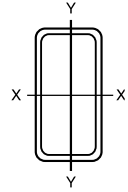
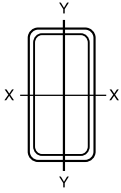


Structural Tubing Rectangular

Dimensions and Properties



Rectangular Tube	Design Wall Thickness, <i>t</i>	Nominal wt. lb./ft.	Area <i>A</i>	Rectangular Tube	Design Wall Thickness, <i>t</i>	Nominal wt. lb./ft.	Area <i>A</i>
	in.		in. ²		in.		in. ²
2 x 1 x 1/8	0.116	2.19	0.608	3 1/2 x 1 1/2 x 1/8	0.116	3.90	1.07
	x 3/16		0.174		0.845		x 3/16
2 x 1 1/2 x 1/8	0.116	2.62	0.724	x 1/4	0.233	7.08	1.97
	x 3/16		0.174		1.02		3 1/2 x 2 x 1/8
2 1/4 x 2 x 1/8	0.116	3.26	0.898	x 3/16	0.174	6.23	1.71
	x 3/16		0.174		1.28		x 1/4
2 1/2 x 1 x 1/8	0.116	2.62	0.724	3 1/2 x 2 1/2 x 1/8	0.116	4.75	1.30
	x 3/16		0.174		1.02		x 3/16
2 1/2 x 1 1/2 x 1/8	0.116	3.04	0.840	x 1/4	0.233	8.78	2.44
	x 3/16		0.174		1.19		x 5/16
x 1/4	0.233	5.38	1.51	x 3/8	0.349	12.09	3.39
	0.233		1.51		4 x 2 x 1/8		0.116
2 1/2 x 2 x 1/8	0.116	3.47	0.956	x 3/16	0.174	6.87	1.89
	x 3/16		0.174		1.37		x 1/4
x 1/4	0.233	6.23	1.74	x 3/16	0.291	10.54	2.94
	0.233		1.74		x 3/8		0.349
3 x 1 x 1/8	0.116	3.04	0.840	4 x 2 x 1/8	0.116	4.75	1.30
	x 3/16		0.174		1.19		x 3/16
3 x 1 1/2 x 1/8	0.116	3.47	0.956	x 1/4	0.233	8.78	2.44
	x 3/16		0.174		1.37		x 3/16
x 1/4	0.233	6.23	1.74	x 3/8	0.349	12.09	3.39
	0.233		1.74		4 x 3 x 1/8		0.116
3 x 2 x 1/8	0.116	3.90	1.07	x 3/16	0.174	8.15	2.24
	x 3/16		0.174		1.54		x 1/4
x 1/4	0.233	7.08	1.97	x 5/16	0.291	12.67	3.52
	x 5/16		0.291		2.35		x 3/8
3 x 2 1/2 x 1/8	0.116	4.32	1.19	5 x 2 x 1/8	0.116	5.60	1.54
	x 3/16		0.174		1.71		x 3/16
x 1/4	0.233	7.93	2.21	x 1/4	0.233	10.48	2.91
	x 5/16		0.291		2.64		x 5/16
5 x 2 x 1/8	0.116	5.60	1.54	x 3/8	0.349	14.65	4.09
	x 3/16		0.174		2.24		x 3/8
5 x 3 x 1/8	0.116	6.45	1.77	5 x 2 x 1/8	0.116	5.60	1.54
	x 3/16		0.174		2.58		x 3/16
x 1/4	0.233	12.18	3.37	x 1/4	0.233	10.48	2.91
	x 5/16		0.291		4.10		x 1/4
x 3/8	0.349	17.20	4.78	x 5/16	0.291	14.80	4.10
	x 1/2		0.465		21.50		x 3/8
6.02				x 1/2	0.465	21.50	6.02



Structural Tubing

Rectangular

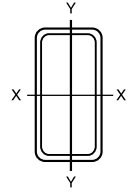
Dimensions and Properties

Rectangular Tube	Design Wall Thickness, <i>t</i>	Nominal wt.	Area A	Rectangular Tube	Design Wall Thickness, <i>t</i>	Nominal wt.	Area A
	in.		lb./ft.		in. ²		in.
5 x 4 x 1/8	0.116	7.30	2.00	7 x 3 x 1/8	0.116	8.15	2.23
	x 3/16		2.93		x 3/16		3.28
	x 1/4		3.84		x 1/4		4.30
	x 5/16		4.68		x 5/16		5.26
	x 3/8		5.48		x 3/8		6.18
	x 1/2		6.95		x 1/2		7.88
6 x 2 x 1/8	0.116	6.45	1.77	7 x 4 x 1/8	0.116	9.00	2.46
	x 3/16		2.58		x 3/16		3.63
	x 1/4		3.37		x 1/4		4.77
	x 5/16		4.10		x 5/16		5.85
	x 3/8		4.78		x 3/8		6.88
	x 1/2		4.78		x 1/2		8.81
6 x 3 x 1/8	0.116	7.30	2.00	7 x 5 x 1/8	0.116	9.85	2.70
	x 3/16		2.93		x 3/16		3.98
	x 1/4		3.84		x 1/4		5.24
	x 5/16		4.68		x 5/16		6.43
	x 3/8		5.48		x 3/8		7.58
	x 1/2		6.95		x 1/2		9.74
6 x 4 x 1/8	0.116	8.15	2.23	8 x 2 x 1/8	0.116	8.15	2.23
	x 3/16		3.28		x 3/16		3.28
	x 1/4		4.30		x 1/4		4.30
	x 5/16		5.26		x 5/16		5.26
	x 3/8		6.18		x 3/8		6.18
	x 1/2		7.88		x 1/2		6.18
6 x 5 x 1/8	0.116	9.00	2.46	8 x 3 x 1/8	0.116	9.00	2.46
	x 3/16		3.63		x 3/16		3.63
	x 1/4		4.77		x 1/4		4.77
	x 5/16		5.85		x 5/16		5.85
	x 3/8		6.88		x 3/8		6.88
	x 1/2		8.81		x 1/2		8.81
7 x 2 x 1/8	0.116	7.30	2.00				
	x 3/16		2.93				
	x 1/4		3.84				

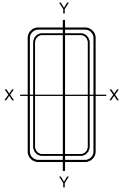
Structural Tubing

Rectangular

Dimensions and Properties



Rectangular Tube	Design Wall Thickness, t	Nominal wt.	Area A	Rectangular Tube	Design Wall Thickness, t	Nominal wt.	Area A		
	in.				lb./ft.			in. ²	in.
8 x 4 x 1/8	0.116	9.85	2.70	10 x 2 x 1/8	0.116	9.85	2.70		
	x 3/16	0.174	14.54		3.98	x 3/16	0.174	14.54	3.98
	x 1/4	0.233	18.99		5.24	x 1/4	0.233	18.99	5.24
	x 5/16	0.291	23.32		6.43	x 5/16	0.291	23.32	6.43
	x 3/8	0.349	27.41		7.58	x 3/8	0.349	27.41	7.58
	x 1/2	0.465	35.11		9.74				
	x 5/8	0.581	42.10	11.7	10 x 3 x 1/8	0.116	10.70	2.93	
						x 3/16	0.174	15.82	4.32
						x 1/4	0.233	20.69	5.70
						x 5/16	0.291	25.45	7.01
8 x 6 x 3/16	0.174	17.10	4.67		x 3/8	0.349	29.96	8.27	
	x 1/4	0.233	22.39	6.17	10 x 4 x 1/8	0.116	11.55	3.16	
	x 5/16	0.291	27.58	7.59		x 3/16	0.174	17.10	4.67
	x 3/8	0.349	32.51	8.97		x 1/4	0.233	22.39	6.17
	x 1/2	0.465	41.91	11.6		x 5/16	0.291	27.58	7.59
	x 5/8	0.581	50.60	14.0		x 3/8	0.349	32.51	8.97
				x 1/2		0.465	41.91	11.6	
9 x 3 x 3/16	0.174	14.54	3.98		x 5/8	0.581	50.60	14.0	
	x 1/4	0.233	18.99	5.24	10 x 5 x 3/16	0.174	18.38	5.02	
	x 5/16	0.291	23.32	6.43		x 1/4	0.233	24.09	6.63
	x 3/8	0.349	27.41	7.58		x 5/16	0.291	29.71	8.17
	x 1/2	0.465	35.11	9.74		x 3/8	0.349	35.06	9.67
9 x 5 x 3/16	0.174	17.10	4.67		10 x 6 x 3/16	0.174	19.66	5.37	
	x 1/4	0.233	22.39	6.17		x 1/4	0.233	25.79	7.10
	x 5/16	0.291	27.58	7.59		x 3/16	0.291	31.84	8.76
	x 3/8	0.349	32.51	8.97		x 3/8	0.349	37.61	10.4
	x 1/2	0.465	41.91	11.6		x 1/2	0.465	48.72	13.5
	x 5/8	0.581	50.60	14.0		x 5/8	0.581	59.11	16.4
9 x 7 x 3/16	0.174	19.66	5.37						
	x 1/4	0.233	25.79	7.10					
	x 5/16	0.291	31.84	8.76					
	x 3/8	0.349	37.61	10.4					
	x 1/2	0.465	48.72	13.5					
	x 5/8	0.581	59.11	16.4					



Structural Tubing

Rectangular

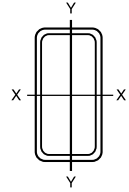
Dimensions and Properties

Rectangular Tube	Design Wall Thickness, <i>t</i>	Nominal wt. lb./ft.	Area <i>A</i>	Rectangular Tube	Design Wall Thickness, <i>t</i>	Nominal wt. lb./ft.	Area <i>A</i>	
	in.		in. ²		in.		in. ²	
10 x 8 x 3/16	0.174	22.22	6.06	12 x 10 x 1/4	0.233	36.00	9.90	
	x 1/4 0.233	29.19	8.03		x 5/16 0.291	44.62	12.2	
	x 5/16 0.291	36.10	9.92		x 3/8 0.349	52.93	14.6	
	x 3/8 0.349	42.72	11.8		x 1/2 0.465	69.14	19.0	
	x 1/2 0.465	55.53	15.3					
	x 5/8 0.581	67.62	18.7					
12 x 2 x 3/16	0.174	17.10	4.67	14 x 4 x 3/16	0.174	22.12	6.06	
	x 1/4 0.233	22.39	6.17		x 1/4 0.233	29.25	8.03	
	x 5/16 0.291	27.58	7.59		x 5/16 0.291	36.09	9.92	
					x 3/8 0.349	42.75	11.8	
12 x 3 x 3/16	0.174	18.38	5.02	14 x 5/16	0.465	55.53	15.3	
	x 1/4 0.233	24.09	6.63		x 5/8 0.581	67.59	18.7	
	x 5/16 0.291	29.71	8.17					
12 x 4 x 3/16	0.174	19.66	5.37	14 x 6 x 3/16	0.174	24.66	6.76	
	x 1/4 0.233	25.79	7.10		x 1/4 0.233	32.66	8.96	
	x 5/16 0.291	31.84	8.76		x 5/16 0.291	40.35	11.1	
	x 3/8 0.349	37.61	10.4		x 3/8 0.349	47.86	13.2	
	x 1/2 0.465	48.72	13.5		x 1/2 0.465	62.33	17.2	
	x 5/8 0.581	59.11	16.4		x 5/8 0.581	76.09	21.0	
					14 x 10 x 1/4	0.233	39.48	10.8
			x 3/16 0.291	48.87		13.4		
			x 3/8 0.349	58.07		16.0		
12 x 6 x 3/16	0.174	22.22	6.06	14 x 10 x 1/4	0.465	75.94	20.9	
	x 1/4 0.233	29.19	8.03		x 5/8 0.581	93.10	25.7	
	x 5/16 0.291	36.10	9.92		16 x 4 x 3/16	0.174	24.66	6.76
	x 3/8 0.349	42.72	11.8			x 1/4 0.233	32.66	8.96
	x 1/2 0.465	55.53	15.3			x 5/16 0.291	40.35	11.1
	x 5/8 0.581	67.62	18.7			x 3/8 0.349	47.86	13.2
			x 1/2 0.465	62.33		17.2		
			x 5/8 0.581	76.09		21.0		
12 x 8 x 3/16	0.174	24.78	6.76	16 x 8 x 1/4	0.233	39.48	10.8	
	x 1/4 0.233	32.60	8.96		x 5/16 0.291	48.87	13.4	
	x 5/16 0.291	40.36	11.1		x 3/8 0.349	58.07	16.0	
	x 3/8 0.349	47.82	13.2		x 1/2 0.465	75.94	20.9	
	x 1/2 0.465	62.33	17.2		x 5/8 0.581	93.10	25.7	
	x 5/8 0.581	76.13	21.0					

Structural Tubing

Rectangular

Dimensions and Properties



Rectangular Tube	Design Wall Thickness, <i>t</i>	Nominal wt.	Area <i>A</i>	Rectangular Tube	Design Wall Thickness, <i>t</i>	Nominal wt.	Area <i>A</i>		
	in.		lb./ft.		in. ²		in.	lb./ft.	in. ²
16 x 12 x ⁵ / ₁₆	0.291	57.38	15.7	20 x 8 x ⁵ / ₁₆	0.291	57.31	15.7		
	x ³ / ₈ 0.349		68.29		18.7		x ³ / ₈ 0.349	68.29	18.7
	x ¹ / ₂ 0.465		89.55		24.6		x ¹ / ₂ 0.465	89.55	24.6
	x ⁵ / ₈ 0.581		110.00		30.3		x ⁵ / ₈ 0.581	110.00	30.3
18 x 6 x ¹ / ₄	0.233	39.48	10.8	20 x 12 x ⁵ / ₁₆	0.291	65.82	18.1		
	x ⁵ / ₁₆ 0.291		48.87		13.4		x ³ / ₈ 0.349	78.45	21.5
	x ³ / ₈ 0.349		58.07		16.0		x ¹ / ₂ 0.465	103.00	28.3
	x ¹ / ₂ 0.465		75.94		20.9		x ⁵ / ₈ 0.581	127.00	35.0
	x ⁵ / ₈ 0.581		93.10		25.7				
20 x 4 x ¹ / ₄	0.233	39.48	10.8						
	x ⁵ / ₁₆ 0.291		48.87	13.4					
	x ³ / ₈ 0.349		58.07	16.0					
	x ¹ / ₂ 0.465		75.94	20.9					