

CARBON STEEL TUBING

SQUARE

A513 T-1

Nominal Size	Wall (Gauge/Decimal)	Wall (Inches)	Wt/ft
½ x ½	18GA .065	⅛	.3840
	18GA .049	⅜	.4671
	16GA .065	¼	.6049
	15GA .075	⅜	.6789
1 x 1	14GA .083	⅜	.7529
	18GA .049	⅛	.6285
	16GA .065	⅜	.8226
	15GA .075	¼	.9086
	14GA .083	⅜	1.034
	13GA .095	½	1.172
1½ x 1½	12GA .109	⅜	1.328
	11GA .120	½	1.448
	18GA .049	⅛	.7170
	16GA .065	⅜	.9370
	15GA .075	¼	1.057
	14GA .083	⅜	1.317
1¾ x 1¾	13GA .095	½	1.492
	12GA .109	⅜	1.691
	11GA .120	½	1.844
	18GA .049	⅛	.8003
	16GA .065	⅜	1.047
	15GA .075	¼	1.182
1½ x 1½	14GA .083	⅜	1.317
	13GA .095	½	1.492
	12GA .109	⅜	1.691
	11GA .120	½	1.844
	¾	.188* A500	2.40
	¼	.250* A500	4.25

A500	Decimals	Inches	Wt/ft
2 x 2	.1250	⅛	3.05
	.1875	⅜	4.32
	.2500	¼	5.41
	.3125	⅜	7.18
2½ x 2½	.1250	⅛	3.90
	.1875	⅜	5.59
	.2500	¼	7.11
	.3125	⅜	8.43
3 x 3	.1250	⅛	4.75
	.1875	⅜	6.87
	.2500	¼	8.81
	.3125	⅜	10.58
	.3750	⅝	12.17

CARBON STEEL TUBING

SQUARE — Continued

A500-B or GRADE B/C

Nominal Size	Wall (decimals inches)	Wall (Inches)	Wt/ft.
3½ x 3½	.1250	⅛	5.61
	.1875	⅜	8.15
	.2500	¼	10.51
	.3125	⅜	12.70
	.3750	⅝	14.71
4 x 4	.1250	⅛	6.46
	.1875	⅜	9.42
	.2500	¼	12.21
	.3125	⅜	14.83
	.3750	⅝	17.30
4½ x 4½	.5000	½	21.61
	.1875	⅜	10.70
	.2500	¼	13.91
	.3130	⅜	16.96
	.3750	⅝	19.82
5 x 5	.1875	⅜	11.97
	.2500	¼	15.62
	.3125	⅜	19.08
	.3750	⅝	22.37
	.5000	½	28.43
5½ x 5½	.1875	⅜	13.25
	.2500	¼	17.32
	.3125	⅜	21.21
	.3750	⅝	25.43
	.5000	½	31.84
6 x 6	.1875	⅜	14.53
	.2500	¼	19.02
	.3125	⅜	23.34
	.3750	⅝	27.48
	.5000	½	35.24
6½ x 6½	.6250	⅝	42.30
	.1875	⅜	17.08
	.2500	¼	22.42
	.3125	⅜	27.59
	.3750	⅝	32.58
7 x 7	.5000	½	42.05
	.6250	⅝	50.81
	.1875	⅜	19.63
	.2500	¼	25.82
	.3125	⅜	31.84
8 x 8	.3750	⅝	37.70
	.5000	½	48.85
	.6250	⅝	59.32
	.1875	⅜	22.18
	.2500	¼	29.23
9 x 9	.3125	⅜	36.10
	.3750	⅝	42.79
	.5000	½	55.66
	.6250	⅝	67.82
	.1875	⅜	24.73
10 x 10	.2500	¼	32.63
	.3125	⅜	40.35
	.3750	⅝	47.90
	.5000	½	62.46
	.6250	⅝	76.33
12 x 12	.7500	¾	89.50
	.2500	¼	39.43
	.3125	⅜	48.86
	.3750	⅝	58.10
	.5000	½	76.07
14 x 14	.6250	⅝	93.36
	.7500	¾	110.00
	.3125	⅜	57.36
	.3750	⅝	68.31
	.5000	½	89.68
16 x 16	.6250	⅝	110.36
	.7500	¾	130.00
	.8750	⅞	149.00
	.3125	⅜	65.87
	.3750	⅝	78.52
18 x 18	.5000	½	103.30
	.6250	⅝	127.37
	.7500	¾	151.00
	.8750	⅞	173.00
	.5000	½	117.00
20 x 20	.6250	⅝	144.00
	.7500	¾	171.00
	.8750	⅞	197.00
	.5000	½	130.00
22 x 22	.6250	⅝	161.00
	.7500	¾	191.00
	.8750	⅞	220.00
	.7500	¾	212.00
	.8750	⅞	245.00


Nominal Size	Wall (decimals)	Wall (decimals/inches)	Wt/ft.
2 x 1	.16GA.*	.049	.955
	.15GA.*	.075	1.257
	.14GA.*	.083	1.434
	.13GA.*	.095	1.589
	.12GA.*	.109	1.806
	.11GA.	.120	2.056
2 x 1½	.1880	⅜	2.522
	.1880	⅜	3.040
2½ x 1½	.16GA.*	.0625	1.711
	.14GA.*	.083	2.164
	.11GA.	.120	3.480
	.2500	¼	4.960
2½ x 2	.11GA.	.120	3.450
	.1880	⅜	4.960
	.2500	¼	6.260
	.16GA.*	.0625	1.711
3 x 1	.14GA.*	.0830	2.164
	.11GA.	.120	3.050
	.14GA.*	.083	2.486
	.1250	⅜	3.480
3 x 1½	.1875	⅜	4.970
	.2500	¼	6.250
	.14GA.*	.083	2.278
	.1250	⅜	3.900
3 x 2	.1875	⅜	5.590
	.2500	¼	7.110
	.3125	⅜	8.430
	.1250	⅜	4.750
3½ x 2½	.1880	⅜	6.870
	.2500	¼	8.810
	.1250	⅜	4.750
4 x 1½	.1880	⅜	6.870
	.2500	¼	7.960
	.14GA.*	.083	3.293
	.1250	⅜	4.750
4 x 2	.1875	⅜	6.870
	.2500	¼	8.810
	.3125	⅜	10.580
	.3750	⅝	12.17
4 x 2½	.1250	⅜	5.180
	.1880	⅜	7.510
	.2500	¼	9.660
4 x 3	.1250	⅜	5.610
	.1875	⅜	8.150
	.2500	¼	10.510
	.3125	⅜	12.720
5 x 2	.3750	⅝	14.720
	.1250	⅜	5.610
	.1875	⅜	8.150
	.2500	¼	10.510
5 x 2½	.3125	⅜	12.700
	.3750	⅝	14.710
	.1250	⅜	6.030
	.1880	⅜	8.780
5 x 3	.2500	¼	11.360
	.1250	⅜	6.46
	.1875	⅜	9.42
5 x 3½	.2500	¼	12.21
	.3125	⅜	14.83
	.3750	⅝	17.30
	.5000	½	21.61

A-500 Grade B
 Min. Tensile Strength 58,000 — Min. Yield Strength 46,000


CARBON STEEL TUBING ROUND

Nominal Size	Wall	Wt/ft	Nominal Size	Wall	Wt/ft	
5/8 OD	16	.3888	1 3/4 OD	13	1.426	
	15	.4252		12	1.619	
	14	.4805		11	1.769	
3/4 OD	18	.3668		20	.6411	
	16	.4755		18	.8902	
	15	.5214		16	1.170	
	14	.5913		15	1.290	
	13	.6646		14	1.478	
7/8 OD	18	.4323		13	1.679	
	16	.5623	12	1.910		
	15	.6175	11	2.089		
1 OD	18	.4977	2 OD	20	.7345	
				18	1.021	
				16	1.343	
			16	.6491	15	1.483
			15	.7236	14	1.699
			14	.8129	13	1.933
			13	.9182	12	2.201
1 1/16 OD	12	1.037	11	2.409		
	11	1.128	2 1/4	18	1.152	
	18	.5306		16	1.517	
	16	.6928		15	1.675	
	15	.7620		14	1.921	
14	.8687	13		2.186		
1 1/8 OD	13	.9821	12	2.492		
	11	1.288	11	2.730		
	20	.4074	2 1/2 OD	16	1.690	
	18	.5631		15	1.867	
	16	.7359		14	2.143	
	15	.8096		13	2.440	
	14	.9237		12	2.783	
13	1.045	11		3.050		
12	1.183	2 3/4		16	1.863	
11	1.288		15	2.059		
1 1/4	20		.4542	14	2.364	
	18		.6285	13	2.693	
	16		.8226	12	3.047	
	15	.9057	11	3.370		
	14	1.034	3 OD	16	2.037	
	13	1.172		15	2.252	
	12	1.328		14	2.586	
11	1.448	13		2.947		
1 1/2	20	.5476	12	3.365		
	18	.7593	11	3.691		
	16	.9962	4 OD	12	4.529	
	15	1.097				
	14	1.256				


JUMBO HSS SQUARE

SHAPE 	DESIGN WALL THICKNESS	NOMINAL WEIGHT
	in.	lbs./ft.
HSS 22" x 22" x 1"	0.930	277.07
HSS 22" x 22" x 7/8"	0.814	244.88
HSS 22" x 22" x 3/4"	0.698	212.00
HSS 22" x 22" x 5/8"	0.581	178.41
HSS 22" x 22" x 1/2"	0.465	144.13
HSS 20" x 20" x 1"	0.930	249.85
HSS 20" x 20" x 7/8"	0.814	221.06
HSS 20" x 20" x 3/4"	0.698	191.58
HSS 20" x 20" x 5/8"	0.581	161.40
HSS 20" x 20" x 1/2"	0.465	130.52
HSS 20" x 20" x 3/8"	0.349	98.94
HSS 18" x 18" x 1"	0.930	222.63
HSS 18" x 18" x 7/8"	0.814	197.24
HSS 18" x 18" x 3/4"	0.698	171.16
HSS 18" x 18" x 5/8"	0.581	144.39
HSS 18" x 18" x 1/2"	0.465	116.91
HSS 18" x 18" x 3/8"	0.349	88.73
HSS 16" x 16" x 1"	0.930	195.40
HSS 16" x 16" x 7/8"	0.814	173.43
HSS 16" x 16" x 3/4"	0.698	150.75
HSS 14" x 14" x 1"	0.930	168.18
HSS 14" x 14" x 7/8"	0.814	149.61
HSS 14" x 14" x 3/4"	0.698	130.33
HSS 12" x 12" x 3/4"	0.930	140.96
HSS 10" x 10" x 3/4"	0.698	89.50

JUMBO HSS RECTANGLE

SHAPE 	DESIGN WALL THICKNESS	NOMINAL WEIGHT
	in.	lbs./ft.
HSS 34" x 10" x 1"	0.930	277.07
HSS 34" x 10" x 7/8"	0.814	244.88
HSS 34" x 10" x 3/4"	0.698	212.00
HSS 34" x 10" x 5/8"	0.581	178.41
HSS 30" x 10" x 1"	0.930	249.85
HSS 30" x 10" x 7/8"	0.814	221.06
HSS 30" x 10" x 3/4"	0.698	191.58
HSS 30" x 10" x 5/8"	0.581	161.40
HSS 30" x 10" x 1/2"	0.465	130.52
HSS 24" x 12" x 1"	0.930	222.63
HSS 24" x 12" x 7/8"	0.814	197.24
HSS 24" x 12" x 3/4"	0.698	171.16
HSS 24" x 12" x 5/8"	0.581	144.39
HSS 24" x 12" x 1/2"	0.465	116.91
HSS 24" x 12" x 3/8"	0.349	88.73
HSS 20" x 12" x 1"	0.930	195.40
HSS 20" x 12" x 7/8"	0.814	173.43
HSS 20" x 12" x 3/4"	0.698	150.75
HSS 20" x 8" x 1"	0.930	168.18
HSS 20" x 8" x 7/8"	0.814	149.61
HSS 20" x 8" x 3/4"	0.698	130.33
HSS 18" x 6" x 3/4"	0.698	109.91
HSS 16" x 12" x 1"	1.000	168.18
HSS 16" x 12" x 7/8"	0.814	149.61
HSS 16" x 12" x 3/4"	0.698	130.33
HSS 16" x 8" x 7/8"	0.814	125.79
HSS 16" x 8" x 3/4"	0.698	109.91
HSS 14" x 10" x 7/8"	0.814	125.79
HSS 14" x 10" x 3/4"	0.698	109.91

JUMBO HSS ROUND

SHAPE 	OD	NOMINAL WALL THICKNESS	DESIGN WALL THICKNESS
	in.	lbs./ft.	
HSS 28" x 1.000"	28	1.000	0.930
HSS 28" x 0.875"	28	0.875	0.814
HSS 28" x 0.750"	28	0.750	0.698
HSS 28" x 0.625"	28	0.625	0.581
HSS 28" x 0.500"	28	0.500	0.465
HSS 24" x 1.000"	24	1.000	0.930
HSS 24" x 0.875"	24	0.875	0.814
HSS 24" x 0.750"	24	0.750	0.698
HSS 24" x 0.625"	24	0.625	0.581
HSS 24" x 0.500"	24	0.500	0.465
HSS 24" x 0.375"	24	0.375	0.349
HSS 20" x 1.000"	20	1.000	0.930
HSS 20" x 0.875"	20	0.875	0.814
HSS 20" x 0.750"	20	0.750	0.698
HSS 18" x 1.000"	18	1.000	0.930
HSS 18" x 0.875"	18	0.875	0.814
HSS 18" x 0.750"	18	0.750	0.698
HSS 16" x 1.000"	16	1.000	0.930
HSS 16" x 0.875"	16	0.875	0.814
HSS 16" x 0.750"	16	0.750	0.698
HSS 14" x 1.000"	14	1.000	0.930
HSS 14" x 0.875"	14	0.875	0.814
HSS 14" x 0.750"	14	0.750	0.698
HSS 12.75" x 0.875"	12.75	0.875	0.814
HSS 12.75" x 0.750"	12.75	0.750	0.698

OTHER AVAILABLE PRODUCTS AND GRADES

Pipe and Tubing

Carbon	J524	CDS
	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.