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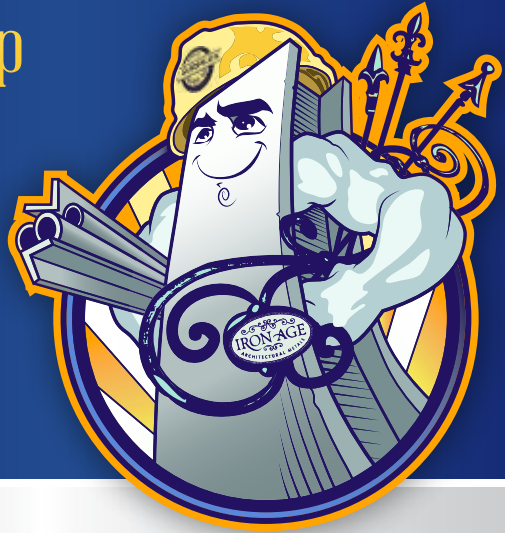
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TABLE OF CONTENTS

Angle	2 - 6	Bar Grating	51
Channel	7 - 8	Expanded Metal	52 - 53
Misc. Channel	8 - 10	Rebar	54
Bar Channel	10	Hex Bar	55
Flat Bar - UM Plate	11	Surplus	56
Flat Bar - CR & HR	12 - 16	Steel Pipe Bollards	57
Wide Flange Beam - H Beam	17 - 26	Ornamental Steel	58 - 60
Standard I Beam - S Beam	27 - 28	Processing Services	61
M "JR." Beam - Light Beam	28	Gate Operators & Accessories	62
Tees - Bar Size	29	Fabrication Accessories	63
Rounds CR & HR	29 - 32	Metric Conversion Factors	64
Square CR & HR	33	Geometric Formulas	65
Square Tubing	33 - 37	Simple Weight Formulas	66
Rectangular Tubing	37 - 43	Decimal & Metric Equivalents of Fractions of an Inch	67
Pipe	43 - 46	Gauge Decimal	68
Plate	48	feeney® CableRail® & DesignRail	69
Floor Plate	49		
Sheet	50		

ANGLE



Size	Weight Per Ft.	Weight 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
2 x 2 x 5/16	3.92	78.40
2 x 2 x 3/8	4.70	94.00

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Angle (continued)

Size	Weight Per Ft.	Weight Per 20'
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	3.71	74.20
3 x 3 x 1/4	4.90	98.00
3 x 3 x 3/8	7.20	144.00
3 x 3 x 1/2	9.40	188.00

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Angle (continued)

Size	Weight Per Ft.	Weight Per 20'
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
5 x 3 x 3/8	9.80	196.00
5 x 3 x 1/2	12.80	256.00

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Angle (continued)

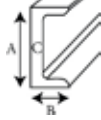
Size	Weight Per Ft.	Weight Per 20'
5 x 3 x 5/8	15.70	314.00
5 x 3 x 3/4	18.50	370.00
5 x 3 1/2 x 1/4	7.00	140.00
5 x 3 1/2 x 5/16	8.70	174.00
5 x 3 1/2 x 3/8	10.40	208.00
5 x 3 1/2 x 1/2	13.60	272.00
5 x 3 1/2 x 5/8	16.80	336.00
5 x 3 1/2 x 3/4	19.80	396.00
5 x 5 x 5/16	10.30	206.00
5 x 5 x 3/8	12.30	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
6 x 6 x 3/8	14.90	298.00
6 x 6 x 1/2	19.60	392.00

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Angle

Size	Weight Per Ft.	Weight Per 20'
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

CHANNEL



(A) Depth Inches	x	Weight lbs 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
9	x	13.40	2.430	0.230
9	x	15.00	2.485	0.285

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Channel (continued)

(A) Depth Inches		Weight lbs Per Ft.	(B) Flange Width	(C) Web Thk.
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 lbs 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
6	x	15.10	2.938	0.316
6	x	15.30	3.500	0.340
6	x	16.30	3.000	0.375

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Misc. Channel (continued)

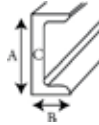
(A) Depth Inches	x	Weight lbs Per Ft.	(B) Flange Width	(C) Web Thk.
6	x	18.00	3.500	0.379
7	x	17.60	3.000	0.375
7	x	19.10	3.450	0.352
7	x	22.70	3.600	0.503
8	x	8.50	1.875	0.180
8	x	18.70	2.975	0.353
8	x	20.00	3.025	0.400
8	x	21.40	3.450	0.375
8	x	22.80	3.500	0.427
9	x	23.90	3.450	0.400
9	x	25.40	3.500	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 (continued)

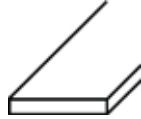
(A) Depth Inches		Wgt. lbs Per Ft.	(B) Flange Width	(C) Web Thk.
13	x	35.00	4.072	0.447
13	x	40.00	4.185	0.560
13	x	50.00	4.412	0.787
18	x	42.70	3.950	0.450
18	x	45.80	4.000	0.500
18	x	51.90	4.100	0.600
18	x	58.00	4.200	0.700

BAR CHANNEL



(A) Depth Inches		(B) Flange Width	(C) Web Thk.	Wgt. lbs 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

FLAT BAR - UM PLATE



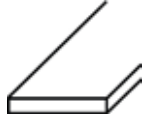
Size			Wgt. Per Ft.	Size			Wgt. Per Ft.
1/4	x	9	7.65	1/2	x	11	18.72
	x	10	8.51		x	12	20.42
	x	11	9.36	5/8	x	9	19.13
	x	12	10.21		x	10	21.27
5/16	x	9	9.56		x	12	25.53
	x	10	10.64	3/4	x	9	22.95
	x	12	12.75		x	10	25.53
3/8	x	9	11.48		x	11	28.08
	x	10	12.76		x	12	30.63
	x	11	14.04	1	x	9	30.63
	x	12	15.32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

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FLAT BAR CR & HR



Size		Weight Per Ft.		Size		Weight 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
		12	5.100		x	12	7.650

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Flat Bar CR & HR (continued)

Size		Weight Per Ft.		Size		Weight Per Ft.	
1/4	x	1/2	.425	5/16	x	2 1/4	2.391
	x	3/4	.638		x	2 1/2	2.656
	x	1	.850		x	2 3/4	2.922
	x	1 1/4	1.063		x	3	3.188
	x	1 1/2	1.275		x	3 1/4	3.453
	x	1 3/4	1.488		x	3 1/2	3.719
	x	2	1.700		x	4	4.250
	x	2 1/4	1.913		x	4 1/2	4.780
	x	2 1/2	2.125		x	5	5.313
	x	3	2.550		x	5 1/2	5.844
	x	3 1/4	2.763		x	6	6.375
	x	3 1/2	2.975		x	7	7.438
	x	4	3.400		x	8	8.500
	x	4 1/2	3.825		x	9	9.560
	x	5	4.250	3/8	x	1/2	.638
	x	5 1/2	4.675		x	3/4	.956
	x	6	5.100		x	1	1.275
	x	6 1/2	5.520		x	1 1/4	1.594
	x	7	5.950		x	1 1/2	1.913
	x	8	6.800		x	1 3/4	2.231
	x	9	7.660		x	2	2.550
5/16	x	3/4	.797		x	2 1/4	2.869
	x	1	1.063		x	2 1/2	3.188
	x	1 1/4	1.328		x	2 3/4	3.506
	x	1 1/2	1.594		x	3	3.825
	x	2	2.125		x	3 1/4	4.144

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Flat Bar CR & HR (continued)

Size		Weight Per Ft.		Size		Weight Per Ft.	
3/8	x	3 1/2	4.463	1/2	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
	x	2	3.400		x	1 1/2	3.825
	x	2 1/4	3.825		x	2	5.100
	x	2 1/2	4.250		x	2 1/2	6.375
	x	2 3/4	4.675		x	3	7.650
	x	3	5.100		x	3 1/2	8.925
	x	3 1/4	5.525		x	4	10.200
	x	3 1/2	5.950		x	4 1/2	11.480
	x	4	6.800		x	5	12.750
	x	4 1/2	7.650		x	5 1/2	14.030
	x	5	8.500		x	6	15.300
	x	5 1/2	9.350		x	7	17.850
	x	6	10.200		x	8	20.400

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Flat Bar CR & HR (continued)

Size		Weight Per Ft.		Size		Weight Per Ft.	
3/4	x	9	22.950	1	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
1	x	1 1/4	4.250		x	3 1/4	13.810
	x	1 1/2	5.100		x	3 1/2	14.880
	x	2	6.800		x	4	17.000
	x	2 1/2	8.500		x	4 1/2	19.130
	x	3	10.200		x	5	21.250
	x	3 1/2	11.900		x	5 1/2	23.380
	x	4	13.600		x	6	25.500
	x	4 1/2	15.300		x	7	29.750
	x	5	17.000		x	8	34.000
	x	5 1/2	18.700	1 1/2	x	2	10.200
	x	6	20.400		x	2 1/4	11.480
	x	7	23.800		x	2 1/2	12.750

continued on next page

Flat Bar CR & HR (continued)

Size		Weight Per Ft.	
1 1/2	x	2 3/4	14.030
	x	3	15.300
	x	3 1/2	17.850
	x	4	20.400
	x	4 1/2	22.950
	x	5	25.500
	x	5 1/2	28.050
	x	6	30.600
	x	7	35.700
	x	8	40.800
1 3/4	x	2	11.900
	x	2 1/2	14.880
	x	3	17.850
	x	3 1/2	20.830
	x	4	23.800

Size		Weight Per Ft.	
1 3/4	x	4 1/2	26.780
	x	5	29.750
	x	5 1/2	32.730
	x	6	35.700
2	x	2 1/4	15.300
	x	2 1/2	17.000
	x	3	20.400
	x	3 1/2	23.800
	x	4	27.200
	x	4 1/2	30.600
	x	5	34.000
	x	5 1/2	37.400
	x	6	40.800
	x	7	47.600
	x	8	54.400



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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
	x 19.000	5.150	0.270	5.030	0.430
W 6	x 9.000	5.900	0.170	3.940	0.215
	x 12.000	6.030	0.230	4.000	0.280
	x 15.000	5.990	0.230	5.990	0.260
	x 16.000	6.280	0.260	4.030	0.405
	x 20.000	6.200	0.260	6.020	0.365
	x 25.000	6.380	0.320	6.080	0.455
W 8	x 10.000	7.890	0.170	3.940	0.205
	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	.0250	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

continued on next page

Wide Flange Beam - H Beam (Continued)

			(A)	(B)	(C)	(D)	
		Weight	Section	Web	Flange	Flange	
		Per Ft.	Depth In.	Thk.	Width	Thk.	
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
		x	60.000	10.220	0.420	10.080	0.680
		x	68.000	10.400	0.470	10.130	0.770
		x	77.000	10.600	0.530	10.190	0.870
		x	88.000	10.840	0.605	10.265	0.990
		x	100.000	11.100	0.680	10.340	1.120
		x	112.000	11.360	0.755	10.415	1.250
W	12	x	14.000	11.910	0.200	3.970	0.225
		x	16.000	11.990	0.220	3.990	0.265
		x	19.000	12.160	0.235	4.005	0.350
		x	22.000	12.310	0.260	4.030	0.425
		x	26.000	12.220	0.230	6.490	0.380
		x	30.000	12.340	0.260	6.520	0.440
		x	35.000	12.500	0.300	6.560	0.520

continued on next page

Wide Flange Beam - H Beam (Continued)

			(A)	(B)	(C)	(D)	
			Weight	Section	Web	Flange	
			Per Ft.	Depth In.	Thk.	Flange	
					Width	Thk.	
W	12	x	40.000	11.940	0.295	8.005	0.515
		x	45.000	12.060	0.335	8.045	0.575
		x	50.000	12.190	0.370	8.080	0.640
		x	53.000	12.060	0.345	9.995	0.575
		x	58.000	12.190	0.360	10.010	0.640
		x	65.000	12.120	0.390	12.000	0.605
		x	72.000	12.250	0.430	12.040	0.670
		x	79.000	12.380	0.470	12.080	0.735
		x	87.000	12.530	0.515	12.125	0.810
		x	96.000	12.710	0.550	12.160	0.900
		x	106.000	12.890	0.610	12.220	0.990
		x	120.000	13.120	0.710	12.320	1.105
		x	136.000	13.410	0.790	12.400	1.250
		x	152.000	13.710	0.870	12.480	1.400
		x	170.000	14.030	0.960	12.570	1.560
		x	190.000	14.380	1.060	12.670	1.735
		x	210.000	14.710	1.180	12.790	1.900
		x	230.000	15.050	1.285	12.895	2.070
		x	252.000	15.410	1.395	13.005	2.250
		x	279.000	15.850	1.530	13.140	2.470
		x	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
			30.000	13.840	0.270	6.730	0.385

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Wide Flange Beam - H Beam (Continued)

			(A)	(B)	(C)	(D)	
		Weight	Section	Web	Flange	Flange	
		Per Ft.	Depth In.	Thk.	Width	Thk.	
W	14	x	34.000	13.980	0.285	6.745	0.455
		x	38.000	14.100	0.310	6.770	0.515
		x	43.000	13.660	0.305	7.995	0.530
		x	48.000	13.790	0.340	8.030	0.595
		x	53.000	13.920	0.370	8.060	0.660
		x	61.000	13.890	0.375	9.995	0.645
		x	68.000	14.040	0.415	10.035	0.720
		x	74.000	14.170	0.450	10.070	0.785
		x	82.000	14.310	0.510	10.130	0.855
		x	90.000	14.020	0.440	14.520	0.710
		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

continued on next page

Wide Flange Beam - H Beam (Continued)

			(A)	(B)	(C)	(D)	
			Weight	Section	Web	Flange	
			Per Ft.	Depth In.	Thk.	Width	
						Thk.	
W	16	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
		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

continued on next page

Wide Flange Beam - H Beam (Continued)

			(A)	(B)	(C)	(D)	
			Weight	Section	Web	Flange	
			Per Ft.	Depth In.	Thk.	Width	
						Thk.	
W	18	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
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	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

continued on next page

Wide Flange Beam - H Beam (Continued)

			(A) Weight Per Ft.	(B) Section Depth In.	(C) Web Thk.	(D) Flange Width	(E) Flange Thk.
W	21	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
		x	104.000	24.060	0.500	12.750	0.750
		x	117.000	24.260	0.550	12.800	0.850
		x	131.000	24.480	0.605	12.855	0.960
		x	146.000	24.740	0.650	12.900	1.090
		x	162.000	25.000	0.705	12.955	1.220
		x	176.000	25.240	0.750	12.890	1.340
		x	192.000	25.470	0.810	12.950	1.460
		x	207.000	25.710	0.870	13.010	1.570
		x	229.000	26.020	0.960	13.110	1.730
		x	250.000	26.340	1.040	13.185	1.890
		x	279.000	26.730	1.160	13.305	2.090
		x	306.000	27.130	1.260	13.405	2.280
W	27	x	84.000	26.710	0.460	9.960	0.640
		x	94.000	26.920	0.490	9.990	0.745
		x	102.000	27.090	0.515	10.015	0.830
		x	114.000	27.290	0.570	10.070	0.930
		x	146.000	27.380	0.605	13.965	0.975
		x	161.000	27.590	0.660	14.020	1.080

continued on next page

Wide Flange Beam - H Beam (Continued)

			(A)	(B)	(C)	(D)	
		Weight	Section	Web	Flange	Flange	
		Per Ft.	Depth In.	Thk.	Width	Thk.	
W	27	x	178.000	27.810	0.725	14.085	1.190
		x	194.000	28.110	0.750	14.035	1.340
		x	217.000	28.430	0.830	14.115	1.500
		x	235.000	28.660	0.910	14.190	1.610
		x	258.000	28.980	0.980	14.270	1.770
		x	281.000	29.290	1.060	14.350	1.930
		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	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	118.000	32.860	0.550	11.480	0.740
		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

continued on next page

Wide Flange Beam - H Beam (Continued)

			(A)	(B)	(C)	(D)	
			Weight	Section	Web	Flange	
			Per Ft.	Depth In.	Thk.	Width	
						Thk.	
W	33	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
		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	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	149.000	38.200	0.630	11.810	0.830
		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

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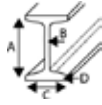
Wide Flange Beam - H Beam (Continued)

			(A)	(B)	(C)	(D)	
			Weight	Section	Web	Flange	
			Per Ft.	Depth In.	Thk.	Flange	
					Width	Thk.	
W	40	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
		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



WE STOCK CULVERT!

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
		x	7.50	0.349	2.509	0.260
S 4	x		7.70	0.193	2.663	0.293
		x	9.50	0.326	2.796	0.293
S 5	x		10.00	0.214	3.004	0.326
		x	14.75	0.494	3.284	0.326
S 6	x		12.50	0.232	3.332	0.359
		x	17.25	0.465	3.565	0.359
S 7	x		15.30	0.252	3.662	0.392
		x	20.00	0.392	3.860	0.450
S 8	x		18.40	0.271	4.001	0.425
		x	23.00	0.441	4.171	0.425
S 10	x		25.40	0.311	4.661	0.491
		x	35.00	0.594	4.944	0.491
S 12	x		31.80	0.350	5.000	0.544
		x	35.00	0.428	5.078	0.544
		x	40.80	0.460	5.252	0.659
		x	50.00	0.687	5.477	0.659
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

continued on next page

Standard I Beam - S Beam (Continued)

(A) Size			Weight Per Ft.	(B) Web Thk.	(C) Flange Width	(D) Flange Thk.
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
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
		x	6.50	0.135	2.281	0.189
		x	9.00	0.157	2.690	0.206
		x	11.80	0.177	3.065	0.225

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



Size	Weight Per Ft.	Weight 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
7/16	0.51	10.22
1/2	0.67	13.36

continued on next page

Round Bar CR & HR (Continued)

Size	Weight Per Ft.	Weight Per 20'
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
2 7/16	15.87	317.40
2 1/2	16.69	333.80

continued on next page

Round Bar CR & HR (Continued)

Size	Weight Per Ft.	Weight Per 20'
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
5 3/8	77.15	1543.00
5 7/16	78.95	1579.00
5 1/2	80.78	1615.60

continued on next page

Round Bar CR & HR (Continued)

Size	Wgt. Per Ft.	Wgt. Per 20'
5 5/8	84.49	1689.80
5 3/4	88.29	1765.80
6	96.13	1992.60
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

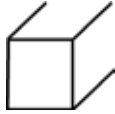


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SQUARE CR & HR



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

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

continued on next page

Square Tubing (Continued)

Size	Gauge	Thickness	Wgt. Per Ft.
3/4 x 3/4	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
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

continued on next page

Square Tubing (Continued)

Size	Gauge	Thickness	Wgt. Per Ft.
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
	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
5 x 5	11	0.120	8.160
	3/16	0.188	11.970
	1/4	0.250	15.620
	5/16	0.312	19.080

continued on next page

Square Tubing (Continued)

Size	Gauge	Thickness	Wgt. Per Ft.
5 x 5	3/8	0.375	22.370
	1/2	0.500	28.430
6 x 6	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
7 x 7	3/16	0.188	17.080
	1/4	0.250	22.420
	5/16	0.312	27.590
	3/8	0.375	32.580
	1/2	0.500	42.050
	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

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Square Tubing (Continued)

Size	Gauge	Thickness	Wgt. Per Ft.
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

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

continued on next page

Rectangular Tubing (Continued)

Size	Gauge	Thickness	Wgt. Per Ft.
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
	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

continued on next page

Rectangular Tubing (Continued)

Size	Gauge	Thickness	Wgt. Per Ft.
4 x 3	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
	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
	3/8	0.375	19.820
6 x 2	11	0.120	6.220
	3/16	0.188	9.420
	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

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Rectangular Tubing (Continued)

Size	Gauge	Thickness	Wgt. Per Ft.
6 x 3	3/8	0.375	19.820
	1/2	0.500	25.030
6 x 4	3/16	0.188	11.970
	1/4	0.250	15.620
	5/16	0.312	19.080
	3/8	0.375	22.370
	1/2	0.500	28.430
7 x 3	3/16	0.188	11.970
	1/4	0.250	15.620
	5/16	0.312	19.080
	3/8	0.375	22.370
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

continued on next page

Rectangular Tubing (Continued)

Size	Gauge	Thickness	Wgt. Per Ft.
8 x 3	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
	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
	1/2	0.500	42.050
10 x 5	3/16	0.188	18.350
	1/4	0.250	24.120
	5/16	0.312	29.720
	3/8	0.375	35.140
10 x 6	3/16	0.188	19.630

continued on next page

Rectangular Tubing (Continued)

Size	Gauge	Thickness	Wgt. Per Ft.
10 x 6	1/4	0.250	25.820
	5/16	0.312	31.840
	3/8	0.375	37.690
	1/2	0.500	48.850
10 x 8	3/16	0.188	22.180
	1/4	0.250	29.290
	5/16	0.312	36.380
	3/8	0.375	42.790
	1/2	0.500	55.660
12 x 2	3/16	0.188	17.080
	1/4	0.250	22.420
	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
	1/2	0.500	48.850
12 x 6	3/16	0.188	22.180
	1/4	0.250	29.230
	5/16	0.312	36.100
	3/8	0.375	42.790
	1/2	0.500	55.660
	5/8	0.625	67.820
12 x 8	3/16	0.188	24.730
	1/4	0.250	32.630

continued on next page

Rectangular Tubing (Continued)

Size	Gauge	Thickness	Wgt. Per Ft.
12 x 8	5/16	0.312	40.350
	3/8	0.375	47.900
	1/2	0.500	62.460

PIPE



Nominal Pipe Size, Inches	Outside Diameter Inches	I.P.S. Sch.	Std. Ex. Hvy. XXH	Inside Diameter Inches	Wall Thickness Inches	Weight per foot lbs Plain End
1/2	0.840	5	Std. Ex. Hvy. XX Hvy.	0.710	0.065	0.538
		10		0.674	0.083	0.671
		40		0.622	0.109	0.851
		80		0.546	0.147	1.088
		160		0.466	0.187	1.304
				0.252	0.294	1.714
3/4	1.050	5	Std. Ex. Hvy. XX Hvy.	0.920	0.065	0.684
		10		0.844	0.083	0.857
		40		0.824	0.113	1.130
		80		0.742	0.154	1.474
		160		0.614	0.216	1.937
				0.434	0.308	2.441
1	1.315	5	Std. Ex. Hvy. XX Hvy.	1.185	0.065	0.868
		10		1.097	0.109	1.404
		40		1.049	0.133	1.679
		80		0.957	0.179	2.172
		160		0.815	0.250	2.844
				0.599	0.358	3.659
1 1/4	1.660	5	Std. Ex. Hvy. XX Hvy.	1.530	0.065	1.107
		10		1.442	0.109	1.806
		40		1.380	0.140	2.273
		80		1.278	0.191	2.997
		160		1.160	0.250	3.765
				0.896	0.382	5.214

continued on next page

Pipe (Continued)

Nominal Pipe Size, Inches	Outside Diameter Inches	I.P.S. Sch.	Std. Ex. Hvy. XXH	Inside Diameter Inches	Wall Thickness Inches	Weight per foot lbs Plain End	
1 1/2	1.900	5		1.770	0.065	1.274	
		10		1.682	0.109	2.085	
		40	Std.	1.610	0.145	2.718	
		80	Ex. Hvy.	1.500	0.200	3.630	
		160			1.338	0.281	4.859
				XX Hvy.	1.100	0.400	6.408
2	2.375	5		2.245	0.065	1.604	
		10		2.157	0.109	2.638	
		40	Std.	2.067	0.154	3.653	
		80	Ex. Hvy.	1.939	0.218	5.022	
		160			1.689	0.343	7.444
				XX Hvy.	1.503	0.436	9.029
2 1/2	2.875	5		2.709	0.083	2.475	
		10		2.635	0.120	3.531	
		40	Std.	2.469	0.203	5.793	
		80	Ex. Hvy.	2.323	0.276	7.661	
		160			2.125	0.375	10.010
				XX Hvy.	1.771	0.552	13.700
3	3.500	5		3.334	0.083	3.029	
		10		3.260	0.120	4.332	
		40	Std.	3.068	0.216	7.596	
		80	Ex. Hvy.	2.900	0.300	10.250	
		160			2.624	0.437	14.320
				XX Hvy.	2.300	0.600	18.580
3 1/2	4.000	5		3.834	0.083	3.472	
		10		3.760	0.120	4.973	
		40	Std.	3.548	0.226	9.109	
		80	Ex. Hvy.	3.364	0.318	12.510	
4	4.500	5		4.334	0.083	3.915	
		10		4.260	0.120	5.613	
		40	Std.	3.826	0.237	10.790	
		80	Ex. Hvy.	3.624	0.337	14.980	
		120			3.438	0.437	19.010
			160		3.152	0.531	22.510
		XX Hvy.	4.506	0.674	27.540		
4 1/2	5.000	40	Std.	4.290	0.247	12.530	
		80	Ex. Hvy.	3.580	0.355	17.610	
			XX Hvy.		0.710	32.530	

Pipe(Continued)

Nominal Pipe Size, Inches	Outside Diameter Inches	I.P.S. Sch.	Std. Ex. Hvy. XXH	Inside Diameter Inches	Wall Thickness Inches	Weight per foot lbs Plain End
5	5.563	5		5.345	0.109	6.349
		10		5.295	0.134	7.770
		40	Std.	5.047	0.258	14.620
		80	Ex. Hvy.	4.813	0.375	20.780
		120		4.563	0.500	27.040
		160		4.313	0.625	32.960
			XX Hvy.	4.063	0.750	38.550
6	6.625	5		6.407	0.109	7.585
		10		6.357	0.134	9.289
		40	Std.	6.065	0.280	18.970
		80	Ex. Hvy.	5.761	0.432	28.570
		120		5.491	0.562	36.390
		160		5.189	0.719	45.350
			XX Hvy.	4.897	0.864	53.160
7	7.625	40	Std.	7.023	0.301	23.570
		80	Ex. Hvy.	6.625	0.500	38.050
			XX Hvy.	5.875	0.875	63.080
8	8.625	5		8.407	0.109	9.914
		10		8.329	0.148	13.400
		40	Std.	7.981	0.322	28.550
		80	Ex. Hvy.	7.625	0.500	43.390
		160	XX Hvy.	6.875	0.875	72.420
				6.813	0.906	74.690
9	9.625	40	Std.	8.941	0.342	33.900
		80	Ex. Hvy.	8.625	0.500	48.720
			XX Hvy.	7.875	0.875	81.770
10	10.750	5		10.482	0.134	15.190
		10		10.420	0.165	18.700
		40	Std.	10.020	0.365	40.480
		80	Ex. Hvy.	9.750	0.500	54.740
		140		8.750	1.000	104.130
		160		8.500	1.125	115.640
11	11.750	40	Std.	11.000	0.375	45.550
		80	Ex. Hvy.	10.750	0.500	60.070
			XX Hvy.	10.000	0.875	101.630
12	12.750	5		12.420	0.165	22.180
			Std.	12.000	0.375	49.560
		40		11.938	0.406	53.530
		80	Ex. Hvy.	11.750	0.500	65.420
		160		10.126	1.312	160.270

Pipe (Continued)

Nominal Pipe Size, Inches	Outside Diameter Inches	I.P.S. Sch.	Std. Ex. Hvy. XXH	Inside Diameter Inches	Wall Thickness Inches	Weight per foot lbs Plain End
14	14.000	10	Std. Ex. Hvy.	13.500	0.250	36.710
		30		13.250	0.375	54.570
		40		13.124	0.437	63.370
				13.000	0.500	72.090
		80		12.500	0.750	106.100
		140		11.500	1.250	170.200
		160		11.188	1.406	189.100
16	16.000	10	Std. Ex. Hvy.	15.500	0.250	42.050
		30		15.250	0.375	62.580
		40		15.000	0.500	82.770
		80		14.314	0.843	136.500
		140		13.124	1.437	223.500
				12.814	1.593	245.100
18	18.000	10	Std. Ex. Hvy.	17.500	0.250	47.390
				17.250	0.375	70.590
				17.000	0.500	93.450
		40		16.876	0.562	104.800
		80		16.126	0.937	170.800
		140		14.876	1.562	274.200
		160		14.438	1.781	308.500
20	20.000	10	Std. Ex. Hvy.	19.500	0.250	52.730
		20		19.250	0.375	78.600
		30		19.000	0.500	104.100
		40		18.814	0.593	122.900
		80		17.938	1.031	208.900
		140		16.500	1.750	341.100
		160		16.064	1.968	379.000
22	22.000	10	Std. Ex. Hvy.	21.500	0.250	58.070
		20		21.250	0.375	86.610
		30		21.000	0.500	114.800
		80		19.750	1.125	250.800
		140		18.250	1.875	403.000
				17.750	2.125	451.100
24	24.000	10	Std. Ex. Hvy.	23.500	0.250	63.410
		20		23.250	0.375	94.620
				23.000	0.500	125.500
		40		22.626	0.687	171.200
		80		21.564	1.218	296.400
		140		19.876	2.062	483.100
		160		19.314	2.344	542.130

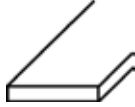


STOP BY OUR **SHOWROOM**

**Whether you're looking for steel, ornamental iron,
trailer parts or fabrication accessories to finish the
job - we've got what you need!**

PLATE

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



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



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

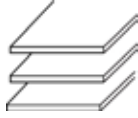
WILL-CALL

A convenient way to place your order, as easy as 1 2 3!

1. Call ahead and place your order with one of our friendly salespeople.
2. Come to our Will-Call located in our Sales Office.
3. We will assist you with FAST ON-SITE LOADING.

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SHEET



Carbon Steel

Thickness Gauge	Inches	Wgt Per Sq. Ft.
10	0.134	5.625
11	0.119	5.000
12	0.104	4.375
14	0.074	3.125
16	0.059	2.500
18	0.047	2.000
20	0.035	1.500
22	0.029	1.250
24	0.023	1.000
26	0.017	0.750
28	0.014	0.625
30	0.012	0.500

Galvanized

Thickness Inches	Wgt Per Sq. Ft.
0.138	5.781
0.123	5.156
0.108	4.531
0.078	3.281
0.063	2.656
0.051	2.156
0.039	1.656
0.033	1.406
0.027	1.156
0.021	0.906
0.018	0.781
0.015	0.656



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place an order? Call us today!

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BAR GRATING

Galvanized or Mill Finish. Smooth or Serrated.



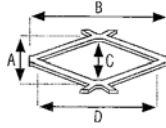
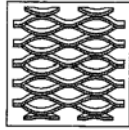
Carbon Steel - 19W4 Spacing

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.
We can fabricate to your specifications.

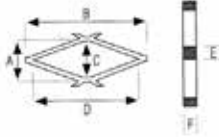
EXPANDED METAL

Available in Stainless Steel, Galvanized and Aluminum.



Regular Expanded Metal - Carbon Steel

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



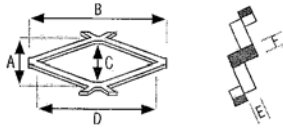
Flattened Expanded Metal - Carbon Steel

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

continued on next page

Flattened Expanded Metal - Carbon Steel (Continued)

Style	#	Wgt. in lbs Per C.S.F.		Center to Center		Size of Opening		Size of Strands	
		Galv.		(A) Width	(B) Length	(C) Width	(D) Length	(E) Width	(F) Thk.
1/2"	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

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
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 specification as needed.



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

HEX BAR

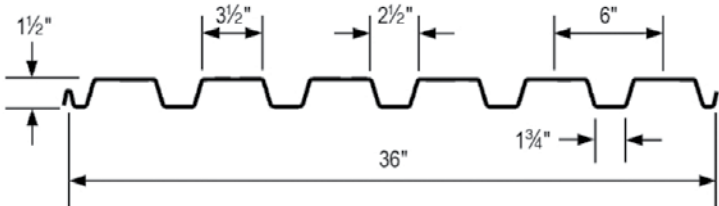


Size	Wgt. Per Ft.	Wgt. Per 12'	Size	Wgt. Per Ft.	Wgt. Per 12'
1/4	0.184	2.21	1 1/8	3.727	44.72
5/16	0.288	3.46	1 1/4	4.601	55.21
3/8	0.414	4.97	1 3/8	5.567	66.80
7/16	0.564	6.77	1 1/2	6.625	79.50
1/2	0.736	8.83	1 5/8	7.775	93.30
9/16	0.932	11.18	1 3/4	9.018	108.22
5/8	1.150	13.80	1 7/8	10.350	124.20
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			

B DECKING

Always in stock!

22ga x 3' x 22' Galvanized B-Decking

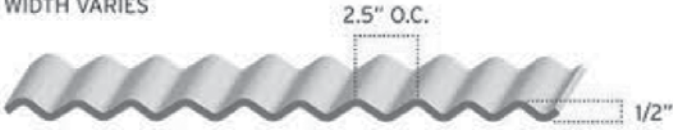


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We carry 3 different sizes:

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- 24ga x 36" x 120" Galvanized
- 24ga x 36" x 144" Galvanized

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WIDTH VARIES



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With our extensive inventory of ornamental iron we can help you transform your home or business into a beautiful work of art! Whether you are looking to add an ornamental staircase railing to create a dramatic entrance to your home, a beautifully artistic fence or another creative option, we have all of the ornamental iron supplies you need.

Our state-of-the-art warehouse has an inventory of ornamental iron products that are ready for your use whether you have a renovation, fabrication project or another task at hand. Chances are, if you want it, we have it on hand or can place in a quick order for you! While we stock a vast list of ornamental iron products, here are some of our usual offerings:

Metals

Forged Steel, Wrought Iron, Aluminum, Cast Iron, Cast Aluminum, Steel, Brass

Architectural Components

Hand Forged Iron, Wrought Iron, Balusters, Handrails, Burglar Bars, Brackets, Fittings, Rosettes

continued on next page

ORNAMENTAL STEEL (Continued)

Aluminum



Big Scrolls



Brass and Bronze



Bushes & Baskets



Column Terminals



Flowers & Ornaments



Newel Posts



Overthrows



Panels



Pickets



Pickets for Fencing



Pierced Bars



Powder Coated Pickets



Rings



Rosettes



continued on next page

ORNAMENTAL STEEL (Continued)

Scrolls



Shaped Bars



Snap Ons



Spear Points



Spheres



Tops & Plates



Various



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- Torch Cutting
- Plasma Cutting
- Primer Painting
- Galvanizing
- Punching
- Painting
- Welding



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BASE PLATES

3/16 x 3" x 3" x 3/8 Hole
3/16 x 4" x 4" x 3/8 Hole
1/4 x 4" x 4" x 3/8 Hole
1/4 x 4" x 4" x 1/2 Hole
1/4 x 5" x 5" x 3/8 Hole
1/4 x 6" x 6" x 3/8 Hole
1/4 x 6" x 6" x 1/2 Hole
1/4 x 8" x 8" x 3/8 Hole
1/4 x 8" x 8" x 1/2 Hole
1/4 x 12 x 12" x 3/4 Hole
1/2 x 12" x 12" x 3/4 Hole



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

Metric to English

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)
Sq. Inches x 645.16	= Sq. Millimeters (mm)

English and Metric Equivalents

Weights

1 Pound (1 lbs.)	= 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 Square Inch (in ²)	= 645.16 Square Millimeters
1 Square Ft. (ft. ²)	= 0.092003 Square Meter
1 Millimeter (mm)	= 0.03937 Inch
1 Square Millimeter (mm ²)	= 0.00155 Square Inch
1 Meter (m)	= 3.2808 Feet
	= 1.09361 Yards
1 Square Meter (m ²)	= 10.7639 Square Feet
	= 1.196 Square Yards

Temperature

Celsius (formerly called the centigrade scale)

tc = temperature (Celsius) in degrees

tf = temperature (Fahrenheit) in degrees

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

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 of 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

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	3.9876	21/32	.65625	16.66878
11/64	.171875	4.36563	43/64	.67185	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	5.9314	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	1.000	25.4005

Gauge Decimal

Gauge No.	Tubing	Sheets	Gauge No.	Tubing	Sheets
2 - 0	.380	.34375	19	.042	.0418
1 - 0	.340	.3125	20	.035	.0359
1	.300	.28125	21	.032	.0329
2	.284	.26562	22	.028	.0299
3	.259	.2391	23	.025	.0269
4	.238	.2242	24	.022	.0239
5	.220	.2092	25	.020	.0209
6	.203	.1943	26	.018	.0179
7	.180	.1793	27	.016	.0164
8	.165	.1644	28	.014	.0149
9	.148	.1495	29	.013	.0135
10	.134	.1345	30	.012	.0120
11	.120	.1196	31	.010	.01094
12	.109	.1046	32	.009	.01016
13	.095	.0897	33	.008	.00938
14	.083	.0747	34	.007	.00859
15	.072	.0673	35	.005	.00781
16	.065	.0598	36	.004	.00703
17	.058	.0538	37		.00664
18	.049	.0478	38		.00625

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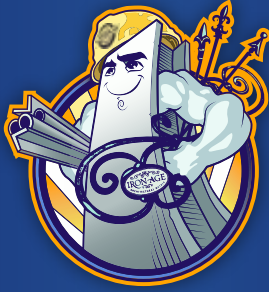
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