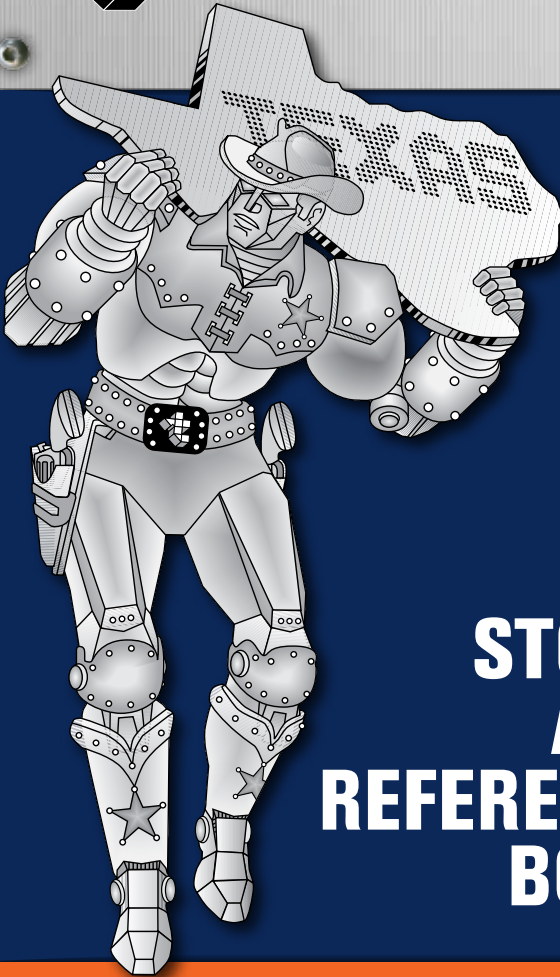




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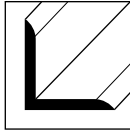
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ANGLE



Angle		
Size	Wgt. Per Ft.	Wgt. Per 20'
1/2 x 1/2 x 1/8	0.38	7.60
3/4 x 3/4 x 1/8	0.59	11.80
1 x 1 x 1/8	0.80	16.00
1 x 1 x 3/16	1.16	23.20
1 x 1 x 1/4	1.49	29.80
1 1/4 x 1 1/4 x 1/8	1.01	20.20
1 1/4 x 1 1/4 x 3/16	1.48	29.60
1 1/4 x 1 1/4 x 1/4	1.92	38.40
1 1/2 x 1 1/2 x 1/8	1.23	24.60
1 1/2 x 1 1/2 x 3/16	1.80	36.00
1 1/2 x 1 1/2 x 1/4	2.34	46.80
1 3/4 x 1 3/4 x 1/8	1.44	28.80
1 3/4 x 1 3/4 x 3/16	2.12	42.40
1 3/4 x 1 3/4 x 1/4	2.77	55.40
2 x 1 1/2 x 1/8	1.44	28.80
2 x 1 1/2 x 3/16	2.12	42.40
2 x 1 1/2 x 1/4	2.77	55.40
2 x 2 x 1/8	1.65	33.00
2 x 2 x 3/16	2.44	48.80
2 x 2 x 1/4	3.19	63.80

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Angle (cont.)

Size	Wgt. Per Ft.	Wgt. Per 20'
2 x 2 x 5/16	3.92	78.40
2 x 2 x 3/8	4.70	94.00
2 1/2 x 1 1/2 x 3/16	2.44	48.80
2 1/2 x 1 1/2 x 1/4	3.19	63.80
2 1/2 x 1 1/2 x 5/16	3.92	78.40
2 1/2 x 2 x 3/16	2.75	55.00
2 1/2 x 2 x 1/4	3.62	72.40
2 1/2 x 2 x 5/16	4.50	90.00
2 1/2 x 2 x 3/8	5.30	106.00
2 1/2 x 2 1/2 x 3/16	3.07	61.40
2 1/2 x 2 1/2 x 1/4	4.10	82.00
2 1/2 x 2 1/2 x 5/16	5.00	100.00
2 1/2 x 2 1/2 x 3/8	5.90	118.00
2 1/2 x 2 1/2 x 1/2	7.70	154.00
3 x 2 x 3/16	3.07	61.40
3 x 2 x 1/4	4.10	82.00
3 x 2 x 5/16	5.00	100.00
3 x 2 x 3/8	5.90	118.00
3 x 2 x 1/2	7.70	154.00
3 x 2 1/2 x 3/16	3.39	67.80
3 x 2 1/2 x 1/4	4.50	90.00
3 x 2 1/2 x 5/16	5.60	112.00
3 x 2 1/2 x 3/8	6.60	132.00
3 x 2 1/2 x 1/2	8.50	170.00
3 x 3 x 3/16	3.70	74.00
3 x 3 x 1/4	4.90	98.00

Continued on next page

Angle (cont.)

Size	Wgt. Per Ft.	Wgt. Per 20'
3 x 3 x 3/8	7.20	144.00
3 x 3 x 1/2	9.40	188.00
3 1/2 x 3 x 1/4	5.40	108.00
3 1/2 x 3 x 5/16	6.60	132.00
3 1/2 x 3 x 3/8	7.90	158.00
3 1/2 x 3 x 1/2	10.20	204.00
3 1/2 x 3 1/2 x 1/4	5.80	116.00
3 1/2 x 3 1/2 x 5/16	7.20	144.00
3 1/2 x 3 1/2 x 3/8	8.50	170.00
3 1/2 x 3 1/2 x 1/2	11.10	222.00
4 x 3 x 1/4	5.80	116.00
4 x 3 x 5/16	7.20	144.00
4 x 3 x 3/8	8.50	170.00
4 x 3 x 1/2	11.10	222.00
4 x 3 1/2 x 1/4	6.20	124.00
4 x 3 1/2 x 5/16	7.70	154.00
4 x 3 1/2 x 3/8	9.10	182.00
4 x 3 1/2 x 1/2	11.90	238.00
4 x 4 x 1/4	6.60	132.00
4 x 4 x 5/16	8.20	164.00
4 x 4 x 3/8	9.80	196.00
4 x 4 x 1/2	12.80	256.00
4 x 4 x 5/8	15.70	314.00
4 x 4 x 3/4	18.50	370.00
5 x 3 x 1/4	6.60	132.00
5 x 3 x 5/16	8.20	164.00

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Angle (cont.)

Size	Wgt. Per Ft.	Wgt. Per 20'
5 x 3 x 3/8	9.80	196.00
5 x 3 x 1/2	12.80	256.00
5 x 3 x 5/8	15.70	314.00
5 x 3 x 3/4	18.50	370.00
5 x 3 1/2 x 1/4	7.00	140.00
5 x 3 1/2 x 5/16	8.70	174.00
5 x 3 1/2 x 3/8	10.40	208.00
5 x 3 1/2 x 1/2	13.60	272.00
5 x 3 1/2 x 5/8	16.80	336.00
5 x 3 1/2 x 3/4	19.80	396.00
5 x 5 x 5/16	10.30	206.00
5 x 5 x 3/8	12.30	246.00
5 x 5 x 1/2	16.20	324.00
5 x 5 x 5/8	20.00	400.00
5 x 5 x 3/4	23.60	472.00
5 x 5 x 7/8	27.20	544.00
6 x 3 1/2 x 5/16	9.80	196.00
6 x 3 1/2 x 3/8	11.70	234.00
6 x 3 1/2 x 1/2	15.30	306.00
6 x 3 1/2 x 5/8	18.80	376.00
6 x 4 x 5/16	10.30	206.00
6 x 4 x 3/8	12.30	246.00
6 x 4 x 1/2	16.20	324.00
6 x 4 x 5/8	20.00	400.00
6 x 4 x 3/4	23.60	472.00
6 x 6 x 5/16	12.50	250.00

Continued on next page

Angle (cont.)

Size	Wgt. Per Ft.	Wgt. Per 20'
6 x 6 x 3/8	14.90	298.00
6 x 6 x 1/2	19.60	392.00
6 x 6 x 5/8	24.20	484.00
6 x 6 x 3/4	28.70	574.00
6 x 6 x 7/8	33.10	662.00
6 x 6 x 1	37.40	748.00
7 x 4 x 3/8	13.60	272.00
7 x 4 x 1/2	17.90	358.00
7 x 4 x 3/4	26.20	524.00
8 x 4 x 1/2	19.60	392.00
8 x 4 x 5/8	24.20	484.00
8 x 4 x 3/4	28.70	574.00
8 x 4 x 1	37.40	748.00
8 x 6 x 1/2	23.00	460.00
8 x 6 x 5/8	28.50	570.00
8 x 6 x 3/4	33.80	676.00
8 x 6 x 1	44.20	884.00
8 x 8 x 1/2	26.40	528.00
8 x 8 x 5/8	32.70	654.00
8 x 8 x 3/4	38.90	778.00
8 x 8 x 7/8	45.00	900.00
8 x 8 x 1	51.00	1020.00
8 x 8 x 1 1/8	56.90	1138.00
9 x 4 x 1/2	21.30	426.00
9 x 4 x 5/8	26.30	526.00
9 x 4 x 3/4	31.30	626.00

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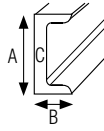
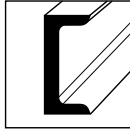
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CHANNEL



Channel

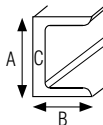
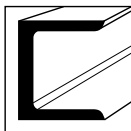
(A) Depth Inches		Weight Per Ft.	(B) Flange Width	(C) Web Thk.
3	x	3.50#	1.360	0.140
3	x	4.10#	1.410	0.170
3	x	5.00#	1.498	0.258
3	x	6.00#	1.596	0.356
4	x	4.50#	1.520	0.145
4	x	5.40#	1.580	0.180
4	x	6.25#	1.647	0.247
4	x	7.25#	1.720	0.320
5	x	6.70#	1.750	0.190
5	x	9.00#	1.885	0.325
6	x	8.20#	1.920	0.200
6	x	10.50#	2.034	0.314
6	x	13.00#	2.157	0.437
7	x	9.80#	2.090	0.210
7	x	12.25#	2.194	0.314
7	x	14.75#	2.299	0.419
8	x	8.50#	1.875	0.180
8	x	11.50#	2.260	0.220
8	x	13.75#	2.343	0.303
8	x	18.75#	2.527	0.487

Continued on next page

Channel

(A) Depth Inches		Weight Per Ft.	(B) Flange Width	(C) Web Thk.
9	x	13.40#	2.430	0.230
9	x	15.00#	2.485	0.285
9	x	20.00#	2.648	0.448
10	x	15.30#	2.600	0.240
10	x	20.00#	2.739	0.379
10	x	25.00#	2.886	0.526
10	x	30.00#	3.033	0.673
12	x	20.70#	2.940	0.280
12	x	25.00#	3.047	0.387
12	x	30.00#	3.170	0.510
15	x	33.90#	3.400	0.400
15	x	40.00#	3.520	0.520
15	x	50.00#	3.716	0.716

Misc. Channel



(A) Depth Inches		Weight Per Ft.	(B) Flange Width	(C) Web Thk.
3	x	7.10#	1.938	0.312
4	x	13.80#	2.500	0.500
6	x	12.00#	2.497	0.310

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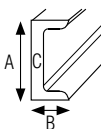
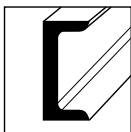
Misc. Channel (cont.)

(A) Depth Inches		Weight Per Ft.	(B) Flange Width	(C) Web Thk.
6	x	15.10#	2.938	0.316
6	x	15.30#	3.500	0.340
6	x	16.30#	3.000	0.375
6	x	18.00#	3.500	0.379
7	x	17.60#	3.000	0.375
7	x	19.10#	3.450	0.352
7	x	22.70#	3.600	0.503
8	x	8.50#	1.875	0.180
8	x	18.70#	2.975	0.353
8	x	20.00#	3.025	0.400
8	x	21.40#	3.450	0.375
8	x	22.80#	3.500	0.427
9	x	23.90#	3.450	0.400
9	x	25.40#	3.500	0.450
10	x	6.50#	1.125	0.152
10	x	8.40#	1.500	0.170
10	x	22.00#	3.315	0.290
10	x	25.00#	3.405	0.380
10	x	28.50#	3.950	0.425
10	x	33.60#	4.100	0.575
10	x	41.10#	4.321	0.796
12	x	10.60#	1.500	0.190
12	x	31.00#	3.670	0.370
12	x	35.00#	3.767	0.467
12	x	40.00#	3.890	0.590
12	x	45.00#	4.012	0.712
12	x	50.00#	4.135	0.835
13	x	31.80#	4.000	0.375

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Misc. Channel (cont.)

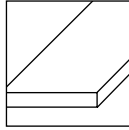
(A) Depth Inches		Weight Per Ft.	(B) Flange Width	(C) Web Thk.
13	x	35.00#	4.072	0.447
13	x	40.00#	4.185	0.560
13	x	50.00#	4.412	0.787
18	x	42.70#	3.950	0.450
18	x	45.80#	4.000	0.500
18	x	51.90#	4.100	0.600
18	x	58.00#	4.200	0.700



Bar Channel

(A) Depth Inches		(B) Flange Width	(C) Web Thk.	Wgt. Per Ft.
3/4	x	3/8	1/8	0.56#
1	x	1/2	1/8	0.84#
1 1/4	x	1/2	1/8	1.01#
1 1/2	x	1/2	1/8	1.12#
1 1/2	x	3/4	1/8	1.17#
2	x	1/2	1/8	1.47#
2	x	1	1/8	1.59#
2	x	1	3/16	2.32#
2 1/2	x	5/8	3/16	2.27#

UM PLATE



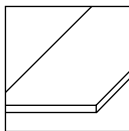
UM Plate

Size			Wgt. Per Ft.	Size			Wgt. Per Ft.
1/4	x	9	7.65	5/8	x	9	19.13
	x	10	8.51		x	10	21.27
	x	11	9.36		x	12	25.53
	x	12	10.21	3/4	x	9	22.95
5/16	x	9	9.56		x	10	25.53
	x	10	10.64		x	11	28.08
	x	12	12.75		x	12	30.63
3/8	x	9	11.48	1	x	9	30.63
	x	10	12.76		x	10	34.03
	x	11	14.04		x	12	40.84
	x	12	15.32	1 1/2	x	10	51.00
1/2	x	9	15.30		x	12	61.25
	x	10	17.02	2	x	9	61.26
	x	11	18.72		x	10	68.08
	x	12	20.42		x	12	81.68

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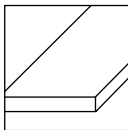
STRIP



Strip

Size	Wgt. Per Ft.	Size	Wgt. Per Ft.
1/8 x 1/2	.213	3/16 x 1/2	.319
x 3/4	.319	x 3/4	.479
x 1	.425	x 1	.638
x 1 1/4	.531	x 1 1/4	.797
x 1 1/2	.638	x 1 1/2	.956
x 1 3/4	.744	x 1 3/4	1.116
x 2	.850	x 2	1.276
x 2 1/4	.956	x 2 1/4	1.434
x 2 1/2	1.063	x 2 1/2	1.594
x 3	1.275	x 3	1.913
x 3 1/2	1.488	x 3 1/2	2.230
x 4	1.700	x 4	2.550
x 4 1/2	1.913	x 4 1/2	2.869
x 5	2.125	x 5	3.188
x 5 1/2	2.338	x 5 1/2	3.506
x 6	2.550	x 6	3.825
x 7	2.975	x 7	4.463
x 8	3.400	x 8	5.100
x 10	4.250	x 10	6.375
x 12	5.100	x 12	7.650

FLAT BAR



Flat Bar CR & HR

Size	Wgt. Per Ft.	Size	Wgt. Per Ft.
1/4 x 1/2	.425	1/4 x 9	7.650
x 3/4	.638	5/16 x 3/4	.797
x 1	.850	x 1	1.063
x 1 1/4	1.063	x 1 1/4	1.328
x 1 1/2	1.275	x 1 1/2	1.594
x 1 3/4	1.488	x 2	2.125
x 2	1.700	x 2 1/4	2.391
x 2 1/4	1.913	x 2 1/2	2.656
x 2 1/2	2.125	x 2 3/4	2.922
x 3	2.550	x 3	3.188
x 3 1/4	2.763	x 3 1/4	3.453
x 3 1/2	2.975	x 3 1/2	3.719
x 4	3.400	x 4	4.250
x 4 1/2	3.825	x 4 1/2	4.780
x 5	4.250	x 5	5.313
x 5 1/2	4.675	x 5 1/2	5.844
x 6	5.100	x 6	6.375
x 6 1/2	5.520	x 7	7.438
x 7	5.950	x 8	8.500
x 8	6.800	x 9	9.560

Continued on next page

Flat Bar CR & HR (cont.)

Size			Wgt. Per Ft.	Size			Wgt. Per Ft.
3/8	x	1/2	.638	1/2	x	2	3.400
	x	3/4	.956		x	2 1/4	3.825
	x	1	1.275		x	2 1/2	4.250
	x	1 1/4	1.594		x	2 3/4	4.675
	x	1 1/2	1.913		x	3	5.100
	x	1 3/4	2.231		x	3 1/4	5.525
	x	2	2.550		x	3 1/2	5.950
	x	2 1/4	2.869		x	4	6.800
	x	2 1/2	3.188		x	4 1/2	7.650
	x	2 3/4	3.506		x	5	8.500
	x	3	3.825		x	5 1/2	9.350
	x	3 1/4	4.144		x	6	10.200
	x	3 1/2	4.463		x	7	11.900
	x	4	5.100		x	8	13.600
	x	4 1/2	5.738		x	9	15.300
	x	5	6.375	5/8	x	2	4.250
	x	5 1/2	7.013		x	2 1/2	5.313
	x	6	7.650		x	3	6.375
	x	7	8.925		x	4	8.500
	x	8	10.200		x	5	10.630
	x	9	11.470		x	6	12.750
1/2	x	3/4	1.275		x	7	14.870
	x	1	1.700		x	8	17.000
	x	1 1/4	2.125		x	9	19.120
	x	1 1/2	2.550	3/4	x	1	2.550
	x	1 3/4	2.975		x	1 1/4	3.188

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Flat Bar CR & HR (cont.)

Size			Wgt. Per Ft.	Size			Wgt. Per Ft.
3/4	x	1 1/2	3.825	1	x	1 1/4	4.250
	x	2	5.100		x	1 1/2	5.100
	x	2 1/2	6.375		x	2	6.800
	x	3	7.650		x	2 1/2	8.500
	x	3 1/2	8.925		x	3	10.200
	x	4	10.200		x	3 1/2	11.900
	x	4 1/2	11.480		x	4	13.600
	x	5	12.750		x	4 1/2	15.300
	x	5 1/2	14.030		x	5	17.000
	x	6	15.300		x	5 1/2	18.700
	x	7	17.850		x	6	20.400
	x	8	20.400		x	7	23.800
	x	9	22.950		x	8	27.200
7/8	x	1 1/4	3.719	1 1/8	x	2	7.650
	x	1 1/2	4.463		x	2 1/2	9.563
	x	2	5.950		x	3	11.480
	x	2 1/2	7.438		x	4	15.300
	x	3	8.925		x	5	19.130
	x	3 1/2	10.410		x	6	22.950
	x	4	11.900		x	8	30.600
	x	4 1/2	13.390	1 1/4	x	1 1/2	6.375
	x	5	14.880		x	2	8.500
	x	5 1/2	16.360		x	2 1/4	9.560
	x	6	17.850		x	2 1/2	10.630
	x	7	20.830		x	2 3/4	11.690
	x	8	23.800		x	3	12.750

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Flat Bar CR & HR (cont.)

Size	Wgt. Per Ft.	Size	Wgt. Per Ft.
1 1/4 x 3 1/4	13.810	1 3/4 x 4	23.800
x 3 1/2	14.880	x 4 1/2	26.780
x 4	17.000	x 5	29.750
x 4 1/2	19.130	x 5 1/2	32.730
x 5	21.250	x 6	35.700
x 5 1/2	23.380	2 x 2 1/4	15.300
x 6	25.500	x 2 1/2	17.000
x 7	29.750	x 3	20.400
x 8	34.000	x 3 1/2	23.800
1 1/2 x 2	10.200	x 4	27.200
x 2 1/4	11.480	x 4 1/2	30.600
x 2 1/2	12.750	x 5	34.000
x 2 3/4	14.030	x 5 1/2	37.400
x 3	15.300	x 6	40.800
x 3 1/2	17.850	x 7	47.600
x 4	20.400	x 8	54.400
x 4 1/2	22.950	2 1/4 x 2 1/2	19.130
x 5	25.500	x 3	22.950
x 5 1/2	28.050	x 3 1/2	26.780
x 6	30.600	x 4	30.600
x 7	35.700	x 5	38.250
x 8	40.800	x 6	45.900
1 3/4 x 2	11.900	2 1/2 x 3	25.550
x 2 1/2	14.880	x 3 1/2	29.750
x 3	17.850	x 4	34.000
x 3 1/2	20.830	x 4 1/2	38.250

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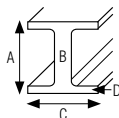
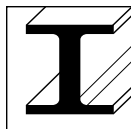


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Flat Bar CR & HR (cont.)

Size			Wgt. Per Ft.	Size			Wgt. Per Ft.
2 1/2	x	5	42.500	3	x	4 1/2	45.900
	x	6	51.000		x	5	51.000
	x	8	68.000		x	6	61.200
3	x	4	40.800		x	8	81.600

WIDE FLANGE BEAM



Wide Flange Beam • H Beam

Size	Weight Per Ft.	(A) Section Depth In.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
W 4 x	13.000	4.160	0.280	4.060	0.375
W 5 x	16.000	5.010	0.260	5.000	0.360
	19.000	5.150	0.270	5.030	0.430
W 6 x	9.000	5.900	0.170	3.940	0.215
	12.000	6.030	0.230	4.000	0.280
	15.000	5.990	0.230	5.990	0.260
	16.000	6.280	0.260	4.030	0.405
	20.000	6.200	0.260	6.020	0.365
	25.000	6.380	0.320	6.080	0.455
W 8 x	10.000	7.890	0.170	3.940	0.205

Continued on next page

Wide Flange Beam • H Beam (cont.)

Size			Weight Per Ft.	(A) Section Depth In.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.	
W	8	x	13.000	7.990	0.230	4.000	0.255	
		x	15.000	8.110	0.245	4.015	0.315	
		x	18.000	8.140	0.230	5.250	0.330	
		x	21.000	8.280	0.250	5.270	0.400	
		x	24.000	7.930	0.245	6.495	0.400	
		x	28.000	8.060	0.285	6.535	0.465	
		x	31.000	8.000	0.285	7.995	0.435	
		x	35.000	8.120	0.310	8.020	0.495	
		x	40.000	8.250	0.360	8.070	0.560	
		x	48.000	8.500	0.400	8.110	0.685	
		x	58.000	8.750	0.510	8.220	0.810	
		x	67.000	9.000	0.570	8.280	0.935	
	W	10	x	12.000	9.870	0.190	3.960	0.210
			x	15.000	9.990	0.230	4.000	0.270
		x	17.000	10.110	0.240	4.010	0.330	
		x	19.000	10.240	0.250	4.020	0.395	
		x	22.000	10.170	0.240	5.750	0.360	
		x	26.000	10.330	0.260	5.770	0.440	
		x	30.000	10.470	0.300	5.810	0.510	
		x	33.000	9.730	0.290	7.960	0.435	
		x	39.000	9.920	0.315	7.985	0.530	
		x	45.000	10.100	0.350	8.020	0.620	
		x	49.000	9.980	0.340	10.000	0.560	
		x	54.000	10.090	0.370	10.030	0.615	

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Wide Flange Beam • H Beam (cont.)

Size			Weight Per Ft.	(A) Section Depth In.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
W 10	x		60.000	10.220	0.420	10.080	0.680
			68.000	10.400	0.470	10.130	0.770
	x		77.000	10.600	0.530	10.190	0.870
			88.000	10.840	0.605	10.265	0.990
	x		100.000	11.100	0.680	10.340	1.120
			112.000	11.360	0.755	10.415	1.250
W 12	x		14.000	11.910	0.200	3.970	0.225
			16.000	11.990	0.220	3.990	0.265
	x		19.000	12.160	0.235	4.005	0.350
			22.000	12.310	0.260	4.030	0.425
	x		26.000	12.220	0.230	6.490	0.380
			30.000	12.340	0.260	6.520	0.440
	x		35.000	12.500	0.300	6.560	0.520
			40.000	11.940	0.295	8.005	0.515
	x		45.000	12.060	0.335	8.045	0.575
			50.000	12.190	0.370	8.080	0.640
	x		53.000	12.060	0.345	9.995	0.575
			58.000	12.190	0.360	10.010	0.640
	x		65.000	12.120	0.390	12.000	0.605
			72.000	12.250	0.430	12.040	0.670
	x		79.000	12.380	0.470	12.080	0.735
			87.000	12.530	0.515	12.125	0.810
	x		96.000	12.710	0.550	12.160	0.900
			106.000	12.890	0.610	12.220	0.990

Continued on next page

Wide Flange Beam • H Beam (cont.)

Size			Weight Per Ft.	(A) Section Depth In.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
W 12	x		120.000	13.120	0.710	12.320	1.105
			136.000	13.410	0.790	12.400	1.250
	x		152.000	13.710	0.870	12.480	1.400
			170.000	14.030	0.960	12.570	1.560
	x		190.000	14.380	1.060	12.670	1.735
			210.000	14.710	1.180	12.790	1.900
	x		230.000	15.050	1.285	12.895	2.070
			252.000	15.410	1.395	13.005	2.250
	x		279.000	15.850	1.530	13.140	2.470
			305.000	16.320	1.625	13.235	2.705
	x		336.000	16.820	1.775	13.385	2.955
W 14	x		22.000	13.740	0.230	5.000	0.335
			26.000	13.910	0.255	5.025	0.420
	x		30.000	13.840	0.270	6.730	0.385
			34.000	13.980	0.285	6.745	0.455
	x		38.000	14.100	0.310	6.770	0.515
			43.000	13.660	0.305	7.995	0.530
	x		48.000	13.790	0.340	8.030	0.595
			53.000	13.920	0.370	8.060	0.660
	x		61.000	13.890	0.375	9.995	0.645
			68.000	14.040	0.415	10.035	0.720
	x		74.000	14.170	0.450	10.070	0.785
			82.000	14.310	0.510	10.130	0.855
x		90.000	14.020	0.440	14.520	0.710	

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Wide Flange Beam • H Beam (cont.)

Size			Weight Per Ft.	(A) Section Depth In.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
W	14	x	99.000	14.160	0.485	14.565	0.780
		x	109.000	14.320	0.525	14.605	0.860
	x	120.000	14.480	0.590	14.670	0.940	
	x	132.000	14.660	0.645	14.725	1.030	
	x	145.000	14.780	0.680	15.500	1.090	
	x	159.000	14.980	0.745	15.565	1.190	
	x	176.000	15.220	0.830	15.650	1.310	
	x	193.000	15.480	0.890	15.710	1.440	
	x	211.000	15.720	0.980	15.800	1.560	
	x	233.000	16.040	1.070	15.890	1.720	
	x	257.000	16.380	1.175	15.995	1.890	
	x	283.000	16.740	1.290	16.110	2.070	
	x	311.000	17.120	1.410	16.230	2.260	
	x	342.000	17.540	1.540	16.360	2.470	
W	16	x	26.000	15.690	0.250	5.500	0.345
		x	31.000	15.880	0.275	5.525	0.440
		x	36.000	15.860	0.295	6.985	0.430
		x	40.000	16.010	0.305	6.995	0.505
		x	45.000	16.130	0.345	7.035	0.565
		x	50.000	16.260	0.380	7.070	0.630
		x	57.000	16.430	0.430	7.120	0.715
		x	67.000	16.330	0.395	10.235	0.665
		x	77.000	16.520	0.455	10.295	0.760
x	89.000	16.750	0.525	10.365	0.875		

Continued on next page

Wide Flange Beam • H Beam (cont.)

Size	Weight Per Ft.	(A) Section Depth In.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
W 16 x	100.000	16.970	0.585	10.425	0.985
W 18 x	35.000	17.700	0.300	6.000	0.425
x	40.000	17.900	0.315	6.015	0.525
x	46.000	18.060	0.360	6.060	0.605
x	50.000	17.990	0.355	7.495	0.570
x	55.000	18.110	0.390	7.530	0.630
x	60.000	18.240	0.415	7.555	0.695
x	65.000	18.350	0.450	7.590	0.750
x	71.000	18.470	0.495	7.635	0.810
x	76.000	18.210	0.425	11.035	0.680
x	86.000	18.390	0.480	11.090	0.770
x	97.000	18.590	0.535	11.145	0.870
x	106.000	18.730	0.590	11.200	0.940
x	119.000	18.970	0.655	11.265	1.060
x	130.000	19.250	0.670	11.160	1.200
x	143.000	19.490	0.730	11.220	1.320
x	158.000	19.720	0.810	11.300	1.440
x	175.000	20.040	0.890	11.375	1.590
x	192.000	20.350	0.960	11.455	1.750
x	211.000	20.670	1.060	11.555	1.910
x	234.000	21.060	1.160	11.650	2.110
x	258.000	21.460	1.280	11.770	2.300
x	283.000	21.850	1.400	11.890	2.500
x	311.000	22.320	1.520	12.005	2.740

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Wide Flange Beam • H Beam (cont.)

Size			Weight Per Ft.	(A) Section Depth In.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.		
W	21	x	44.000	20.660	0.350	6.500	0.450		
		x	50.000	20.830	0.380	6.530	0.535		
		x	57.000	21.060	0.405	6.555	0.650		
		x	62.000	20.990	0.400	8.240	0.615		
		x	68.000	21.130	0.430	8.270	0.685		
		x	73.000	21.240	0.455	8.295	0.740		
		x	83.000	21.430	0.515	8.355	0.835		
		x	93.000	21.620	0.580	8.420	0.930		
		x	101.000	21.360	0.500	12.290	0.800		
		x	111.000	21.510	0.550	12.340	0.875		
	x	x	122.000	21.680	0.600	12.390	0.960		
		x	132.000	21.830	0.650	12.440	1.035		
		x	147.000	22.060	0.720	12.510	1.150		
		x	166.000	22.480	0.750	12.420	1.360		
		x	182.000	22.720	0.830	12.500	1.480		
		x	248.000	23.740	1.110	12.775	1.990		
		x	275.000	24.130	1.220	12.890	2.190		
		x	300.000	24.530	1.320	12.990	2.380		
		W	24	x	55.000	23.570	0.395	7.005	0.505
				x	62.000	23.740	0.430	7.040	0.590
x	68.000			23.730	0.415	8.965	0.585		
x	76.000			23.920	0.440	8.990	0.680		
x	84.000			24.100	0.470	9.020	0.770		
x	94.000			24.310	0.515	9.065	0.875		

Continued on next page

Wide Flange Beam • H Beam (cont.)

Size			Weight Per Ft.	(A) Section Depth In.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.	
W 24	x		104.000	24.060	0.500	12.750	0.750	
			117.000	24.260	0.550	12.800	0.850	
	x		131.000	24.480	0.605	12.855	0.960	
			146.000	24.740	0.650	12.900	1.090	
	x		162.000	25.000	0.705	12.955	1.220	
			176.000	25.240	0.750	12.890	1.340	
	x		192.000	25.470	0.810	12.950	1.460	
			207.000	25.710	0.870	13.010	1.570	
	x		229.000	26.020	0.960	13.110	1.730	
			250.000	26.340	1.040	13.185	1.890	
	x		279.000	26.730	1.160	13.305	2.090	
			306.000	27.130	1.260	13.405	2.280	
	W 27	x		84.000	26.710	0.460	9.960	0.640
				94.000	26.920	0.490	9.990	0.745
x			102.000	27.090	0.515	10.015	0.830	
			114.000	27.290	0.570	10.070	0.930	
x			146.000	27.380	0.605	13.965	0.975	
			161.000	27.590	0.660	14.020	1.080	
x			178.000	27.810	0.725	14.085	1.190	
			194.000	28.110	0.750	14.035	1.340	
x			217.000	28.430	0.830	14.115	1.500	
			235.000	28.660	0.910	14.190	1.610	
x			258.000	28.980	0.980	14.270	1.770	
		281.000	29.290	1.060	14.350	1.930		

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Wide Flange Beam • H Beam (cont.)

Size			Weight Per Ft.	(A) Section Depth In.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
W 27	x	x	307.000	29.610	1.160	14.445	2.090
		x	336.000	30.000	1.260	14.545	2.280
W 30	x	x	90.000	29.530	0.470	10.400	0.610
		x	99.000	29.650	0.520	10.450	0.670
		x	108.000	29.830	0.545	10.475	0.760
		x	116.000	30.010	0.565	10.495	0.850
		x	124.000	30.170	0.585	10.515	0.930
		x	132.000	30.310	0.615	10.545	1.000
		x	173.000	30.440	0.655	14.985	1.065
		x	191.000	30.680	0.710	15.040	1.185
		x	211.000	30.940	0.775	15.105	1.315
		x	235.000	31.300	0.830	15.055	1.500
		x	261.000	31.610	0.930	15.155	1.650
		x	292.000	32.010	1.020	15.255	1.850
		x	326.000	32.400	1.140	15.370	2.050
		W 33	x	x	118.000	32.860	0.550
x	130.000			33.090	0.580	11.510	0.855
x	141.000			33.300	0.605	11.535	0.960
x	152.000			33.490	0.635	11.565	1.055
x	169.000			33.820	0.670	11.500	1.220
x	201.000			33.680	0.715	15.745	1.150
x	221.000			33.930	0.775	15.805	1.275
x	241.000			34.180	0.830	15.860	1.400
x	263.000			34.530	0.870	15.805	1.570

Continued on next page

Wide Flange Beam • H Beam (cont.)

Size			Weight Per Ft.	(A) Section Depth In.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
W 33	x	x	291.000	34.840	0.960	15.905	1.730
		x	318.000	35.160	1.040	15.985	1.890
W 36	x	x	135.000	35.550	0.600	11.950	0.790
		x	150.000	35.850	0.625	11.975	0.940
		x	160.000	36.010	0.650	12.000	1.020
		x	170.000	36.170	0.680	12.030	1.100
		x	182.000	36.330	0.725	12.075	1.180
		x	194.000	36.490	0.765	12.115	1.260
		x	210.000	36.690	0.830	12.180	1.360
		x	230.000	35.900	0.760	16.470	1.260
		x	245.000	36.080	0.800	16.510	1.350
		x	260.000	36.260	0.840	16.550	1.440
		x	280.000	36.520	0.885	16.595	1.570
		x	300.000	36.740	0.945	16.655	1.680
		x	328.000	37.090	1.020	16.630	1.850
		W 40	x	x	149.000	38.200	0.630
x	167.000			38.590	0.650	11.810	1.025
x	183.000			38.980	0.650	11.810	1.220
x	192.000			38.200	0.710	17.710	0.830
x	199.000			38.670	0.655	15.750	1.065
x	215.000			38.980	0.650	15.750	1.220
x	221.000			38.670	0.710	17.710	1.065
x	244.000			39.060	0.710	17.710	1.260
x	249.000			39.380	0.750	15.750	1.420

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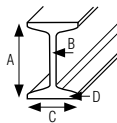
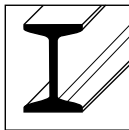
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Wide Flange Beam • H Beam (cont.)

Size			Weight Per Ft.	(A) Section Depth In.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
W 40	x		268.000	39.370	0.750	17.750	1.415
	x		277.000	39.690	0.830	15.830	1.575
	x		297.000	39.840	0.930	15.825	1.650
	x		298.000	39.690	0.830	17.830	1.575
	x		324.000	40.160	1.000	15.905	1.810
	x		328.000	40.000	0.910	17.910	1.730

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STANDARD I BEAM



Standard I Beam • S Beam

(A) Size	Weight Per Ft.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
S 3 x	5.70	0.170	2.330	0.260
	7.50	0.349	2.509	0.260
S 4 x	7.70	0.193	2.663	0.293
	9.50	0.326	2.796	0.293
S 5 x	10.00	0.214	3.004	0.326
	14.75	0.494	3.284	0.326
S 6 x	12.50	0.232	3.332	0.359
	17.25	0.465	3.565	0.359
S 7 x	15.30	0.252	3.662	0.392
	20.00	0.392	3.860	0.450
S 8 x	18.40	0.271	4.001	0.425
	23.00	0.441	4.171	0.425
S 10 x	25.40	0.311	4.661	0.491
	35.00	0.594	4.944	0.491
S 12 x	31.80	0.350	5.000	0.544
	35.00	0.428	5.078	0.544
	40.80	0.460	5.252	0.659
	50.00	0.687	5.477	0.659

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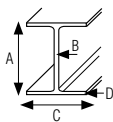
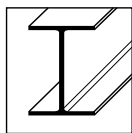
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Standard I Beam • S Beam (cont.)

(A) Size		Weight Per Ft.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
S 15	x	42.90	0.411	5.501	0.622
	x	50.00	0.550	5.640	0.622
S 18	x	54.70	0.461	6.001	0.691
	x	70.00	0.711	6.251	0.691
S 20	x	66.00	0.505	6.255	0.795
	x	75.00	0.635	6.385	0.795
	x	86.00	0.660	7.060	0.920
	x	96.00	0.800	7.200	0.920
	x	106.00	0.620	7.870	1.090
S 24	x	80.00	0.500	7.000	0.870
	x	90.00	0.625	7.125	0.870
	x	100.00	0.745	7.245	0.870
	x	106.00	0.620	7.870	1.090
	x	121.00	0.800	8.050	1.090

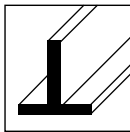
M "JR." Beam • Light Beam



(A) Size		Weight Per Ft.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
M 6	x	4.40	0.114	1.844	0.171
M 8	x	6.50	0.135	2.281	0.189
M 10	x	9.00	0.157	2.690	0.206
M 12	x	11.80	0.177	3.065	0.225

Carbon • Stainless • Alloy • Aluminum
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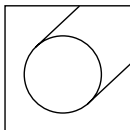
TEES • BAR SIZE



Tees • Bar Size

Flange in Inches	Stem in Inches	Stem Thk.	Weight Per Ft.
1 1/2	1 1/2	3/16	1.900
1 1/2	1 1/2	1/4	2.430
1 3/4	1 3/4	3/16	2.260
2	2	1/4	3.620
2 1/2	2 1/2	1/4	4.600

ROUNDS CR & HR



Round Bar CR & HR

Size	Wgt. Per Ft.	Wgt. Per 20'
1/8	0.04	0.84
3/16	0.09	1.88
1/4	0.17	3.34
5/16	0.26	5.22
3/8	0.38	7.52

Continued on next page



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Round Bar CR & HR

Size	Wgt. Per Ft.	Wgt. Per 20'
7/16	0.51	10.22
1/2	0.67	13.36
9/16	0.85	16.90
5/8	1.04	20.80
3/4	1.50	30.00
7/8	2.04	40.80
15/16	2.35	47.00
1	2.67	53.40
1 1/8	3.38	67.60
1 3/16	3.77	75.40
1 1/4	4.17	83.40
1 5/16	4.60	92.00
1 3/8	5.05	101.00
1 7/16	5.52	110.40
1 1/2	6.01	120.20
1 5/8	7.05	141.00
1 3/4	8.18	163.60
1 13/16	8.77	175.40
1 7/8	9.39	187.80
1 15/16	10.02	200.40
2	10.68	213.60
2 1/8	12.06	241.20
2 3/16	12.78	255.60
2 1/4	13.52	270.40
2 5/16	14.28	285.60
2 3/8	15.06	301.20

Continued on next page

Round Bar CR & HR

Size	Wgt. Per Ft.	Wgt. Per 20'
2 7/16	15.87	317.40
2 1/2	16.69	333.80
2 9/16	17.53	350.60
2 5/8	18.40	368.00
2 3/4	20.19	403.80
3	24.03	480.60
3 1/4	28.21	564.20
3 5/16	29.30	586.00
3 3/8	30.42	608.40
3 7/16	31.55	631.00
3 1/2	32.71	654.20
3 9/16	33.89	677.80
3 5/8	35.09	700.18
3 3/4	37.55	751.00
4	42.73	854.60
4 1/8	45.44	908.80
4 3/16	46.83	936.60
4 1/4	48.23	964.60
4 3/8	51.11	1022.20
4 7/16	52.58	1051.60
4 1/2	54.08	1081.60
4 3/4	60.25	1205.00
5	66.76	1335.20
5 1/8	70.14	1402.80
5 1/4	73.60	1472.00

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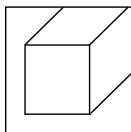
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Round Bar CR & HR

Size	Wgt. Per Ft.	Wgt. Per 20'
5 3/8	77.15	1543.00
5 7/16	78.95	1579.00
5 1/2	80.78	1615.60
5 5/8	84.49	1689.80
5 3/4	88.29	1765.80
6	96.13	1922.60
6 1/4	104.31	2086.20
6 3/8	108.52	2170.40
6 1/2	112.82	2256.40
6 5/8	117.20	2344.00
6 3/4	121.70	2434.00
7	130.90	2618.00
7 1/4	140.40	2808.00
7 1/2	150.20	3004.00
7 3/4	160.40	3208.00
8	170.90	3418.00
8 1/2	192.93	3858.60
8 3/4	204.50	4090.00
9	216.30	4326.00
9 1/4	228.48	4569.60
9 1/2	241.00	4820.00
10	267.00	5340.00

Also available in metric sizes.

SQUARES CR & HR



Square Bar CR & HR

Size	Wgt. Per Ft.	Wgt. Per 20'	Size	Wgt. Per Ft.	Wgt. Per 20'
5/16	0.33	6.64	1 3/4	10.42	208.40
3/8	0.48	9.56	2	13.60	272.00
7/16	0.65	13.02	2 1/4	17.21	344.20
1/2	0.85	17.00	2 1/2	21.25	425.00
5/8	1.33	26.60	3	30.60	612.00
3/4	1.91	38.20	3 1/2	41.65	833.00
7/8	2.60	52.00	4	54.40	1088.00
1	3.40	68.00	4 1/2	68.85	1367.00
1 1/8	4.30	86.00	5	85.00	1700.00
1 1/4	5.32	106.40	5 1/2	102.90	2058.00
1 1/2	7.65	153.00	6	122.40	2448.00

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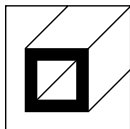
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SQUARE TUBING

Also available in Galvanized.



Square Tubing

Size	Gauge	Thickness	Wgt. Per Ft.
1/2 x 1/2	16	0.065	0.384
3/4 x 3/4	16	0.065	0.605
	14	0.083	0.753
1 x 1	16	0.065	0.826
	14	0.083	1.035
	11	0.120	1.436
1 1/4 x 1 1/4	16	0.065	1.047
	14	0.083	1.317
	11	0.120	1.844
	3/16	0.188	2.620
1 1/2 x 1 1/2	16	0.065	1.268
	14	0.083	1.599
	11	0.120	2.252
	3/16	0.188	3.220
	1/4	0.250	4.110
1 3/4 x 1 3/4	14	0.083	1.880
	11	0.120	2.660

Continued on next page

Square Tubing (cont.)

Size	Gauge	Thickness	Wgt. Per Ft.
2 x 2	16	0.065	1.710
	14	0.083	2.164
	11	0.120	3.067
	3/16	0.188	4.320
	1/4	0.250	5.410
	5/16	0.312	6.320
2 1/2 x 2 1/2	14	0.083	2.730
	11	0.120	3.900
	3/16	0.188	5.590
	1/4	0.250	7.110
	5/16	0.312	8.430
3 x 3	14	0.083	3.290
	11	0.120	4.750
	3/16	0.188	6.870
	1/4	0.250	8.810
	5/16	0.312	10.580
	3/8	0.375	12.170
3 1/2 x 3 1/2	11	0.120	5.610
	3/16	0.188	8.150
	1/4	0.250	10.510
	5/16	0.312	12.700
4 x 4	14	0.083	4.420
	11	0.120	6.220
	3/16	0.188	9.420
	1/4	0.250	12.210

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Square Tubing (cont.)

Size	Gauge	Thickness	Wgt. Per Ft.
4 x 4	5/16	0.312	14.830
	3/8	0.375	17.270
	1/2	0.500	21.630
4 1/2 x 4 1/2	11	0.120	7.310
	3/16	0.188	10.700
	1/4	0.250	13.910
	5/16	0.312	16.960
	3/8	0.375	19.820
	11	0.120	8.160
	3/16	0.188	11.970
	1/4	0.250	15.620
5 x 5	5/16	0.312	19.080
	3/8	0.375	22.370
	1/2	0.500	28.430
	3/16	0.188	14.530
	1/4	0.250	19.020
6 x 6	5/16	0.312	23.340
	3/8	0.375	27.480
	1/2	0.500	35.240
	5/8	0.625	42.300
	3/16	0.188	17.080
7 x 7	1/4	0.250	22.420
	5/16	0.312	27.590
	3/8	0.375	32.580
	1/2	0.500	42.050

Continued on next page

Square Tubing (cont.)

Size	Gauge	Thickness	Wgt. Per Ft.
7 x 7	5/8	0.625	50.180
8 x 8	3/16	0.188	19.630
	1/4	0.250	25.820
	5/16	0.312	31.840
	3/8	0.375	37.690
	1/2	0.500	48.850
	5/8	0.625	59.320
10 x 10	3/16	0.188	24.730
	1/4	0.250	32.630
	5/16	0.312	40.350
	3/8	0.375	47.900
	1/2	0.500	62.460
	5/8	0.625	76.330
12 x 12	1/4	0.250	39.430
	5/16	0.312	48.860
	3/8	0.375	58.100
	1/2	0.500	76.070
	5/8	0.625	93.340
14 x 14	5/16	0.312	57.360
	3/8	0.375	68.310
	1/2	0.500	89.680
16 x 16	5/16	0.312	65.870
	3/8	0.375	78.520
	1/2	0.500	105.400

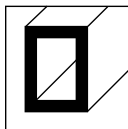
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RECTANGULAR TUBING

Also available in Galvanized.



Rectangular Tubing

Size	Gauge	Thickness	Wgt. Per Ft.
1 1/2 x 1	16	0.065	1.047
	14	0.083	1.317
	11	0.120	1.844
2 x 1	16	0.065	1.268
	14	0.083	1.599
	11	0.120	2.252
	3/16	0.188	3.220
2 x 1 1/2	14	0.083	1.882
	11	0.120	2.660
2 1/2 x 1 1/2	14	0.083	2.164
	11	0.120	3.067
	3/16	0.188	4.320
	1/4	0.250	5.410
3 x 1	16	0.065	1.710
	14	0.083	2.164
	11	0.120	3.067
3 x 1 1/2	16	0.065	1.932
	14	0.083	2.450
	11	0.120	3.480

Continued on next page

Rectangular Tubing (cont.)

Size	Gauge	Thickness	Wgt. Per Ft.
3 x 1 1/2	3/16	0.188	4.970
3 x 2	14	0.083	2.730
	11	0.120	3.900
	3/16	0.188	5.590
	1/4	0.250	7.110
	5/16	0.312	8.430
4 x 2	14	0.083	3.290
	11	0.120	4.750
	3/16	0.188	6.870
	1/4	0.250	8.810
	5/16	0.312	10.580
	3/8	0.375	12.170
4 x 3	11	0.120	5.610
	3/16	0.188	8.150
	1/4	0.250	10.510
	5/16	0.312	12.700
	3/8	0.375	14.720
5 x 2	11	0.120	5.610
	3/16	0.188	8.150
	1/4	0.250	10.510
	5/16	0.312	12.700
	3/8	0.375	14.710
5 x 3	11	0.120	6.220
	3/16	0.188	9.420
	1/4	0.250	12.210

Continued on next page



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Rectangular Tubing (cont.)

Size	Gauge	Thickness	Wgt. Per Ft.
5 x 3	5/16	0.312	14.830
	3/8	0.375	17.270
	1/2	0.500	21.630
5 x 4	3/16	0.188	10.700
	1/4	0.250	13.910
	5/16	0.312	16.960
5 x 4	3/8	0.375	19.820
	11	0.120	6.220
	3/16	0.188	9.420
6 x 2	1/4	0.250	12.210
	5/16	0.312	14.830
	3/8	0.375	17.270
6 x 3	3/16	0.188	10.700
	1/4	0.250	13.910
	5/16	0.312	16.960
6 x 3	3/8	0.375	19.820
	1/2	0.500	25.030
	3/16	0.188	11.970
6 x 4	1/4	0.250	15.620
	5/16	0.312	19.080
	3/8	0.375	22.370
6 x 4	1/2	0.500	28.430
	3/16	0.188	11.970
	1/4	0.250	15.620
7 x 3	5/16	0.312	19.080
	3/8	0.375	22.370

Continued on next page

Rectangular Tubing (cont.)

Size	Gauge	Thickness	Wgt. Per Ft.
7 x 4	3/16	0.188	13.250
	1/4	0.250	17.320
	5/16	0.312	21.210
	3/8	0.375	24.930
7 x 5	3/16	0.188	14.530
	1/4	0.250	19.020
	5/16	0.312	23.340
	3/8	0.375	27.480
	1/2	0.500	35.240
8 x 2	3/16	0.188	11.970
	1/4	0.250	15.620
	5/16	0.312	19.080
	3/8	0.375	22.370
8 x 3	3/16	0.188	13.250
	1/4	0.250	17.320
	5/16	0.312	21.210
	3/8	0.375	24.930
	1/2	0.500	31.840
8 x 4	3/16	0.188	14.530
	1/4	0.250	19.020
	5/16	0.312	23.340
	3/8	0.375	27.480
	1/2	0.500	35.240
	5/8	0.625	42.300
8 x 6	3/16	0.188	17.080
	1/4	0.250	22.420

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Rectangular Tubing (cont.)

Size	Gauge	Thickness	Wgt. Per Ft.
8 x 6	5/16	0.312	27.590
	3/8	0.375	32.580
	1/2	0.500	42.050
10 x 2	3/16	0.188	14.530
	1/4	0.250	19.020
10 x 4	3/16	0.188	17.080
	1/4	0.250	22.420
	5/16	0.312	27.590
	3/8	0.375	32.580
10 x 5	1/2	0.500	42.050
	3/16	0.188	18.350
	1/4	0.250	24.120
10 x 6	5/16	0.312	29.720
	3/8	0.375	35.140
	3/16	0.188	19.630
	1/4	0.250	25.820
10 x 8	5/16	0.312	31.840
	3/8	0.375	37.690
	1/2	0.500	48.850
	3/16	0.188	22.180
12 x 2	1/4	0.250	29.290
	5/16	0.312	36.380
	3/8	0.375	42.790
	1/2	0.500	55.660

Continued on next page

Rectangular Tubing (cont.)

Size	Gauge	Thickness	Wgt. Per Ft.
12 x 2	3/8	0.375	32.580
	1/2	0.500	42.050
12 x 4	3/16	0.188	19.630
	1/4	0.250	25.820
	5/16	0.312	31.840
	3/8	0.375	37.690
12 x 6	1/2	0.500	48.850
	3/16	0.188	22.180
	1/4	0.250	29.230
12 x 8	5/16	0.312	36.100
	3/8	0.375	42.790
	1/2	0.500	55.660
	5/8	0.625	67.820
	3/16	0.188	24.730
12 x 8	1/4	0.250	32.630
	5/16	0.312	40.350
	3/8	0.375	47.900
	1/2	0.500	62.460

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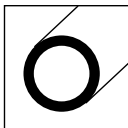
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PIPE

Available in welded and seamless, in black and galvanized, with plain and threaded ends. See Page 62 for Fittings and Flanges.



Pipe Dimensions & Weights

Nominal Pipe Size, Inches	Outside Dia., Inches	I.P.S. Sch.	Std. XHvy.	Wall Thk., Inches	Weight Per Ft., Pounds
1/8	0.405	10		0.049	0.186
		40	Std.	0.068	0.244
		80	Ex. Hvy.	0.095	0.315
1/4	0.540	10		0.065	0.329
		40	Std.	0.088	0.424
		80	Ex. Hvy.	0.119	0.535
3/8	0.675	5		0.049	0.328
		10		0.065	0.423
		40	Std.	0.091	0.567
		80	Ex. Hvy.	0.126	0.738
1/2	0.840	5		0.065	0.538
		10		0.083	0.671
		40	Std.	0.109	0.851
		80	Ex. Hvy.	0.147	1.088
		160		0.187	1.304
		XXH		0.294	1.714

Continued on next page

Pipe Dimensions & Weights (cont.)

Nominal Pipe Size, Inches	Outside Dia., Inches	I.P.S. Sch.	Std. XHvy.	Wall Thk., Inches	Weight Per Ft., Pounds
3/4	1.050	5		0.065	0.684
		10		0.083	0.857
		40	Std.	0.113	1.131
		80	Ex. Hvy.	0.154	1.474
		160		0.218	1.937
		XXH		0.308	2.441
1	1.315	5		0.065	0.868
		10		0.109	1.404
		40	Std.	0.133	1.679
		80	Ex. Hvy.	0.179	2.172
		160		0.250	2.844
		XXH		0.358	3.659
1 1/4	1.660	5		0.065	1.107
		10		0.109	1.806
		40	Std.	0.140	2.273
		80	Ex. Hvy.	0.191	2.997
		160		0.250	3.765
		XXH		0.382	5.214
1 1/2	1.900	5		0.065	1.274
		10		0.109	2.085
		40	Std.	0.145	2.718
		80	Ex. Hvy.	0.200	3.631
		160		0.281	4.859
		XXH		0.400	6.408

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Pipe Dimensions & Weights (cont.)

Nominal Pipe Size, Inches	Outside Dia., Inches	I.P.S. Sch.	Std. XHvy.	Wall Thk., Inches	Weight Per Ft., Pounds
2	2.375	5		0.065	1.604
		10		0.109	2.638
		40	Std.	0.154	3.653
		80	Ex. Hvy.	0.218	5.022
		160		0.343	7.444
		XXH		0.436	9.029
2 1/2	2.875	5		0.083	2.475
		10		0.120	3.531
		40	Std.	0.203	5.793
		80	Ex. Hvy.	0.276	7.661
		160		0.375	10.010
		XXH		0.552	13.690
3	3.500	5		0.083	3.030
		10		0.120	4.332
		40	Std.	0.216	7.576
		80	Ex. Hvy.	0.300	10.250
		160		0.438	14.320
		XXH		0.600	18.580
3 1/2	4.000	5		0.083	3.472
		10		0.120	4.973
		40	Std.	0.226	9.109
		80	Ex. Hvy.	0.318	12.500
		XXH		0.636	22.850
		4	4.500	5	

Continued on next page

Pipe Dimensions & Weights (cont.)

Nominal Pipe Size, Inches	Outside Dia., Inches	I.P.S. Sch.	Std. XHvy.	Wall Thk., Inches	Weight Per Ft., Pounds
4	4.500	10		0.120	5.613
		40	Std.	0.237	10.790
		80	Ex. Hvy.	0.337	14.980
		120		0.438	19.000
		160		0.531	22.510
		XXH		0.674	27.540
5	5.563	5		0.109	6.349
		10		0.134	7.770
		30		0.250	14.190
		40	Std.	0.258	14.620
		80	Ex. Hvy.	0.375	20.780
		120		0.500	27.040
		160		0.625	32.960
XXH		0.750	38.550		
6	6.625	5		0.109	7.585
		10		0.134	9.289
		40	Std.	0.280	18.970
		80	Ex. Hvy.	0.432	28.570
		120		0.562	36.390
		160		0.718	45.300
		XXH		0.864	53.160
8	8.625	5		0.109	9.914
		10		0.148	13.400
		20		0.250	22.360

Continued on next page



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Pipe Dimensions & Weights (cont.)

Nominal Pipe Size, Inches	Outside Dia., Inches	I.P.S. Sch.	Std. XHvy.	Wall Thk., Inches	Weight Per Ft., Pounds
8	8.625	30		0.277	24.700
		40	Std.	0.322	28.550
		60		0.406	35.640
		80	Ex. Hvy.	0.500	43.390
		100		0.593	50.870
		120		0.718	60.930
		140		0.812	67.760
		XXH		0.875	72.420
10	10.750	5		0.134	15.190
		10		0.165	18.700
		20		0.250	28.040
		30		0.307	34.240
		40	Std.	0.365	40.480
		60	Ex. Hvy.	0.500	54.740
		80		0.593	64.330
		100		0.718	76.930
		120		0.843	89.200
		140	XXH	1.000	104.10
12	12.750	5		0.165	22.180
		10		0.180	24.200
		20		0.250	33.380
		30		0.330	43.770

Continued on next page

Pipe Dimensions & Weights (cont.)

Nominal Pipe Size, Inches	Outside Dia., Inches	I.P.S. Sch.	Std. XHvy.	Wall Thk., Inches	Weight Per Ft., Pounds
12	12.750		Std.	0.375	49.560
		40		0.406	53.530
			Ex. Hvy.	0.500	65.420
		60		0.562	73.160
		80		0.687	88.510
		100		0.843	107.200
		120		1.000	125.500
		140		1.125	139.700
14	14.000	10		0.250	36.710
		20		0.312	45.680
		30	Std.	0.375	54.570
		40		0.438	63.370
			Ex. Hvy.	0.500	72.090
		60		0.593	84.910
		80		0.750	106.100
		100		0.937	130.700
		120		1.093	150.700
		140		1.250	170.200
16	16.000	10		0.250	42.050
		20		0.312	52.360
		30	Std.	0.375	62.580
		40	Ex. Hvy.	0.500	82.770

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Pipe Dimensions & Weights (cont.)

Nominal Pipe Size, Inches	Outside Dia., Inches	I.P.S. Sch.	Std. XHvy.	Wall Thk., Inches	Weight Per Ft., Pounds
16	16.00	60		0.656	107.500
		80		0.843	136.500
		100		1.031	164.800
		120		1.218	192.300
		140		1.438	223.500
		160		1.593	245.100
18	18.000	10		0.250	47.390
		20		0.312	59.030
			Std.	0.375	70.590
		30		0.438	82.060
			Ex. Hvy.	0.500	93.450
		40		0.562	104.800
		60		0.750	138.200
		80		0.937	170.800
		100		1.156	208.000
		120		1.375	244.100
		140		1.562	274.200
20	20.000	10		0.250	52.730
		20	Std.	0.375	78.600
		30	Ex. Hvy.	0.500	104.100
		40		0.593	122.900
		60		0.812	166.400
		80		1.031	208.900

Continued on next page

Pipe Dimensions & Weights (cont.)

Nominal Pipe Size, Inches	Outside Dia., Inches	I.P.S. Sch.	Std. XHvy.	Wall Thk., Inches	Weight Per Ft., Pounds
20	20.000	100		1.281	256.100
		120		1.500	296.400
		140		1.750	341.100
		160		1.969	379.200
24	24.000	10		0.250	63.410
		20	Std.	0.375	94.620
			Ex. Hvy.	0.500	125.500
		30		0.562	140.800
		40		0.687	171.200
		60		0.968	238.100
		80		1.218	296.400
		100		1.531	367.400
		120		1.812	429.400
		140		2.062	483.100
160		2.343	541.900		
26	26.000	10		0.312	85.600
			Std.	0.375	102.630
		20	Ex. Hvy.	0.500	136.170
28	28.000	10		0.312	92.260
			Std.	0.375	110.640
		20	Ex. Hvy.	0.500	146.850
		30		0.625	182.730
30	30.000	10		0.312	98.930
			Std.	0.375	118.650

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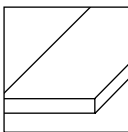
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Pipe Dimensions & Weights (cont.)

Nominal Pipe Size, Inches	Outside Dia., Inches	I.P.S. Sch.	Std. XHvy.	Wall Thk., Inches	Weight Per Ft., Pounds
30	30.000	20	Ex. Hvy.	0.500	157.530
		30		0.625	196.080
32	32.000	10		0.312	105.590
			Std.	0.375	126.660
		20	Ex. Hvy.	0.500	168.210
				0.625	209.430
				0.688	230.080
34	34.000	10		0.312	112.250
			Std.	0.375	134.670
		20	Ex. Hvy.	0.500	178.890
				0.625	222.780
				0.688	244.770
36	36.000	10		0.312	118.920
			Std.	0.375	142.680
		20	Ex. Hvy.	0.500	189.570
				0.625	236.130
				0.750	282.350
42	42.000		Std.	0.375	166.710
			Ex. Hvy.	0.500	221.610
48	48.000		Std.	0.375	190.740
			Ex. Hvy.	0.500	253.650

PLATE

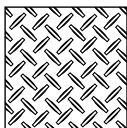
48" to 120" Wide. Cut to Size As Required.



Plate

Thickness	Wgt. Per Sq. Ft.	Thickness	Wgt. Per Sq. Ft.
3/16	7.66	2 1/2	102.10
1/4	10.21	2 3/4	112.31
5/16	12.76	3	122.52
3/8	15.32	3 1/4	132.73
7/16	17.87	3 1/2	142.93
1/2	20.42	3 3/4	153.15
5/8	25.52	4	163.35
3/4	30.63	4 1/2	183.80
7/8	35.73	5	204.20
1	40.84	5 1/2	224.62
1 1/8	45.94	6	245.04
1 1/4	51.05	6 1/2	265.45
1 3/8	56.16	7	285.87
1 1/2	61.26	8	326.71
1 3/4	71.47	9	367.55
2	81.68	10	408.38
2 1/8	86.78	12	490.06
2 1/4	91.89		

FLOOR PLATE

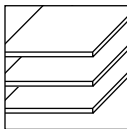


Floor Plate

Thickness Inches	Wgt. Per Sq. Ft.
16 Ga	3.000
14 Ga	3.750
1/8	6.160
3/16	8.710
1/4	11.260
5/16	13.810
3/8	16.370
1/2	21.470
5/8	26.580
3/4	31.680
1	41.890

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SHEET



Carbon Steel			Galvanized	
Thickness Gauge	Inches	Wgt. Per Sq. Ft.	Thickness Inches	Wgt. Per Sq. Ft.
10	0.134	5.625	0.138	5.781
11	0.119	5.000	0.123	5.156
12	0.104	4.375	0.108	4.531
14	0.074	3.125	0.078	3.281
16	0.059	2.500	0.063	2.656
18	0.047	2.000	0.051	2.156
20	0.035	1.500	0.039	1.656
22	0.029	1.250	0.033	1.406
24	0.023	1.000	0.027	1.156
26	0.017	0.750	0.021	0.906
28	0.014	0.625	0.018	0.781
30	0.012	0.500	0.015	0.656

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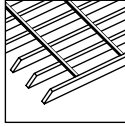
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BAR GRATING

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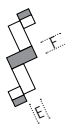
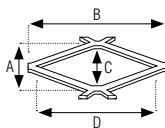
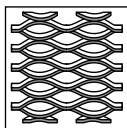
Carbon Steel - 19W4 Spacing

Size	Wgt. Per Sq. Ft.
3/4 x 1/8	3.90
3/4 x 3/16	5.60
1 x 1/8	5.00
1 x 3/16	7.20
1 x 1/4	9.50
1 1/4 x 1/8	6.10
1 1/4 x 3/16	8.90
1 1/4 x 1/4	11.40
1 1/2 x 1/8	7.20
1 1/2 x 3/16	10.50
1 1/2 x 1/4	13.50
2 x 3/16	13.90
2 x 1/4	18.10

Other bar spacing available with special order.
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EXPANDED METAL

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Regular Expanded Metal • Carbon Steel - ASTM A569/569M

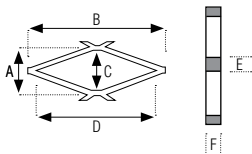
Style	Wgt. in lbs. Per C.S.F.		Center to Center		Size of Opening		Size of Strands		
	Plain	Galv.	(A) Width	(B) Length	(C) Width	(D) Length	(E) Width	(F) Thk.	
1/4"	#18	114	171	0.255	1.00	0.172	0.719	0.073	0.048
1/2"	#18	70	85	0.500	1.20	0.438	0.938	0.088	0.048
	#13	147	173	0.500	1.20	0.313	0.938	0.096	0.092
3/4"	#16	54	65	0.923	2.00	0.813	1.750	0.099	0.060
	#13	80	92	0.923	2.00	0.750	1.688	0.096	0.092
	#9	180	195	0.923	2.00	0.688	1.563	0.148	0.134
1"	#16	44	51	1.090	2.40	1.000	2.063	0.096	0.060
1 1/2"	#13	60	68	1.330	3.00	1.188	2.500	0.104	0.092
	#9	120	131	1.330	3.00	1.125	2.375	0.142	0.135
	#6	250	273	1.330	3.00	1.000	2.313	0.201	0.198

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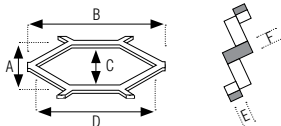


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Flattened Expanded Metal • Carbon Steel - ASTM A569/569M

Style	Wgt. in lbs. Per C.S.F.		Center to Center		Size of Opening		Size of Strands		
	Plain	Galv.	(A) Width	(B) Length	(C) Width	(D) Length	(E) Width	(F) Thk.	
1/4"	#18	111	165	0.255	1.03	0.094	0.688	0.086	0.040
1/2"	#18	66	88	0.500	1.26	0.281	1.000	0.109	0.039
	#13	140	162	0.500	1.26	0.250	1.000	0.122	0.070
3/4"	#16	51	61	0.923	2.10	0.750	1.750	0.115	0.048
	#13	75	86	0.923	2.10	0.688	1.782	0.119	0.070
	#9	171	186	0.923	2.10	0.563	1.688	0.164	0.120
1"	#16	41	50	1.090	2.56	0.875	2.250	0.115	0.048
1 1/2"	#13	57	68	1.330	3.20	1.063	2.750	0.138	0.070
	#9	111	128	1.330	3.20	1.000	2.563	0.175	0.110
	#6	221	267	1.330	3.20	1.000	2.563	0.195	0.170



Expanded Metal Grating • Carbon Steel - ASTM A569/569M

Style	Wgt. in lbs. Per C.S.F.		Center to Center		Size of Opening		Size of Strands	
	Plain	Galv.	(A) Width	(B) Length	(C) Width	(D) Length	(E) Width	(F) Thk.
3.00 #	300	320	1.333	5.33	0.938	3.438	0.261	0.183
3.14 #	314	334	2.000	6.00	1.625	4.875	0.308	0.250

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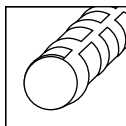
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Expanded Metal Grating • Carbon Steel - ASTM A569/569M (cont.)

Style	Wgt. in lbs. Per C.S.F.		Center to Center		Size of Opening		Size of Strands	
	Plain	Galv.	(A) Width	(B) Length	(C) Width	(D) Length	(E) Width	(F) Thk.
4.00 #	400	430	1.333	5.33	0.938	3.438	0.297	0.215
4.27 #	427	457	1.412	4.00	1.000	2.875	0.297	0.250
5.00 #	500	550	1.333	5.33	0.813	3.375	0.327	0.250
6.25 #	625	685	1.412	5.33	0.813	3.375	0.347	0.312
7.00 #	700	750	1.412	5.33	0.813	3.375	0.388	0.312

REBAR

Fabricated to specification as needed.

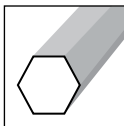


Rebar

No.	Size	Wgt. Per Ft.	Wgt. Per 20'
3	3/8	0.376	7.52
4	1/2	0.668	13.36
5	5/8	1.043	20.86
6	3/4	1.502	30.04
7	7/8	2.044	40.88
8	1	2.670	53.40

Continued on next page

HEX BAR



Hex Bar

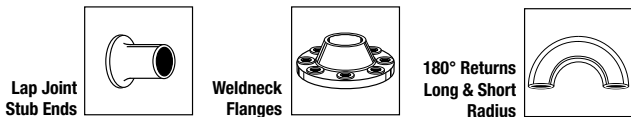
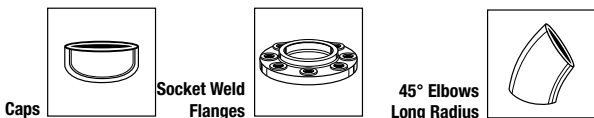
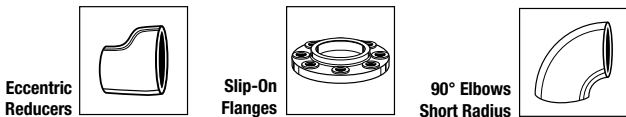
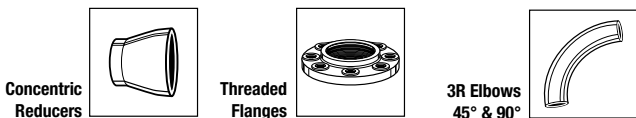
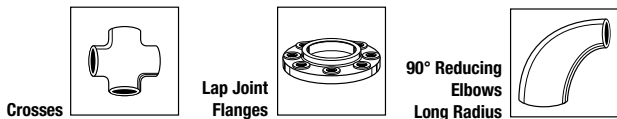
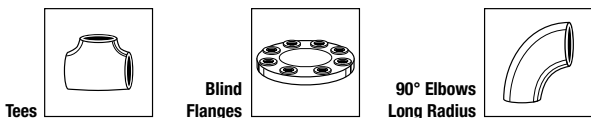
Size	Wgt. Per Ft.	Wgt. Per 12'	Size	Wgt. Per Ft.	Wgt. Per 12'
1/4	0.184	2.21	1 1/8	3.727	44.72
5/16	0.288	3.46	1 1/4	4.601	55.21
3/8	0.414	4.97	1 3/8	5.567	66.80
7/16	0.564	6.77	1 1/2	6.625	79.50
1/2	0.736	8.83	1 5/8	7.775	93.30
9/16	0.932	11.18	1 3/4	9.018	108.22
5/8	1.150	13.80	1 7/8	10.350	124.20
11/16	1.392	16.70	2	11.780	141.36
3/4	1.656	19.87	2 1/4	14.910	178.92
7/8	2.254	27.05	2 1/2	18.400	220.80
15/16	2.588	31.06	3	26.500	318.00
1	2.945	35.34			

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	Multiply Steel Weight by	Density Lbs./In ³		Multiply Steel Weight by	Density Lbs./In ³
Aluminum			Nickel (cont.)		
1100	.3462	.098	600	1.072	.306
2011	.3604	.102	625	1.075	.305
2014	.3568	.101	800H	1.012	.287
2017	.3568	.101	800AT	1.012	.287
2024	.3533	.100	825	1.037	.294
3003	.3498	.099	330	1.012	.287
5005	.3462	.098	20	1.030	.292
5052	.3427	.097	C-276	1.132	.321
5056	.3356	.095	2545MD	1.012	.287
5083	.3392	.096	Magnesium	.229	.065
5086	.3392	.096	Beryllium	.236	.067
6061	.3462	.098	Titanium	.575	.163
6063	.3462	.098	Zirconium	.812	.230
7050	.3568	.101	Cast Iron	.911	.258
7075	.3568	.101	Zinc	.911	.258
7178	.3604	.102	Brass	1.084	.307
Stainless			Columbium	1.095	.310
300 Series	1.030	.292	Copper	1.144	.324
400 Series	1.010	.286	Molybdenum	1.303	.369
Nickel			Silver	1.339	.379
200	1.132	.321	Lead	1.448	.410
400	1.125	.318	Tantalum	2.120	.600
R-405	1.121	.318	Tungsten	2.462	.697
K-500	1.075	.305	Gold	2.466	.698

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Metric Conversion Factors

Metric to English

Kilograms x 2.2046	= pounds
Kilograms ÷ 907.18	= tons (2000 lbs.)
Millimeters x 0.03937	= inches
Millimeters ÷ 25.4	= inches
Meters x 39.37	= inches
Meters x 3.281	= feet
Meters ÷ 1.094	= yards
Sq. millimeters x 0.00155	= sq. inches
Sq. millimeters ÷ 645.16	= sq. inches

English to Metric

Pounds ÷ 2.2046	= kilograms (kg)
Tons (2000 lbs.) x 907.18	= kilograms (kg)
Inches ÷ 0.03937	= millimeters (mm)
Inches x 25.4	= millimeters (mm)
Inches ÷ 39.37	= meters (m)
Feet ÷ 3.281	= meters (m)
Yards x 1.094	= meters (m)
Sq. inches ÷ 0.00155	= sq. millimeters (mm ²)
Sq. inches x 645.16	= sq. millimeters (mm ²)

English and Metric Equivalents

Weights

1 pound (1 lb.)	= 453.6 grams, or 0.4536 kilograms (kg)
1 lb. Per Ft. (lb./ft)	= 1.4882 kilograms Per meter (kg/m)
1 net ton (2000 lbs.)	= 907.18 kilograms (kg)
1 gross ton (2240 lbs.)	= 1016 kilograms, or 1.0160 metric tons
1 ounce Per sq. Ft.	= 305.15 grams, or 0.30515 kilograms Per sq. meter (kg/m ²)
1 kilogram (kg)	= 2.2046 lbs.
1 kilogram Per meter	= 0.67197 lbs. Per Ft.
1 metric ton (1000 kg)	= 2204.6 lbs = 1.10231 net tons

Measures

1 inch (in.)	= 25.40 millimeters (mm)
1 sq. inch (in. ²)	= 645.16 square millimeters
1 sq. Ft. (ft. ²)	= 0.092003 square meter
1 millimeter (mm)	= 0.03937 inch
1 sq. millimeter (mm ²)	= 0.00155 sq. inch
1 meter (m)	= 3.2808 feet
	= 1.09361 yards
1 sq. meter (m ²)	= 10.7639 sq. feet
	= 1.196 sq. yards

Temperature

Celsius (formerly called the centigrade scale)

tc = temperature (Celsius) in degrees

tf = temperature (Fahrenheit) in degrees

$$tc = \frac{tf - 32}{1.8} \quad tf = (tc \times 1.8) + 32$$



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Geometric Formulas

Circle

Area = Square of Diameter x .7854 or Square of Radius x 3.1416

Circumference = Diameter x 3.1416

Diameter = Circumference x .3183

Doubling diameter increases area four times; tripling diameter increases area nine times, etc.

Square

Area = Square of Side

Diagonal = Side x 1.4142

Side = Diagonal x .7071

Square Inscribed in Circle

Side of Square = Diameter of Circle x .7071 or Circumference of Circle x .2251

Diameter of Circle = Side of Square x 1.4142

Circumference of Circle = Side of Square x 4.4429

Square and Circle with Equal Area

Side of Square = Diameter of Circle x .8862

Diameter of Circle = Side of Square x 1.128

Circumference of Circle = Side of Square x 3.545

Rectangle

Area = Length x Width

Diagonal = Square root of sum of squares of Width and Length

Triangle

Area = 1/2 Base x Perpendicular Height

Hexagon (Equal Sides and Angles)

Area = Square of Distance across Flats x .866

Side = Distance across Flats x .577

Diagonal = Distance across Flats x 1.155 or Side x 2

Octagon (Equal Sides and Angles)

Area = Square of Distance across Flats x .828 or Square of Side x 4.828

Side = Diagonal x .383 or Distance across Flats x .414

Diagonal = Distance across Flats x 1.082 or Side x 2.613

Sphere

Area of Surface = Square of Diameter x 3.1416

Volume = Cube of Diameter x .5236

Cube

Area of Surface = Square of Side x 6

Volume = Cube of Side

Diagonal = Side x 1.732

Cylinder

Area of Curved Surface = Diameter x Length x 3.1416

Volume = Square of Diameter x Length x .7854

Cone

Area of Curved Surface = Diameter of Base x Slant Height x 1.5708

Volume = Diameter of Base Squared x Perpendicular Height x .2618 or Area of Base x 1/3

Perpendicular Height

Pyramid

Lateral Surface Area = 1/2 Perimeter of Base x Slant Height

Volume = 1/3 Area of Base x Perpendicular Height

Simple Weight Formulas

There are two methods for deriving weight of steel products. **Nominal weights** are based on the theoretical weight of steel taken as 40.84 pounds Per square Ft., one inch thick. **Standard weights** are based on experience, taking into consideration the various manufacturing practices. There may be some slight differences between the two weights and both can vary from the actual scale weight.

The following formulae are based upon Nominal weights and should be considered approximations rather than actual weights.

Solids

Rounds	Diameter squared x 2.67 = Weight Per Linear Ft.
Squares	Size squared x 3.4 = Weight Per :inear Ft.
Hexagons*	Diameter squared x 2.945 = Weight Per linear Ft.
Octagons *	Diameter squared x 2.817 = Weight Per Linear Ft.
Flats-Plate and Strip	Thickness (inches) x width (inches) x 3.4 = Weight Per Linear Ft. Or Thickness (inches) x width (inches) x .2833 = Weight Per Linear inch
Sheet	Thickness (inches) x width (inches) x 3.485 = Weight Per Linear Ft. Or Thickness (inches) x width (inches) x .2904 = Weight Per Linear inch
Circles	Diameter squared x thickness (inches) x .2225 = Weight Per Circle
Coils	Outside diameter squared – inside diameter squared x .2223 = Weight Per inch of width

*The diameter of hexagons and octagons is measured across the parallel flats.

Tubulars

Round Tubing	(D-T) 10.68 (T)	T = Nominal wall thickness D = Outside diameter
Square Tubing	(S-T) 13.6 (T)	S = Size
Rectangular Tubing	$13.6 \left(\frac{S1+S2}{2} - T \right) T$	



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Decimal and Metric Equivalents of Fractions of an Inch

Fraction Inch	Decimal Inch	Millimeters	Fraction Inch	Decimal Inch	Millimeters
1/64	.015625	0.39688	33/64	.515625	13.09690
1/32	.03125	0.79375	17/32	.53125	13.49378
3/64	.046875	1.19063	35/64	.546875	13.89065
1/16	.0625	1.58750	9/16	.5625	14.28753
5/64	.078125	1.98438	37/64	.578125	14.68440
3/32	.09375	2.38125	19/32	.59375	15.08128
7/64	.109375	2.77813	39/64	.609375	15.47816
1/8	.1250	3.17501	5/8	.6250	15.87503
9/64	.140625	3.57188	41/64	.640625	16.27191
5/32	.15625	3.96876	21/32	.65625	16.66878
11/64	.171875	4.36563	43/64	.671875	17.06566
3/16	.1875	4.76251	11/16	.6875	17.46253
13/64	.203125	5.15939	45/64	.703125	17.85941
7/32	.21875	5.55626	23/32	.71875	18.25629
15/64	.234375	5.95314	47/64	.734375	18.65316
1/4	.2500	6.35001	3/4	.7500	19.05004
17/64	.265625	6.74689	49/64	.765625	19.44691
9/32	.28125	7.14376	25/32	.78125	19.84379
19/64	.296875	7.54064	51/64	.796875	20.24067
5/16	.3125	7.93752	13/16	.8125	20.63754
21/64	.328125	8.33439	53/64	.828125	21.03442
11/32	.34375	8.73127	27/32	.84375	21.43129
23/64	.359375	9.12814	55/64	.859375	21.82817
3/8	.3750	9.52502	7/8	.8750	22.22504
25/64	.390625	9.92189	57/64	.890625	22.62192
13/32	.40625	10.31877	29/32	.90625	23.01880
27/64	.421875	10.71565	59/64	.921875	23.41567
7/16	.4375	11.11252	15/16	.9375	23.81255
29/64	.453125	11.50940	61/64	.953125	24.20942
15/32	.46875	11.90627	31/32	.96875	24.60630
31/64	.484375	12.30315	63/64	.984375	25.00318
1/2	.5000	12.70003	1	1.0000	25.40005

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