

เหล็กท่อกลมดำ

Designation	Outside diameter		Thicknes (mm.)	Weight (kg./m.)	Reference			
	Max. (mm.)	Min. (mm.)			Area (cm ²)	Moment of Inertia (cm.)	Section Modulus (cm.)	Radius of Gyration (cm.)
1/2	22.2	21.2	2.0	0.972	1.238	0.607	0.560	0.700
3/4	27.7	26.7	2.0	1.24	1.583	1.26	0.930	0.890
			2.3	1.41	1.799	1.41	1.03	0.880
1	34.5	33.5	2.3	1.80	2.291	2.89	1.70	1.12
1 1/4	43.2	42.2	2.3	2.29	2.919	5.97	2.80	1.43
			2.5	2.49	3.157	6.4	3.00	1.42
			2.8	2.76	3.510	7.02	3.29	1.41
1 1/2	49.1	48.1	2.3	2.63	3.345	8.99	3.70	1.64
			2.5	2.84	3.621	9.65	3.97	1.63
			2.8	3.16	4.029	10.6	4.36	1.62
			3.2	3.58	64	11.8	4.86	1.61
2	61.1	59.9	2.3	3.30	4.205	17.8	5.90	2.06
			3.2	4.52	5.760	23.7	7.84	2.03
			4.0	5.57	7.100	28.5	41	2.00
2 1/2	77.1	75.5	2.8	5.08	6.465	43.7	11.5	2.60
			3.2	5.77	7.349	49.2	12.9	2.59
			4.0	7.13	9.085	59.5	15.6	2.56
3	90.0	88.2	2.8	5.96	7.591	0.7	15.9	3.05
			3.2	6.78	8.636	79.8	17.9	3.04
			4.0	8.39	10.69	7.0	1.8	3.01
3 1/2	102.6	100.6	3.2	7.76	9.892	120	23.6	3.48
			4.0	9.63	12.26	146	28.8	3.45
			5.0	11.9	15.17	177	34.9	3.42
4	115.4	113.2	3.2	8.77	11.17	172	30.2	3.93
			3.6	9.83	12.52	192	33.6	3.92
			4.5	12.2	15.52	234	41.0	3.89
			5.6	15.0	19.12	83	9.6	3.85
5	141.2	138.4	3.6	12.1	15.40	357	51.1	4.82
			4.0	13.4	17.07	394	56.3	4.80
			4.5	15.0	19.13	438	62.7	4.79
			6.0	19.8	25.22	566	0.9	4.74
6	166.85	163.55	4.5	17.8	22.72	734	88.9	5.68
			5.0	19.8	25.16	808	97.8	5.67
			6.0	23.6	30.01	952	115	5.63
			7.0	27.3	34.79	090	132	5.60