	67.90	0.375	9.53	-	PSB	PSB	-	-	-	-	-	-	323.85	8	5
11¾	298.45	54.00	80.36	52.63	78.32	0.435	11.05	-	PSB	PSB	-	-	-	-	-	-	323.85	8	5
11¾	298.45	60.00	89.29	58.87	87.61	0.489	12.42	-	PSB	PSB	PSB	PSB	PSB	P	PSB	PSB	323.85	8	5
11¾	298.45	65.00	96.73	64.02	95.27	0.534	13.56	-	-	-	P	P	P	P	P	P	-	-	-
11¾	298.45	71.00	105.66	69.48	103.40	0.582	14.78	-	-	-	P	P	P	P	P	P	-	-	-
13%	339.72	48.00	71.43	46.01	68.48	0.330	8.38	PS	-	-	-	-	-	-	-	-	365.12	8	-
13%	339.72	54.50	81.11	52.78	78.55	0.380	9.65	-	PSB	PSB	-	-	-	-	-	-	365.12	8	5
13%	339.72	61.00	90.78	59.50	88.55	0.430	10.92	-	PSB	PSB	-	-	-	-	-	-	365.12	8	5
13%	339.72	68.00	101.20	66.16	98.46	0.480	12.19	-	PSB	PSB	PSB	PSB	PSB	P	PSB	-	365.12	8	5
13%	339.72	72.00	107.15	70.70	105.21	0.514	13.06	-	-	-	PSB	PSB	PSB	P	PSB	PSB	365.12	8	5



# BOILER AND HEAT EXCHANGER TUBES

Wall Thickness																		
Outside Diameter		16 swg	15swg	14 swg	13 swg	12 swg	11 swg	10 swg	9 swg	8 swg	7 swg	6 swg	5 swg	4 swg	1/4"	5/16"	3/8"	1/2"
		1.63 mm	1.83 mm	2.03 mm	2.34 mm	2.64 mm	2.45 mm	3.25 mm	3.66 mm	4.06 mm	4.47 mm	4.88 mm	5.39 mm	5.89 mm	6.35 mm	7.94 mm	9.53 mm	12.7 mm
In	mm	Weight with nominal th k (Kg/mtr)																
		Weight with minimum th k (Kg/mtr)																
0.75	19.05	0.70	0.78	0.85	0.96	1.07	1.17	1.27										
		0.74	0.82	0.89	1.01	1.12	1.23	1.33										
1.00	25.40	0.96	1.06	1.17	1.33	1.48	1.63	1.78										
		1.00	1.12	1.23	1.40	1.56	1.71	1.86										
1.25	31.75				1.70	1.90	2.10	2.28	2.54	2.77								
					1.78	1.99	2.20	2.40	2.66	2.91								
1.50	38.10							2.79	3.11	3.41	3.71	4.00	4.35	4.68	4.97			
								3.07	3.42	3.75	4.08	4.40	4.57	4.91	5.22			
1.75	44.45							3.30	3.68	4.04	4.41	4.76	5.19	5.60	5.97			
								3.63	4.05	4.45	4.85	5.24	5.71	5.88	6.26			
2.00	50.80							3.81	4.25	4.68	5.11	5.53	6.04	6.52	6.96			
								4.19	4.68	5.15	5.62	6.08	6.64	7.18	7.66			
2.25	57.15							4.32	4.83	5.32	5.81	6.29	6.88	7.45	7.96	9.64		
								4.75	5.31	5.85	6.39	6.92	7.57	8.19	8.75	10.60		
2.50	63.50							4.83	5.40	5.95	6.51	7.05	7.72	8.37	8.95	10.88	12.68	
								5.31	5.94	6.55	7.16	7.76	8.50	9.21	9.84	11.97	13.95	
2.75	69.85							5.34	5.97	6.59	7.21	7.82	8.57	9.29	9.94	12.12	14.18	
								5.87	6.57	7.25	7.93	8.60	9.43	10.22	10.94	13.34	15.59	
3.00	76.20							5.85	6.55	7.22	7.91	8.58	9.41	10.21	10.94	13.37	15.67	
								6.43	7.20	7.95	8.70	9.44	10.35	11.23	12.03	14.70	17.24	
3.25	82.55							6.36	7.12	7.86	8.61	9.35	10.26	11.14	11.93	14.61	17.16	
								6.99	7.83	8.64	9.47	10.28	11.28	12.25	13.13	16.07	18.88	
3.50	88.90							6.86	7.69	8.49	9.31	10.11	11.10	12.06	12.93	15.85	18.65	
								7.55	8.46	9.34	10.24	11.12	12.21	13.26	14.22	17.44	20.52	
3.75	95.25									9.13	10.01	10.88	11.94	12.98	13.92	17.10	20.15	
										10.04	11.01	11.96	13.14	14.28	15.31	18.81	22.16	
4.00	101.60									9.77	10.71	11.64	12.79	13.90	14.92	18.34	21.64	
										10.74	11.78	12.80	14.07	15.29	16.41	20.17	23.80	
4.25	107.95									10.40	11.41	12.40	13.63	14.82	15.91	19.58	23.13	29.83
										11.44	12.55	13.64	15.00	16.31	17.50	21.54	25.44	32.82
4.50	114.30									11.04	12.11	13.17	14.48	15.75	16.91	20.83	24.62	31.82
										12.14	13.32	14.49	15.92	17.32	18.60	22.91	27.09	35.00
4.75	120.65									11.67	12.81	13.93	15.32	16.67	17.90	22.07	26.12	33.81
										12.84	14.09	15.33	16.85	18.34	19.69	24.28	28.73	37.19
5.00	127.00									12.31	13.51	14.70	16.17	17.59	18.89	23.31	27.61	35.80
										13.54	14.86	16.17	17.78	19.35	20.78	25.64	30.37	39.38
5.25	133.35									12.95	14.21	15.46	17.01	18.51	19.89	24.56	29.10	37.79
										14.24	15.63	17.01	18.71	20.37	21.88	27.01	32.01	41.57
5.50	139.70												17.85	19.44	20.88	25.80	30.59	39.78
													19.64	21.38	22.97	28.38	33.65	43.75
6.00	152.40												19.54	21.28	22.87	28.29	33.58	43.75
													21.50	23.41	25.16	31.12	36.94	48.13
6.50	165.10												21.23	23.13	24.86	30.77	36.56	47.73
													23.35	25.44	27.35	33.85	40.22	52.51

# Upset Drill Pipes with Weld-on Tool Joints

## I) Grade E

Size (inch)	Nominal Weight		OD		WT		Tool Joint
	(lb / ft)	kg/mtr	inch	mm	inch	mm	
<b>Internal Upset (IU)</b>							
4	14.00	20.84	4.00	101.60	0.330	8.38	NC 40
4 1/2	13.75	20.46	4.50	114.30	0.271	6.88	NC 46
<b>External Upset (EU)</b>							
2 3/8	6.65	9.90	2.375	60.32	0.280	7.11	NC 26
2 7/8	10.40	15.48	2.875	73.02	0.362	9.19	NC 31
3 1/2	9.50	14.14	3.500	88.90	0.254	6.45	NC 38
3 1/2	13.30	19.79	3.500	88.90	0.368	9.35	NC 38
3 1/2	15.50	23.07	3.500	88.90	0.449	11.40	NC 38
4	14.00	20.84	4.000	101.60	0.330	8.38	NC 46
4 1/2	13.75	20.46	4.500	114.30	0.271	6.88	NC 50
4 1/2	16.60	24.70	4.500	114.30	0.337	8.56	NC 50
4 1/2	20.00	29.76	4.500	114.30	0.430	10.92	NC 50
<b>Internal - External Upset (IEU)</b>							
4 1/2	16.60	24.70	4.500	114.30	0.337	8.56	NC 46
4 1/2	20.00	29.76	4.500	114.30	0.430	10.92	NC 46
5	19.50	29.04	5.000	127.00	0.362	9.19	NC 50, 5 1/2 FH
5	25.60	38.10	5.000	127.00	0.500	12.70	NC 50, 5 1/2 FH
5 1/2	21.90	32.59	5.500	139.70	0.361	9.17	5 1/2 FH
	24.70	36.76	5.500	139.70	0.415	10.54	5 1/2 FH
6 5/8	25.20	37.50	6.625	168.28	0.330	8.38	6 5/8 FH
	27.70	41.22	6.625	168.28	0.362	9.19	6 5/8 FH

## II) Grade X, G, S

Size (inch)	Nominal Weight		OD		WT		Tool Joint
	(lb / ft)	kg/mtr	inch	mm	inch	mm	
<b>Internal Upset (IU)</b>							
3 1/2	13.30	19.79	3.50	88.90	0.368	9.35	-
4	14.00	20.84	4.00	101.60	0.330	8.38	NC 40
<b>External Upset (EU)</b>							
2 3/8	6.65	9.90	2.375	60.32	0.280	7.11	NC 26
2 7/8	10.40	15.48	2.875	73.02	0.362	9.19	NC 31
3 1/2	13.30	19.79	3.500	88.90	0.368	9.35	NC 38
3 1/2	15.50	23.07	3.500	88.90	0.449	11.40	NC 38 / NC 40
4	14.00	20.84	4.000	101.60	0.330	8.38	NC 46
4 1/2	16.60	24.70	4.500	114.30	0.337	8.56	NC 50
4 1/2	20.00	29.76	4.500	114.30	0.430	10.92	NC 50
<b>Internal - External Upset (IEU)</b>							
4 1/2	16.60	24.70	4.500	114.30	0.337	8.56	NC 46
4 1/2	20.00	29.76	4.500	114.30	0.430	10.92	NC 46
5	19.50	29.02	5.000	127.00	0.362	9.19	NC 50, 5 1/2 FH
5	25.60	38.10	5.000	127.00	0.500	12.70	NC 50, 5 1/2 FH
5 1/2	21.90	32.59	5.500	139.70	0.361	9.17	5 1/2 FH
5 1/2	24.70	36.76	5.500	139.70	0.415	10.54	5 1/2 FH
6 5/8	25.20	37.50	6.625	168.28	0.330	8.38	6 5/8 FH
6 5/8	27.70	41.22	6.625	168.28	0.362	9.19	6 5/8 FH