

### TUBOS MECÂNICOS TREFILADOS

Diâmetro		Esp. Parede	Peso	Diâmetro		Esp. Parede	Peso
Ext.	Int.	mm	kg/mt	Ext.	Int.	mm	kg/mt
32 (32,20)	20	6,20	4,00	50 (50,20)	36	7,30	7,70
32 (32,20)	16	8,30	4,90	50 (50,20)	32	9,50	9,50
36 (36,20)	25	5,70	4,30	50 (50,20)	25	13,10	12,00
36 (36,20)	20	8,30	5,70	56 (56,40)	40	8,80	10,30
36 (36,20)	16	10,40	6,60	56 (56,40)	36	10,80	12,10
40 (40,60)	28	6,40	5,40	56 (56,40)	28	14,80	15,20
40 (40,60)	25	7,90	6,40	63 (63,40)	50	7,20	10,00
40 (40,60)	20	10,60	7,80	63 (63,40)	39	12,70	15,90
45 (45,20)	32	6,70	6,40	63 (63,40)	33	15,50	18,30
45 (45,20)	28	8,80	7,90				
45 (45,20)	22	11,70	9,60				

### TUBOS MECÂNICOS LAMINADOS

Diâmetro		Esp. Parede	Peso	Diâmetro		Esp. Parede	Peso
Ext.	Int.	mm	kg/mt	Ext.	Int.	mm	kg/mt
32 (33,40)	27	4,00	2,90	95 (96,50)	83	8,40	18,30
32 (33,40)	24	6,00	4,10	95 (96,50)	78	10,90	23,00
32 (33,40)	23	6,40	4,30	95 (96,50)	75	12,20	25,40
41 (42,20)	35	4,20	4,20	95 (96,50)	71	14,80	29,80
41 (42,20)	32	6,40	5,70	95 (96,50)	68	16,30	32,20
41 (42,20)	28	8,50	7,10	95 (96,50)	63	19,00	36,30
41 (42,20)	26	9,70	7,80	95 (96,50)	1	20,00	37,70
41 (42,20)	23	11,00	8,50	95 (96,50)	55	23,20	41,90
43 (44,50)	37	5,00	4,90	95 (96,50)	51	25,20	44,30
43 (44,50)	33	7,00	6,50	100 (101,60)	87	8,70	19,90
43 (44,50)	30	8,50	7,50	100 (101,60)	85	10,00	22,60
47 (48,30)	36	7,10	7,20	100 (101,60)	80	12,30	27,10
47 (48,30)	31	10,00	9,40	100 (101,60)	72	16,90	35,30
47 (48,30)	27	12,00	10,70	100 (101,60)	64	20,80	41,40
50 (50,80)	42	5,70	6,30	100 (101,60)	57	24,80	47,00
50 (50,80)	38	7,50	8,00	106 (108,00)	93	9,00	22,00
50 (50,80)	35	9,50	9,70	106 (108,00)	88	11,50	27,40
50 (50,80)	27	13,20	12,20	106 (108,00)	82	14,60	33,60
56 (57,00)	47	6,20	7,80	106 (108,00)	78	17,00	38,10
56 (57,00)	42	9,00	10,70	106 (108,00)	75	18,60	41,00
56 (57,00)	37	11,20	12,60	106 (108,00)	73	19,60	42,70
59 (60,30)	48	7,20	9,40	106 (108,00)	68	22,40	47,30
59 (60,30)	46	8,70	11,10	106 (108,00)	65	23,70	49,30

<b>TUBOS MECÂNICOS LAMINADOS</b>							
Diâmetro		Esp. Parede	Peso	Diâmetro		Esp. Parede	Peso
Ext.	Int.	mm	kg/mt	Ext.	Int.	mm	kg/mt
59 (60,30)	41	11,10	13,50	106 (108,00)	62	25,80	52,30
59 (60,30)	38	12,50	14,70	106 (108,00)	59	27,00	53,90
62 (63,50)	55	5,60	8,00	112 (114,30)	99	9,50	24,60
62 (63,50)	52	7,10	9,90	112 (114,30)	95	11,30	28,70
62 (63,50)	47	9,60	12,80	112 (114,30)	90	14,00	34,60
62 (63,50)	41	12,50	15,70	112 (114,30)	83	17,60	42,00
62 (63,50)	39	14,10	17,20	112 (114,30)	78	20,50	47,40
62 (63,50)	36	15,60	18,40	112 (114,30)	76	21,40	49,00
71 (73,00)	63	6,20	10,20	112 (114,30)	66	26,60	57,50
71 (73,00)	58	8,80	13,90	119 (121,00)	104	10,00	27,40
71 (73,00)	56	9,80	15,30	119 (121,00)	99	12,60	33,70
71 (73,00)	54	11,10	16,90	119 (121,00)	95	15,00	39,20
71 (73,00)	48	14,00	20,40	119 (121,00)	91	17,10	43,80
71 (73,00)	46	15,00	21,50	119 (121,00)	84	20,70	51,20
71 (73,00)	43	17,00	23,50	119 (121,00)	81	22,50	54,70
75 (76,10)	65	6,80	11,60	119 (121,00)	76	25,00	59,20
75 (76,10)	61	9,20	15,20	119 (121,00)	69	29,00	65,80
75 (76,10)	55	12,00	19,00	125 (127,00)	109	10,70	30,70
75 (76,10)	50	14,80	22,40	125 (127,00)	105	12,70	35,80
75 (76,10)	46	16,80	24,60	125 (127,00)	99	15,90	43,60
75 (76,10)	43	18,40	26,20	125 (127,00)	90	20,70	54,30
75 (76,10)	40	20,20	27,80	125 (127,00)	85	23,50	60,00
75 (76,10)	36	22,20	29,50	125 (127,00)	82	25,00	62,90
80 (81,20)	69	7,20	13,10	125 (127,00)	75	29,00	70,10
80 (81,20)	66	9,20	16,30	125 (127,00)	71	31,00	73,40
80 (81,20)	63	10,40	18,20	131 (133,00)	117	10,00	30,30
80 (81,20)	59	12,70	21,50	131 (133,00)	111	13,00	38,50
80 (81,20)	56	14,00	23,20	131 (133,00)	105	15,90	45,90
80 (81,20)	50	17,10	27,00	131 (133,00)	98	19,50	54,60
80 (81,20)	45	19,90	30,10	131 (133,00)	90	23,70	63,90
80 (81,20)	40	23,20	33,20	131 (133,00)	85	27,00	70,60
87 (88,90)	73	9,50	18,60	131 (133,00)	79	30,00	76,20
87 (88,90)	70	10,90	21,00	137 (139,70)	122	10,50	33,50
87 (88,90)	69	11,60	22,10	137 (139,70)	109	17,50	52,70
87 (88,90)	66	13,00	24,30	137 (139,70)	98	23,50	67,30
87 (88,90)	61	15,70	28,30	137 (139,70)	90	27,50	76,10
87 (88,90)	58	17,20	30,40	138 (141,30)	120	12,70	40,30
87 (88,90)	55	19,00	32,80	138 (141,30)	114	15,90	49,20
87 (88,90)	47	23,00	37,40	138 (141,30)	109	18,00	54,70

<b>TUBOS MECÂNICOS LAMINADOS</b>							
Diâmetro		Esp. Parede	Peso	Diâmetro		Esp. Parede	Peso
Ext.	Int.	mm	kg/mt	Ext.	Int.	mm	kg/mt
87 (88,90)	43	25,40	39,80	138 (141,30)	104	21,20	62,80
89 (91,40)	71	11,60	22,80	138 (141,30)	98	24,00	69,40
89 (91,40)	64	15,70	29,30	138 (141,30)	95	26,20	74,40
89 (91,40)	56	22,50	38,20	138 (141,30)	85	31,00	84,30
150 (153,00)	136	10,40	36,60	140 (142,80)	113	17,90	55,10
150 (153,00)	133	12,00	41,70	140 (142,80)	103	23,70	69,90
150 (153,00)	125	16,70	56,10	140 (142,80)	89	31,90	87,20
150 (153,00)	121	19,00	62,80	215 (219,10)	194	15,90	79,70
150 (153,00)	114	22,00	71,10	215 (219,10)	190	18,30	90,60
150 (153,00)	106	26,00	81,40	215 (219,10)	187	20,00	98,20
150 (153,00)	95	32,00	95,50	215 (219,10)	180	23,00	111,20
150 (153,00)	90	37,00	105,80	230 (235,00)	210	15,90	78,60
153 (156,00)	140	10,40	37,30	230 (235,00)	206	18,30	97,80
153 (156,00)	137	12,00	42,60	230 (235,00)	203	20,00	106,00
153 (156,00)	128	16,70	57,40	230 (235,00)	196	23,00	120,20
153 (156,00)	124	19,00	64,20	230 (235,00)	192	25,40	131,30
153 (156,00)	119	22,00	72,70	230 (235,00)	188	27,50	140,70
153 (156,00)	110	27,00	85,90	230 (235,00)	182	31,00	156,00
153 (156,00)	102	32,00	97,90	230 (235,00)	173	36,00	176,70
165 (168,30)	148	12,70	48,70	230 (235,00)	169	38,00	184,60
165 (168,30)	145	14,30	54,30	240 (244,50)	219	15,90	89,60
165 (168,30)	142	15,90	59,80	240 (244,50)	215	18,30	102,10
165 (168,30)	138	18,30	67,70	240 (244,50)	212	20,00	110,70
165 (168,30)	135	20,00	73,10	240 (244,50)	206	23,00	125,60
165 (168,30)	130	22,20	80,00	240 (244,50)	202	25,40	137,20
165 (168,30)	124	25,40	89,50	240 (244,50)	198	27,50	147,20
165 (168,30)	121	27,50	95,50	240 (244,50)	191	31,00	163,20
165 (168,30)	116	30,00	102,30	240 (244,50)	184	35,00	180,80
165 (168,30)	102	39,00	124,40	240 (244,50)	179	38,00	193,50
175 (177,80)	157	12,70	51,70	254 (259,00)	234	15,90	95,30
175 (177,80)	155	14,30	57,70	254 (259,00)	230	18,30	108,60
175 (177,80)	152	15,90	63,50	254 (259,00)	227	20,00	117,90
175 (177,80)	148	18,30	72,00	254 (259,00)	220	23,00	133,90
175 (177,80)	145	20,00	77,80	254 (259,00)	216	25,40	146,30
175 (177,80)	140	22,20	85,20	254 (259,00)	211	28,00	159,50
175 (177,80)	134	25,40	95,50	254 (259,00)	208	30,00	169,40
175 (177,80)	130	27,50	101,90	254 (259,00)	204	32,00	179,10
175 (177,80)	126	30,00	109,30	254 (259,00)	196	36,50	200,30



TUBOS - CONEXÕES E VÁLVULAS

TUBOS MECÂNICOS LAMINADOS							
Diâmetro		Esp. Parede	Peso	Diâmetro		Esp. Parede	Peso
Ext.	Int.	mm	kg/mt	Ext.	Int.	mm	kg/mt
184 (187,70)	167	12,70	54,80	265 (269,90)	245	15,90	99,60
184 (187,70)	165	14,30	61,10	265 (269,90)	241	18,30	113,50
184 (187,70)	162	15,90	67,40	265 (269,90)	238	20,00	123,30
184 (187,70)	158	18,30	76,40	265 (269,90)	231	23,50	142,80
184 (187,70)	155	20,00	82,70	265 (269,90)	227	25,40	153,20
184 (187,70)	150	22,20	90,60	265 (269,90)	222	28,00	167,00
184 (187,70)	144	25,40	101,70	265 (269,90)	219	30,00	177,50
184 (187,70)	140	27,50	108,60	265 (269,90)	215	32,00	187,70
184 (187,70)	136	30,00	116,70	265 (269,90)	207	36,50	210,10
184 (187,70)	132	32,00	122,90	268 (273,00)	248	15,90	100,80
190 (193,70)	173	12,70	56,70	268 (273,00)	244	18,30	114,90
190 (193,70)	174	14,30	63,30	268 (273,00)	241	20,00	124,80
190 (193,70)	168	15,90	69,70	268 (273,00)	234	23,50	144,60
190 (193,70)	164	18,30	79,20	268 (273,00)	230	25,40	155,10
190 (193,70)	161	20,00	85,70	268 (273,00)	226	28,00	169,20
190 (193,70)	156	22,20	93,90	268 (273,00)	222	30,00	179,80
190 (193,70)	150	25,40	105,40	268 (273,00)	218	32,00	190,20
190 (193,70)	146	27,50	112,70	268 (273,00)	210	36,50	212,90
190 (193,70)	142	30,00	121,10	293 (298,50)	270	18,30	126,50
190 (193,70)	138	32,00	127,60	293 (298,50)	267	20,00	137,40
200 (204,00)	174	18,30	83,80	293 (298,50)	260	23,50	159,40
200 (204,00)	171	20,00	90,80	293 (298,50)	256	25,40	171,10
200 (204,00)	166	22,20	99,50	293 (298,50)	251	28,60	190,40
200 (204,00)	161	25,40	111,90	318 (323,80)	296	18,30	137,90
200 (204,00)	157	27,50	119,70	318 (323,80)	293	20,00	149,80
200 (204,00)	152	30,00	128,70	318 (323,80)	285	23,50	174,00
200 (204,00)	148	32,50	137,50	318 (323,80)	282	25,40	186,90
212 (216,30)	187	18,30	89,40	318 (323,80)	276	28,60	208,20
212 (216,30)	184	20,00	96,80	349 (355,60)	328	18,30	152,20
212 (216,30)	179	22,20	106,30	349 (355,60)	325	20,00	165,50
212 (216,30)	173	25,40	119,60	349 (355,60)	317	23,50	192,50
212 (216,30)	170	27,00	126,00	349 (355,60)	314	25,40	206,80
212 (216,30)	165	30,00	137,80				
212 (216,30)	161	32,00	145,40				
212 (216,30)	153	36,40	161,50				

