

CARBON SQUARE AND RECTANGULAR STRUCTURAL TUBING

All sizes smaller than 2" square and equivalent rectangles with wall thicknesses less than .120" are manufactured to ASTM A-513. Sizes 2" and above with wall thicknesses of .120" and heavier are manufactured to ASTM A-500. For specifications and tolerances, refer to page 66.

CARBON SQUARE TUBING

O.D. (In.)	Wall (In.)	Wt./Ft. (lbs.)
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1/2" x 1/2"

1/2 x 1/2	.065	.384
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5/8" x 5/8"

5/8 x 5/8	.049	.384
5/8 x 5/8	.065	.495

3/4" x 3/4"

3/4 x 3/4	.049	.467
3/4 x 3/4	.065	.605
3/4 x 3/4	.083	.753

3/4 x 3/4	.120	1.028
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7/8" x 7/8"

7/8 x 7/8	.065	.716
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1" x 1"

1 x 1	.049	.634
1 x 1	.065	.827
1 x 1	.072	.909

1 x 1	.083	1.035
1 x 1	.095	1.169
1 x 1	.109	1.320

1 x 1	.120	1.436
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1-1/4" x 1-1/4"

1-1/4 x 1-1/4	.049	.800
1-1/4 x 1-1/4	.065	1.047
1-1/4 x 1-1/4	.083	1.317

1-1/4 x 1-1/4	.109	1.691
1-1/4 x 1-1/4	.120	1.844
1-1/4 x 1-1/4	.188	2.400

O.D. (In.)	Wall (In.)	Wt./Ft. (lbs.)
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1-1/2" x 1-1/2"

1-1/2 x 1-1/2	.049	.967
1-1/2 x 1-1/2	.065	1.268
1-1/2 x 1-1/2	.083	1.599

1-1/2 x 1-1/2	.095	1.815
1-1/2 x 1-1/2	.109	2.062
1-1/2 x 1-1/2	.120	2.252

1-1/2 x 1-1/2	.188	3.040
1-1/2 x 1-1/2	.250	4.000

1-3/4" x 1-3/4"

1-3/4 x 1-3/4	.065	1.489
1-3/4 x 1-3/4	.083	1.881
1-3/4 x 1-3/4	.120	2.660

2" x 2"

2 x 2	.065	1.710
2 x 2	.083	2.164
2 x 2	.095	2.461

2 x 2	.109	2.802
2 x 2	.120	3.050
2 x 2	.188	4.320

2 x 2	.250	5.410
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2-1/4" x 2-1/4"

2-1/4 x 2-1/4	.188	4.960
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2-1/2" x 2-1/2"

2-1/2 x 2-1/2	.083	2.730
2-1/2 x 2-1/2	.109	3.544
2-1/2 x 2-1/2	.120	3.900

2-1/2 x 2-1/2	.188	5.590
2-1/2 x 2-1/2	.250	7.110

3" x 3"

3 x 3	.083	3.290
3 x 3	.120	4.750
3 x 3	.188	6.870

3 x 3	.250	8.810
3 x 3	.313	10.580
3 x 3	.375	12.170

O.D. (In.)	Wall (In.)	Wt./Ft. (lbs.)
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3-1/2" x 3-1/2"

3-1/2 x 3-1/2	.120	5.610
3-1/2 x 3-1/2	.188	8.150
3-1/2 x 3-1/2	.250	10.510

3-1/2 x 3-1/2	.313	12.700
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4" x 4"

4 x 4	.083	4.420
4 x 4	.120	6.460
4 x 4	.188	9.420

4 x 4	.250	12.210
4 x 4	.313	14.830
4 x 4	.375	17.270

4 x 4	.500	21.630
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4-1/2" x 4-1/2"

4-1/2 x 4-1/2	.188	10.700
4-1/2 x 4-1/2	.250	13.910

5" x 5"

5 x 5	.120	7.800
5 x 5	.188	11.970
5 x 5	.250	15.620

5 x 5	.313	19.080
5 x 5	.375	22.370
5 x 5	.500	28.430

5-1/2" x 5-1/2"

5-1/2 x 5-1/2	.188	13.270
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6" x 6"

6 x 6	.120	9.860
6 x 6	.188	14.530
6 x 6	.250	19.020

6 x 6	.313	23.340
6 x 6	.375	27.480
6 x 6	.500	35.240

6 x 6	.625	42.260
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CARBON SQUARE TUBING

O.D. (In.)	Wall (In.)	Wt./Ft. (lbs.)
7" x 7"		
7 x 7	.188	17.080
7 x 7	.250	22.420
7 x 7	.313	27.590
7 x 7	.375	32.580
7 x 7	.500	42.050
8" x 8"		
8 x 8	.188	19.630
8 x 8	.250	25.820
8 x 8	.313	31.840
8 x 8	.375	37.690
8 x 8	.500	48.850
8 x 8	.625	59.320

O.D. (In.)	Wall (In.)	Wt./Ft. (lbs.)
9" x 9"		
9 x 9	.250	29.230
9 x 9	.500	55.660
10" x 10"		
10 x 10	.250	32.630
10 x 10	.313	40.350
10 x 10	.375	47.900
10 x 10	.500	62.460
10 x 10	.625	76.330

O.D. (In.)	Wall (In.)	Wt./Ft. (lbs.)
12" x 12"		
12 x 12	.250	39.430
12 x 12	.375	58.100
12 x 12	.500	76.070
14" x 14"		
14 x 14	.375	68.310
14 x 14	.500	89.680
16" x 16"		
16 x 16	.375	78.520
16 x 16	.500	103.300

CARBON RECTANGULAR TUBING

O.D. (In.)	Wall (In.)	Wt./Ft. (lbs.)
1/2" x 1"		
1/2 x 1	.065	.605
1/2" x 1-1/2"		
1/2 x 1-1/2	.065	.827
3/4" x 1-1/2"		
3/4 x 1-1/2	.065	.937
3/4 x 1-1/2	.083	1.176
3/4 x 1-1/2	.120	1.640
3/4" x 2"		
3/4 x 2	.083	1.169
1" x 1-1/2"		
1 x 1-1/2	.065	1.047
1 x 1-1/2	.083	1.317
1 x 1-1/2	.120	1.844
1" x 2"		
1 x 2	.065	1.268
1 x 2	.083	1.599
1 x 2	.095	1.815
1 x 2	.120	2.252
1" x 2-1/2"		
1 x 2-1/2	.083	1.881
1 x 2-1/2	.120	2.660
1" x 3"		
1 x 3	.083	2.164
1 x 3	.120	3.050

O.D. (In.)	Wall (In.)	Wt./Ft. (lbs.)
1-1/4" x 2"		
1-1/4 x 2	.083	1.741
1-1/4 x 2	.120	2.456
1-1/4" x 2-1/2"		
1-1/4 x 2-1/2	.083	2.023
1-1/2" x 2"		
1-1/2 x 2	.065	1.489
1-1/2 x 2	.083	1.881
1-1/2 x 2	.120	2.660
1-1/2" x 2-1/2"		
1-1/2 x 2-1/2	.083	2.164
1-1/2 x 2-1/2	.120	3.050
1-1/2 x 2-1/2	.188	4.320
1-1/2 x 2-1/2	.250	5.410
1-1/2" x 3"		
1-1/2 x 3	.065	1.890
1-1/2 x 3	.083	2.450
1-1/2 x 3	.120	3.480
1-1/2 x 3	.188	4.960
1-1/2 x 3	.250	6.800
1-1/2" x 4"		
1-1/2 x 4	.120	4.330
2" x 3"		
2 x 3	.065	2.153
2 x 3	.083	2.730
2 x 3	.120	3.900
2 x 3	.188	5.590
2 x 3	.250	7.110
2 x 3	.313	8.450

O.D. (In.)	Wall (In.)	Wt./Ft. (lbs.)
2" x 4"		
2 x 4	.083	3.290
2 x 4	.095	4.020
2 x 4	.120	4.750
2 x 4	.188	6.870
2 x 4	.250	8.810
2 x 4	.313	10.580
2 x 4	.375	12.170
2" x 5"		
2 x 5	.095	4.400
2 x 5	.120	5.610
2 x 5	.188	8.150
2 x 5	.250	10.510
2 x 5	.313	12.700
2" x 6"		
2 x 6	.120	6.460
2 x 6	.188	9.240
2 x 6	.250	12.210
2 x 6	.313	14.830
2 x 6	.375	17.270
2" x 8"		
2 x 8	.188	11.970
2 x 8	.250	15.620
2 x 8	.375	22.370
2" x 10"		
2 x 10	.188	14.530
2 x 10	.250	19.020

CARBON RECTANGULAR TUBING

O.D. (In.)	Wall (In.)	Wt./Ft. (lbs.)
2" x 12"		
2 x 12	.188	17.080
2 x 12	.250	22.420
2-1/2" x 3"		
2-1/2 x 3	.120	4.330
2-1/2 x 3	.250	7.950
2-1/2" x 3-1/2"		
2-1/2 x 3-1/2	.120	4.750
2-1/2 x 3-1/2	.188	6.870
2-1/2 x 3-1/2	.250	8.810
2-1/2" x 4"		
2-1/2 x 4	.120	5.180
2-1/2 x 4	.188	7.482
2-1/2" x 4-1/2"		
2-1/2 x 4-1/2	.250	10.510
2-1/2" x 5"		
2-1/2 x 5	.120	6.030
2-1/2 x 5	.188	8.780
2-1/2 x 5	.250	11.360
3" x 4"		
3 x 4	.120	5.610
3 x 4	.188	8.150
3 x 4	.250	10.510
3 x 4	.313	12.700
3 x 4	.375	14.720
3" x 5"		
3 x 5	.120	6.460
3 x 5	.188	9.420
3 x 5	.250	12.210
3 x 5	.313	14.830
3 x 5	.375	17.270
3 x 5	.500	21.630
3" x 6"		
3 x 6	.120	7.310
3 x 6	.188	10.700
3 x 6	.250	13.910
3 x 6	.313	16.960
3 x 6	.375	19.820
3 x 6	.500	25.030
3" x 7"		
3 x 7	.188	11.970
3 x 7	.250	15.620
3 x 7	.375	22.370
3 x 7	.500	28.430
3" x 8"		
3 x 8	.188	13.250
3 x 8	.250	17.320
3 x 8	.313	21.210
3 x 8	.375	24.930
3 x 8	.500	31.840
3" x 10"		
3 x 10	.188	15.800
3 x 10	.250	20.720

O.D. (In.)	Wall (In.)	Wt./Ft. (lbs.)
3" x 12"		
3 x 12	.250	24.120
4" x 5"		
4 x 5	.188	10.700
4 x 5	.250	13.910
4 x 5	.375	19.820
4" x 6"		
4 x 6	.120	7.964
4 x 6	.188	11.970
4 x 6	.250	15.620
4 x 6	.313	19.080
4 x 6	.375	22.370
4 x 6	.500	28.430
4" x 7"		
4 x 7	.188	13.250
4 x 7	.250	17.320
4 x 7	.375	24.930
4" x 8"		
4 x 8	.188	14.530
4 x 8	.250	19.020
4 x 8	.313	23.340
4 x 8	.375	27.480
4 x 8	.500	35.240
4" x 10"		
4 x 10	.188	17.080
4 x 10	.250	22.420
4 x 10	.313	27.590
4 x 10	.375	32.580
4 x 10	.500	42.050
4" x 12"		
4 x 12	.188	19.630
4 x 12	.250	25.820
4 x 12	.313	31.840
4 x 12	.375	37.690
4 x 12	.500	48.850
4" x 14"		
4 x 14	.250	29.230
4 x 14	.375	42.790
5" x 7"		
5 x 7	.188	14.530
5 x 7	.250	19.020
5 x 7	.313	23.340
5 x 7	.375	27.480
5 x 7	.500	35.240
5" x 9"		
5 x 9	.375	32.580
5" x 10"		
5 x 10	.250	24.120
5 x 10	.375	35.140
6" x 8"		
6 x 8	.188	17.080
6 x 8	.250	22.420
6 x 8	.313	27.590
6 x 8	.375	32.580
6 x 8	.500	42.050

O.D. (In.)	Wall (In.)	Wt./Ft. (lbs.)
6" x 10"		
6 x 10	.188	19.630
6 x 10	.250	25.820
6 x 10	.313	31.840
6 x 10	.375	37.690
6 x 10	.500	48.850
6" x 12"		
6 x 12	.188	22.180
6 x 12	.250	29.230
6 x 12	.313	36.100
6 x 12	.375	42.790
6 x 12	.500	55.660
6" x 14"		
6 x 14	.250	32.630
6 x 14	.375	47.900
6 x 14	.500	62.460
6" x 18"		
6 x 18	.375	58.100
6 x 18	.500	76.070
7" x 9"		
7 x 9	.188	19.630
7 x 9	.250	25.820
7 x 9	.313	31.840
7 x 9	.375	37.690
8" x 10"		
8 x 10	.250	29.230
8 x 10	.313	36.100
8 x 10	.375	42.790
8 x 10	.500	55.660
8" x 12"		
8 x 12	.188	24.730
8 x 12	.250	32.630
8 x 12	.375	47.900
8 x 12	.500	62.460
8 x 12	.625	76.330
8" x 16"		
8 x 16	.375	58.100
8 x 16	.500	76.070
8" x 20"		
8 x 20	.500	89.680
10" x 12"		
10 x 12	.250	36.520
10" x 14"		
10 x 14	.313	48.860
10 x 14	.375	58.100
10 x 14	.500	76.070
12" x 16"		
12 x 16	.375	68.310
12 x 16	.500	89.680
12" x 20"		
12 x 20	.375	78.530
12 x 20	.500	103.300

A-500 STRUCTURAL CARBON STEEL PIPE

Pipe Size	O.D. (In.)	Wall (In.)	Wt./Ft. (lbs.)
Nominal			
3/4"	1.050	.083	0.86
3/4"	1.050	.113	1.13
Nominal			
1"	1.315	.109	1.40
1"	1.315	.133	1.68
Nominal			
1-1/4"	1.660	.109	1.40
1-1/4"	1.660	.134	2.24
1-1/4"	1.660	.191	2.98
Nominal			
1-1/2"	1.900	.145	2.72
1-1/2"	1.900	.200	3.63
Nominal			
2"	2.375	.109	2.64
2"	2.375	.154	3.65
2"	2.375	.218	5.03
Nominal			
2-1/2"	2.875	.203	5.80
2-1/2"	2.875	.276	7.67
Nominal			
3"	3.500	.148	5.30
3"	3.500	.216	7.58
3"	3.500	.300	10.25
Nominal			
3-1/2"	4.000	.226	9.12
3-1/2"	4.000	.318	12.51

Pipe Size	O.D. (In.)	Wall (In.)	Wt./Ft. (lbs.)
Nominal			
4"	4.500	.237	10.80
4"	4.500	.337	15.00
Nominal			
5"	5.563	.258	14.63
5"	5.563	.375	20.80
Nominal			
6"	6.625	.280	18.99
6"	6.625	.432	28.57
6"	6.625	.500	32.71
Nominal			
8"	8.625	.322	28.58
8"	8.625	.500	43.39
8"	8.625	.500	43.43
Nominal			
10"	10.750	.365	40.52
10"	10.750	.500	54.79
10"	10.750	.594	64.43
Nominal			
12"	12.750	.375	49.61
12"	12.750	.500	65.48