

TUBERÍA ACERO AL CARBÓN

DIMENSIONES Y PESO LINEAL

Fórmula peso específico 7850 Kg/m³



TABLA DE DIMENSIONES Y PESOS

Tubería acero con y sin costura convencionales

Fórmula peso específico 7850 Kg/m³



FICHA 01 / 12

Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule / Designation	Peso Weight	
	in	mm	in	mm		Lb/ft	kg/m
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
			0.188	4.78	160	1.31	1.95
			0.294	7.47	XXS	1.72	2.55
3/4	1.050	26.7	0.065	1.65	5 5S	0.68	1.02
			0.083	2.11	10 10S	0.86	1.28
			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	7.82	XXS	2.44	3.64
1	1.315	33.4	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
			0.250	6.35	160	2.85	4.24
			0.358	9.09	XXS	3.66	5.45
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
			0.140	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
1 1/2	1.900	48.3	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
			0.281	7.14	160	4.86	7.24
			0.400	10.16	XXS	6.41	9.55
2	2 375	60.3	0.065	1.65	5 5S	1.61	2.39
			0.109	2.77	10 10S	2.64	3.93
			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
			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
2 1/2	2.875	73.0	0.436	11.07	XXS	9.04	13.45
			0.083	2.11	5 5S	2.48	3.69
			0.120	3.05	10 10S	3.53	5.26
			0.203	5.16	40 STD	5.80	8.63
			0.216	5.49		6.14	9.14
			0.250	6.35		7.02	10.44
			0.276	7.01	80 XS	7.67	11.41
			0.375	9.53	160	10.02	14.92
			0.552	14.02	XXS	13.71	20.40
3	3.500	88.9	0.083	2.11	5 5S	3.03	4.51
			0.120	3.05	10 10S	4.34	6.45
			0.125	3.18		4.51	6.71
			0.156	3.96		5.58	8.30
			0.188	4.78		6.66	9.91
			0.216	5.49	40 STD	7.58	11.29
			0.250	6.35		8.69	12.93
			0.281	7.14		9.67	14.39
			0.300	7.62	80 XS	10.26	15.27

TABLA DE DIMENSIONES Y PESOS

Tubería acero con y sin costura convencionales

Fórmula peso específico 7850 Kg/m³



FICHA 02 / 12

Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule / Designation	Peso Weight	
	in	mm	in	mm		Lb/ft	kg/m
3 1/2	4.000	101.6	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
			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
			0.318	8.08	80 XS	12.52	18.63
			0.636	16.15	XXS	22.87	34.04
4	4.500	114.3	0.083	2.11	5 5S	3.92	5.83
			0.120	3.05	10 10S	5.62	8.36
			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
			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
			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
4 1/2	5.000	127.0	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
5	5.563	141.3	0.109	2.77	5 5S	6.36	9.46
			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
			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
			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
			0.750	19.05	XXS	38.59	57.43
6	6.625	168.3	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
			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
			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		15.00	22.32
			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
			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
			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
			0.864	21.95	XXS	53.21	79.19
			0.875	22.23		53.79	80.05
7	7.625	193.7	0.301	7.65	STD	23.57	35.07
			0.500	12.70	XS	38.09	56.68
			0.875	22.23	XXS	63.14	93.97

TABLA DE DIMENSIONES Y PESOS

Tubería acero con y sin costura convencionales

Fórmula peso específico 7850 Kg/m³



FICHA 03 / 12

Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule / Designation	Peso Weight	
	in	mm	in	mm		Lb/ft	kg/m
8	8.625	219.1	0.105	2.67		9.56	14.23
			0.109	2.77	5 5S	9.92	14.77
			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 10 S	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
10	10.750	273.1	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	14.27		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
11	11.750	298.5	1.125	28.58	160	115.76	172.27
			1.250	31.75		126.95	188.93
			0.375	9.53	STD	45.60	67.86
			0.500	12.70	XS	60.14	89.49

TABLA DE DIMENSIONES Y PESOS

Tubería acero con y sin costura convencionales

Fórmula peso específico 7850 Kg/m³



FICHA 04 / 12

Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule / Designation	Peso Weight	
	in	mm	in	mm		Lb/ft	kg/m
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
			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 XXG	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
14	14.000	355.6	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		59.00	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		277.53	413.01
			2.500	63.50		307.36	457.40

TABLA DE DIMENSIONES Y PESOS

Tubería acero con y sin costura convencionales

Fórmula peso específico 7850 Kg/m³



FICHA 05 / 12

Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule / Designation	Peso Weight	
	in	mm	in	mm		Lb/ft	kg/m
16	16.000	406.4	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
			0.219	5.56		36.95	54.98
			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
			0.344	8.74		57.58	85.68
			0.375	9.53	30 STD	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	115.89
			0.500	12.70	40 XS	82.85	123.30
			0.562	14.27		92.75	138.03
			0.625	15.88		102.73	152.88
			0.656	16.66	60	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	80	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	100	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	120	192.63	286.66
			1.250	31.75		197.11	293.33
			1.438	36.53	140	223.87	333.15
			1.594	40.49	160	245.49	365.34
18	18.000	457.2	0.165	4.19	5S	31.46	46.82
			0.188	4.78	10S	35.80	53.28
			0.219	5.56		41.63	61.95
			0.250	6.35	10	47.44	70.60
			0.281	7.14		53.23	79.21
			0.312	7.92	20	59.00	87.80
			0.344	8.74		64.93	96.63
			0.375	9.53	STD	70.66	105.15
			0.406	10.31		76.37	113.65
			0.438	11.13	30	82.24	122.38
			0.469	11.91		87.90	130.81
			0.500	12.70	XS	93.54	139.21
			0.562	14.27	40	104.77	155.92
			0.625	15.88		116.10	172.77
			0.688	17.48		127.33	189.49
			0.750	19.05	60	138.31	205.83
			0.812	20.62		149.21	222.05
			0.875	22.23		160.19	238.40
			0.938	23.83	80	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
			1.166	29.36	100	208.17	309.79
			1.188	30.18		213.52	317.76
			1.250	31.75		223.84	333.11
			1.375	34.93	120	244.38	363.68
			1.562	39.67	140	274.50	408.50
			1.781	45.24	160	308.81	459.57
20	20.000	508.0	0.188	4.78	5S	39.82	59.26
			0.219	5.56	10S	46.31	68.92
			0.250	6.35	10	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	20 STD	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

TABLA DE DIMENSIONES Y PESOS

Tubería acero con y sin costura convencionales

Fórmula peso específico 7850 Kg/m³



FICHA 06 / 12

Nominal Diameter	Diameter exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule / Designation	Peso Weight	
	in	mm	in	mm		Lb/ft	kg/m
20	20.000	508.0	0.562	14.27		116.79	173.80
			0.594	15.09	40	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	60	166.57	247.88
			0.875	22.23		178.90	266.24
			0.938	23.83		191.15	284.47
			1.000	25.40		203.12	302.28
			1.031	26.19	80	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	100	256.35	381.50
			1.312	33.32		262.12	390.08
			1.375	34.93		273.78	407.44
			1.500	38.10	120	296.67	441.49
			1.750	44.45	140	341.44	508.11
			1.969	50.01	160	379.56	564.84
22	22.000	558.8	0.250	6.35	10	58.13	86.51
			0.281	7.14		65.25	97.10
			0.312	7.92		72.34	107.66
			0.344	8.74	STD	79.64	118.52
			0.375	9.53	20	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	30 XS	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	60	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	80	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	100	303.18	451.19
			1.438	36.53		316.11	470.42
			1.500	38.10		328.74	489.22
			1.625	41.28	120	353.97	526.76
			1.875	47.63	140	403.41	600.34
			2.125	53.98	160	451.52	671.93
24	24.000	609.6	0.218	5.54	5S	55.43	82.48
			0.250	6.35	10	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	20 STD	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	XS	125.62	186.94
			0.562	14.27	30	140.82	209.56
			0.625	15.88		156.19	232.43
			0.688	17.48	40	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	60	238.59	355.06
			1.000	25.40		245.89	365.92
			1.062	26.97		260.43	387.56
			1.125	28.58		275.12	409.42
			1.188	30.18		290.72	431.16

TABLA DE DIMENSIONES Y PESOS

Tubería acero con y sin costura convencionales

Fórmula peso específico 7850 Kg/m³



FICHA 07 / 12

Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule / Designation	Peso Weight	
	in	mm	in	mm		Lb/ft	kg/m
24	24.000	609.6	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	100	367.76	547.29
			1.562	39.67		374.69	557.60
			1.812	46.02	120	429.82	639.64
			2.062	52.37	140	483.61	719.69
			2.343	59.51	160	542.48	807.29
26	26.000	660.4	0.250	6.35		68.82	102.42
			0.281	7.14		77.26	114.98
			0.312	7.92	10	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
			0.469	11.91		128.01	190.50
			0.500	12.70	20 XS	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
28	28.000	711.2	1.000	25.40		267.27	397.74
			0.250	6.35		74.17	110.37
			0.281	7.14		83.27	123.92
			0.312	7.92	10	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
30	30.000	762.0	0.938	23.83		271.38	403.85
			1.000	25.40		288.65	429.56
			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

TABLA DE DIMENSIONES Y PESOS

Tubería acero con y sin costura convencionales

Fórmula peso específico 7850 Kg/m³



FICHA 08 / 12

Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule / Designation	Peso Weight	
	in	mm	in	mm		Lb/ft	kg/m
32	32.000	812.8	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	40	230.31	342.74
			0.750	19.05		250.57	372.88
			0.812	20.62		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
34	34.000	863.6	0.250	6.35		90.20	134.24
			0.281	7.14		101.30	150.74
			0.312	7.92	10	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
			0.625	15.88	30	223.00	331.87
			0.688	17.48	40	245.02	364.63
			0.750	19.05		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
36	36.000	914.4	0.250	6.35		95.55	142.19
			0.281	7.14		107.30	159.69
			0.312	7.92	10	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
38	38.000	965.2	1.375	34.93		508.98	757.45
			1.500	38.10		553.25	823.32
			0.250	6.35		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		175.88	264.75

TABLA DE DIMENSIONES Y PESOS

Tubería acero con y sin costura convencionales

Fórmula peso específico 7850 Kg/m³



FICHA 09 / 12

Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule / Designation	Peso Weight	
in	in	mm	in	mm		Lb/ft	kg/m
38	38.000	965.2	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
1.250	31.75		491.11	730.85			
40	40.000	1,016.0	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
			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			
42	42.000	1,066.8	0.250	6.35		111.59	166.06
			0.344	8.74		153.20	227.98
			0.375	9.53	STD	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	XS	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			
44	44.000	1,117.6	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

TABLA DE DIMENSIONES Y PESOS

Tubería acero con y sin costura convencionales

Fórmula peso específico 7850 Kg/m³



FICHA 10 / 12

Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule / Designation	Peso Weight	
	in	mm	in	mm		Lb/ft	kg/m
46	46.000	1,168.4	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
			1.000	25.40		481.09	715.93
			1.062	26.97		510.21	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
48	48.000	1,219.2	0.344	8.74		175.26	260.82
			0.375	9.53	STD	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	XS	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
			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
52	52.000	1,320.8	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		275.29	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
54	54.000	1,371.6	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
56	56.000	1,422.4	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

TABLA DE DIMENSIONES Y PESOS

Tubería acero con y sin costura convencionales

Fórmula peso específico 7850 Kg/m³



FICHA 11 / 12

Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule / Designation	Peso Weight	
	in	mm	in	mm		Lb/ft	kg/m
56	56.000	1,422.4	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
60	60.000	1,524.0	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
			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
64	64.000	1,625.6	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	474.04
			0.500	12.70		339.43	505.13
			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
68	68.000	1,727.2	0.469	11.91		338.60	503.89
			0.500	12.70		360.81	536.95
			0.562	14.27		404.20	601.51
			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
72	72.000	1,828.8	0.500	12.70		381.27	567.39
			0.562	14.27		428.17	637.19
			0.625	15.88		475.75	707.99
			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

TABLA DE DIMENSIONES Y PESOS

Tubería acero con y sin costura convencionales

Fórmula peso específico 7850 Kg/m³



FICHA 12 / 12

Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule / Designation	Peso Weight	
	in	mm	in	mm		Lb/ft	kg/m
76	76.000	1,930.4	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
			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
80	80.000	2,032.0	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
			0.875	22.23		738.37	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. Mé.	Onza	Libra	Ton. Larga	Ton. Corta
Kilogramo	1	0.001	35.27	2.2	0.000984	0.001102
Ton. Mé.	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
Ton Larga	1016.05	101,605	35840	2240	1	1.12
Ton Corta	907,185	0.90718	32000	2000	0.89286	1

Tabla de conversión de Longitud

	Metro	Km.	Pulgada	Pie	Milla Terrestre
Metro	1	0.001	393701	3.28084	0.000621
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 Terrestre	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 Submerged 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 Lengths; minimum average lengths 17'6" shortest length permissible is 9"
DRL	Double random Lengths; minimum average lengths 35' shortest length permissible is 14'

Fórmula Peso Lineal Tubería Extremos Lisos

$$P=(D-e)*e* 0.02466$$

donde: P = Peso en Kg/m D = Diámetro exterior en milímetros e = Espesor de pared en milímetros

Presión Hidrostática (Fórmula Barlow)

$$P \text{ (psi)} = \frac{2Se}{D}$$

donde: c= espesor de pared en pulgadas P= Presión en psi D= Diámetro externo en pulgadas S= Límite Elástico (Ys) en psi

$$P \text{ (Mpa)} = \frac{2Se}{D}$$

donde: e= espesor de pared en milímetros P= Presión en Mpa D= Diámetro externo en milímetros S= Límite Elástico (Ys) en Mpa