



PERFIMETAL

S.A. de C.V.

**TUBERÍA DE ACERO AL CARBÓN
DIMENSIONES Y PESO LINEAL**

**STEEL PIPES AND TUBES
DIMENSIONS AND WEIGHTS**

Dimensiones y pesos tubería acero con y sin costura convencionales de acuerdo a fórmula peso específico 7850 kg/m ³							
Nominal Diameter	Diametro Exterior Outside Diameter	Esponsor de Pared Wall thickness		Cédula Schedule/ Designation	Weight	Peso	
<i>in</i>	<i>in</i>	<i>mm</i>	<i>in</i>	<i>mm</i>	<i>Lb/ft</i>	<i>Kg/m</i>	
1/8	0.405	10.3	0.035	0.89	5	0.14	0.21
			0.049	1.24	10	0.19	0.28
			0.068	1.73	40 STD	0.24	0.36
			0.095	2.41	80 XS	0.31	0.47
1/4	0.540	13.7	0.049	1.24	5	0.26	0.38
			0.065	1.65	10	0.33	0.49
			0.088	2.24	40 STD	0.43	0.63
			0.119	3.02	80 XS	0.54	0.80
3/8	0.675	17.1	0.049	1.24	5	0.33	0.49
			0.065	1.65	10	0.42	0.63
			0.091	2.31	40 STD	0.57	0.85
			0.126	3.20	80 XS	0.74	1.10
1/2	0.840	21.3	0.065	1.65	5 5S	0.54	0.80
			0.083	2.11	10 10S	0.67	1.00
			0.109	2.77	40 STD	0.85	1.27
			0.147	3.73	80 XS	1.09	1.62
3/4	1.050	26.7	0.188	4.78	160	1.31	1.95
			0.294	7.47	XXS	1.72	2.55
			0.065	1.65	5 5S	0.68	1.02
			0.083	2.11	10 10S	0.86	1.28
1	1.315	33.4	0.113	2.87	40 STD	1.13	1.68
			0.154	3.91	80 XS	1.48	2.20
			0.219	5.56	160	1.95	2.90
			0.308	7.83	XXS	2.44	3.64
1 1/4	1.660	42.2	0.065	1.65	5 5S	0.87	1.29
			0.109	2.77	10 10S	1.41	2.09
			0.133	3.38	40 STD	1.68	2.50
			0.179	4.55	80 XS	2.17	3.24
1 1/2	1.900	48.3	0.250	6.35	160	2.85	4.24
			0.358	9.09	XXS	3.66	5.45
			0.065	1.65	5 5S	0.87	1.29
			0.109	2.77	10 10S	1.41	2.09
2	2.375	60.3	0.140	3.56	40 STD	2.27	3.39
			0.191	4.85	80 XS	3.00	4.46
			0.250	6.35	160	3.77	5.61
			0.382	9.70	XXS	5.22	7.77
2 1/2	2.875	73.0	0.065	1.65	5 5S	1.28	1.90
			0.109	2.77	10 10S	2.09	3.11
			0.145	3.68	40 STD	2.72	4.05
			0.200	5.08	80 XS	3.63	5.41
3	3.500	88.9	0.281	7.14	160	4.86	7.24
			0.400	10.16	XXS	6.41	9.55
			0.065	1.65	5 5S	1.61	2.39
			0.109	2.77	10 10S	2.64	3.93
3 1/2	4.000	101.6	0.154	3.91	40 STD	3.66	5.44
			0.172	4.37		4.05	6.03
			0.188	4.78		4.40	6.54
			0.218	5.54	80 XS	5.03	7.48
4	4.500	114.3	0.250	6.35		5.68	8.45
			0.281	7.14		6.29	9.36
			0.344	8.74	160	7.47	11.12
			0.436	11.07	XXS	9.04	13.45
4 1/2	5.000	127.0	0.083	2.11	5 5S	0.83	1.23
			0.120	3.05	10 10S	1.25	1.87
			0.156	3.96		1.71	2.56
			0.188	4.78		2.25	3.36
5	5.563	141.3	0.219	5.56	40 STD	2.19	3.29
			0.258	6.55	80 XS	2.95	4.40
			0.281	7.14		3.24	4.88
			0.312	7.92		3.67	5.46
5 1/2	6.000	152.4	0.344	8.74		4.11	6.18
			0.375	9.53	80 XS	4.54	6.76
			0.500	12.70	120	6.13	9.13
			0.625	15.88	160	8.17	12.14
6	6.625	168.3	0.750	19.05	XXS	10.51	15.61
			0.109	2.77	5 5S	1.41	2.09
			0.120	3.05		1.71	2.56
			0.125	3.18		1.85	2.75
6 1/2	7.125	181.1	0.134	3.40	10 10S	1.93	2.87
			0.141	3.58		2.09	3.11
			0.149	3.78		2.21	3.30
			0.156	3.96		2.33	3.48
7	7.625	193.7	0.172	4.37		2.56	3.83
			0.188	4.78		2.77	4.16
			0.203	5.16		2.98	4.45
			0.219	5.56	40 STD	3.24	4.85
7 1/2	8.125	206.5	0.237	6.02		3.53	5.24
			0.250	6.35		3.77	5.61
			0.280	7.11		4.13	6.13
			0.312	7.92		4.54	6.75
8	8.625	219.1	0.344	8.74		5.05	7.47
			0.375	9.53		5.47	8.07
			0.432	10.97	80 XS	6.19	9.20
			0.500	12.70		7.13	10.59
8 1/2	9.125	231.8	0.562	14.27	120	7.98	11.78
			0.625	15.88		8.71	12.84
			0.719	18.26	160	9.79	14.43
			0.750	19.05		10.51	15.61
9	9.750	248.3	0.864	21.95	XXS	12.18	17.87
			0.875	22.23		12.56	18.44
			0.301	7.65	STD	4.13	6.13
			0.500	12.70	XS	7.13	10.59
9 1/2	10.375	265.1	0.875	22.23	XXS	12.56	18.44
			0.105	2.67		1.56	2.33
			0.109	2.77	5 5S	1.41	2.09
			0.120	3.05		1.71	2.56

Dimensiones y pesos tubería acero con y sin costura convencionales de acuerdo a fórmula peso específico 7850 kg/m ³							
Nominal Diameter	Diametro Exterior Outside Diameter	Esponsor de Pared Wall thickness		Cédula Schedule/ Designation	Weight	Peso	
<i>in</i>	<i>in</i>	<i>mm</i>	<i>in</i>	<i>mm</i>	<i>Lb/ft</i>	<i>Kg/m</i>	
1/8	0.405	10.3	0.083	2.11	5 5S	3.48	5.17
			0.120	3.05	10 10S	4.98	7.41
			0.125	3.18		5.18	7.71
			0.156	3.96		6.41	9.54
3/12	4.000	101.6	0.188	4.78		7.66	11.40
			0.226	5.74	40 STD	9.12	13.57
			0.250	6.35		10.02	14.92
			0.281	7.14		11.17	16.63
3/8	0.675	17.1	0.318	8.08	80 XS	12.52	18.63
			0.636	16.15	XXS	22.87	34.04
			0.083	2.11	5 5S	3.92	5.83
			0.120	3.05	10 10S	5.62	8.36
1/2	0.840	21.3	0.125	3.18		5.85	8.70
			0.156	3.96		7.24	10.78
			0.188	4.78		8.67	12.90
			0.219	5.56		10.02	14.92
3/4	1.050	26.7	0.237	6.02	40 STD	10.80	16.07
			0.250	6.35		11.36	16.90
			0.281	7.14	60	12.67	18.86
			0.312	7.92		13.97	20.79
1	1.315	33.4	0.337	8.56	80 XS	15.00	22.32
			0.438	11.13	120	19.02	28.31
			0.531	13.49	160	22.53	33.53
			0.674	17.12	XXS	27.57	41.03
1 1/4	1.660	42.2	0.247	6.27	40 STD	12.55	18.68
			0.355	9.02	80 XS	17.63	26.23
			0.710	18.03	XXS	32.56	48.46
			0.109	2.77	5 5S	6.36	9.46
1 1/2	1.900	48.3	0.125	3.18		7.27	10.81
			0.134	3.40	10 10S	7.78	11.57
			0.156	3.96		9.02	13.42
			0.188	4.78		10.80	16.08
2	2.375	60.3	0.219	5.56		12.51	18.62
			0.258	6.55	40 STD	14.63	21.78
			0.281	7.14		15.87	23.61
			0.312	7.92		17.51	26.06
2 1/2	2.875	73.0	0.344	8.74		19.19	28.56
			0.375	9.53	80 XS	20.80	30.95
			0.500	12.70	120	27.06	40.28
			0.625	15.88	160	32.99	49.10
3	3.500	88.9	0.750	19.05	XXS	38.59	57.43
			0.109	2.77	5 5S	7.59	11.30
			0.120	3.05		8.35	12.42
			0.125	3.18		8.69	12.93
3 1/2	4.000	101.6	0.134	3.40	10 10S	9.30	13.84
			0.141	3.58		9.77	14.55
			0.149	3.78		10.32	15.35
			0.156	3.96		10.79	16.06
4	4.500	114.3	0.172	4.37		11.87	17.66
			0.188	4.78		12.94	19.25
			0.203	5.16		13.94	20.74
			0.219	5.56	40 STD	15.00	22.32
4 1/2	5.000	127.0	0.237	6.02		16.19	24.09
			0.250	6.35		17.04	25.36
			0.280	7.11	40 STD	18.99	28.27
			0.312	7.92		21.06	31.34
5	5.563	141.3	0.344	8.74		23.10	34.38
			0.375	9.53		25.06	37.29
			0.432	10.97	80 XS	28.60	42.56
			0.500	12.70		32.74	48.72
5 1/2	6.000	152.4	0.562	14.27	120	36.43	54.21
			0.625	15.88		40.09	59.66
			0.719	18.26	160	45.40	67.56
			0.750	19.05		47.11	70.10
6	6.625	168.3	0.864	21.95	XXS	53.21	79.19
			0.875	22.23		53.79	80.05
			0.301	7.65	STD	23.57	35.07
			0.500	12.70	XS	38.09	56.68
6 1/2	7.125	181.1	0.875	22.23	XXS	63.14	93.97
			0.105	2.67		9.56	14.23
			0.109	2.77	5 5S	9.92	14.77
			0.120	3.05		10.51	15.61

Dimensiones y pesos tubería acero con y sin costura convencionales de acuerdo a fórmula peso específico 7850 kg/m ³							
Nominal Diameter	Diameter Exterior Outside Diameter	Espesor de Pared Wall thickness		Cédula Schedule/ Designation	Weight	Peso	
in	in	mm	in	mm	Lb/ft	Kg/m	
8	8.625	219.3	0.120	3.05		10.91	16.24
			0.125	3.18		11.36	16.90
			0.134	3.40		12.16	18.10
			0.141	3.58		12.79	19.03
			0.148	3.76	10 10S	13.41	19.96
			0.156	3.96		14.12	21.02
			0.164	4.17		14.83	22.08
			0.172	4.37		15.54	23.13
			0.179	4.55		16.16	24.05
			0.188	4.78		16.96	25.24
			0.203	5.16		18.28	27.20
			0.219	5.56		19.68	29.29
			0.237	6.02		21.25	31.63
			0.250	6.35	20	22.38	33.31
			0.277	7.04	30	24.72	36.79
			0.312	7.92		27.73	41.26
			0.322	8.18	40 STD	28.58	42.54
			0.344	8.74		30.45	45.32
			0.375	9.53		33.07	49.22
			0.406	10.31	60	35.67	53.09
			0.438	11.13		38.34	57.05
			0.500	12.70	80 XS	43.43	64.63
			0.562	14.27		48.44	72.09
			0.594	15.09	100	51.00	75.90
			0.625	15.88		53.45	79.55
			0.719	18.26	120	60.77	90.44
			0.750	19.05		63.14	93.97
			0.812	20.62	140	67.82	100.93
0.875	22.23	XXS	72.50	107.89			
0.906	23.01	160	74.77	111.26			
1.000	25.40		81.52	121.31			
9	9.625	244.5	0.342	8.69	STD	33.94	50.51
			0.500	12.70	XS	48.78	72.59
			0.134	3.40	5 5S	15.21	22.63
			0.141	3.58		15.99	23.80
			0.149	3.78		16.89	25.13
			0.156	3.96		17.67	26.29
			0.165	4.19	10 10S	18.67	27.79
			0.179	4.55		20.23	30.10
			0.188	4.78		21.23	31.59
			0.203	5.16		22.89	34.06
			0.219	5.56		24.66	36.69
			0.250	6.35	20	28.06	41.76
			0.279	7.09		31.23	46.48
			0.307	7.80	30	34.27	51.01
			0.312	7.92		34.82	51.81
			0.322	8.18		35.90	53.42
			0.344	8.74		38.27	56.95
			0.365	9.27	40 STD	40.52	60.31
			0.375	9.53		41.59	61.90
			0.438	11.13		48.29	71.86
			0.500	12.70	60 XS	54.79	81.54
			0.562	14.47		61.21	91.09
			0.594	15.09	80	64.49	95.98
			0.625	15.88		67.65	100.68
			0.719	18.26	100	77.11	114.74
			0.812	20.62		86.27	128.39
			0.844	21.44	120	89.38	133.02
			0.875	22.23		92.38	137.47
0.938	23.83		98.39	146.43			
1.000	25.40	140 XXS	104.24	155.12			
1.125	28.58	160	115.76	172.27			
1.250	31.75		126.95	188.93			
11	11.750	298.5	0.375	9.53	STD	45.60	67.86
			0.500	12.70	XS	60.14	89.49
12	12.750	323.9	0.105	2.67		14.19	21.12
			0.134	3.40		18.07	26.90
			0.156	3.96	5S	21.00	31.26
			0.165	4.19	5	22.20	33.04
			0.172	4.37		23.13	34.42
			0.180	4.57	10 10S	24.19	36.00

Dimensiones y pesos tubería acero con y sin costura convencionales de acuerdo a fórmula peso específico 7850 kg/m ³							
Nominal Diameter	Diameter Exterior Outside Diameter	Espesor de Pared Wall thickness		Cédula Schedule/ Designation	Weight	Peso	
in	in	mm	in	mm	Lb/ft	Kg/m	
12	12.750	323.9	0.188	4.78		25.25	37.57
			0.203	5.16		27.23	40.52
			0.219	5.56		29.34	43.66
			0.237	6.02		31.70	47.18
			0.250	6.35	20	33.41	49.72
			0.281	7.14		37.46	55.74
			0.297	7.54		39.54	58.84
			0.312	7.92		41.49	61.74
			0.330	8.38	30	43.82	65.21
			0.344	8.74		45.62	67.90
			0.375	9.53	STD	49.61	73.83
			0.406	10.31	40	53.58	79.73
			0.438	11.13		57.65	85.80
			0.500	12.70	XS	65.48	97.45
			0.562	14.27	60	73.23	108.98
			0.625	15.88		81.02	120.57
			0.688	17.48	80	88.72	132.03
			0.750	19.05		96.22	143.19
			0.812	20.62		103.63	154.22
			0.844	21.44	100	107.43	159.87
			0.875	22.23		111.08	165.31
			0.938	23.83		118.45	176.27
			1.000	25.40	120 XXS	125.62	186.94
			1.062	26.97		132.70	197.48
			1.125	28.58	140	139.82	208.07
			1.250	31.75		153.68	228.70
			1.312	33.32	160	160.43	238.75
			0.105	2.67		15.60	23.21
0.134	3.40		19.86	29.56			
0.156	3.96	5S	23.09	34.36			
0.164	4.17		24.26	36.10			
0.179	4.55		26.45	39.36			
0.188	4.78	10S	27.76	41.31			
0.203	5.16		29.94	44.56			
0.210	5.33		30.96	46.07			
0.219	5.56		32.27	48.02			
0.250	6.35	10	36.75	54.69			
0.281	7.14		41.21	61.33			
0.312	7.92	20	45.66	67.94			
0.344	8.74		50.22	74.74			
0.375	9.53	30 STD	54.62	81.29			
0.406	10.31		50.00	87.81			
0.438	11.13	40	63.50	94.51			
0.469	11.91		67.84	100.96			
0.500	12.70	XS	72.16	107.39			
0.562	14.27		80.74	120.15			
0.594	15.09	60	85.13	126.69			
0.625	15.88		89.37	132.99			
0.688	17.48		97.91	145.71			
0.750	19.05	80	106.24	158.10			
0.812	20.62		114.48	170.37			
0.875	22.23		122.78	182.71			
0.938	23.83	100	130.99	194.93			
1.000	25.40		138.98	206.83			
1.062	26.97		146.89	218.60			
1.094	27.79	120	150.94	224.63			
1.125	28.58		154.85	230.44			
1.250	31.75	140	170.38	253.56			
1.406	35.71	160	189.30	281.71			
2.000	50.80		256.58	381.83			
2.125	53.98		269.78	401.47			
2.200	55.88	100	277.53	413.01			
2.500	63.50		307.36	457.40			
0.134	3.40		22.73	33.82			
0.165	4.19	5S	27.93	41.57			
0.188	4.78	10S	31.78	47.29			
0.203	5.16		34.28	51.02			
0.250	6.35	10	42.09	62.64			
0.281	7.14		47.22	70.27			
0.312	7.92	20	52.33	77.87			
16	16.000	406.4	0.134	3.40		18.07	26.90
			0.156	3.96	5S	21.00	31.26
			0.165	4.19	5	22.20	33.04
			0.172	4.37		23.13	34.42
			0.180	4.57	10 10S	24.19	36.00

**Dimensiones y pesos tubería acero con y sin costura
convencionales de acuerdo a fórmula peso específico 7850 kg/m³**

Nominal Diameter	Diametero Exterior Outside Diameter	Espeor de Pared Wall thickness	Cédula Schedule/ Designation	Weight	Peso
in	in	mm		Lb/ft	Kg/m
		0.344	8.74	57.58	85.68
		0.375	9.53	62.64	93.22
		0.406	10.31	67.69	100.73
		0.438	11.13	72.87	108.44
		0.469	11.91	77.87	115.98
		0.500	12.70	82.85	123.30
		0.562	14.27	92.75	138.03
		0.625	15.88	102.73	152.88
		0.656	16.66	107.61	160.14
		0.688	17.48	112.62	167.60
		0.750	19.05	122.28	181.97
		0.812	20.62	131.85	196.21
		0.844	21.44	136.75	203.51
		0.875	22.23	141.49	210.55
		0.938	23.83	151.04	224.77
		1.000	25.40	160.36	238.64
		1.031	26.19	164.99	245.53
		1.062	26.97	169.60	252.39
		1.125	28.58	178.90	266.24
		1.188	30.18	188.12	279.96
		1.219	30.96	192.63	286.66
		1.250	31.75	197.11	293.33
		1.438	36.53	223.87	333.15
		1.594	40.49	245.49	365.34
		0.165	4.19	31.46	46.82
		0.188	4.78	35.80	53.28
		0.219	5.56	41.63	61.95
		0.250	6.35	47.44	70.60
		0.281	7.14	53.23	79.21
		0.312	7.92	59.00	87.80
		0.344	8.74	64.93	96.63
		0.375	9.53	70.66	105.15
		0.406	10.31	76.37	113.65
		0.438	11.13	82.24	122.38
		0.469	11.91	87.90	130.81
		0.500	12.70	93.54	139.21
		0.562	14.27	104.77	155.92
		0.625	15.88	116.10	172.77
		0.688	17.48	127.33	189.49
		0.750	19.05	138.31	205.83
		0.812	20.62	149.21	222.05
		0.875	22.23	160.19	238.40
		0.938	23.83	171.10	254.62
		1.000	25.40	181.74	270.46
		1.062	26.97	192.31	286.19
		1.125	28.58	202.96	302.03
		1.156	29.36	208.17	309.79
		1.188	30.18	213.52	317.76
		1.250	31.75	223.84	333.11
		1.375	34.93	244.38	363.68
		1.562	39.67	274.50	408.50
		1.781	45.24	308.81	459.57
		0.188	4.78	39.82	59.26
		0.219	5.56	46.31	68.92
		0.250	6.35	52.79	78.55
		0.281	7.14	59.24	88.16
		0.312	7.92	65.67	97.73
		0.344	8.74	72.29	107.58
		0.375	9.53	78.68	117.09
		0.406	10.31	85.05	126.56
		0.438	11.13	91.60	136.32
		0.469	11.91	97.93	145.73
		0.500	12.70	104.24	155.12
		0.562	14.27	116.79	173.80
		0.594	15.09	123.23	183.39
		0.625	15.88	129.46	192.66
		0.688	17.48	142.04	211.39
		0.750	19.05	154.35	229.70
		0.812	20.62	166.57	247.88
		0.875	22.23	178.90	266.24
		0.938	23.83	191.15	284.47

**Dimensiones y pesos tubería acero con y sin costura
convencionales de acuerdo a fórmula peso específico 7850 kg/m³**

Nominal Diameter	Diametero Exterior Outside Diameter	Espeor de Pared Wall thickness	Cédula Schedule/ Designation	Weight	Peso
in	in	mm		Lb/ft	Kg/m
		1.000	25.40	203.12	302.28
		1.031	26.19	209.08	311.15
		1.062	26.97	215.01	319.98
		1.125	28.58	227.01	337.83
		1.188	30.18	238.92	355.56
		1.250	31.75	250.57	372.88
		1.281	32.54	256.35	381.50
		1.312	33.32	262.12	390.08
		1.375	34.93	273.78	407.44
		1.500	38.10	296.67	441.49
		1.750	44.45	341.44	508.11
		1.969	50.01	379.56	564.84
		0.250	6.35	58.13	86.51
		0.281	7.14	65.25	97.10
		0.312	7.92	72.34	107.66
		0.344	8.74	79.64	118.52
		0.375	9.53	86.70	129.02
		0.406	10.31	93.73	139.48
		0.438	11.13	100.97	150.25
		0.469	11.91	107.96	160.66
		0.500	12.70	114.93	171.03
		0.562	14.27	128.80	191.68
		0.625	15.88	142.82	212.54
		0.688	17.48	156.76	233.28
		0.750	19.05	170.38	253.56
		0.812	20.62	183.93	273.72
		0.875	22.23	197.61	294.08
		0.938	23.83	211.21	314.31
		1.000	25.40	224.51	334.10
		1.062	26.97	237.72	353.77
		1.125	28.58	251.07	373.63
		1.188	30.18	264.33	393.36
		1.250	31.75	277.29	412.66
		1.312	33.32	290.18	431.83
		1.375	34.93	303.18	451.19
		1.438	36.53	316.11	470.42
		1.500	38.10	328.74	489.22
		1.625	41.28	353.97	526.76
		1.875	47.63	403.41	600.34
		2.125	53.98	451.52	671.93
		0.218	5.54	55.43	82.48
		0.250	6.35	63.48	94.46
		0.281	7.14	71.25	106.04
		0.312	7.92	79.01	117.58
		0.344	8.74	87.00	129.47
		0.375	9.53	94.71	140.95
		0.406	10.31	102.41	152.40
		0.438	11.13	110.33	164.19
		0.469	11.91	117.98	175.58
		0.500	12.70	125.62	186.94
		0.562	14.27	140.82	209.56
		0.625	15.88	156.19	232.43
		0.688	17.48	171.47	255.17
		0.750	19.05	186.42	277.42
		0.812	20.62	201.29	299.56
		0.875	22.23	216.32	321.92
		0.938	23.83	231.26	344.16
		0.969	24.61	238.59	355.06
		1.000	25.40	245.89	365.92
		1.062	26.97	260.43	387.56
		1.125	28.58	275.33	409.42
		1.188	30.18	289.73	431.16
		1.219	30.96	296.88	441.81
		1.250	31.75	304.02	452.43
		1.312	33.32	318.23	473.58
		1.375	34.93	332.58	494.94
		1.438	36.53	346.85	516.18
		1.500	38.10	360.81	536.95
		1.531	38.89	367.76	547.29
		1.562	39.67	374.69	557.60
		1.812	46.02	429.82	639.64

**Dimensiones y pesos tubería acero con y sin costura
convencionales de acuerdo a fórmula peso específico 7850 kg/m³**

Nominal Diameter	Diameter Exterior		Espesor de Pared		Cédula Schedule/ Designation	Weight		Peso
	in	mm	in	mm		Lb/ft	Kg/m	
24	24.000	609.6	2.062	52.37	140	483.61	719.69	
			2.343	59.51		160	542.48	807.29
			0.250	6.35	10	68.82	102.42	
			0.281	7.14		77.26	114.98	
			0.312	7.92		85.68	127.51	
			0.344	8.74		94.35	140.41	
			0.375	9.53		STD	102.73	152.88
			0.406	10.31			111.09	165.32
			0.438	11.13		119.70	178.13	
			26	26.000		660.4	0.469	11.91
0.500	12.70	136.31					202.85	
0.562	14.27	152.84					227.45	
0.625	15.88	169.55			252.32			
0.688	17.48	186.18			277.06			
0.750	19.05	202.46			301.29			
0.812	20.62	218.66			325.39			
0.875	22.23	235.03			349.76			
0.938	23.83	251.32			374.01			
1.000	25.40	267.27			397.74			
28	28.000	711.2	0.250	6.35	10	74.17	110.37	
			0.281	7.14		83.27	123.92	
			0.312	7.92		92.35	137.44	
			0.344	8.74		101.71	151.36	
			0.375	9.53		STD	110.75	164.81
			0.406	10.31			119.77	178.24
			0.438	11.13		129.06	192.06	
			0.469	11.91		138.04	205.43	
			0.500	12.70		20 XS	147.00	218.76
			0.562	14.27			164.85	245.33
0.625	15.88	30	182.91	272.20				
0.688	17.48		200.89	298.95				
0.750	19.05	218.49	325.15					
0.812	20.62	236.02	351.23					
0.875	22.23	253.74	377.61					
0.938	23.83	271.38	403.85					
1.000	25.40	288.65	429.56					
30	30.000	762.0	0.250	6.35	5S	79.51	118.33	
			0.281	7.14		89.28	132.86	
			0.312	7.92	10 10S	99.03	147.37	
			0.344	8.74		109.06	162.30	
			0.375	9.53	STD	118.77	176.75	
			0.406	10.31		128.45	191.16	
			0.438	11.13	138.43	206.00		
			0.469	11.91	148.07	220.35		
			0.500	12.70	20 XS	157.69	234.67	
			0.562	14.27		176.87	263.21	
0.625	15.88	30	196.28	292.09				
0.688	17.48		215.60	320.84				
0.750	19.05	234.53	349.02					
0.812	20.62	253.38	377.07					
0.875	22.23	272.45	405.45					
0.938	23.83	291.43	433.70					
1.000	25.40	310.03	461.38					
1.062	26.97	328.55	488.94					
1.125	28.58	347.28	516.81					
1.188	30.18	365.93	544.57					
1.250	31.75	384.20	571.75					
1.375	34.93	420.78	626.19					
1.500	38.10	457.03	680.14					
0.250	6.35	84.86	126.28					
0.281	7.14	95.29	141.80					
0.312	7.92	10	105.70	157.29				
0.344	8.74		116.42	173.25				
0.375	9.53	STD	126.79	188.68				
0.406	10.31		137.13	204.08				
0.438	11.13	147.79	219.94					
0.500	12.70	20 XS	168.38	250.58				
0.562	14.27		188.89	281.09				
0.625	15.88	30	209.64	311.98				
0.688	17.48		230.31	342.74				
0.750	19.05	250.57	372.88					

**Dimensiones y pesos tubería acero con y sin costura
convencionales de acuerdo a fórmula peso específico 7850 kg/m³**

Nominal Diameter	Diameter Exterior		Espesor de Pared		Cédula Schedule/ Designation	Weight		Peso
	in	mm	in	mm		Lb/ft	Kg/m	
32	32.000	812.8	0.812	20.62	10	270.74	402.91	
			0.875	22.23		291.16	433.29	
			0.938	23.83		311.49	463.55	
			1.000	25.40		331.41	493.20	
			1.062	26.97		351.26	522.73	
			1.125	28.58		371.34	552.61	
			1.188	30.18		391.33	582.37	
			1.250	31.75		410.93	611.53	
			0.250	6.35		20 XS	90.20	134.24
			0.281	7.14			101.30	150.74
0.312	7.92	112.37	167.22					
0.344	8.74	123.77	184.20					
0.375	9.53	STD	134.80	200.61				
0.406	10.31		145.81	216.99				
0.438	11.13	157.16	233.87					
0.469	11.91	168.12	250.20					
0.500	12.70	20 XS	179.07	266.49				
0.562	14.27		200.90	298.98				
34	34.000	863.6	0.625	15.88	30	223.00	331.87	
			0.688	17.48		245.02	364.63	
			0.750	19.05	40	266.60	396.75	
			0.812	20.62		288.10	428.74	
			0.875	22.23	309.87	461.13		
			0.938	23.83	331.54	493.39		
			1.000	25.40	352.80	525.02		
			1.062	26.97	373.97	556.52		
			1.125	28.58	395.39	588.41		
			1.188	30.18	416.73	620.17		
1.250	31.75	437.65	651.30					
0.250	6.35	10	95.55	142.19				
0.281	7.14		107.30	159.69				
0.312	7.92		119.04	177.15				
0.344	8.74		131.13	195.14				
0.375	9.53		STD	142.82	212.54			
0.406	10.31			154.49	229.91			
0.438	11.13		166.52	247.81				
0.469	11.91		178.15	265.12				
0.500	12.70		XS	189.76	282.40			
0.562	14.27			212.92	316.86			
0.625	15.88	30	236.37	351.75				
0.688	17.48		259.73	386.52				
0.750	19.05	40	282.64	420.61				
0.812	20.62		305.46	454.58				
0.875	22.23	328.57	488.97					
0.938	23.83	351.60	523.24					
1.000	25.40	374.18	556.84					
1.062	26.97	396.67	590.31					
1.125	28.58	419.45	624.21					
1.188	30.18	442.14	657.97					
1.250	31.75	464.38	691.08					
1.375	34.93	508.98	757.45					
1.500	38.10	553.25	823.32					
0.250	6.35	10	100.89	150.15				
0.312	7.92		125.71	187.08				
0.344	8.74		138.48	206.09				
0.375	9.53		150.84	224.48				
0.406	10.31		163.18	242.83				
0.438	11.13		175.89	261.75				
0.469	11.91		188.18	280.04				
0.500	12.70		200.45	298.31				
0.562	14.27		224.94	334.74				
0.625	15.88		249.73	371.64				
0.688	17.48	274.44	408.41					
0.750	19.05	298.67	444.48					
0.812	20.62	322.83	480.42					
0.875	22.23	347.28	516.81					
0.938	23.83	371.66	553.09					
1.000	25.40	395.56	588.66					
1.062	26.97	419.38	624.11					
1.125	28.58	443.50	660.00					
1.188	30.18	467.54	695.77					

**Dimensiones y pesos tubería acero con y sin costura
convencionales de acuerdo a fórmula peso específico 7850 kg/m³**

Nominal Diameter	Diameter Outside Diameter	Espesor de Pared Wall thickness	Cédula Schedule/ Designation	Weight		Peso	
				Lb/ft	Kg/m	Lb/ft	Kg/m
in	in	mm	in	mm			
38	38.000	965.2		1.250	31.75	491.11	730.85
				0.312	7.92	132.38	197.00
				0.344	8.74	145.84	217.03
				0.375	9.53	158.86	236.41
				0.406	10.31	171.86	255.75
				0.438	11.13	185.25	275.68
				0.469	11.91	198.21	294.97
				0.500	12.70	211.14	314.22
				0.562	14.27	236.95	352.62
				0.625	15.88	263.09	391.53
				0.688	17.48	289.15	430.30
				0.750	19.05	314.71	468.34
				0.812	20.62	340.19	506.26
				0.875	22.23	365.99	544.66
				0.938	23.83	391.71	582.93
40	40.000	1,016.0		1.000	25.40	416.94	620.48
				1.062	26.97	442.09	657.90
				1.125	28.58	467.55	695.80
				1.188	30.18	492.94	733.57
				1.250	31.75	517.84	770.62
				0.250	6.35	111.59	166.06
				0.344	8.74	153.20	227.98
				0.375	9.53	166.88	248.34
				0.406	10.31	180.54	268.67
				0.438	11.13	194.62	289.62
				0.469	11.91	208.24	309.89
				0.500	12.70	221.83	330.13
				0.562	14.27	248.97	370.51
				0.625	15.88	276.46	411.41
				0.688	17.48	303.86	452.19
	0.750	19.05	330.75	492.20			
	0.812	20.62	357.55	532.09			
	0.875	22.23	384.70	572.50			
	0.938	23.83	411.77	612.78			
	1.000	25.40	438.32	652.30			
	1.062	26.97	464.79	691.69			
	1.125	28.58	491.61	731.60			
	1.188	30.18	518.34	771.37			
	1.250	31.75	544.56	810.40			
	1.500	38.10	649.47	966.51			
	0.344	8.74	160.55	238.93			
	0.375	9.53	174.89	260.27			
	0.406	10.31	189.22	281.59			
	0.438	11.13	203.98	303.56			
	0.469	11.91	218.26	324.81			
	0.500	12.70	232.52	346.03			
	0.562	14.27	260.99	388.39			
	0.625	15.88	289.82	431.30			
	0.688	17.48	318.57	474.09			
	0.750	19.05	346.78	516.07			
	0.812	20.62	374.91	557.93			
	0.875	22.23	403.41	600.34			
	0.938	23.83	431.82	642.62			
	1.000	25.40	459.70	684.11			
	1.062	26.97	487.50	725.48			
	1.125	28.58	515.66	767.39			
	1.188	30.18	543.74	809.18			
	1.250	31.75	571.29	850.17			
	0.344	8.74	167.91	249.87			
	0.375	9.53	182.91	272.20			
	0.406	10.31	197.90	294.51			
	0.438	11.13	213.35	317.50			
	0.469	11.91	228.29	339.74			
	0.500	12.70	243.22	361.94			
	0.562	14.27	273.00	406.27			
	0.625	15.88	303.18	451.19			
	0.688	17.48	333.28	495.98			
	0.750	19.05	362.82	539.93			
	0.812	20.62	392.27	583.77			
	0.875	22.23	422.12	628.18			
	0.938	23.83	451.88	672.47			

**Dimensiones y pesos tubería acero con y sin costura
convencionales de acuerdo a fórmula peso específico 7850 kg/m³**

Nominal Diameter	Diameter Outside Diameter	Espesor de Pared Wall thickness	Cédula Schedule/ Designation	Weight		Peso	
				Lb/ft	Kg/m	Lb/ft	Kg/m
in	in	mm	in	mm			
46	46.000	1,168.4		1.000	25.40	481.09	715.93
				1.062	26.97	520.21	759.27
				1.125	28.58	539.72	803.19
				1.188	30.18	569.14	846.98
				1.250	31.75	598.02	889.95
				0.344	8.74	175.26	260.82
				0.375	9.53	190.93	284.14
				0.406	10.31	206.58	307.42
				0.438	11.13	222.71	331.43
				0.469	11.91	238.32	354.66
				0.500	12.70	253.91	377.85
				0.562	14.27	285.02	424.15
				0.625	15.88	316.55	471.07
				0.688	17.48	347.99	517.87
				0.750	19.05	378.85	563.80
48	48.000	1,219.2		0.812	20.62	409.64	609.60
				0.875	22.23	440.83	656.02
				0.938	23.83	471.94	702.32
				1.000	25.40	502.47	747.75
				1.062	26.97	532.92	793.07
				1.125	28.58	563.77	838.99
				1.188	30.18	594.54	884.78
				1.250	31.75	624.74	929.72
				1.500	38.10	745.68	1109.70
				2.000	50.80	983.55	1463.69
				0.375	9.53	206.97	308.00
				0.406	10.31	223.94	333.26
				0.438	11.13	241.44	359.31
				0.469	11.91	258.38	384.50
				0.500	12.70	274.29	409.67
	0.562	14.27	309.05	459.92			
	0.625	15.88	343.27	510.85			
	0.688	17.48	377.41	561.65			
	0.750	19.05	410.93	611.53			
	0.812	20.62	444.36	661.28			
	0.875	22.23	478.25	711.71			
	0.938	23.83	512.05	762.01			
	1.000	25.40	545.23	811.39			
	1.062	26.97	578.33	860.65			
	1.125	28.58	611.88	910.58			
	1.188	30.18	645.35	960.38			
	1.250	31.75	678.20	1009.27			
	0.375	9.53	214.99	319.93			
	0.500	12.70	285.98	425.58			
	0.625	15.88	356.64	530.74			
	0.750	19.05	426.96	635.39			
	1.000	25.40	566.61	843.21			
	0.375	9.53	223.00	331.87			
	0.406	10.31	241.30	359.10			
	0.438	11.13	260.17	387.18			
	0.469	11.91	278.43	414.35			
	0.500	12.70	296.67	441.49			
	0.562	14.27	333.08	495.68			
	0.625	15.88	370.00	550.62			
	0.688	17.48	406.83	605.44			
	0.750	19.05	443.00	659.26			
	0.812	20.62	479.08	712.95			
	0.875	22.23	515.66	767.39			
	0.938	23.83	552.16	821.70			
	1.000	25.40	587.99	875.03			
	1.062	26.97	623.75	928.23			
	1.125	28.58	659.99	982.17			
	1.188	30.18	696.15	1035.98			
	1.250	31.75	731.65	1088.82			
	0.375	9.53	239.04	355.73			
	0.406	10.31	258.67	384.94			
	0.438	11.13	278.90	415.05			
	0.469	11.91	298.49	444.20			
	0.500	12.70	318.05	473.31			
	0.562	14.27	357.12	531.45			
	0.625	15.88	396.73	590.40			

**Dimensiones y pesos tubería acero con y sin costura
convencionales de acuerdo a fórmula peso específico 7850 kg/m³**

Nominal Diameter	Diameter Exterior Outside Diameter	Espesor de Pared Wall thickness		Cédula Schedule/ Designation	Weight				
		in	mm		Lb/ft	Kg/m			
60	60.000	1,524.0	0.688	17.48	436.26	649.22			
			0.750	19.05	475.07	706.98			
			0.812	20.62	513.81	764.63			
			0.875	22.23	553.08	823.08			
			0.938	23.83	592.27	881.40			
			1.000	25.40	630.76	938.67			
			1.062	26.97	669.16	995.82			
			1.125	28.58	708.10	1053.77			
			1.188	30.18	746.95	1111.59			
			1.250	31.75	785.10	1168.36			
			0.375	9.53	255.08	379.59			
			0.406	10.31	276.03	410.77			
			0.438	11.13	297.63	442.93			
			0.469	11.91	318.54	472.04			
			0.500	12.70	339.43	505.13			
64	64.000	1,625.6	0.562	14.27	381.15	567.21			
			0.625	15.88	423.46	630.17			
			0.688	17.48	465.68	693.00			
			0.750	19.05	507.14	754.71			
			0.812	20.62	548.53	816.30			
			0.875	22.23	590.50	878.76			
			0.938	23.83	632.38	941.09			
			1.000	25.40	673.52	1002.31			
			1.062	26.97	714.57	1063.40			
			1.125	28.58	756.21	1125.36			
			1.188	30.18	797.75	1187.19			
			1.250	31.75	838.56	1247.91			
			0.469	11.91	338.60	503.89			
			0.500	12.70	360.81	536.95			
			0.562	14.27	404.20	601.51			
68	68.000	1,727.2	0.625	15.88	449.09	668.32			
			0.688	17.48	493.89	734.99			
			0.750	19.05	537.90	800.49			
			0.812	20.62	581.83	865.87			
			0.875	22.23	626.39	932.17			
			0.938	23.83	670.86	998.35			
			1.000	25.40	714.54	1063.35			
			1.062	26.97	758.14	1128.24			
			1.125	28.58	802.36	1194.04			
			1.188	30.18	846.49	1259.72			
			1.250	31.75	889.84	1324.23			
			0.500	12.70	381.27	567.39			
			0.562	14.27	428.17	637.19			
			0.625	15.88	475.75	707.99			
			72	72.000	1,828.8	0.688	17.48	523.24	778.67
0.750	19.05	569.90				848.10			
0.812	20.62	616.47				917.41			
0.875	22.23	663.72				987.72			
0.938	23.83	710.87				1057.90			
1.062	26.97	803.44				1195.66			
1.125	28.58	850.35				1265.46			
1.188	30.18	897.17				1335.14			
1.250	31.75	943.17				1403.59			
0.500	12.70	402.60				599.13			
0.562	14.27	452.15				672.87			
0.625	15.88	502.41				747.67			
0.688	17.48	552.59				822.35			
76	76.000	1,930.4				0.750	19.05	601.89	895.72
						0.812	20.62	651.11	968.96
			0.875	22.23	701.04	1043.27			
			0.938	23.83	750.89	1117.44			
			1.000	25.40	799.86	1190.32			
			1.062	26.97	848.75	1263.08			
			1.125	28.58	898.34	1336.88			
			1.188	30.18	947.85	1410.56			
			1.250	31.75	996.49	1482.94			
			0.562	14.27	476.12	708.54			
			0.625	15.88	529.07	787.35			
			0.688	17.48	581.94	866.02			
			0.750	19.05	633.89	943.33			
			0.812	20.62	685.75	1020.51			

**Dimensiones y pesos tubería acero con y sin costura
convencionales de acuerdo a fórmula peso específico 7850 kg/m³**

Nominal Diameter	Diameter Exterior Outside Diameter	Espesor de Pared Wall thickness		Cédula Schedule/ Designation	Weight	
		in	mm		Lb/ft	Kg/m
80	80.000	2,032.0	0.875	22.23	738.31	1098.81
			0.938	23.83	790.90	1176.99
			1.000	25.40	842.52	1253.80
			1.062	26.97	894.05	1330.49
			1.125	28.58	946.33	1408.30
			1.188	30.18	998.53	1485.97
			1.250	31.75	1049.81	1562.30

Tabla de conversión de peso

	Kilogramo	Ton. Métr.	Onza	Libra	Ton. Larga	Ton. Corta
Kilogramo	1	0.001	35.27	2.2	0.000984	0.001102
Ton. Métr.	1000	1	35274	2204.62	0.98421	110,231
Onza	0.028349	0.000028	1	0.0625	0.000028	0.000031
Libra	0.45359	0.000454	16	1	0.000446	0.0005
L. Ton	1016.05	101,605	35840	2240	1	1.12
Sh. Ton	907,185	0.90718	32000	2000	0.89286	1

	Metro	Km.	Pulgada	Pie	Milla Terr.
Metro	1	0.001	393701	3.28084	0.006621
Km.	1000	1	39370.1	3280.84	0.62137
Pulgada	0.025399	0.000025	1	0.08333	0.000015
Pie	0.304794	0.000304	12	1	0.000189
Milla Terr.	1609.34	160.934	63360	5280	1

1 lb/ft	=	1.4882 Kg/m
1 Kg/m	=	0.672 Lb/ft

TÉRMINOS CONVENCIONALES

API	American Petroleum Institute
ANSI	American National Standards Institute
ASME	American Society of Mechanical Engineers
ASTM	American Society of Testing Materials
NACE	National Association of Corrosion Engineers
AWWA	American Water Works Association
SSAW	Spiral / helical Seam Submerged Arc Welded pipe
DSAW	Double seam Sumerged Arc Welded pipe
LSAW	Longitudinal seam Submerged Arc Welded pipe (one seam)
ERW - HFI	Electric Resistance Welded High Frequency Induced
EFW	Electric Fusion Welded Tube
SRL	Single random length - Single random pipe length is usually 18 - 25 feet
DRL	Double random length - Double random length pipes are made between 38 - 42 feet'

Fórmula Peso Lineal Tubería Extremos Lisos	Presión Hidrostática (Fórmula Barlow)	
$P = (D - e) * e * 0.02466$	$P(\text{psi}) = \frac{2Se}{D}$	$P(\text{MPa}) = \frac{2Se}{D}$
Donde: P= Peso en Kg/m D= Diámetro exterior en milímetros e= espesor de pared en milímetros	Donde: P= Presión en psi D= Diámetro externo en pulgadas e= espesor de pared en pulgadas S= Limite Elástico (Ys) en psi	Donde: P= Presión en Mpa D= Diámetro externo en milímetros e= espesor de pared en milímetros S= Limite Elástico (Ys) en Mpa



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