

# Rectangular Tube

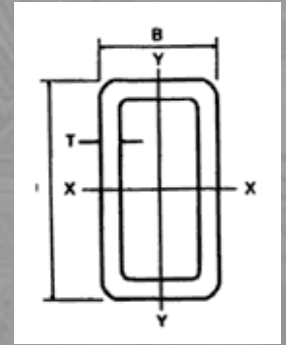
## Dimension Tolerance

### Side Length

:  $D \times B \leq 50 \text{ mm.} \pm 1.5 \text{ mm.}$  Thickness : Under 3 mm.  $\pm 0.3 \text{ mm.}$

:  $D \times B \geq 50 \text{ mm.} \pm 1.5 \%$  Thickness : 3 mm. or over,  $\pm 10\%$

:  $\pm 10\%$  Length : +50 mm., -0 mm.



Side Length		Thickness	Calculate Weight	Cross Sectional Area	Geometrical Moment of Inertia		Modulus of Section		Radius of Gyration	
D x B		T	W	A	I <sub>x</sub>	I <sub>y</sub>	Z <sub>x</sub>	Z <sub>y</sub>	I <sub>x</sub>	I <sub>y</sub>
in.	mm.	mm.	kg./m.	cm <sup>2</sup>	cm <sup>4</sup>	cm <sup>4</sup>	cm <sup>3</sup>	cm <sup>3</sup>	cm.	cm.
2x1	50x25	2.0	2.12	2.70	8.17	2.76	3.27	2.20	1.74	1.01
		2.3	2.44	3.10	9.31	3.10	3.72	2.48	1.68	0.96
		3.2	3.24	4.13	11.60	3.80	4.65	3.04	1.68	0.96
		3.6	3.48	4.44	11.70	3.86	4.70	3.09	1.63	0.93
3x1 1/4	75x38	2.3	3.81	4.85	34.60	12.00	9.23	6.30	2.67	1.57
		3.2	5.15	5.15	45.00	15.40	12.00	8.09	2.62	1.53
3x1 3/4	75x45	1.6	2.88	3.67	28.40	12.90	7.56	5.75	2.78	1.88
		2.3	4.06	5.17	38.90	17.60	10.40	7.82	2.74	1.84
		3.2	5.50	7.01	50.80	22.80	13.50	10.10	2.69	1.80
4x2	100x50	2.0	4.48	5.70	74.10	25.50	14.80	10.20	3.61	2.11
		2.3	5.14	6.55	84.80	29.00	17.00	11.60	3.60	2.10
		3.2	7.01	8.93	112.00	38.00	22.50	15.20	3.55	2.06
		3.6	7.72	9.84	121.00	40.90	24.10	16.30	3.50	2.04
		4.0	8.59	10.95	142.00	46.70	28.40	18.70	3.55	2.03
		4.5	9.55	12.17	147.00	48.90	29.30	19.50	3.47	2.00
5x3	125x75	2.3	6.95	8.85	192.00	87.50	30.60	23.30	4.65	3.14
		3.2	9.52	12.13	257.00	117.00	41.10	31.10	4.60	3.10
		4.0	11.70	14.95	311.00	141.00	49.70	37.50	4.56	3.07
		4.5	13.10	16.67	342.00	155.00	54.80	41.20	4.53	3.04
		6.0	17.00	21.63	428.00	192.00	68.50	51.10	4.45	2.98
6x2	150x50	3.2	9.63	12.13	314.92	55.71	42.61	22.61	5.16	2.17
		4.5	13.50	17.03	423.93	75.75	53.35	29.82	5.05	2.11
		6.3	18.77	22.84	536.98	93.65	72.76	36.87	4.93	2.03
8x4	200x100	4.5	20.10	25.67	1,330.00	455.00	133.00	90.90	7.20	4.21

		6.0	26.40	33.63	1,700.00	577.00	170.00	115.00	7.12	4.14
		6.3	27.40	34.80	1,739.00	591.00	174.00	118.00	7.06	4.12

\*\*\* Please contact us in advance for items  
in light blue color cell \*\*\*

