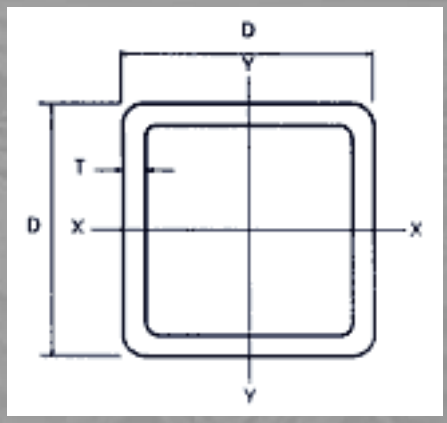
Square Tube

Dimension Tolerance



Side Lenght

: DxB ≤ 50 mm. ± 1.5 mm. Thickness : Under 3 mm. ± 0.3 mm.

: DxB ≥ 50 mm. ± 1.5 % Thickness : 3 mm. or over, ± 10%

: ± 10% Lenght : +50 mm., -0 mm.

Side Length		Thickness	Calculate Weight	Cross Sectional Area	Geometrical Moment of Inertia	Modulus of Section	Radius of Gyration
D x D		T	W	A	I_x, I_y	Z_x, Z_y	I_x, I_y
in.	mm.	mm.	kg./m.	cm^2	cm^4	cm^3	cm.
1x1	25x25	2.0	1.36	1.74	1.48	1.19	0.92
		2.3	1.53	1.97	1.61	1.29	0.90
		2.6	1.65	2.10	1.63	1.31	0.88
		3.2	1.91	2.44	1.75	1.40	0.85
1 1/4 x1 1/4	32x32	2.3	2.04	2.60	3.71	2.32	1.20
		3.2	2.69	3.42	4.54	2.84	1.15
1 1/2 x1 1/2	38x38	2.3	2.47	3.15	6.54	3.44	1.44
		3.2	3.29	4.19	8.18	4.30	1.40
		1.6	2.38	3.03	11.70	4.68	1.96
		2.0	2.91	3.70	13.90	5.57	1.94
		2.3	3.34	4.25	15.90	6.34	1.93

2x2	50x50	3.2	4.50	5.73	20.40	8.16	1.89
		3.6	4.90	6.24	21.40	8.58	1.85
		4.0	5.35	6.81	22.90	9.15	1.83
		5.0	6.39	8.14	25.70	10.30	1.78
3x3	75x75	2.3	5.14	6.55	57.10	15.20	2.95
		3.2	7.01	8.93	75.50	20.10	2.91
		4.0	8.59	10.95	90.20	24.10	2.87
		4.5	9.55	12.17	98.60	26.30	2.85
4x4	100x100	2.3	6.95	8.85	140.00	27.90	3.97
		3.2	9.52	12.13	187.00	37.50	3.93
		4.0	11.70	14.95	226.00	45.30	3.89
		4.5	13.10	16.67	249.00	49.90	3.87
		6.0	17.00	21.63	311.00	62.30	3.79
5x5	125x125	3.2	12.00	15.33	376.00	60.10	4.95
		4.5	16.60	21.17	506.00	80.90	4.89
		5.0	18.30	23.36	553.00	88.40	4.86
		6.0	21.70	27.63	641.00	103.00	4.82
6x6	150x150	4.5	20.10	25.67	896.00	120.00	5.91
		5.0	22.30	28.36	982.00	131.00	5.89
		6.0	26.40	33.63	1,150.00	153.00	5.84
		6.3	27.40	34.80	1,174.00	156.00	5.80