

Diâmetro Nominal	Schedule	D.N. Ext. MM	D.N. Int. MM	Esp. Min. MM	Esp. Nom. MM	Esp. Max. MM
<b>1/8"</b>	10s	10,30	7,82	1,09	1,24	1,39
	STD / 40 / 40s	10,30	6,84	1,51	1,73	1,94
	XS / 80 / 80s	10,30	6,48	2,11	2,41	2,71
<b>1/4"</b>	10s	13,70	10,40	1,44	1,65	1,86
	STD / 40 / 40s	13,70	9,22	1,96	2,24	2,65
	XS / 80 / 80s	13,70	7,66	2,64	3,02	3,39
<b>3/8"</b>	10s	17,10	13,90	1,44	1,65	1,85
	STD / 40 / 40s	17,10	12,48	2,02	2,31	2,59
	XS / 80 / 80s	17,10	10,70	2,80	3,20	3,60
<b>1/2"</b>	5s	21,30	18,00	1,44	1,65	1,85
	10s	21,30	17,00	1,85	2,11	2,37
	STD / 40 / 40s	21,30	15,76	2,42	2,77	3,11
	XS / 80 / 80s	21,30	13,84	3,26	3,73	4,19
	160	21,30	11,78	4,17	4,76	5,35
XXS	21,30	6,36	6,54	7,47	8,40	
<b>3/4"</b>	5s	26,70	23,40	1,44	1,65	1,85
	10s	26,70	22,48	1,85	2,11	2,37
	STD / 40 / 40s	26,70	20,96	2,51	2,87	3,22
	XS / 80 / 80s	26,70	18,88	3,42	3,91	4,39
	160	26,70	15,50	4,87	5,56	6,26
XXS	26,70	11,86	6,84	7,82	8,79	
<b>1"</b>	5s	33,40	30,18	1,45	1,66	1,85
	10s	33,40	27,86	2,42	2,77	3,11
	STD / 40 / 40s	33,40	26,64	2,96	3,38	3,80
	XS / 80 / 80s	33,40	24,30	4,07	4,65	5,11
	160	33,40	20,70	5,57	6,36	7,14
XXS	33,40	15,22	7,95	9,09	10,22	
<b>1.1/4"</b>	5s	42,20	38,90	1,44	1,65	1,86
	10s	42,20	36,66	2,42	2,77	3,12
	STD / 40 / 40s	42,20	35,08	3,12	3,56	4,01
	XS / 80 / 80s	42,20	32,48	4,25	4,86	5,47
	160	42,20	29,50	5,56	6,35	7,14
XXS	42,20	22,80	8,49	9,70	10,91	
<b>1.1/2"</b>	5s	48,30	45,00	1,44	1,65	1,86
	10s	48,30	42,76	2,42	2,77	3,12
	STD / 40 / 40s	48,30	40,94	3,22	3,68	4,14
	XS / 80 / 80s	48,30	38,14	4,45	5,08	5,72
	160	48,30	34,02	6,25	7,14	8,03
XXS	48,30	27,98	8,89	10,16	11,43	
<b>2"</b>	5s	60,30	57,00	1,44	1,65	1,86
	10s	60,30	54,76	2,42	2,77	3,12
	STD / 40 / 40s	60,30	52,48	3,42	3,91	4,40
	XS / 80 / 80s	60,30	49,22	4,85	5,54	6,23
	160	60,30	42,82	7,65	8,74	9,83
XXS	60,30	38,16	9,69	11,07	12,45	
<b>2.1/2"</b>	5s	73,00	68,78	1,85	2,11	2,37
	10s	73,00	66,90	2,67	3,05	3,43
	STD / 40 / 40s	73,00	62,68	4,52	5,16	5,81
	XS / 80 / 80s	73,00	58,98	6,13	7,01	7,89
	160	73,00	53,96	8,33	9,52	10,71
XXS	73,00	44,96	12,27	14,02	15,77	
<b>3"</b>	5s	88,90	84,68	1,85	2,11	2,37
	10s	88,90	82,80	2,67	3,05	3,43
	STD / 40 / 40s	88,90	77,92	4,80	5,49	6,18
	XS / 80 / 80s	88,90	73,66	6,67	7,62	8,57
	160	88,90	66,64	9,74	11,13	12,52
XXS	88,90	58,40	13,34	15,25	17,16	
<b>3.1/2"</b>	5s	101,60	97,38	1,85	2,11	2,37
	10s	101,60	95,5	2,67	3,05	3,43
	STD / 40 / 40s	101,60	90,12	5,02	5,74	6,46
XS / 80 / 80s	101,60	85,44	7,07	8,08	9,09	

Diâmetro Nominal	Schedule	D.N. Ext. MM	D.N. Int. MM	Esp. Min. MM	Esp. Nom. MM	Esp. Max. MM
<b>4"</b>	5s	114,30	110,08	1,85	2,11	2,37
	10s	114,30	108,2	2,67	3,05	3,43
	STD / 40 / 40s	114,30	102,26	5,27	6,02	6,77
	XS / 80 / 80s	114,30	97,18	7,49	8,56	9,63
	120	114,30	92,04	9,74	11,13	12,52
	160	114,30	87,32	11,80	13,49	15,18
	XXS	114,30	80,06	14,98	17,12	19,26
<b>5"</b>	5s	141,30	135,76	2,42	2,77	3,12
	10s	141,30	134,5	2,98	3,4	3,83
	STD / 40 / 40s	141,30	128,18	5,74	6,56	7,38
	XS / 80 / 80s	141,30	122,26	8,33	9,52	10,71
	120	141,30	115,9	11,11	12,7	14,29
	160	141,30	109,54	13,90	15,88	17,87
	XXS	141,30	103,2	16,67	19,05	21,43
<b>6"</b>	5s	168,30	162,76	2,42	2,77	3,12
	10s	168,30	161,50	2,98	3,40	3,83
	STD / 40 / 40s	168,30	154,08	6,22	7,11	8,00
	XS / 80 / 80s	168,30	146,36	9,60	10,97	12,34
	120	168,30	139,76	12,49	14,27	16,05
	160	168,30	131,74	16,00	18,28	20,57
	XXS	168,30	124,38	19,22	21,96	24,71
<b>8"</b>	5s	219,10	213,56	2,42	2,77	3,12
	10s	219,10	211,58	3,29	3,76	4,23
	20	219,10	206,40	5,56	6,35	7,14
	30	219,10	205,02	6,16	7,04	7,92
	STD / 40 / 40s	219,10	202,74	7,16	8,18	9,20
	60	219,10	197,48	9,46	10,81	12,16
	XS / 80 / 80s	219,10	193,70	11,11	12,70	14,29
	100	219,10	188,92	13,20	15,09	16,98
	120	219,10	182,58	15,98	18,26	20,54
	140	219,10	177,86	18,04	20,62	23,20
	XXS	219,10	174,66	19,44	22,22	25,00
	160	219,10	173,08	20,13	23,01	25,89
	<b>10"</b>	5s	273,00	266,20	2,98	3,40
10s		273,00	264,62	3,67	4,19	4,71
20		273,00	260,30	5,56	6,35	7,14
30		273,00	257,40	6,83	7,80	8,78
STD / 40 / 40s		273,00	254,46	8,11	9,27	10,43
XS / 60 / 80s		273,00	247,60	11,11	12,70	14,29
80		273,00	242,82	13,20	15,09	16,98
100		273,00	236,48	15,98	18,26	20,54
120		273,00	230,12	18,76	21,44	24,12
140 / XXS		273,00	222,20	22,23	25,40	28,58
160		273,00	215,82	25,02	28,59	32,16
<b>12"</b>	5s	323,85	315,93	3,47	3,96	4,46
	10s	323,85	314,71	4,00	4,57	5,14
	20	323,85	311,15	5,56	6,35	7,14
	30	323,85	307,09	7,33	8,38	9,43
	STD / 40s	323,85	304,81	8,33	9,52	10,71
	40	323,85	303,23	9,02	10,31	11,60
	XS / 80s	323,85	298,45	11,11	12,70	14,29
	60	323,85	295,31	12,49	14,27	16,05
	80	323,85	289,05	15,23	17,40	19,58
	100	323,85	280,97	18,76	21,44	24,12
	120 / XXS	323,85	273,05	22,23	25,40	28,58
	140	323,85	266,69	25,01	28,58	32,15
	160	323,85	257,21	29,16	33,32	37,49

Diâmetro Nominal	Schedule	D.N. Ext. MM	D.N. Int. MM	Esp. Min. MM	Esp. Nom. MM	Esp. Max. MM	
<b>14"</b>	5s	355,60	347,68	3,47	3,96	4,46	
	10s	355,60	346,06	4,17	4,77	5,37	
	10	355,60	342,90	5,56	6,35	7,14	
	20	355,60	339,76	6,93	7,92	8,91	
	STD / 30	355,60	336,56	8,33	9,52	10,71	
	40	355,60	333,34	9,74	11,13	12,52	
	XS / 80s	355,60	330,20	11,11	12,70	14,29	
	60	355,60	325,42	13,20	15,09	16,98	
	80	355,60	317,50	16,67	19,05	21,43	
	100	355,60	307,94	20,85	23,83	26,81	
	120	355,60	300,02	24,32	27,79	31,26	
	140	355,60	292,10	27,78	31,75	35,72	
	160	355,60	284,18	31,25	35,71	40,17	
	<b>16"</b>	5s	406,40	398,02	3,67	4,19	4,71
10s		406,40	396,86	4,17	4,77	5,37	
10		406,40	393,68	5,57	6,36	7,16	
20		406,40	390,56	6,93	7,92	8,91	
STD / 30		406,40	387,36	8,33	9,52	10,71	
XS / 40		406,40	381,00	11,11	12,70	14,29	
60		406,40	373,28	14,49	16,56	18,63	
80		406,40	363,52	18,76	21,44	24,12	
100		406,40	354,02	22,92	26,19	29,46	
120		406,40	344,48	27,09	30,96	34,83	
140		406,40	333,34	31,96	36,53	41,10	
160		406,40	325,42	35,43	40,49	45,55	
<b>18"</b>		5s	457,20	448,82	3,67	4,19	4,71
		10s	457,20	447,66	4,17	4,77	5,37
	10	457,20	444,48	5,57	6,36	7,16	
	20	457,20	441,36	6,93	7,92	8,91	
	STD	457,20	438,16	8,33	9,52	10,71	
	30	457,20	434,94	9,74	11,13	12,52	
	XS	457,20	431,80	11,11	12,70	14,29	
	40	457,20	428,66	12,49	14,27	16,05	
	60	457,20	419,10	16,67	19,05	21,43	
	80	457,20	409,54	20,85	23,83	26,81	
	100	457,20	398,48	25,69	29,36	33,03	
	120	457,20	387,36	30,56	34,92	39,29	
	140	457,20	377,86	34,71	39,67	44,63	
	160	457,20	364,72	40,46	46,24	52,02	
<b>20"</b>	5s	508,00	498,46	4,17	4,77	5,37	
	10s	508,00	496,92	4,85	5,54	6,23	
	10	508,00	495,30	5,56	6,35	7,14	
	STD / 20	508,00	488,96	8,33	9,52	10,71	
	XS / 30	508,00	482,60	11,11	12,70	14,29	
	40	508,00	477,82	13,20	15,09	16,98	
	60	508,00	466,76	18,04	20,62	23,20	
	80	508,00	455,62	22,92	26,19	29,46	
	100	508,00	442,92	28,47	32,54	36,61	
	120	508,00	431,80	33,34	38,10	42,86	
	140	508,00	419,10	38,89	44,45	50,01	
	160	508,00	407,98	43,76	50,01	56,26	
	<b>22"</b>	5s	558,80	549,26	4,17	4,77	5,37
		10s	558,80	547,52	4,94	5,64	6,35
10		558,80	546,10	5,56	6,35	7,14	
STD / 20		558,80	539,76	8,33	9,52	10,71	
XS / 30		558,80	533,40	11,11	12,70	14,29	
60		558,80	514,36	19,44	22,22	25,00	
80		558,80	501,64	25,01	28,58	32,15	
100		558,80	488,96	30,56	34,92	39,29	
120		558,80	476,24	36,12	41,28	46,44	
140		558,80	463,56	41,67	47,62	53,57	
160		558,80	450,84	47,23	53,98	60,73	

Diâmetro Nominal	Schedule	D.N. Ext. MM	D.N. Int. MM	Esp. Min. MM	Esp. Nom. MM	Esp. Max. MM
<b>24"</b>	STD / 20	609,60	590,56	8,33	9,52	10,71
	XS	609,60	584,20	11,11	12,70	14,29
	30	609,60	581,06	12,49	14,27	16,05
	40	609,60	574,64	15,30	17,48	19,67
	60	609,60	560,38	21,53	24,61	27,69
	80	609,60	547,68	27,09	30,96	34,83
	100	609,60	531,82	34,03	38,89	43,75
	120	609,60	517,56	40,27	46,02	51,77
	140	609,60	504,86	45,82	52,37	58,92
<b>26"</b>	160	609,60	490,52	52,10	59,54	66,98
	10	660,40	644,56	6,93	7,92	8,91
	STD	660,40	641,36	8,33	9,52	10,71
<b>28"</b>	XS / 20	660,40	635,00	11,11	12,70	14,29
	10	711,20	695,36	6,93	7,92	8,91
	STD	711,20	692,16	8,33	9,52	10,71
	XS / 20	711,20	685,80	11,11	12,70	14,29
<b>30"</b>	30	711,20	679,44	13,90	15,88	17,87
	5s	762,00	749,30	5,56	6,35	7,14
	10s / 10	762,00	746,16	6,93	7,92	8,91
	STD	762,00	742,96	8,33	9,52	10,71
	XS / 20	762,00	736,60	11,11	12,70	14,29
<b>32"</b>	30	762,00	730,24	13,90	15,88	17,87
	10	812,80	796,96	6,93	7,92	8,91
	STD	812,80	793,76	8,33	9,52	10,71
	XS / 20	812,80	787,40	11,11	12,70	14,29
	30	812,80	781,04	13,90	15,88	17,87
<b>34"</b>	40	812,80	777,84	15,30	17,48	19,67
	10	863,60	847,76	6,93	7,92	8,91
	STD	863,60	844,56	8,33	9,52	10,71
	XS / 20	863,60	838,20	11,11	12,70	14,29
<b>36"</b>	30	863,60	831,84	13,90	15,88	17,87
	40	863,60	828,64	15,30	17,48	19,67
	10	914,40	898,56	6,93	7,92	8,91
	STD	914,40	895,36	8,33	9,52	10,71
	XS / 20	914,40	889,00	11,11	12,70	14,29
<b>38"</b>	30	914,40	882,64	13,90	15,88	17,87
	40	914,40	876,30	16,67	19,05	21,43
	STD	965,20	946,16	8,33	9,52	10,71
	XS	965,20	939,80	11,11	12,70	14,29
<b>40"</b>	STD	1016,00	996,96	8,33	9,52	10,71
	XS	1016,00	990,60	11,11	12,70	14,29
<b>42"</b>	STD	1066,80	1047,76	8,33	9,52	10,71
	XS	1066,80	1041,40	11,11	12,70	14,29
<b>44"</b>	STD	1117,60	1098,56	8,33	9,52	10,71
	XS	1117,60	1092,20	11,11	12,70	14,29
<b>46"</b>	STD	1168,40	1149,36	8,33	9,52	10,71
	XS	1168,40	1143,00	11,11	12,70	14,29
<b>48"</b>	STD	1219,20	1200,16	8,33	9,52	10,71
	XS	1219,20	1193,80	11,11	12,70	14,29