



TENAX
AÇOS ESPECIAIS

TUBOS DE CONDUÇÃO NBR 5590 (ASTM A106, API-5L, A53)

Diâmetro							Diâmetro							Diâmetro																									
Nominal	Ext.	Int.	Espessura de Parede		Peso	Denom.	Schedule n°	Nominal	Ext.	Int.	Espessura de Parede		Peso	Denom.	Schedule n°	Nominal	Ext.	Int.	Espessura de Parede		Peso	Denom.	Schedule n°																
pol.	mm	mm	mm	mm	Kg/m			pol.	mm	mm	mm	mm	Kg/m			pol.	mm	mm	mm	mm	Kg/m																		
1/4"	13,72	9,24	2,24	0,63	STD	40	10"	273,05	260,35	6,35	41,74	-	20	22"	558,80	533,40	12,70	182,32	XS	30	24"	609,60	507,60	15,88	212,31	-	40												
		7,62	3,02	0,80	XS	80			257,45	7,80	50,95	-	30			514,36	22,22	293,75	-	60			584,20	12,70	186,73	XS	-	30											
		7,12	3,30	0,82	-	160			254,51	9,27	60,23	STD	40			501,66	28,57	373,21	-	80			574,64	17,48	254,88	-	40	547,68	30,96	441,31	-	60							
3/8"	17,15	12,53	2,31	0,85	STD	40	12"	323,84	247,65	12,70	81,45	XS	60	26"	660,40	476,26	41,27	526,17	-	120	28"	711,20	692,20	9,53	164,63	STD	-	30"	762,00	736,60	12,70	234,40	XS	20					
		10,75	3,20	1,10	XS	80			242,87	15,09	95,87	-	80			488,96	34,92	450,69	-	100			730,24	15,88	321,77	-	-			736,60	12,70	234,40	XS	20					
		7,65	4,75	1,56	-	160			236,53	18,26	114,62	-	100			476,26	41,27	526,17	-	120			717,84	17,48	298,61	-	-			727,04	17,48	320,49	-	-					
1/2"	21,34	15,80	2,77	1,25	STD	40	14"	355,60	230,17	21,44	132,86	-	120	32"	812,80	625,44	17,48	276,75	-	-	34"	863,60	831,84	15,88	331,50	-	40	36"	914,40	876,30	19,05	420,14	-	-					
		14,16	3,73	1,62	XS	80			222,25	25,40	154,95	XXS	140			450,86	53,97	671,15	-	160			800,10	6,35	126,14	-	-			828,64	17,48	364,22	-	-	876,30	19,05	420,14	-	-
		11,78	4,78	1,95	-	160			215,91	28,57	172,07	-	160			450,86	53,97	671,15	-	160			793,80	9,53	188,47	STD	-			825,50	19,05	396,74	-	-	876,30	19,05	420,14	-	-
3/4"	26,67	6,40	7,47	2,54	XXS	-	16"	406,40	311,14	6,35	49,67	-	20	36"	914,40	882,64	15,88	351,36	-	30	38"	965,20	939,80	12,70	297,97	XS	-	40"	1016,00	997,00	9,53	236,15	STD	-					
		20,93	2,87	1,68	STD	40			307,08	8,38	65,13	-	30			584,20	12,70	186,73	XS	-			933,44	15,88	371,23	-	-			997,00	9,53	236,15	STD	-					
		18,85	3,91	2,19	XS	80			304,80	9,52	73,75	STD	-			40	584,20	12,70	186,73	XS			-	933,44	15,88	371,23	-			-	997,00	9,53	236,15	STD	-				
1"	33,40	15,55	5,56	2,89	-	160	18"	457,20	303,22	10,31	79,64	-	40	38"	965,20	933,44	15,88	371,23	-	-	40"	1016,00	997,00	9,53	236,15	STD	-												
		11,03	7,82	3,63	XXS	-			298,44	12,70	97,34	XS	-			60	800,10	6,35	126,14	-			-	997,00	9,53	236,15	STD	-											
		26,64	3,38	2,50	STD	40			295,30	14,27	108,85	-	60			800,10	6,35	126,14	-	-			997,00	9,53	236,15	STD	-												
1 1/4"	42,16	24,30	4,55	3,23	XS	80	20"	508,00	288,90	17,47	131,88	-	80	40"	1016,00	997,00	9,53	236,15	STD	-	42"	1067,00	1041,06	12,70	313,86	XS	-												
		20,68	6,36	4,23	-	160			280,96	21,44	159,69	-	100			800,10	6,35	126,14	-	-			1000,30	6,35	151,29	-	-	1041,06	12,70	313,86	XS	-							
		15,22	9,09	5,45	XXS	-			273,04	25,40	186,73	XXS	120			800,10	6,35	126,14	-	-			1000,30	6,35	151,29	-	-	1041,06	12,70	313,86	XS	-							
1 1/2"	48,26	35,04	3,56	3,38	STD	40	22"	558,80	266,70	28,57	207,83	-	140	42"	1067,00	1041,06	12,70	313,86	XS	-	44"	1118,00	1091,06	12,70	327,97	-	-												
		32,46	4,85	4,46	XS	80			257,20	33,32	238,49	-	160			800,10	6,35	126,14	-	-			1091,06	12,70	327,97	-	-												
		29,46	6,35	5,60	-	160			342,90	6,35	54,68	-	10			800,10	6,35	126,14	-	-			1091,06	12,70	327,97	-	-												
2"	60,32	22,76	9,70	7,75	XXS	-	24"	609,60	344,94	5,33	46,02	-	10	44"	1118,00	1091,06	12,70	327,97	-	-	46"	1169,00	1149,06	12,70	342,07	-	-												
		40,90	3,68	4,05	STD	40			344,94	5,33	46,02	-	10			800,10	6,35	126,14	-	-			1149,06	12,70	342,07	-	-												
		38,10	5,08	5,40	XS	80			339,76	7,92	67,87	-	20			800,10	6,35	126,14	-	-			1149,06	12,70	342,07	-	-												
2 1/2"	73,03	33,98	7,14	7,23	-	160	26"	660,40	336,56	9,52	81,20	STD	30	46"	1169,00	1149,06	12,70	342,07	-	-	48"	1220,00	1200,06	12,70	356,17	-	-												
		27,94	10,16	9,54	XXS	-			334,34	11,13	94,40	-	40			800,10	6,35	126,14	-	-			1200,06	12,70	356,17	-	-												
		52,50	3,91	5,43	STD	40			330,20	12,70	107,27	XS	-			60	800,10	6,35	126,14	-			-	1200,06	12,70	356,17	-	-											
3"	88,90	49,24	5,54	7,47	XS	80	28"	711,20	317,55	19,05	125,92	-	80	48"	1220,00	1200,06	12,70	356,17	-	-	50"	1271,00	1251,06	12,70	370,27	-	-												
		42,84	8,74	11,10	-	160			307,96	23,82	194,70	-	100			800,10	6,35	126,14	-	-			1251,06	12,70	370,27	-	-												
		38,18	11,07	13,41	XXS	-			300,02	27,79	224,38	-	120			800,10	6,35	126,14	-	-			1251,06	12,70	370,27	-	-												
3 1/2"	101,60	62,71	5,16	8,62	STD	40	30"	762,00	292,10	31,75	253,27	-	140	50"	1271,00	1251,06	12,70	370,27	-	-	52"	1322,00	1302,06	12,70	384,37	-	-												
		59,01	7,01	11,40	XS	80			284,18	35,71	281,40	-	160			800,10	6,35	126,14	-	-			1302,06	12,70	384,37	-	-												
		53,99	9,52	14,90	-	160			393,70	6,35	62,57	-	10			800,10	6,35	126,14	-	-			1302,06	12,70	384,37	-	-												
4"	114,30	44,99	14,02	20,37	XXS	-	32"	812,80	390,56	7,92	77,78	-	20	52"	1322,00	1302,06	12,70	384,37	-	-	54"	1373,00	1353,06	12,70	398,47	-	-												
		77,92	5,49	11,28	STD	40			387,36	9,52	93,16	STD	30			800,10	6,35	126,14	-	-			1353,06	12,70	398,47	-	-												
		73,66	7,62	15,25	XS	80			381,00	12,70	123,16	XS	40			800,10	6,35	126,14	-	-			1353,06	12,70	398,47	-	-												
5"	141,30	66,64	11,13	21,31	-	160	34"	863,60	373,08	16,70	159,96	-	60	54"	1373,00	1353,06	12,70	398,47	-	-	56"	1424,00	1404,06	12,70	412,57	-	-												
		58,42	15,24	27,65	XXS	-			363,52	21,44	203,28	-	80			800,10	6,35	126,14	-	-			1404,06	12,70	412,57	-	-												
		90,12	5,74	13,56	STD	40			354,02	26,19	245,25	-	100			800,10	6,35	126,14	-	-			1404,06	12,70	412,57	-	-												
6"	168,30	85,44	8,08	18,60	XS	80	36"	914,40	344,48	30,96	286,34	-	120	56"	1424,00	1404,06	12,70	412,57	-	-	58"	1475,00	1455,06	12,70	426,67	-	-												
		102,26	6,02	16,06	STD	40			333,34	36,53	332,78	-	140			800,10	6,35	126,14	-	-			1455,06	12,70	426,67	-	-												
		97,18	8,56	22,29	XS	80			325,42	40,49	364,93	-	160			800,10	6,35	126,14	-	-			1455,06	12,70	426,67	-	-												
7"	185,30	92,40	11,13	28,27	-	120	38"	965,20	444,50	6,35	70,52	-	10	58"	1475,00	1455,06	12,70	426,67	-	-	60"	1526,00	1506,06	12,70	440,77	-	-												
		87,32	13,49	33,49	-	160			441,36	7,92	87,70	-	20			800,10	6,35	126,14	-	-			1506,06	12,70	440,77	-	-												
		80,06	17,12	40,98	XXS	-			438,16	9,52	105,04	STD	-			40	800,10	6,35	126,14	-			-	1506,06	12,70	440,77	-	-											
8"	219,07	128,30	6,55	21,75	STD	40	40"	1016,00	434,94	11,13	122,24	-	30	60"	1526,00	1506,06	12,70	440,77	-	-	62"	1577,00	1557,06	12,70	454,87	-	-												
		122,26	9,52	30,92	XS	80			431,80	12,70	139,05	XS	-			60	800,10	6,35																					