



# Espesores y Dimensiones de Tubería de Acero

**TUBERIA Y PRODUCTOS DEL NORTE, S.A. DE C.V.**

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Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule/ Designation	Peso Weight	
	in	in	mm	in		mm	Lb/ft
1/8	0.405	10.3	0.068	1.73	40STD	0.24	0.36
			0.095	2.41	80 XS	0.31	0.47
1/4	0.540	13.7	0.088	2.24	40STD	0.43	0.63
			0.119	3.02	80 XS	0.54	0.80
3/8	0.675	17.1	0.091	2.31	40STD	0.57	0.85
			0.126	3.20	80 XS	0.74	1.10
1/2	0.840	21.3	0.109	2.77	40STD	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	<b>XXS</b>	1.72	<b>2.55</b>
3/4	1.050	26.7	0.113	2.87	40STD	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	<b>XXS</b>	2.44	3.64
1	1.315	33.4	0.133	3.38	40STD	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	<b>XXS</b>	3.66	5.45
1 1/4	1.660	42.2	0.140	3.56	40STD	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	<b>XXS</b>	5.22	7.77
1 1/2	1.900	48.3	0.145	3.68	40STD	2.72	4.05
			0.200	5.08	<b>80XS</b>	3.63	5.41
			0.281	7.14	160	4.86	7.24
			0.400	10.16	<b>XXS</b>	6.41	9.55
2	2.375	60.3	0.154	3.91	40STD	3.66	5.44
			0.218	<b>5.54</b>	80 XS	5.03	7.48
			0.250	6.35		5.68	8.45
			0.344	8.74	160	7.47	11.12
			0.436	11.07	<b>XXS</b>	9.04	13.45
2 1/2	2.875	73.0	0.203	5.16	40STD	5.80	8.63
			0.276	7.01	80 XS	7.67	11.41
			0.375	9.53	160	10.02	14.92
			0.552	14.02	<b>XXS</b>	13.71	20.40
3	3.500	88.9	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	40STD	7.58	11.29
			0.250	6.35		8.69	12.93
			0.281	7.14		9.67	14.39
			0.300	7.62	80XS	10.26	15.27
			0.438	11.13	160	14.34	21.34
0.600	15.24	<b>XXS</b>	18.60	27.68			

Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule/ Designation	Peso Weight	
	in	in	mm	in		mm	Lb/ft
3 1/2	4.000	101.6	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	40STD	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
4	4.500	114.3	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
			0.237	6.02	40STD	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
4 1/2	5.000	127.0	0.247	6.27	40STD	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	0.156	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	40STD	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
6	6.625	168.3	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	40STD	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
			0.562	14.27	120	36.43	54.21
0.719	18.26	160	45.40	67.56			
0.864	21.95	XXS	53.21	79.19			

Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule/ Designation	Peso Weight	
	in	in	mm	in		mm	Lb/ft
8	8.625	219.1	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	40STD	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			
10	10.750	273.0	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
			0.344	8.74		38.27	56.95
			0.365	9.27	40STD	40.52	60.31
			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
			0.719	18.26	100	77.11	114.74
			0.844	21.44	120	89.38	133.02
			1.000	25.40	140 XXS	104.24	155.12
			1.125	28.58	160	115.76	172.27

Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule/ Designation	Peso Weight	
	in	in	mm	in		mm	Lb/ft
12	12.750	323.8	0.203	5.16		27.23	40.52
			0.219	5.56		29.34	43.66
			0.250	6.35	20	33.41	49.72
			0.281	7.14		37.46	55.74
			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
			0.688	17.48	80	88.72	132.03
			0.750	19.05		96.22	143.19
			0.844	21.44	100	107.43	159.87
			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
			1.312	33.32	160	160.43	238.75
14	14.000	355.6	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	30STD	54.62	81.29
			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
			0.594	15.09	60	85.13	126.69
			0.750	19.05	80	106.24	158.10
			0.938	23.83	100	130.99	194.93
			1.094	27.79	120	150.94	224.63
			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			

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Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule/ Designation	Peso Weight	
	in	in	mm	in		mm	Lb/ft
16	16.000	406.4	0.219	5.56		36.95	54.98
			0.250	6.35	10	42.09	62.64
			<b>0.281</b>	7.14		47.22	70.27
			0.312	7.92	20	52.33	77.87
			0.344	8.74		57.58	<b>85.68</b>
			<b>0.375</b>	<b>9.53</b>	<b>30STD</b>	<b>62.64</b>	<b>93.22</b>
			0.438	11.13		72.87	108.44
			0.469	11.91		77.87	115.89
			0.500	12.70	<b>40XS</b>	82.85	123.30
			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
			0.844	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
			1.219	30.96	120	192.63	286.66
			1.438	36.53	140	223.87	333.15
1.594	40.49	160	245.49	365.34			
18	18.000	457.0	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
			<b>0.375</b>	<b>9.53</b>	<b>STD</b>	<b>70.66</b>	<b>105.15</b>
			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	<b>XS</b>	93.54	139.21
			0.562	14.27	40	104.77	155.92
			0.750	19.05	60	138.31	205.83
			0.938	23.83	80	171.10	254.62
			1.156	29.36	100	208.17	309.79
			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	0.250	6.35	10	52.79	78.55
			0.281	7.14		59.24	88.16
			0.344	8.74		72.29	107.58
			<b>0.375</b>	<b>9.53</b>	<b>20STD</b>	<b>78.68</b>	<b>117.09</b>
			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	30XS	104.24	155.12
			0.562	14.27		116.79	173.80
			0.594	15.09	40	123.23	183.39
			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
			1.031	26.19	80	209.08	311.15
			1.281	32.54	100	256.35	381.50
			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			

Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule/ Designation	Peso Weight	
	in	in	mm	in		mm	Lb/ft
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	30XS	114.93	171.03
			0.562	14.27		128.80	191.68
			0.875	22.23	60	197.61	294.08
			1.125	28.58	80	251.07	373.63
			1.375	34.93	100	303.18	451.19
			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	0.250	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	20STD	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
			0.688	17.48	40	171.47	255.17
			0.750	19.05		186.42	277.42
			0.969	24.61	60	238.59	355.06
			1.219	30.96	80	296.88	441.81
			1.531	38.89	100	367.76	547.29
			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	20XS	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			

Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule/ Designation	Peso Weight	
	in	in	mm	in		mm	Lb/ft
28	28.000	711.2	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	20XS	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			

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Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule/ Designation	Peso Weight	
	in	in	mm	in		mm	Lb/ft
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	20XS	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			

TUPRONS SA

Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule/ Designation	Peso Weight	
	in	in	mm	in		mm	Lb/ft
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			
1.375	34.93		508.98	757.45			
1.500	38.10		553.25	823.32			
38	38.000	965.2	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		175.89	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
			1.250	31.75		491.11	730.85

Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule/ Designation	Peso Weight	
	in	in	mm	in		mm	Lb/ft
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			

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Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule/ Designation	Peso Weight	
	in	in	mm	in		mm	Lb/ft
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			
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			

TUPRONSA

Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule/ Designation	Peso Weight	
	in	in	mm	in		mm	Lb/ft
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
			52	52.000	1,320.8	0.375	9.53
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

Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule/ Designation	Peso Weight	
	in	in	mm	in		mm	Lb/ft
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
			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			
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			

Nominal Diameter	Diametro exterior Outside Diameter		Espesor de pared Wall thickness		Cédula Schedule/ Designation	Peso Weight	
	in	in	mm	in		mm	Lb/ft
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			
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
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. Métr.	Onza	Libra	Ton. Larga	Ton. Corta
		0.001	35.27	2.2	0.000984	0.001102
	1000	1	35274	2204.62	0.98421	110,231
	0.028349	0.000028		0.0625	0.000028	0.000031
	0.45359	0.000454	16		0.000446	0.0005
	1016.05	101,605	35840	2240		1.12
	907,185	0.90718	32000	2000	0.89286	

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

1 Lb/ft = 1.4882 Kg/m

1 Kg/m = 0.672 Lb/ft

Términos Convencionales	
	American Petroleum Institute
	American National Standards Institute
	American Society of Mechanical Engineers
	American Society of Testing Materials
	National Association of Corrosion Engineers
	American Water Works Association
	Spiral / helical Seam Submerged Are Welded pipe
	Double seam Submerged Are Welded pipe
	Longitudinal seam Submerged Are Welded pipe (one seam)
	Electric Resistance Welded High Frequency Induced
	Electric Fusion Welded Tube
	Single random Lengths; minimum average lengths 17'6" shortest length permissible is 9'
	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: e= 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

## TUBERIA Y PRODUCTOS DEL NORTE, S.A. DE C.V.

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