Tabela de tubos Schedule — NBR 5590 / ASME B36.10M (SCH 40, SCH 80 e demais séries)

Equipe técnica Tubonasa · edição 11/2026 · Pesos do catálogo Tubonasa 2026 — medidos em 158 itens

Tabela completa de tubos de aço carbono da série Schedule (NBR 5590 / ASME B36.10M): 158 combinações de bitola nominal, série (SCH 40, SCH 80, SCH 160, STD, XS, XXS e intermediárias) e parede, com diâmetro externo e interno reais e peso teórico por metro (kg/m) e por barra de 6 m (kg). O número do Schedule define a espessura da parede para cada bitola nominal: quanto maior a série, mais espessa a parede e maior a pressão de trabalho.

Como ler: a bitola nominal é o nome da série (1/2" tem 21,34 mm de diâmetro externo real, não 12,70 mm); o peso por metro é teórico, calculado pela norma a partir do diâmetro externo e da parede — o peso real varia dentro das tolerâncias de fabricação. Unidade de venda: metro linear / barra de 6 m / kg (nunca m²).

#	Bitola	Ø externo (mm)	Ø interno (mm)	Série (Schedule)	Parede (mm)	Peso (kg/m)	Barra 6 m (kg)
1	1/4"	13,72	9,24	STD SCH40	2,24	0,630	3,78
2	1/4"	13,72	7,68	XS SCH80	3,02	0,800	4,80
3	1/4"	13,72	7,12	SCH160	3,30	0,820	4,92
4	3/8"	17,15	12,53	STD SCH40	2,31	0,850	5,10
5	3/8"	17,15	10,75	XS SCH80	3,20	1,100	6,60
6	3/8"	17,15	7,65	SCH160	4,75	1,560	9,36
7	1/2"	21,34	15,80	STD SCH40	2,77	1,250	7,50
8	1/2"	21,34	14,16	XS SCH80	3,73	1,620	9,72
9	1/2"	21,34	11,78	SCH160	4,78	1,950	11,70
10	1/2"	21,34	6,40	XXS	7,47	2,540	15,24
11	3/4"	26,67	20,93	STD SCH40	2,87	1,680	10,08
12	3/4"	26,67	18,85	XS SCH80	3,91	2,190	13,14
13	3/4"	26,67	15,55	SCH160	5,56	2,890	17,34
14	3/4"	26,67	11,03	XXS	7,82	3,630	21,78
15	1"	33,40	26,64	STD SCH40	3,38	2,500	15,00
16	1"	33,40	24,20	XS SCH80	4,55	3,230	19,38
17	1"	33,40	20,68	SCH160	6,36	4,230	25,38
18	1"	33,40	15,22	XXS	9,09	5,450	32,70
19	1.1/4"	42,16	35,04	STD SCH40	3,56	3,380	20,28
20	1.1/4"	42,16	32,46	XS SCH80	4,85	4,460	26,76
21	1.1/4"	42,16	29,46	SCH160	6,35	5,600	33,60
22	1.1/4"	42,16	22,76	XXS	9,70	7,750	46,50
23	1.1/2"	48,26	40,90	STD SCH40	3,68	4,050	24,30
24	1.1/2"	48,26	38,10	XS SCH80	5,08	5,400	32,40
25	1.1/2"	48,26	33,95	SCH160	7,14	7,230	43,38
26	1.1/2"	48,26	27,94	XXS	10,16	9,540	57,24
27	2"	60,32	52,50	STD SCH40	3,91	5,430	32,58
28	2"	60,32	49,24	XS SCH80	5,54	7,470	44,82
29	2"	60,32	42,84	SCH160	8,74	11,100	66,60
30	2"	60,32	38,18	XXS	11,07	13,410	80,46
31	2.1/2"	73,03	62,71	STD SCH40	5,16	8,620	51,72
32	2.1/2"	73,03	59,01	XS SCH80	7,01	11,400	68,40
33	2.1/2"	73,03	53,99	SCH160	9,52	14,900	89,40
34	2.1/2"	73,03	44,99	XXS	14,02	20,370	122,22
35	3"	88,90	77,92	STD SCH40	5,49	11,280	67,68
36	3"	88,90	73,66	XS SCH80	7,62	15,250	91,50
37	3"	88,90	66,64	SCH160	11,13	21,310	127,86
38	3"	88,90	58,42	XXS	15,24	27,650	165,90
39	3.1/2"	101,60	90,12	STD SCH40	5,74	13,560	81,36
40	3.1/2"	101,60	85,44	XS SCH80	8,08	18,600	111,60
41	4"	114,30	102,26	STD SCH40	6,02	16,060	96,36

#	Bitola	Ø externo (mm)	Ø interno (mm)	Série (Schedule)	Parede (mm)	Peso (kg/m)	Barra 6 m (kg)
42	4"	114,30	97,18	XS SCH80	8,56	22,290	133,74
43	4"	114,30	92,04	SCH120	11,13	28,270	169,62
44	4"	114,30	87,32	SCH160	13,49	33,490	200,94
45	4"	114,30	80,06	XXS	17,12	40,980	245,88
46	5"	141,30	128,30	STD SCH40	6,55	21,750	130,50
47	5"	141,30	122,26	XS SCH80	9,52	30,920	185,52
48	5"	141,30	115,90	SCH120	12,70	40,250	241,50
49	5"	141,30	109,54	SCH160	15,88	49,010	294,06
50	5"	141,30	103,20	XXS	19,05	57,360	344,16
51	6"	168,30	155,60	STD	6,35	25,330	151,98
52	6"	168,30	154,08	SCH40	7,11	28,230	169,38
53	6"	168,30	146,36	XS SCH80	10,97	42,510	255,06
54	6"	168,30	139,76	SCH120	14,27	54,150	324,90
55	6"	168,30	131,78	SCH160	18,26	67,480	404,88
56	6"	168,30	124,40	XXS	21,95	79,100	474,60
57	8"	219,07	206,37	SCH20	6,35	33,270	199,62
58	8"	219,07	204,99	SCH30	7,04	36,750	220,50
59	8"	219,07	202,71	STD SCH40	8,18	42,480	254,88
60	8"	219,07	198,45	SCH60	10,31	53,030	318,18
61	8"	219,07	188,89	SCH100	15,09	75,810	454,86
62	8"	219,07	182,55	SCH120	18,26	90,470	542,82
63	8"	219,07	177,63	SCH140	20,62	100,830	604,98
64	8"	219,07	174,63	XXS	22,22	107,760	646,56
65	8"	219,07	173,05	SCH160	23,01	111,140	666,84
66	10"	273,05	260,65	SCH20	6,35	41,740	250,44
67	10"	273,05	257,45	SCH30	7,80	50,950	305,70
68	10"	273,05	254,51	STD SCH40	9,27	60,230	361,38
69	10"	273,05	247,65	SCH60	12,70	81,450	488,70
70	10"	273,05	242,87	XS SCH80	15,09	95,870	575,22
71	10"	273,05	236,53	SCH100	18,26	114,620	687,72
72	10"	273,05	230,17	SCH120	21,44	132,950	797,70
73	10"	273,05	222,25	XXS SCH140	25,40	154,950	929,70
74	10"	273,05	215,91	SCH160	28,57	172,070	1032,42
75	12"	323,84	311,14	SCH20	6,35	49,670	298,02
76	12"	323,84	307,08	SCH30	8,38	65,130	390,78
77	12"	323,84	304,80	STD	9,52	73,750	442,50
78	12"	323,84	303,22	SCH40	10,31	79,640	477,84
79	12"	323,84	298,44	XS	12,70	97,340	584,04
80	12"	323,84	295,30	SCH60	14,27	108,850	653,10
81	12"	323,84	288,90	SCH80	17,47	131,880	791,28
82	12"	323,84	280,96	SCH100	21,44	159,960	959,76
83	12"	323,84	266,70	SCH140	28,57	207,830	1246,98
84	12"	323,84	257,20	SCH160	33,32	238,490	1430,94
85	14"	355,60	339,76	SCH20	7,92	67,870	407,22
86	14"	355,60	336,56	STD SCH30	9,52	81,200	487,20
87	14"	355,60	330,20	XS	12,70	107,270	643,62
88	14"	355,60	325,22	SCH60	15,19	126,560	759,36
89	14"	355,60	317,55	SCH80	19,05	157,920	947,52
90	14"	355,60	307,96	SCH100	23,82	194,700	1168,20
91	14"	355,60	300,02	SCH120	27,79	224,380	1346,28
92	14"	355,60	292,10	SCH140	31,75	253,270	1519,62

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93	14"	355,60	284,18	SCH160	35,71	281,400	1688,40
94	16"	406,40	393,70	SCH10	6,35	62,570	375,42
95	16"	406,40	390,56	SCH20	7,92	77,780	466,68
96	16"	406,40	387,36	STD SCH30	9,52	93,190	559,14
97	16"	406,40	373,08	SCH60	16,66	159,960	959,76
98	16"	406,40	363,52	SCH80	21,44	203,280	1219,68
99	16"	406,40	354,02	SCH100	26,19	245,250	1471,50
100	16"	406,40	333,34	SCH140	36,53	332,780	1996,68
101	16"	406,40	325,42	SCH160	40,49	364,960	2189,76
102	18"	457,20	444,50	SCH10	6,35	70,520	423,12
103	18"	457,20	441,36	SCH20	7,92	87,700	526,20
104	18"	457,20	438,16	STD	9,52	105,040	630,24
105	18"	457,20	434,94	SCH30	11,13	122,240	733,44
106	18"	457,20	431,80	XS	12,70	139,050	834,30
107	18"	457,20	428,66	SCH40	14,27	155,750	934,50
108	18"	457,20	419,10	SCH60	19,05	205,600	1233,60
109	18"	457,20	409,54	SCH80	23,83	254,330	1525,98
110	18"	457,20	398,48	SCH100	29,36	309,440	1856,64
111	18"	457,20	387,36	SCH120	34,92	363,280	2179,68
112	18"	457,20	377,86	SCH140	39,67	408,040	2448,24
113	18"	457,20	366,70	SCH160	45,25	459,050	2754,30
114	20"	508,00	495,30	SCH10	6,35	78,470	470,82
115	20"	508,00	488,95	STD SCH20	9,53	116,970	701,82
116	20"	508,00	482,60	XS SCH30	12,70	154,970	929,82
117	20"	508,00	477,82	SCH40	15,09	183,140	1098,84
118	20"	508,00	466,76	SCH60	20,62	247,827	1486,96
119	20"	508,00	455,62	XXS SCH80	26,19	310,910	1865,46
120	20"	508,00	442,92	SCH100	32,54	381,200	2287,20
121	20"	508,00	431,80	SCH120	38,10	441,060	2646,36
122	20"	508,00	419,10	SCH140	44,45	507,630	3045,78
123	20"	508,00	407,98	SCH160	50,01	564,240	3385,44
124	22"	558,00	546,10	SCH10	6,35	86,410	518,46
125	22"	558,00	539,76	SCH20	9,52	128,880	773,28
126	22"	558,00	533,40	STD SCH30	12,70	171,010	1026,06
127	22"	558,00	527,04	SCH40	15,88	212,310	1273,86
128	22"	558,00	514,16	SCH60	22,22	293,750	1762,50
129	22"	558,00	501,66	SCH80	28,57	373,210	2239,26
130	22"	558,00	488,96	SCH100	34,92	450,690	2704,14
131	22"	558,00	476,26	SCH120	41,27	526,170	3157,02
132	22"	558,00	463,56	SCH140	47,62	599,660	3597,96
133	22"	558,00	450,86	SCH160	53,97	671,150	4026,90
134	24"	609,60	596,90	SCH10	6,35	94,350	566,10
135	24"	609,60	590,56	SCH20	9,52	140,800	844,80
136	24"	609,60	584,20	STD	12,70	186,730	1120,38
137	24"	609,60	581,06	XS SCH30	14,27	209,330	1255,98
138	24"	609,60	574,64	SCH40	17,48	254,880	1529,28
139	24"	609,60	560,38	SCH60	24,61	354,660	2127,96
140	24"	609,60	547,68	SCH80	30,96	441,310	2647,86
141	24"	609,60	531,82	SCH100	38,89	546,840	3281,04
142	24"	609,60	517,56	SCH120	46,02	639,180	3835,08
143	24"	609,60	504,86	SCH140	52,37	719,160	4314,96

#	Bitola	Ø externo (mm)	Ø interno (mm)	Série (Schedule)	Parede (mm)	Peso (kg/m)	Barra 6 m (kg)
144	24"	609,60	490,52	SCH160	59,54	806,740	4840,44
145	26"	660,40	647,70	—	6,35	102,300	613,80
146	26"	660,40	641,40	STD	9,53	152,710	916,26
147	26"	660,40	635,00	XS SCH20	12,70	202,620	1215,72
148	26"	660,40	628,64	—	15,88	252,040	1512,24
149	26"	660,40	625,44	—	17,48	276,750	1660,50
150	26"	660,40	622,30	—	19,05	300,950	1805,70
151	28"	711,20	698,50	—	6,35	110,250	661,50
152	28"	711,20	692,20	STD	9,53	164,630	987,78
153	28"	711,20	685,80	XS SCH20	12,70	218,510	1311,06
154	28"	711,20	679,44	—	15,88	271,900	1631,40
155	28"	711,20	676,24	—	17,48	298,610	1791,66
156	28"	711,20	673,10	—	19,05	324,790	1948,74
157	30"	762,00	749,30	—	6,35	118,190	709,14
158	30"	762,00	743,00	STD	9,53	176,550	1059,30

Pesos teóricos conforme o catálogo Tubonasa. Versão HTML sempre atualizada: https://www.tubonasa.com.br/tabela-tubos-schedule