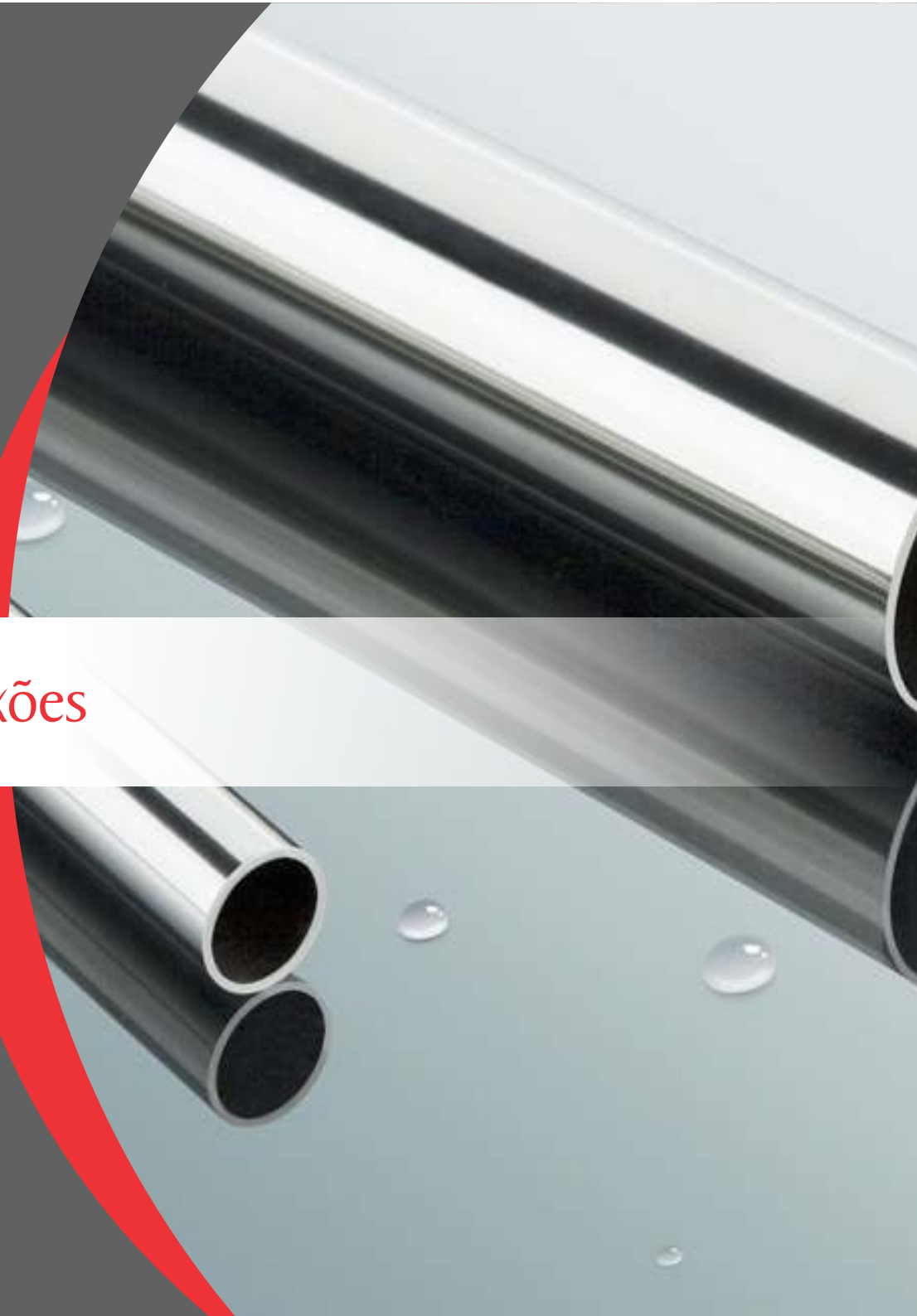


# Tubos

**IMEDIATO** Válvulas e Conexões

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## TUBOS EM INOX COM E SEM COSTURA

### Descrição dos Produtos

EM CONFORMIDADE COM AS NORMAS ANSI B36.10, ANSI B36.19 E DIN 2391.

PARA TUBOS DE DIÂMETRO NOMINAL DE ¼" à 72"  
PARA TUBOS PADRÃO ERMETO DE 4 À 80MM.

NOS SCHEDULES 5s, 10s, 10, 20, 30, 40s, STD, 40, 60, 80s, XS, 80, 100, 120, 140, 160 e  
XXS. E ESPESSURA DE 1,0 À 10,0MM.

TUBOS COM E SEM COSTURA EM AÇO CARBONO, AÇO INOX E LIGAS ESPECIAIS.

NAS LIGAS:

API 5L: GR B, X42, X46, X56, X60, X65, X70.

ASTM A53/A106: GR A, GR B, GR C.

ASME SA335: P2, P5, P9, P11, P12, P22, P91.

ASTM A-312 TP304/304L.

ASTM A-312 TP316/316L.

ASTM A-312 TP317/ TP317L.

ASTM A-312 TP321/ TP321H.

ASTM A-312 TP347/ TP347H.

ASTM A335 / ASTM A213- TP- P5/P11/P12/P22/T9/T91.

OUTRAS LIGAS, DIÂMETROS E ESPESSURA SOB CONSULTA.



## TUBOS EM INOX COM E SEM COSTURA

DIÂMETRO		ESPESSURA DA PAREDE				
NOMINAL	EXTERNO	SCH 5s.	SCH 10s.	SCH 40s.	SCH 80s.	SCH 160S.
1/8"	10.29	-	1.24	1.73	2.41	-
1/4"	13.72	-	1.65	2.24	3.02	3.30
3/8"	17.15	-	1.65	2.31	3.20	4.75
1/2"	21.30	1.65	2.11	2.77	3.73	4.78
3/4"	26.70	1.65	2.11	2.87	3.91	5.56
1"	33.40	1.65	2.77	3.38	4.55	6.36
1.1/4"	42.20	1.65	2.77	3.56	4.85	6.35
1.1/2"	48.30	1.65	2.77	3.68	5.08	7.14
2"	60.30	1.65	2.77	3.91	5.54	8.74
2.1/2"	73.00	2.11	3.05	4.16	7.01	9.52
3"	88.90	2.11	3.05	5.49	7.62	11.13
3.1/2"	101.60	2.11	3.05	5.74	8.08	-
4"	114.30	2.11	3.05	6.02	8.56	13.49
5"	141.30	2.77	3.40	6.55	9.53	15.88
6"	168.30	2.77	3.40	7.11	10.97	18.26
8"	219.10	2.77	3.76	8.18	12.70	23.01
10"	273.10	3.40	4.19	9.27	12.70	28.57
12"	323.90	3.96	4.57	9.53	12.70	33.32
14"	355.60	3.96	4.78			
16"	406.40	4.20	4.78			
18"	457.20	4.20	4.78			
20"	508.00	4.78	5.54			
22"	558.80	4.78	6.35			
24"	609.60	5.54	6.35			

Dimensões em mm.

## TUBOS EM INOX PADRÃO OD

DIÂMETRO		ESPESSURA DA PAREDE (MM) X PESO POR METRO (KG/M)						
Polegadas	MM.	1.00	1.20	1.24	1.50	2.00	2.50	3.00
1/4"	6.35	0.13	-	0.15	-	-	-	-
3/8"	9.53	0.21	0.25	0.25	-	-	-	-
1/2"	12.70	0.29	0.34	0.35	0.41	0.54	-	-
5/8"	15.87	0.37	0.44	0.45	0.53	0.69	-	-
3/4"	19.05	0.45	0.53	0.55	0.65	0.84	-	-
7/8"	22.22	0.53	0.63	-	0.78	1.01	-	-
1"	25.40	0.60	0.72	-	0.88	1.15	1.41	1.68
1.1/4"	31.75	0.76	0.90	-	1.12	1.47	1.80	2.16
1.1/2"	38.10	0.91	1.09	-	1.35	1.78	2.19	2.60
1.3/4"	44.45	-	-	-	1.61	2.13	-	-
2"	50.80	1.23	1.47	-	1.82	2.41	2.98	3.54
2.1/2"	63.50	1.54	1.84	-	2.29	3.03	3.76	4.48
3"	76.20	1.85	2.22	-	2.76	3.66	4.54	5.42
4"	101.60	-	2.97	-	3.70	4.91	6.11	7.29
5"	127.00	-	-	-	4.79	6.16	7.68	9.17
6"	152.40	-	-	-	5.75	7.42	9.24	11.05
8"	203.20	-	-	-	-	9.92	12.37	14.81
10"	254.00	-	-	-	-	12.43	15.50	18.57
12"	304.80	-	-	-	-	14.93	18.64	22.33

Dimensões em mm.

### TUBOS DE AÇO TREFILADO SEM COSTURA

TUBOS EM AÇO CARBONO PADRÃO OD								
DN EXTERNO	DN INTERNO	PAREDE	PRESSAO - ( BAR )		DN EXTERNO	DN INTERNO	PAREDE	PRESSAO - ( BAR )
6,0 mm	3,0 mm	1,5 mm	0 a 500		22,0 mm	17,0 mm	2,5 mm	0 a 227
6,0 mm	4,0 mm	1,0 mm	0 a 333		22,0 mm	18,0 mm	2,0 mm	0 a 181
6,4 mm	3,4 mm	1,5 mm	0 a 468		25,0 mm	17,5 mm	3,75 mm	0 a 300
6,4 mm	4,2 mm	1,1 mm	0 a 343		25,0 mm	19,0 mm	3,0 mm	0 a 240
8,0 mm	5,0 mm	1,5 mm	0 a 375		25,0 mm	21,0 mm	2,0 mm	0 a 160
8,0 mm	6,0 mm	1,0 mm	0 a 250		25,4 mm	17,5 mm	3,75 mm	0 a 311
9,5 mm	5,5 mm	2,0 mm	0 a 421		25,4 mm	19,0 mm	3,0 mm	0 a 236
9,5 mm	6,3 mm	1,6 mm	0 a 336		25,4 mm	21,0 mm	2,0 mm	0 a 157
10,0 mm	6,0 mm	2,0 mm	0 a 400		28,0 mm	19,0 mm	4,5 mm	0 a 321
10,0 mm	7,0 mm	1,5 mm	0 a 300		28,0 mm	22,0 mm	3,0 mm	0 a 214
12,0 mm	6,0 mm	2,0 mm	0 a 333		28,0 mm	24,0 mm	2,0 mm	0 a 142
12,0 mm	9,0 mm	1,5 mm	0 a 250		30,0 mm	21,0 mm	4,5 mm	0 a 300
12,7 mm	6,7 mm	2,0 mm	0 a 312		30,0 mm	24,0 mm	3,0 mm	0 a 200
12,7 mm	9,7 mm	1,5 mm	0 a 314		30,0 mm	25,0 mm	2,5 mm	0 a 166
14,0 mm	10,0 mm	2,0 mm	0 a 285		32,0 mm	22,0 mm	5,0 mm	0 a 312
14,0 mm	11,0 mm	1,5 mm	0 a 214		32,0 mm	24,0 mm	4,0 mm	0 a 250
15,0 mm	11,0 mm	2,0 mm	0 a 266		32,0 mm	27,0 mm	2,5 mm	0 a 156
15,0 mm	12,0 mm	1,5 mm	0 a 200		35,0 mm	24,0 mm	5,5 mm	0 a 314
16,0 mm	11,0 mm	2,5 mm	0 a 312		35,0 mm	27,0 mm	4,0 mm	0 a 228
16,0 mm	13,0 mm	1,5 mm	0 a 187		35,0 mm	30,0 mm	2,5 mm	0 a 142
18,0 mm	13,0 mm	2,5 mm	0 a 277		38,0 mm	26,0 mm	6,0 mm	0 a 315
18,0 mm	15,0 mm	1,5 mm	0 a 166		38,0 mm	30,0 mm	4,0 mm	0 a 210
19,0 mm	14,0 mm	2,5 mm	0 a 263		38,0 mm	32,0 mm	3,0 mm	0 a 157
19,0 mm	16,0 mm	1,5 mm	0 a 157		42,0 mm	29,0 mm	6,5 mm	0 a 300
20,0 mm	14,0 mm	3,0 mm	0 a 300		42,0 mm	34,0 mm	4,0 mm	0 a 190
20,0 mm	16,0 mm	2,0 mm	0 a 200		42,0 mm	38,0 mm	2,0 mm	0 a 95
	BARRAS COM PADRÃO DE 6 MT							

## TUBOS DE AÇO TREFILADO SEM COSTURA

TUBOS EM AINOX PADRÃO OD SEM COSTURA				TUBOS EM AINOX PADRÃO OD COM COSTURA			
DN EXTERNO	DN INTERNO	PAREDE	PRESSAO - ( BAR )	DN EXTERNO	DN INTERNO	PAREDE	PRESSAO - ( BAR )
6,0 mm	4,0 mm	1,0 mm	0 a 410	6,0 mm	4,0 mm	1,0 mm	0 a 410
6,4 mm	4,4 mm	1,0 mm	0 a 390	6,4 mm	4,4 mm	1,0 mm	0 a 390
8,0 mm	6,0 mm	1,0 mm	0 a 300	8,0 mm	6,0 mm	1,0 mm	0 a 300
9,5 mm	7,5 mm	1,0 mm	0 a 260	9,5 mm	7,5 mm	1,0 mm	0 a 260
10,0 mm	8,0 mm	1,0 mm	0 a 250	10,0 mm	8,0 mm	1,0 mm	0 a 250
12,0 mm	9,5 mm	1,25 mm	0 a 250	12,0 mm	9,5 mm	1,25 mm	0 a 250
12,7 mm	9,7 mm	1,5 mm	0 a 300	12,7 mm	9,7 mm	1,5 mm	0 a 300
16,0 mm	12,5 mm	1,75 mm	0 a 270	16,0 mm	12,5 mm	1,75 mm	0 a 270