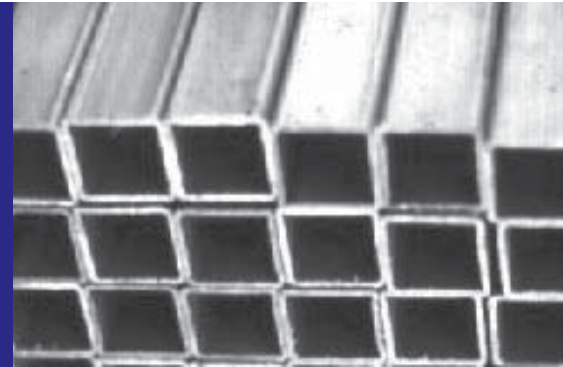
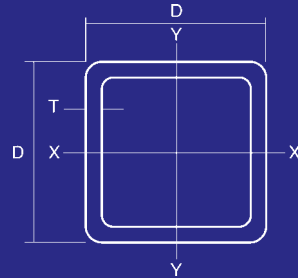


CARBON STEEL SQUARE PIPES

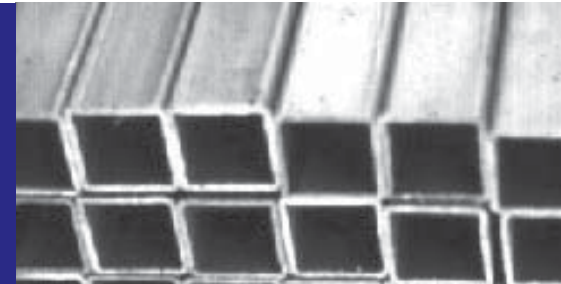
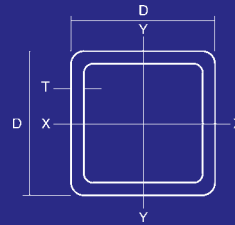
FOR GENERAL STRUCTURAL PURPOSES



Side Length DxD		Thickness (mm.)	Calculate Weight (kg./m.)	Cross Sectional Area (cm ²)	Geometrical Moment of Inertia (cm ⁴)	Modulus of Section (cm ³)	Radius of Gyration (cm.)
in.	mm.	T	W	A	I _x , I _y	Z _x , Z _y	I _x , I _y
3/4 x 3/4	19 x 19	1.6	0.82	1.05	0.57	0.60	0.71
		2.0	0.99	1.26	0.66	0.70	0.70
1 x 1	25 x 25	1.6	1.12	1.43	1.37	1.10	0.96
		2.3	1.53	1.95	1.81	1.45	0.93
		3.2	1.98	2.53	2.26	1.81	0.90
1 1/4 x 1 1/4	32 x 32	1.6	1.48	1.88	3.01	1.88	1.24
		2.3	2.04	2.60	4.04	2.53	1.22
		3.2	2.69	3.42	5.16	3.22	1.18
1 1/2 x 1 1/2	38 x 38	1.6	1.78	2.26	5.15	2.71	1.49
		2.3	2.47	3.15	7.01	3.69	1.46
		3.2	3.29	4.19	9.07	4.77	1.43
1 1/2 x 1 1/2	40 x 40	1.6	1.88	2.39	6.05	3.03	1.57

CARBON STEEL SQUARE PIPES

FOR GENERAL STRUCTURAL PURPOSES



Side Length DxD		Thickness (mm.)	Calculate Weight (kg./m.)	Cross Sectional Area (cm ²)	Geometrical Moment of Inertia (cm ⁴)	Modulus of Section (cm ³)	Radius of Gyration (cm.)
in.	mm.	T	W	A	I _x , I _y	Z _x , Z _y	I _x , I _y
1 1/2 x 1 1/2	40 x 40	2.3	2.62	3.33	8.25	4.12	1.54
		3.2	3.49	4.47	10.71	5.36	1.51
2 x 2	50 x 50	1.6	2.38	3.03	12.11	4.84	1.98
		2.3	3.34	4.25	16.68	6.67	1.95
		3.2	4.50	5.73	21.97	8.79	1.92
		4.5	6.02	7.67	28.54	11.41	1.87
		6.0	7.56	9.63	34.71	13.88	1.81
2 3/8 x 2 3/8	60 x 60	1.6	2.88	3.67	21.26	7.09	2.39
		2.3	4.06	5.17	29.50	9.83	2.36
		3.2	5.50	7.01	39.22	13.07	2.32
2 1/2 x 2 1/2	65 x 65	1.6	3.13	3.99	27.20	8.37	2.59
		2.3	4.42	5.63	37.85	11.65	2.56
		3.2	6.00	7.65	50.49	15.53	2.53
3 x 3	75 x 75	1.6	3.64	4.63	42.20	11.25	2.99
		2.3	5.14	6.55	58.98	15.73	2.97

3 x 3	75 x 75	3.2	7.01	8.93	79.12	21.10	2.93
		4.5	9.55	12.17	105.55	28.15	2.88
		6.0	12.27	15.63	132.40	35.31	2.83
		9.0	17.02	21.67	175.71	46.85	2.72
3 1/4 x 3 1/4	80 x 80	1.6	3.89	4.95	51.42	12.86	3.20
		3.2	7.51	9.57	96.81	24.20	3.14
		4.5	10.26	13.07	129.57	32.39	3.09
		9.0	18.43	23.47	218.20	54.55	2.92
4 x 4	100 x 100	1.6	4.89	6.23	101.66	20.33	4.02
		2.3	6.95	8.85	143.07	28.61	3.99
		3.2	9.52	12.12	193.17	38.74	3.95
		4.5	13.09	16.66	261.88	52.38	3.90
		6.0	16.98	21.63	333.59	66.72	3.84
		9.0	24.08	30.67	456.57	91.31	3.73
5 x 5	125 x 125	2.3	8.76	11.15	283.35	45.34	5.01
		3.2	12.03	15.32	385.74	61.72	4.97
		4.5	16.62	21.16	525.64	84.10	4.92
		6.0	21.69	27.63	675.78	108.12	4.86
		9.0	31.15	39.67	942.18	150.75	4.75
6 x 6	150 x 150	2.3	10.56	13.45	494.18	65.89	6.03
		3.2	14.54	18.52	675.22	90.03	5.99
		4.5	20.10	25.67	924.97	123.33	5.94
		6.0	26.40	33.63	1,196.47	159.53	5.88
		9.0	38.21	48.67	1,688.79	225.17	5.77
8 x 8	200 x 200	4.5	27.22	34.67	2,242.81	224.28	8.04
		6.0	35.82	45.63	2,923.35	292.34	8.00
		9.0	52.34	66.67	4,190.01	419.00	7.93