

TUBING

Chatham Steel



CARBON STEEL TUBING

SQUARE

A500-GRADE B

Nominal Size	Wall (Gauge/Decimal)	Wall (Inches)	Wt/ft
½ x ½	16GA	.065	.3840
	18GA	.049	.4671
	16GA	.065	.6049
	15GA	.075	.6789
	14GA	.083	.7529
1 x 1	18GA	.049	.6285
	16GA	.065	.8226
	15GA	.075	.9086
	14GA	.083	1.034
	13GA	.095	1.172
	12GA	.109	1.328
1 ½ x 1 ½	11GA	.120	1.448
	18GA	.049	.7170
	16GA	.065	.9370
	15GA	.075	1.057
	14GA	.083	1.317
1 ½ x 1 ¼	13GA	.095	1.492
	12GA	.109	1.691
	11GA	.120	1.844
	18GA	.049	.8003
	16GA	.065	1.047
	15GA	.075	1.182
1 ½ x 1 ¼	14GA	.083	1.317
	13GA	.095	1.492
	12GA	.109	1.691
	11GA	.120	1.844
	¾	.190	2.40
	1 ½ x 1 ½	18GA	.049
1 ½ x 1 ½	16GA	.065	1.257
	15GA	.073	1.398
	14GA	.083	1.589
	13GA	.095	1.806
	12GA	.109	2.056
	11GA	.120	2.249
	¾	.188	3.04
	½	.250	4.25
	Decimals	Inches	
2 x 2	.1250	½	3.05
	.1875	⅜	4.32
	.2500	¼	5.41
	.3125	⅝	6.32
2 ½ x 2 ½	.1250	½	3.90
	.1875	⅜	5.59
	.2500	¼	7.11
	.3125	⅝	8.43
3x 3	.1250	½	4.75
	.1875	⅜	6.87
	.2500	¼	8.81
	.3125	⅝	10.58
	.3750	¾	12.16

CARBON STEEL TUBING

SQUARE — Continued

A500-GRADE B

Nominal Size	Wall (decimals inches)	Wall (Inches)	Wt/ft.
3½ x 3½	.1250	¼	5.61
	.1875	⅜	8.15
	.2500	½	10.51
	.3125	⅝	12.70
	.3750	¾	14.71
4 x 4	.1250	¼	6.46
	.1875	⅜	9.42
	.2500	½	12.21
	.3125	⅝	14.83
	.3750	¾	17.30
	.5000	½	21.61
4½ x 4½	.1875	⅜	10.70
	.2500	½	13.91
	.3130	⅝	16.96
	.3750	¾	19.82
5 x 5	.1875	⅜	11.97
	.2500	½	15.62
	.3125	⅝	19.08
	.3750	¾	22.37
	.5000	½	28.43
5½ x 5½	.1875	⅜	13.25
	.2500	½	17.32
	.3125	⅝	21.21
	.3750	¾	29.43
	.5000	½	31.84
6 x 6	.1875	⅜	14.53
	.2500	½	19.02
	.3125	⅝	23.34
	.3750	¾	27.48
	.5000	½	35.24
	.6250	⅝	42.30
7 x 7	.1875	⅜	17.08
	.2500	½	22.42
	.3125	⅝	27.59
	.3750	¾	32.58
	.5000	½	42.05
	.6250	¾	50.81
8 x 8	.1875	⅜	19.63
	.2500	½	25.82
	.3125	⅝	31.84
	.3750	¾	37.70
	.5000	½	48.85
	.6250	¾	59.32

CARBON STEEL TUBING

SQUARE — Continued

A500-GRADE B

Nominal Size	Wall (decimals inches)	Wall (Inches)	Wt/ft.	
9 x 9	.1875	$\frac{3}{16}$	22.18	
	.2500	$\frac{1}{4}$	29.23	
	.3125	$\frac{5}{16}$	36.10	
	.3750	$\frac{3}{8}$	42.79	
	.5000	$\frac{1}{2}$	55.66	
	.6250	$\frac{5}{8}$	67.82	
10 x 10	.1875	$\frac{3}{16}$	24.73	
	.2500	$\frac{1}{4}$	32.63	
	.3125	$\frac{5}{16}$	40.35	
	.3750	$\frac{3}{8}$	47.90	
	.5000	$\frac{1}{2}$	62.46	
	.6250	$\frac{5}{8}$	76.33	
12 x 12	.7500	$\frac{3}{4}$	89.50	
	.2500	$\frac{1}{4}$	39.43	
	.3125	$\frac{5}{16}$	48.86	
	.3750	$\frac{3}{8}$	58.10	
	.5000	$\frac{1}{2}$	76.07	
	.6250	$\frac{5}{8}$	93.36	
14 x 14	.7500	$\frac{3}{4}$	110.00	
	.3125	$\frac{5}{16}$	57.36	
	.3750	$\frac{3}{8}$	68.31	
	.5000	$\frac{1}{2}$	89.68	
	.6250	$\frac{5}{8}$	110.36	
	.7500	$\frac{3}{4}$	130.00	
16 x 16	.8750	$\frac{7}{8}$	149.00	
	.3125	$\frac{5}{16}$	65.87	
	.3750	$\frac{3}{8}$	78.52	
	.5000	$\frac{1}{2}$	103.30	
	.6250	$\frac{5}{8}$	127.37	
	.7500	$\frac{3}{4}$	151.00	
18 x 18	.8750	$\frac{7}{8}$	173.00	
	.5000	$\frac{1}{2}$	117.00	
	.6250	$\frac{5}{8}$	144.00	
	.7500	$\frac{3}{4}$	171.00	
	.8750	$\frac{7}{8}$	197.00	
	20 x 20	.5000	$\frac{1}{2}$	130.00
.6250		$\frac{5}{8}$	161.00	
.7500		$\frac{3}{4}$	191.00	
.8750		$\frac{7}{8}$	220.00	
22 x 22		.7500	$\frac{3}{4}$	212.00
		.8750	$\frac{7}{8}$	245.00

CARBON STEEL TUBING

RECTANGULAR

A500-GRADE B

Nominal Size	Wall (decimals)	Wall (decimal/inches)	Wt/ft.
2 x 1	18GA.	.049	.955
	16GA.	.065	1.257
	15GA.	.075	1.434
	14GA.	.083	1.589
	13GA.	.095	1.806
	12GA.	.109	2.056
	11GA.	.120	2.252
2 x 1½	.1880	¾	3.040
	11GA.	.120	2.630
2½ x 1½	.1880	¾	3.680
	16GA.	.0625	1.711
2½ x 2	14GA.	.083	2.164
	11GA.	.120	3.480
	.1880	¾	4.960
	.2500	¾	6.260
	11GA.	.120	3.450
3 x 1	.1880	¾	4.960
	.2500	¾	6.260
	16GA.	.0625	1.711
3 x 1½	14GA.	.0830	2.164
	11GA.	.120	3.050
	14GA.	.083	2.246
3 x 2	.1250	½	3.480
	.1875	¾	4.970
	.2500	¾	6.250
	14GA.	.083	2.278
	.1250	½	3.900
3½ x 2½	.1875	¾	5.590
	.2500	¾	7.110
	.3125	¾	8.430
	.1250	½	4.750
	.1880	¾	6.870
4 x 1½	.2500	¾	8.810
	.1250	½	4.330
	.1880	¾	6.230
4 x 2	.2500	¾	7.960
	14GA.	.083	3.293
	.1250	½	4.750
	.1875	¾	6.870
	.2500	¾	8.810
4 x 2½	.3125	¾	10.580
	.3750	¾	8.810
	.1250	½	5.180
	.1880	¾	7.510
	.2500	¾	9.660
4 x 3	.1250	½	5.610
	.1875	¾	8.150
	.2500	¾	10.510
	.3125	¾	12.700
	.3750	¾	14.720
5 x 2	.1250	½	5.610
	.1875	¾	8.150
	.2500	¾	10.510
	.3125	¾	12.700
	.3750	¾	14.710
5 x 2½	.1250	½	6.030
	.1880	¾	8.780
	.2500	¾	11.360
5 x 3	.1250	½	6.46
	.1875	¾	9.42
	.2500	¾	12.21
	.3125	¾	14.83
	.3750	¾	17.27
	.5000	¾	21.63

CARBON STEEL TUBING

RECTANGULAR — Continued

A500-GRADE B

Nominal Size	Decimals	Inches	Wt/ft.
5 x 4	.1875	$\frac{3}{16}$	10.70
	.2500	$\frac{1}{4}$	13.91
	.3125	$\frac{5}{16}$	16.96
	.3750	$\frac{3}{8}$	19.82
	.5000	$\frac{1}{2}$	25.03
6 x 2	.1250	$\frac{1}{8}$	6.46
	.1875	$\frac{3}{16}$	9.42
	.2500	$\frac{1}{4}$	12.21
	.3125	$\frac{5}{16}$	14.83
	.3750	$\frac{3}{8}$	17.27
6 x 3	.1875	$\frac{3}{16}$	10.70
	.2500	$\frac{1}{4}$	13.91
	.3125	$\frac{5}{16}$	16.96
	.3750	$\frac{3}{8}$	19.82
	.5000	$\frac{1}{2}$	25.03
6 x 4	.1875	$\frac{3}{16}$	11.97
	.2500	$\frac{1}{4}$	15.62
	.3125	$\frac{5}{16}$	19.08
	.3750	$\frac{3}{8}$	22.37
	.5000	$\frac{1}{2}$	28.43
6 x 5	.1875	$\frac{3}{16}$	13.25
	.2500	$\frac{1}{4}$	17.32
	.3125	$\frac{5}{16}$	21.21
	.3750	$\frac{3}{8}$	24.93
	.5000	$\frac{1}{2}$	31.84
7 x 3	.1875	$\frac{3}{16}$	11.97
	.2500	$\frac{1}{4}$	15.62
	.3125	$\frac{5}{16}$	19.08
	.3750	$\frac{3}{8}$	22.37
	.5000	$\frac{1}{2}$	28.43
7 x 4	.1875	$\frac{3}{16}$	13.25
	.2500	$\frac{1}{4}$	17.32
	.3125	$\frac{5}{16}$	21.21
	.3750	$\frac{3}{8}$	24.93
	.5000	$\frac{1}{2}$	31.84
7 x 5	.1875	$\frac{3}{16}$	14.53
	.2500	$\frac{1}{4}$	19.02
	.3125	$\frac{5}{16}$	23.34
	.3750	$\frac{3}{8}$	27.48
	.5000	$\frac{1}{2}$	35.24
8 x 2	.1875	$\frac{3}{16}$	11.97
	.2500	$\frac{1}{4}$	15.62
	.3125	$\frac{5}{16}$	19.08
	.3750	$\frac{3}{8}$	22.37
8 x 3	.1875	$\frac{3}{16}$	13.25
	.2500	$\frac{1}{4}$	17.32
	.3125	$\frac{5}{16}$	21.21
	.3750	$\frac{3}{8}$	24.93
	.5000	$\frac{1}{2}$	31.84
8 x 4	.1875	$\frac{3}{16}$	14.53
	.2500	$\frac{1}{4}$	19.02
	.3125	$\frac{5}{16}$	23.34
	.3750	$\frac{3}{8}$	27.48
	.5000	$\frac{1}{2}$	35.24
	.6250	$\frac{5}{8}$	42.30
8 x 6	.1875	$\frac{3}{16}$	17.08
	.2500	$\frac{1}{4}$	22.42
	.3125	$\frac{5}{16}$	27.59
	.3750	$\frac{3}{8}$	32.58
	.5000	$\frac{1}{2}$	42.05
	.6250	$\frac{5}{8}$	50.81
9 x 3	.1875	$\frac{3}{16}$	14.53
	.2500	$\frac{1}{4}$	19.02
	.3125	$\frac{5}{16}$	23.34
	.3750	$\frac{3}{8}$	27.48
	.5000	$\frac{1}{2}$	35.24

CARBON STEEL TUBING

RECTANGULAR — Continued

A500-GRADE B

Nominal Size	Decimals	Inches	Wt./ft.
9 x 5	.1875	$\frac{3}{16}$	17.08
	.2500	$\frac{1}{4}$	22.42
	.3125	$\frac{5}{16}$	27.59
	.3750	$\frac{3}{8}$	32.58
	.5000	$\frac{1}{2}$	42.05
	.6250	$\frac{5}{8}$	50.81
9 x 7	.1875	$\frac{3}{16}$	19.63
	.2500	$\frac{1}{4}$	25.82
	.3125	$\frac{5}{16}$	31.84
	.3750	$\frac{3}{8}$	37.69
	.5000	$\frac{1}{2}$	48.85
	.6250	$\frac{5}{8}$	59.32
10 x 2	.1875	$\frac{3}{16}$	14.53
	.2500	$\frac{1}{4}$	19.02
	.3125	$\frac{5}{16}$	23.34
	.3750	$\frac{3}{8}$	27.48
10 x 3	.1880	$\frac{3}{16}$	15.80
	.2500	$\frac{1}{4}$	20.72
	.3130	$\frac{5}{16}$	25.46
	.3750	$\frac{3}{8}$	30.03
10 x 4	.1875	$\frac{3}{16}$	17.08
	.2500	$\frac{1}{4}$	22.42
	.3125	$\frac{5}{16}$	27.59
	.3750	$\frac{3}{8}$	32.58
	.5000	$\frac{1}{2}$	42.05
	.6250	$\frac{5}{8}$	50.81
10 x 5	.1880	$\frac{3}{16}$	18.35
	.2500	$\frac{1}{4}$	24.12
	.3130	$\frac{5}{16}$	29.72
	.3750	$\frac{3}{8}$	35.13
	.5000	$\frac{1}{2}$	45.45
	.6250	$\frac{5}{8}$	55.06
10 x 6	.1875	$\frac{3}{16}$	19.63
	.2500	$\frac{1}{4}$	25.82
	.3125	$\frac{5}{16}$	31.84
	.3750	$\frac{3}{8}$	37.69
	.5000	$\frac{1}{2}$	48.85
	.6250	$\frac{5}{8}$	59.32
10 x 8	.1875	$\frac{3}{16}$	22.18
	.2500	$\frac{1}{4}$	29.23
	.3125	$\frac{5}{16}$	36.10
	.3750	$\frac{3}{8}$	42.79
	.5000	$\frac{1}{2}$	55.66
	.6250	$\frac{5}{8}$	67.82
12 x 2	.1880	$\frac{3}{16}$	17.08
	.2500	$\frac{1}{4}$	22.42
	.3130	$\frac{5}{16}$	27.59
12 x 3	.1880	$\frac{3}{16}$	18.35
	.2500	$\frac{1}{4}$	24.12
	.3130	$\frac{5}{16}$	29.72
12 x 4	.1875	$\frac{3}{16}$	19.63
	.2500	$\frac{1}{4}$	25.82
	.3125	$\frac{5}{16}$	31.84
	.3750	$\frac{3}{8}$	37.69
	.5000	$\frac{1}{2}$	48.85
	.6250	$\frac{5}{8}$	59.32
12 x 6	.1875	$\frac{3}{16}$	22.18
	.2500	$\frac{1}{4}$	29.23
	.3125	$\frac{5}{16}$	36.10
	.3750	$\frac{3}{8}$	42.79
	.5000	$\frac{1}{2}$	55.66
	.6250	$\frac{5}{8}$	67.82

CARBON STEEL TUBING

RECTANGULAR — Continued

A500-GRADE B

Nominal Size	Decimals	Inches	Wt/ft.
12 x 8	.1875	$\frac{3}{16}$	24.73
	.2500	$\frac{1}{4}$	32.63
	.3125	$\frac{5}{16}$	40.35
	.3750	$\frac{3}{8}$	47.90
	.5000	$\frac{1}{2}$	62.46
	.6250	$\frac{5}{8}$	76.33
12 x 10	.2500	$\frac{1}{4}$	36.03
	.3125	$\frac{5}{16}$	44.60
	.3750	$\frac{3}{8}$	53.00
	.5000	$\frac{1}{2}$	69.27
	.6250	$\frac{5}{8}$	84.84
	14 x 4	.1875	$\frac{3}{16}$
.2500		$\frac{1}{4}$	29.23
.3125		$\frac{5}{16}$	36.10
.3750		$\frac{3}{8}$	42.79
.5000		$\frac{1}{2}$	55.66
.6250		$\frac{5}{8}$	67.82
14 x 6	.2500	$\frac{1}{4}$	32.63
	.3125	$\frac{5}{16}$	40.35
	.3750	$\frac{3}{8}$	47.90
	.5000	$\frac{1}{2}$	62.46
	.6250	$\frac{5}{8}$	76.33
	14 x 10	.2500	$\frac{1}{4}$
.3125		$\frac{5}{16}$	48.86
.3750		$\frac{3}{8}$	58.10
.5000		$\frac{1}{2}$	76.07
.6250		$\frac{5}{8}$	93.36
16 x 4		.2500	$\frac{1}{4}$
	.3125	$\frac{5}{16}$	40.35
	.3750	$\frac{3}{8}$	47.90
	.5000	$\frac{1}{2}$	62.46
	.6250	$\frac{5}{8}$	76.33
	16 x 8	.2500	$\frac{1}{4}$
.3125		$\frac{5}{16}$	48.86
.3750		$\frac{3}{8}$	58.10
.5000		$\frac{1}{2}$	76.07
.6250		$\frac{5}{8}$	93.34
16 x 12		.3125	$\frac{5}{16}$
	.3750	$\frac{3}{8}$	68.31
	.5000	$\frac{1}{2}$	89.68
	.6250	$\frac{5}{8}$	110.56
	.7500	$\frac{3}{4}$	130.00
	18 x 6	.2500	$\frac{1}{4}$
.3125		$\frac{5}{16}$	48.86
.3750		$\frac{3}{8}$	58.10
.5000		$\frac{1}{2}$	76.07
.6250		$\frac{5}{8}$	93.36
20 x 4		.2500	$\frac{1}{4}$
	.3125	$\frac{5}{16}$	48.86
	.3500	$\frac{3}{8}$	58.10
	.5000	$\frac{1}{2}$	76.07
20 x 8	.3125	$\frac{5}{16}$	57.36
	.3750	$\frac{3}{8}$	68.31
	.5000	$\frac{1}{2}$	89.68
	.6250	$\frac{5}{8}$	110.36
20 x 12	.3125	$\frac{5}{16}$	65.87
	.3750	$\frac{3}{8}$	78.52
	.5000	$\frac{1}{2}$	103.30
	.6250	$\frac{5}{8}$	127.37
24 x 12	.7500	$\frac{3}{4}$	151.00
	.5000	$\frac{1}{2}$	117.00
	.6250	$\frac{5}{8}$	144.00
	.7500	$\frac{3}{4}$	171.00

A-500 Grade B

Min. Tensil Strength 58,000 — Min. Yield Strength 46,000

CARBON STEEL TUBING ROUND

Nominal Size	Wall	Wt/ft	Nominal Size	Wall	Wt/ft			
¾ OD	16	.3888	1 1/8 OD	13	1.426			
	15	.4252		12	1.619			
	14	.4805		11	1.769			
¾ OD	18	.3668	1 1/4 OD	20	.6411			
	16	.4755		18	.8902			
	15	.5214		16	1.170			
	14	.5913		15	1.290			
	13	.6646		14	1.478			
¾ OD	18	.4323	13	1.679				
	16	.5623	12	1.910				
	15	.6175	11	2.089				
1 OD			2 OD	20	.7345			
				18	1.021			
			16	1.343				
			15	1.483				
			14	1.699				
			13	1.933				
			12	2.201				
			11	2.409				
1 1/8 OD			2 1/4	18	1.152			
				16	1.517			
				15	1.675			
				14	1.921			
				13	2.186			
1 1/4 OD			2 1/2 OD	12	2.492			
				11	2.730			
				16	1.690			
				15	1.867			
				14	2.143			
			13	2.440				
			12	2.783				
			11	3.050				
			1 1/2			2 3/4	16	1.863
							15	2.059
14	2.364							
13	2.693							
12	3.047							
14	1.034	3 OD				11	3.370	
13	1.172					16	2.037	
12	1.328					15	2.252	
11	1.448					14	2.586	
13	1.172					13	2.947	
12	1.328	12	3.365					
11	1.448	11	3.691					
1 3/4			4 OD	16	2.037			
				15	2.252			
				14	2.586			
				13	2.947			
				12	3.365			
1 3/4				11	3.691			
				15	1.097			
				14	1.256			
1 3/4				12	4.529			

OTHER AVAILABLE PRODUCTS AND GRADES

Pipe and Tubing

Carbon	J524	CDS	A500 Grade B/C
	J525	W&D	
	J356	ERW	
	A254	Bundyweld	
	ST52.3	DOM,HFS	
	ST37.2	DOM	
Alloy	4130	NORM,SRA,HT,HFS,CDS,	Structurals
	4140	CDS,NORM,SRA,HT,HFS	
	4340	CDS,NORM,SRA,HT,HFS	
	8620	CDS,SRA,HFS	
	52100	HFS,ANN,CDS	
Aluminum	1100	DRN	
	2024	DRN,EX,Structural	
	5086	DRN,EX,SMLS	
	7075	DRN,EX	

OTHER SIZES AND LENGTHS

At Chatham we carry the common as well as the difficult to find Hollow Structural Steel sizes in incremental lengths. In many sizes, we stock the following lengths: 28', 32', 36', 40', 44', 48', 52', or 60'. We are constantly adding additional HSS sizes and lengths so be sure to inquire for your specific job requirements. We will nest your lengths with our inventory and make you a cut sheet with your piece marks or cut it to length and piece mark them for you. Let us minimize your waste on your HSS requirements.

