

SQUARE STEEL PIPES : ท่อสี่เหลี่ยมทั่วไป

Side Length		Thickness	Calculate Weight	Cross Sectional Area	Geometrical Moment of Inertia	Modulus of Section	Radius of Gyration
D x D		mm.	kg/m	cm ²	cm ⁴	cm ³	cm
in.	mm.	T	W	A	I _x , I _y	Z _x , Z _y	I _x , I _y
1"x1"	25x25	1.00	0.730	0.93	0.88	0.71	0.97
		1.20	0.870	1.11	1.02	0.82	0.96
		1.40	1.000	1.27	1.15	0.92	0.95
		1.60	1.120	1.43	1.28	1.02	0.94
		1.80	1.250	1.59	1.39	1.12	0.94
		2.00	1.360	1.74	1.51	1.20	0.93
		2.30	1.530	1.95	1.67	1.33	0.92
		2.60	1.690	2.16	1.83	1.46	0.92
		2.80	1.790	2.28	1.94	1.55	0.92
		3.00	1.890	2.41	2.06	1.65	0.92
1-1/4"x1-1/4"	32x32	1.00	0.950	1.21	1.92	1.20	1.26
		1.20	1.130	1.44	2.24	1.40	1.25
		1.40	1.310	1.66	2.55	1.59	1.24
		1.60	1.480	1.88	2.84	1.77	1.23
		1.80	1.640	2.09	3.11	1.94	1.22
		2.00	1.800	2.30	3.37	2.11	1.21
		2.30	2.040	2.60	3.74	2.34	1.20
		2.60	2.260	2.88	4.09	2.55	1.19
		2.80	2.410	3.07	4.31	2.70	1.19
		3.00	2.550	3.25	4.54	2.84	1.18
1-1/2"x1-1/2"	38x38	1.00	1.140	1.45	3.28	1.73	1.50
		1.20	1.360	1.73	3.85	2.03	1.49
		1.40	1.570	2.00	4.39	2.31	1.48
		1.60	1.780	2.26	4.91	2.58	1.47
		1.80	1.980	2.52	5.40	2.84	1.46
		2.00	2.180	2.78	5.87	3.09	1.45
		2.30	2.470	3.15	6.54	3.44	1.44
		2.60	2.750	3.51	7.17	3.77	1.43
		2.80	2.940	3.74	7.57	3.98	1.42
		3.00	3.120	3.97	7.96	4.19	1.42
3.20	3.290	4.19	8.34	4.39	1.41		

2"x2"	50x50	1.40	2.100	2.67	10.39	4.16	1.97
		1.60	2.380	3.03	11.68	4.67	1.96
		1.80	2.660	3.39	12.91	5.17	1.95
		2.00	2.930	3.74	14.11	5.64	1.94
		2.30	3.340	4.25	15.82	6.33	1.93
		2.60	3.730	4.76	17.44	6.97	1.91
		2.80	3.990	5.08	18.47	7.39	1.91
		3.00	4.250	5.41	19.47	7.79	1.90
		3.20	4.500	5.73	20.44	8.18	1.89
		3.60	4.980	6.35	22.31	8.92	1.87
3"x3"	75x75	1.60	3.640	4.63	41.23	10.99	2.98
		1.80	4.070	5.19	45.86	12.23	2.97
		2.00	4.500	5.74	50.38	13.44	2.96
		2.30	5.140	6.55	56.97	15.19	2.95
		2.60	5.770	7.36	63.31	16.88	2.93
		2.80	6.190	7.88	67.41	17.98	2.92
		3.00	6.600	8.41	71.41	19.04	2.91
		3.20	7.010	8.93	75.32	20.08	2.90
		3.60	7.810	9.95	82.85	22.09	2.89
		4.00	8.590	10.95	90.04	24.01	2.87
4"x4"	100x100	1.80	5.480	6.99	111.49	22.30	3.99
		2.00	6.070	7.74	122.84	24.57	3.98
		2.30	6.950	8.85	139.49	27.90	3.97
		2.60	7.820	9.96	155.70	31.14	3.95
		2.80	8.390	10.68	166.26	33.25	3.94
		3.00	8.960	11.41	176.63	35.33	3.93
		3.20	9.520	12.13	186.81	37.36	3.92
		3.60	10.640	13.55	206.61	41.32	3.91
		4.00	11.730	14.95	225.70	45.14	3.89
		4.50	13.080	16.67	248.59	49.72	3.86
5"x5"	125x125	2.00	7.640	9.74	243.98	39.04	5.01
		2.30	8.750	11.15	277.77	44.44	4.99
		2.60	9.860	12.56	310.85	49.74	4.98
		2.80	10.590	13.48	332.52	53.20	4.97
		3.00	11.310	14.41	353.87	56.62	4.96
		3.20	12.030	15.33	374.91	59.99	4.95
		3.60	13.460	17.15	416.09	66.57	4.93
		4.00	14.870	18.95	456.07	72.97	4.91
		4.50	16.620	21.17	504.42	80.71	4.88
		5.00	18.330	23.36	551.02	88.16	4.86
		6.00	21.690	27.63	639.27	102.28	4.81
		6.30	22.680	28.89	664.54	106.33	4.80
8.00	28.100	35.79	798.54	127.77	4.72		

6"x6"	150x150	4.00	18.010	22.95	806.16	107.49	5.93
		4.50	20.150	25.67	894.18	119.22	5.90
		5.00	22.260	28.36	979.54	130.60	5.88
		6.00	26.400	33.63	1142.59	152.35	5.83
		6.30	27.620	35.19	1189.59	158.61	5.81
		8.00	34.380	43.79	1440.56	192.07	5.74
		9.00	38.210	48.67	1577.22	210.30	5.69
8"x8"	200x200	4.50	27.210	34.67	2187.99	218.80	7.94
		5.00	30.110	38.36	2405.54	240.55	7.92
		6.00	35.820	45.63	2826.04	282.60	7.87
		6.30	37.520	47.79	2948.47	294.85	7.85
		8.00	46.940	59.79	3611.14	361.11	7.77
		9.00	52.340	66.67	3977.5	397.75	7.72
		12.00	67.930	86.53	4984.8	498.48	7.59