TUBOS DE ACERO CON COSTURA

TABLA DE PESOS TEORICOS (Kg x metro)

IRAM GESTION DE LA CALIDAD IR 9000-9000

SIDERSA — CENTRO DE SOLUCIONES PARA LA INDUSTRIA

Tubos Redondos		Cuadrado	Rectan-gular	ESPESOR EN MILIMETROS																						
Pulgadas	mm			0.50	0.55	0.65	0.70	0.80	0.90	1.00	1.10	1.25	1.40	1.50	1.60	1.80	2.00	2.50	2.85	3.20	4.00	4.75	5.15	5.50	6.35	7.11	8.00
3/8"	9.53			0.111	0.122	0.142	0.152	0.172	0.192																		
1/2"	12.70			0.150	0.166	0.193	0.21	0.235	0.26	0.289	0.315	0.35															
		10x10				0.182	0.195	0.218	0.241	0.262	0.283	0.312															
5/8"	15.87			0.190	0.208	0.244	0.26	0.297	0.33	0.367	0.401	0.45	0.500	0.532	0.56												
		12x12				0.223	0.238	0.268	0.297	0.325	0.352	0.390	0.426	0.449	0.471												
3/4"	19.05			0.229	0.251	0.295	0.32	0.360	0.40	0.445	0.487	0.55	0.609	0.649	0.69												
		15x15				0.284	0.304	0.344	0.382	0.419	0.456	0.508	0.558	0.590	0.621												
			10x20																								
7/8"	22.23					0.346	0.372	0.423	0.473	0.524	0.573	0.647	0.719	0.767	0.814	0.907	0.998										
			15x20			0.335	0.359	0.407	0.453	0.498	0.542	0.606	0.668	0.708	0.747	0.822	0.893										
			10x25																								
1"	25.40						0.43	0.485	0.54	0.602	0.659	0.74	0.829	0.884	0.940	1.048	1.15	1.41									
		20x20																									
			15x25			0.386	0.414	0.469	0.523	0.576	0.628	0.704	0.778	0.826	0.873	0.963	1.050	1.247									
			10x30																								
			14x30			0.427	0.458	0.520	0.580	0.639	0.697	0.783	0.866	0.920	0.973	1.076	1.175										
1 1/8"	28.57							0.548	0.614	0.680	0.745	0.842	0.938	1.001	1.064	1.188	1.310	1.607									
			15x30					0.532	0.594	0.655	0.715	0.802	0.888	0.944	0.998	1.104	1.207	1.444									
1 1/4"	31.75						0.536	0.611	0.68	0.758	0.831	0.94	1.048	1.119	1.19	1.330	1.47	1.80									
		25x25																									
			20x30				0.524	0.595	0.665	0.733	0.801	0.901	0.998	1.061	1.124	1.246	1.364	1.640									
			10x40																								
1 3/8"	34.92							0.673	0.755	0.837	0.917	1.038	1.157	1.236	1.315	1.470	1.624	1.999									
			20x35					0.658	0.735	0.812	0.887	0.999	1.108	1.179	1.249	1.387	1.521	1.836									
1 1/2"	38.10						0.646	0.736	0.83	0.915	1.004	1.14	1.267	1.354	1.44	1.611	1.78	2.19									
		30x30						0.721	0.806	0.890	0.974	1.097	1.218	1.297	1.375	1.528	1.678	2.032									
			20x40																								
1 5/8"	41.27								0.896	0.993	1.090	1.234	1.377	1.471	1.565	1.752	1.937	2.390	2.700								
			25x40						0.877	0.969	1.060	1.195	1.328	1.415	1.501	1.670	1.835	2.229	2.489								
1 3/4"	44.45							0.861	0.97	1.072	1.176	1.33	1.486	1.589	1.69	1.893	2.09	2.59	2.924								
		35x35																									
			20x50					0.846	0.947	1.047	1.146	1.293	1.437	1.532	1.626	1.811	1.992	2.425	2.713								
			30x40																								
1 7/8"	47.62								1.037	1.150	1.262	1.429	1.596	1.706	1.816	2.034	2.250	2.782	3.147								
			25x50						1.018	1.126	1.233	1.391	1.547	1.650	1.752	1.952	2.149	2.621	2.937								
			35x57						1.258	1.393	1.526	1.725	1.921	2.050	2.179	2.433	2.682	3.288	3.697								
2"	50.80							0.986	1.11	1.228	1.348	1.53	1.706	1.824	1.94	2.175	2.41	2.98	3.370	3.76	4.617						
		40x40																									
			20x60						1.089	1.204	1.319	1.489	1.657	1.768	1.877	2.094	2.306	2.817	3.160	3.491	4.198						
			30x50																								
			50x34						1.145	1.267	1.388	1.568	1.745	1.862	1.978	2.207	2.431	2.974	3.339								
2 1/4"	57.15								1.25	1.385	1.521	1.72	1.925	2.059	2.19	2.457	2.72	3.37	3.816	4.26							
		45x45																									
			30x60						1.230	1.361	1.492	1.686	1.877	2.003	2.129	2.376	2.620	3.210	3.608	3.993							
			40x50																								
2 1/2"	63.50								1.389	1.541	1.693	1.92	2.144	2.294	2.44	2.739	3.03	3.76	4.263	4.76	5.87	6.882	7.411				
		50x50																									
			30x70						1.371	1.518	1.665	1.882	2.097	2.239	2.380	2.659	2.934	3.602	4.055	4.495	5.454	6.293	6.717				
			40x60																								
3"	76.20								1.671	1.855	2.037	2.310	2.583	2.763	2.94	3.303	3.66	4.54	5.155	5.76	7.12	8.370	9.024	9.590			
		60x60																									
			40x80						1.654	1.832	2.010	2.274	2.536	2.710	2.882	3.224	3.562	4.387	4.950	5.500	6.710	7.784	8.334	8.801			
			50x70																								
			20x100																								
3 1/2"	88.90													3.233	3.445	3.866	4.286	5.33	6.048	6.76	8.38	9.858	10.637	11.31	12.93	14.341	
		70x70																									
			40x100											3.181	3.385	3.789	4.190	5.172	5.845	6.505	7.966	9.276	9.951	10.528	11.876	13.019	
			60x80																								
			50x90																								
3 3/4"			50x100												3.636	4.072	4.504	5.565	6.293	7.007	8.594	10.022	10.759	11.391	12.873		
4"	101.60														3.946	4.430	4.91	6.11	6.941	7.77	9.63	11.345	12.250	13.035	14.92	16.568	
		80x80																									
			40x120												3.887	4.354	4.818	5.957	6.740	7.510	9.222	10.767	11.568	12.255	13.870	15.251	
			60x100																								
4 1/2"	114.30														4.447	4.994	5.539	6.893	7.833	8.768	10.881	12.833	13.863	14.757	16.905	18.795	20.972
		90x90																									
			40x140												4.389	4.920	5.446	6.742	7.635	8.515	10.478	12.259	13.185	13.982	15.864	17.484	
			60x120																								
			80x100																								
5"	127.00														4.948	5.558	6.165	7.68	8.726	9.77	12.13	14.32	15.476	16.480	18.89	21.022	23.478
		100x100																									
			50x150																								
			60x140												4.892	5.485	6.074	7.527	8.530	9.519	11.734	13.750	14.802	15.709	17.858	19.716	21.817
			70x130																								
			80x120																								
5 1/2"	139.70														5.449	6.121	6.792	8.459	9.619	10.772	13.386	15.808	17.089	18.203	20.883	23.249	25.983
			75x150														6.859	8.509	9.648	10.775	13.304	15.615	16.823	17.867	20.350	22.507	24.957
			70x150																								
			80x140														6.702	8.312	9.425	10.524	12.990	15.242	16.419	17.436	19.852	21.949	24.329
			100x120												5.394	6.050											
			100x130														7.016	8.705	9.872	11.027	13.618	15.988	17.228	18.299	20.849	23.065	25.585
6"	152.40																7.418	9.242	10.511	11.774	14.639	17.296	18.702	19.925	22.872	25.476	28.489
		120x120																									
			80x160														7.330	9.097	10.320	11.529	14.246	16.733	18.036	19.163	21.846	24.181	26.841
			100x140																								
6 5/8"	168.30																8.202	10.222	11.629	13.03	16.21	19.16	20.721	22.082	25.36	28.264	31.626
			100x160														7.958	9.882	11.214	12.534	15.502	18.225	19.653	20.890	23.839	26.414	29.353
7"	175.60																	10.672	12.142	13.605	16.928	20.014	21.648	23.072	26.505	29.544	33.066
		140x140																									
			100x180															10.667	12.109	13.539	16.758	19.716	21.270	22.617	25.833	28.646	31.865
			120x160																								
7 1/2"	190.50																			14.781	18.397	21.759	23.541	25.093	28.838	32.156	36.006
			100X200																								
		150x150																		14.543	18.014	21.208	22.888	24.344	27.827	30.879	34.377
			140x160																								
8 5/8"	219.10																			17.038	21.24	25.109	27.173	28.972	33.35	37.171	41.648
		175x175																									
			100x250																	17.055	21.154	24.937	26.930	28.661	32.812	36.460	40.657
			150x200																								
Espesor en mm.				0.50	0.55	0.65	0.70	0.80	0.90	1.00	1.10	1.25	1.40	1.50	1.60	1.80	2.00	2.50	2.85	3.20	4.00	4.75	5.15	5.50	6.35	7.11	8.00

Tubos Uso General y Estructural: largo estándar 6 metros
Medidas mayores o iguales a 5 1/2": largo estándar 12 metros

Tubos Uso Mecánico: largo estándar 6,40 metros
Medidas mayores o iguales a 5": largo estándar 12.8 metros

Largo Mínimo de Barra: 4 metros
Tolerancia en el largo: -0 / +50 mm. Largos especiales: consultar tolerancia restringida

Tubos para uso general según Norma IRAM IAS U 500 228
Tubos para uso estructural según Norma IRAM IAS U 500 2592
Tubos Uso Mecánico según Norma IRAM IAS U 500 2590 - tipo I

TUBOS USO MECANICO														
Diám. Nom.	Diám. Ext	2.00	2.25	2.50	2.85	3.20	3.50	4.00	4.75	5.15	5.50	6.35	7.11	8.00
3/4"	26.75	1.221	1.359	1.495										
1"	33.70	1.564	1.745	1.924	2.168									
1 1/4"	42.40	1.993	2.228	2.460	2.780									
1 1/2"	48.30	2.284	2.555	2.824	3.194									
2"	60.30	2.876	3.221	3.564	4.038	4.506								
2 1/2"	76.20	3.660	4.103	4.544	5.155	5.761	6.275	7.122	8.370	9.024	9.590			
3"	88.90	4.286	4.808	5.327	6.048	6.763	7.371	8.375	9.858	10.637	11.312	12.927	14.341	
4"	114.30	5.539	6.217	6.893	7.833	8.768	9.564	10.881	12.833	13.863	14.757	16.905	18.795	20.972
5"	139.70	6.792	7.627	8.459	9.619	10.772	11.756	13.386	15.808	17.089	18.203	20.883	23.249	25.983
6"	168.30	8.202	9.214	10.222	11.629	13.029	14.225	16.208	19.159	20.721	22.082	25.361	28.264	31.626
8"	219.10					17.038	18.610	21.219	25.109	27.173	28.972	33.317	37.171	41.648