

Steel Reference Guide



Steel for Life

Dear Friend,

Thank you for your interest in B&C Steel. For the past 60 years you have helped us grow from very humble beginnings to becoming a major supplier of structural steel in the greater Wyo-Braska area.

We consistently stock more than a million pounds of material that we can process and ship to meet your needs.

We hope this book will be helpful as a quick reference to the basic steel shapes that we carry. Please remember that if what your looking for is not in the book you can call us, and with the vast resources available to us we can likely accommodate your needs in a timely manner. We are constantly adjusting our inventory to best suit the needs of our customers.

On behalf of our entire team at B&C Steel we thank you for your business and wish you success in every endeavor.

Sincerely,

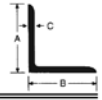
B&C Steel Corp.

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ANGLES

A-36

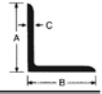


| | | Size | | | Lbs./Ft. | Lbs./20' |
|-------|---|-------|---|------|----------|----------|
| A | | B | | C | | |
| 1/2 | x | 1/2 | x | 1/8 | 0.38 | 7.60 |
| 3/4 | x | 3/4 | x | 1/8 | 0.59 | 11.80 |
| 1 | x | 1 | x | 1/8 | 0.80 | 16.00 |
| 1 | x | 1 | x | 3/16 | 1.16 | 23.20 |
| 1 | x | 1 | x | 1/4 | 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 | 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 | 3/8 | 4.70 | 94.00 |
| 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 | 3/8 | 5.90 | 118.00 |
| 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 |
| 3 1/2 | x | 3 1/2 | x | 1/4 | 5.80 | 116.00 |
| 3 1/2 | x | 3 1/2 | x | 3/8 | 8.50 | 170.00 |
| 4 | x | 4 | x | 1/4 | 6.60 | 132.00 |
| 4 | x | 4 | x | 3/8 | 9.80 | 196.00 |
| * 4 | x | 4 | x | 1/2 | 12.80 | 256.00 |
| 5 | x | 5 | x | 3/8 | 12.30 | 246.00 |
| * 5 | x | 5 | x | 1/2 | 16.20 | 324.00 |

* Not in stock. May be special ordered.

ANGLES

A-36

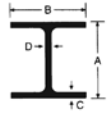


| Size | | | | | Lbs./Ft. | Lbs./20' |
|-------|---|-------|---|------|----------|----------|
| A | | B | | C | | |
| 6 | x | 6 | x | 3/8 | 14.90 | 298.00 |
| *6 | x | 6 | x | 1/2 | 19.60 | 392.00 |
| *8 | x | 8 | x | 1 | 51.00 | 1020.00 |
| *2 | x | 1 1/4 | x | 3/16 | 1.96 | 39.20 |
| 2 | x | 1 1/2 | x | 3/16 | 2.12 | 42.40 |
| 2 | x | 1 1/2 | x | 1/4 | 2.77 | 55.40 |
| 2 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 | 2 | x | 3/16 | 2.75 | 55.00 |
| 2 1/2 | x | 2 | x | 1/4 | 3.62 | 72.40 |
| 3 | x | 2 | x | 1/8 | 2.23 | 44.60 |
| 3 | x | 2 | x | 3/16 | 3.07 | 61.40 |
| 3 | x | 2 | x | 1/4 | 4.10 | 82.00 |
| 3 | x | 2 | x | 3/8 | 5.90 | 118.00 |
| 3 | x | 2 1/2 | x | 1/4 | 4.50 | 90.00 |
| 3 | x | 2 1/2 | x | 3/8 | 6.60 | 132.00 |
| 3 1/2 | x | 2 1/2 | x | 1/4 | 4.90 | 98.00 |
| 3 1/2 | x | 2 1/2 | x | 3/8 | 7.20 | 144.00 |
| 3 1/2 | x | 3 | x | 1/4 | 5.40 | 108.00 |
| 4 | x | 3 | x | 1/4 | 5.80 | 116.00 |
| 4 | x | 3 | x | 1/4 | 5.80 | 116.00 |
| 4 | x | 3 | x | 3/8 | 8.50 | 170.00 |
| 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 |
| *5 | x | 3 | x | 1/4 | 6.60 | 132.00 |
| *5 | x | 3 | x | 3/8 | 9.80 | 196.00 |
| *5 | x | 3 | x | 1/2 | 12.80 | 256.00 |
| *5 | x | 3 1/2 | x | 1/4 | 7.00 | 140.00 |
| *5 | x | 3 1/2 | x | 3/8 | 10.40 | 208.00 |
| *6 | x | 4 | x | 5/16 | 10.30 | 206.00 |
| *6 | x | 4 | x | 3/8 | 12.30 | 246.00 |
| *6 | x | 4 | x | 3/4 | 23.60 | 472.00 |
| *7 | x | 4 | x | 3/8 | 13.60 | 272.00 |
| *8 | x | 4 | x | 1/2 | 19.60 | 392.00 |

* Not in stock. May be special ordered.

Wide Flange Beams

A992

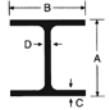


| Nominal Size in Inches | Lbs. /Ft. | Depth of Section in Inches | Flange Width in Inches | Flange Thickness in Inches | Web Thickness in Inches |
|------------------------|-----------|----------------------------|------------------------|----------------------------|-------------------------|
| | | A | B | C | D |
| * 4 x 4 | 13.0 | 4.16 | 4.060 | 0.345 | 0.280 |
| * 5 x 5 | 19.0 | 5.15 | 5.030 | 0.430 | 0.270 |
| * 6 x 4 | 12.0 | 6.03 | 4.000 | 0.280 | 0.230 |
| * 6 x 6 | 15.0 | 5.99 | 5.990 | 0.260 | 0.230 |
| * 6 x 6 | 25.0 | 6.38 | 6.080 | 0.455 | 0.320 |
| 8 x 4 | 10.0 | 7.89 | 3.940 | 0.205 | 0.170 |
| 8 x 4 | 13.0 | 7.99 | 4.000 | 0.255 | 0.230 |
| 8 x 4 | 15.0 | 8.11 | 4.015 | 0.315 | 0.245 |
| 8 x 5 1/4 | 18.0 | 8.14 | 5.250 | 0.330 | 0.230 |
| 8 x 5 1/4 | 21.0 | 8.28 | 5.270 | 0.400 | 0.250 |
| 8 x 6 1/2 | 24.0 | 7.93 | 6.495 | 0.400 | 0.245 |
| 8 x 6 1/2 | 28.0 | 8.06 | 6.535 | 0.465 | 0.285 |
| 8 x 8 | 31.0 | 8.00 | 7.995 | 0.435 | 0.285 |
| 8 x 8 | 35.0 | 8.12 | 8.020 | 0.495 | 0.310 |
| * 8 x 8 | 48.0 | 8.50 | 8.110 | 0.685 | 0.400 |
| 10 x 4 | 12.0 | 9.87 | 3.960 | 0.210 | 0.190 |
| 10 x 4 | 15.0 | 9.99 | 4.000 | 0.270 | 0.230 |
| 10 x 4 | 17.0 | 10.11 | 4.010 | 0.330 | 0.240 |
| 10 x 4 | 19.0 | 10.24 | 4.020 | 0.395 | 0.250 |
| 10 x 5 3/4 | 22.0 | 10.17 | 5.750 | 0.360 | 0.240 |
| 10 x 5 3/4 | 26.0 | 10.33 | 5.770 | 0.440 | 0.260 |
| 10 x 5 3/4 | 30.0 | 10.47 | 5.810 | 0.510 | 0.300 |
| * 10 x 8 | 33.0 | 9.73 | 7.950 | 0.435 | 0.290 |
| * 10 x 8 | 39.0 | 9.92 | 7.985 | 0.530 | 0.315 |
| * 10 x 10 | 49.0 | 9.98 | 10.000 | 0.560 | 0.340 |

* Not in stock. May be special ordered.

Wide Flange Beams

A992

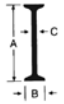


| Nominal Size in Inches | Lbs. /Ft. | Depth of Section in Inches | Flange Width in Inches | Flange Thickness in Inches | Web Thickness in Inches |
|------------------------|-----------|----------------------------|------------------------|----------------------------|-------------------------|
| | | A | B | C | D |
| 12 x 4 | 14.0 | 11.91 | 3.970 | 0.225 | 0.200 |
| 12 x 4 | 16.0 | 11.99 | 3.990 | 0.265 | 0.220 |
| 12 x 4 | 19.0 | 12.16 | 4.005 | 0.350 | 0.235 |
| 12 x 4 | 22.0 | 12.31 | 4.030 | 0.425 | 0.260 |
| 12 x 6 1/2 | 26.0 | 12.22 | 6.490 | 0.380 | 0.230 |
| 12 x 6 1/2 | 30.0 | 12.34 | 6.520 | 0.440 | 0.260 |
| * 12 x 6 1/2 | 35.0 | 12.50 | 6.560 | 0.520 | 0.300 |
| * 12 x 8 | 40.0 | 11.94 | 8.005 | 0.515 | 0.295 |
| * 12 x 8 | 45.0 | 12.06 | 8.045 | 0.575 | 0.335 |
| 14 x 5 | 22.0 | 13.74 | 5.000 | 0.335 | 0.230 |
| * 14 x 5 | 26.0 | 13.91 | 5.025 | 0.420 | 0.255 |
| * 14 x 6 3/4 | 30.0 | 13.84 | 6.730 | 0.385 | 0.270 |
| * 14 x 6 3/4 | 34.0 | 13.98 | 6.745 | 0.455 | 0.285 |
| * 14 x 10 | 61.0 | 13.89 | 9.995 | 0.645 | 0.375 |
| * 14 x 13 3/4 | 38.0 | 14.10 | 6.770 | 0.515 | 0.310 |
| * 16 x 5 1/2 | 26.0 | 15.69 | 5.500 | 0.345 | 0.250 |
| * 16 x 5 1/2 | 31.0 | 15.88 | 5.525 | 0.440 | 0.275 |
| * 16 x 7 | 36.0 | 15.86 | 6.985 | 0.430 | 0.295 |
| * 16 x 7 | 40.0 | 16.01 | 6.995 | 0.505 | 0.305 |
| * 16 x 7 | 50.0 | 16.26 | 7.070 | 0.630 | 0.380 |
| * 18 x 6 | 35.0 | 17.70 | 6.000 | 0.425 | 0.300 |
| * 18 x 6 | 40.0 | 17.90 | 6.015 | 0.525 | 0.315 |
| * 18 x 6 | 50.0 | 17.99 | 7.495 | 0.570 | 0.355 |
| * 18 x 11 | 76.0 | 18.21 | 11.035 | 0.680 | 0.425 |

*Not in stock. May be special ordered.

I-Beams - Structural

A-36 / A529



| Size | Lbs./Ft. | Flange Width | Web Thick. | Lbs. /20' | Lbs. /40' | Lbs. /50' | Lbs. /60' |
|----------|----------|--------------|------------|-----------|-----------|-----------|-----------|
| A | | B | C | | | | |
| * 3 | 7.5 | 2.509 | 0.349 | 150 | 300 | 375 | 450 |
| * 4 | 7.7 | 2.663 | 0.193 | 154 | 308 | 385 | 462 |
| * 5 | 10 | 3.004 | 0.214 | 200 | 400 | 500 | 600 |
| * 6 | 12.5 | 3.332 | 0.232 | 250 | 500 | 625 | 750 |
| * 7 | 15.3 | 3.662 | 0.252 | 306 | 612 | 765 | 918 |
| * 8 | 18.4 | 4.001 | 0.271 | 368 | 736 | 920 | 1104 |
| * 10 | 25.4 | 4.661 | 0.311 | 508 | 1016 | 1270 | 1524 |
| * 12 | 31.8 | 5.000 | 0.350 | 636 | 1272 | 1590 | 1908 |
| * 15 | 42.9 | 5.501 | 0.411 | 858 | 1716 | 2145 | 2574 |
| * 18 | 54.7 | 6.001 | 0.461 | 1094 | 2188 | 2735 | 3282 |

* Not in stock. May be special ordered.

Round Bars

Stock Lengths - 20' for A-36, C1018 & C1045 / 12' for C1144

| Size | Lbs./Ft. | A-36HR | C1018 | C1045 | C1144SR |
|-----------|----------|--------|-------|-------|---------|
| 1/8 | 0.042 | | x | | |
| 3/16 | 0.094 | | x | | |
| 1/4 | 0.167 | x | x | | |
| 5/16 | 0.261 | x | x | | |
| 3/8 | 0.376 | x | x | | x |
| 7/16 | 0.511 | x | x | | x |
| 1/2 | 0.668 | x | x | | x |
| 9/16 | 0.845 | x | x | | x |
| 5/8 | 1.043 | x | x | x | x |
| 11/16 | 1.262 | | x | | |
| 3/4 | 1.502 | x | x | x | x |
| 13/16 | 1.763 | | x | | |
| 7/8 | 2.045 | x | x | x | x |
| 15/16 | 2.347 | | x | | x |
| 1 | 2.670 | x | x | x | x |
| * 1 1/16 | 3.020 | | x | | |
| 1 1/8 | 3.380 | x | x | *x | *x |
| * 1 3/16 | 3.766 | | x | x | x |
| 1 1/4 | 4.172 | x | x | x | x |
| 1 5/16 | 4.600 | | x | | |
| 1 3/8 | 5.050 | | x | x | x |
| 1 7/16 | 5.518 | | x | x | x |
| 1 1/2 | 6.010 | x | x | x | x |
| 1 9/16 | 6.520 | | | | |
| 1 5/8 | 7.050 | | x | x | x |
| 1 11/16 | 7.600 | | | | x |
| 1 3/4 | 8.180 | | x | x | x |
| 1 13/16 | 8.770 | | | | |
| 1 7/8 | 9.390 | | x | x | x |
| 1 15/16 | 10.020 | | x | x | x |
| 2 | 10.680 | x | x | x | x |
| * 2 1/16 | 11.360 | | | x | |
| * 2 1/8 | 12.060 | | | x | x |
| 2 3/16 | 12.780 | | | x | |
| * 2 1/4 | 13.520 | | | x | x |
| * 2 3/8 | 15.060 | | | x | x |
| * 2 7/16 | 15.870 | | | x | x |
| 2 1/2 | 16.690 | | x | x | *x |
| * 2 5/8 | 18.400 | | | | |
| * 2 3/4 | 20.190 | | | x | |
| * 2 7/8 | 22.070 | | | | x |
| * 2 15/16 | 23.040 | | | x | x |
| * 3 | 24.030 | | x | x | x |
| * 3 7/16 | 31.550 | | | x | x |
| * 3 1/2 | 32.710 | | | x | x |
| * 4 | 42.730 | | x | x | x |

*Not in stock. May be special ordered.

Square Bars

Stock Lengths - 12' for C1018 / 20' for A36HR & HR1045

| Size | Lbs./Ft. | A-36HR | C1018 | HR1045 |
|-------------|----------|--------|-------|--------|
| 1/8 | 0.053 | | x | |
| 3/16 | 0.120 | | x | |
| 1/4 | 0.213 | | x | |
| 5/16 | 0.332 | | x | |
| 3/8 | 0.478 | x | x | |
| 1/2 | 0.850 | x | x | |
| 1/2 Twisted | 0.850 | x | | |
| 5/8 | 1.330 | x | x | |
| 3/4 | 1.910 | x | x | x |
| 7/8 | 2.600 | x | x | x |
| 1 | 3.400 | x | x | x |
| 1 1/8 | 4.300 | | x | x |
| 1 1/4 | 5.310 | | x | x |
| 1 1/2 | 6.008 | x | x | |
| * 1 3/4 | 8.180 | | x | |
| * 2 | 10.668 | x | x | |
| * 2 1/2 | 16.690 | | x | |

Hex Bars

Stock Lengths - 12'

| Size | Lbs./Ft. | C-1018 |
|---------|----------|--------|
| 1/2 | 0.736 | x |
| 9/16 | 0.932 | x |
| 5/8 | 1.150 | x |
| 3/4 | 1.656 | x |
| 7/8 | 2.290 | x |
| 1 | 3.017 | x |
| 1 1/8 | 3.727 | x |
| * 1 1/4 | 4.601 | x |
| 1 1/2 | 6.625 | x |
| * 1 3/4 | 9.018 | x |
| * 2 | 11.780 | x |
| * 2 1/4 | 14.910 | x |

Structural Channel A-36



| Size | Lbs./Ft. | Flange Width | Web Thickness | Lbs./20' | Lbs./40' |
|------|----------|--------------|---------------|----------|----------|
| A | | B | C | | |
| 3 | 4.100 | 1.410 | 0.170 | 82 | 164 |
| 3 | 5.000 | 1.498 | 0.258 | 100 | 200 |
| 4 | 2.090 | 2.500 | 0.060 | 41.8 | 83.6 |
| 4 | 5.400 | 1.584 | 0.184 | 108 | 216 |
| 4 | 7.250 | 1.721 | 0.321 | 145 | 290 |
| 5 | 6.700 | 1.750 | 0.190 | 134 | 268 |
| 5 | 9.000 | 1.885 | 0.325 | 180 | 360 |
| 6 | 8.200 | 1.920 | 0.200 | 164 | 328 |
| 6 | 10.500 | 2.034 | 0.314 | 210 | 420 |
| 7 | 9.800 | 2.090 | 0.210 | 196 | 392 |
| 8 | 11.500 | 2.260 | 0.220 | 230 | 460 |
| * 8 | 13.750 | 2.343 | 0.303 | 275 | 550 |
| 8 | 18.750 | 2.527 | 0.487 | 375 | 750 |
| * 9 | 13.400 | 2.433 | 0.233 | 268 | 536 |
| | | | | 0 | 0 |
| *10 | 15.300 | 2.600 | 0.240 | 306 | 612 |
| *10 | 20.000 | 2.739 | 0.379 | 400 | 800 |
| *12 | 20.700 | 2.942 | 0.282 | 414 | 828 |
| *12 | 25.000 | 3.047 | 0.387 | 500 | 1000 |
| *12 | 30.000 | 3.170 | 0.510 | 600 | 1200 |
| *15 | 33.900 | 3.400 | 0.400 | 678 | 1356 |

*Not in stock. May be special ordered.

Channel - Bar Size A-36



| Size | | | | | Lbs./Ft. | Lbs./20' |
|-------|---|------|---|------|----------|----------|
| A | | B | | C | | |
| 1 | x | 1/2 | x | 1/8 | 0.840 | 16.8 |
| 1 1/4 | x | 1/2 | x | 1/8 | 1.010 | 20.2 |
| 1 1/2 | x | 1/2 | x | 1/8 | 1.120 | 22.4 |
| 2 | x | 9/16 | x | 3/16 | 1.860 | 37.2 |
| 2 | x | 1 | x | 1/8 | 1.590 | 31.8 |
| 2 | x | 1 | x | 3/16 | 2.320 | 46.4 |

Junior Channels Stair Stringer Channels - A-36



| Size | Lbs./Ft. | Flange Width | Web Thickness | Lbs./20' |
|------|----------|--------------|---------------|----------|
| A | | B | C | |
| * 10 | 6.5 | 1.125 | 0.150 | 130 |
| * 10 | 8.4 | 1.5 | 0.170 | 168 |
| * 12 | 10.6 | 1.5 | 0.190 | 212 |

Flat Bars A-36 & C1045

| Size | | | Lbs./Ft. | Lbs./ 20' | A-36 | C1045 |
|------|---|-------|----------|-----------|------|-------|
| 1/8 | x | 1/2 | 0.213 | 4.26 | x | |
| 1/8 | x | 3/4 | 0.319 | 6.38 | x | |
| 1/8 | x | 1 | 0.425 | 8.5 | x | |
| 1/8 | x | 1 1/4 | 0.531 | 10.62 | x | |
| 1/8 | x | 1 1/2 | 0.638 | 12.76 | x | |
| 1/8 | x | 1 3/4 | 0.744 | 14.88 | x | |
| 1/8 | x | 2 | 0.850 | 17 | x | |
| 1/8 | x | 2 1/2 | 1.063 | 21.26 | x | |
| 1/8 | x | 3 | 1.275 | 25.5 | x | |
| 1/8 | x | 4 | 1.700 | 34 | x | |
| 1/8 | x | 5 | 2.125 | 42.5 | x | |
| 1/8 | x | 6 | 2.550 | 51 | x | |
| 3/16 | x | 1/2 | 0.319 | 6.38 | x | |

Flat Bars

A-36 & C1045

| Size | | | Lbs./Ft. | Lbs. / 20' | A-36 | C1045 |
|--------|---|-------|----------|------------|------|-------|
| 3/16 | x | 3/4 | 0.479 | 9.58 | x | |
| 3/16 | x | 1 | 0.638 | 12.76 | x | |
| 3/16 | x | 1 1/4 | 0.797 | 15.94 | x | |
| 3/16 | x | 1 1/2 | 0.956 | 19.12 | x | |
| 3/16 | x | 1 3/4 | 1.116 | 22.32 | x | |
| 3/16 | x | 2 | 1.276 | 25.52 | x | |
| 3/16 | x | 2 1/2 | 1.594 | 31.88 | x | |
| 3/16 | x | 3 | 1.913 | 38.26 | x | |
| 3/16 | x | 3 1/2 | 2.231 | 44.62 | x | |
| 3/16 | x | 4 | 2.550 | 51 | x | |
| 3/16 | x | 5 | 3.188 | 63.76 | x | |
| 3/16 | x | 6 | 3.825 | 76.5 | x | |
| 1/4 | x | 1/2 | 0.425 | 8.5 | x | |
| 1/4 | x | 3/4 | 0.638 | 12.76 | x | |
| 1/4 | x | 1 | 0.850 | 17 | x | |
| 1/4 | x | 1 1/4 | 1.063 | 21.26 | x | |
| 1/4 | x | 1 1/2 | 1.275 | 25.5 | x | |
| 1/4 | x | 1 3/4 | 1.488 | 29.76 | x | |
| 1/4 | x | 2 | 1.700 | 34 | x | |
| 1/4 | x | 2 1/2 | 2.125 | 42.5 | x | |
| 1/4 | x | 3 | 2.550 | 51 | x | |
| 1/4 | x | 3 1/2 | 2.975 | 59.5 | x | |
| 1/4 | x | 4 | 3.400 | 68 | x | |
| 1/4 | x | 4 1/2 | 3.825 | 76.5 | x | |
| 1/4 | x | 5 | 4.250 | 85 | x | |
| 1/4 | x | 6 | 5.100 | 102 | x | |
| 1/4 | x | 8 | 6.800 | 136 | x | |
| * 5/16 | x | 1 1/2 | 1.594 | 31.88 | x | |
| * 5/16 | x | 2 | 2.125 | 42.5 | x | |
| 3/8 | x | 1 | 1.275 | 25.5 | x | |
| 3/8 | x | 1 1/4 | 1.594 | 31.88 | x | |
| 3/8 | x | 1 1/2 | 1.913 | 38.26 | x | |
| 3/8 | x | 1 3/4 | 2.231 | 44.62 | x | |
| 3/8 | x | 2 | 2.550 | 51 | x | |
| 3/8 | x | 2 1/2 | 3.188 | 63.76 | x | |
| 3/8 | x | 3 | 3.825 | 76.5 | x | |
| 3/8 | x | 3 1/2 | 4.463 | 89.26 | x | |
| 3/8 | x | 4 | 5.100 | 102 | x | |
| 3/8 | x | 5 | 6.375 | 127.5 | x | |

*Not in stock. May be special ordered.

Flat Bars

A-36 & C1045

| Size | | | Lbs./Ft. | Lbs./ 20' | A-36 |
|------|---|-------|----------|-----------|------|
| 3/8 | x | 5 1/2 | 7.013 | 140.26 | x |
| 3/8 | x | 6 | 7.650 | 153 | x |
| 3/8 | x | 8 | 10.200 | 204 | x |
| 3/8 | x | 10 | 12.750 | 255 | x |
| 1/2 | x | 1 | 1.700 | 34 | x |
| 1/2 | x | 1 1/4 | 2.125 | 42.5 | x |
| 1/2 | x | 1 1/2 | 2.550 | 51 | x |
| 1/2 | x | 2 | 3.400 | 68 | x |
| 1/2 | x | 2 1/2 | 4.254 | 85.08 | x |
| 1/2 | x | 3 | 5.100 | 102 | x |
| 1/2 | x | 3 1/2 | 5.950 | 119 | x |
| 1/2 | x | 4 | 6.800 | 136 | x |
| 1/2 | x | 4 1/2 | 7.650 | 153 | x |
| 1/2 | x | 5 | 8.500 | 170 | x |
| 1/2 | x | 6 | 10.200 | 204 | x |
| 1/2 | x | 8 | 13.600 | 272 | x |
| 1/2 | x | 10 | 17.000 | 340 | x |
| 1/2 | x | 12 | 20.400 | 408 | x |
| 5/8 | x | 1 1/4 | 2.656 | 53.12 | x |
| 5/8 | x | 1 1/2 | 3.188 | 63.76 | x |
| 5/8 | x | 2 | 4.250 | 85 | x |
| 5/8 | x | 2 1/2 | 5.313 | 106.26 | x |
| 5/8 | x | 3 | 6.375 | 127.5 | x |
| 5/8 | x | 3 1/2 | 7.438 | 148.76 | x |
| 5/8 | x | 4 | 8.500 | 170 | x |
| 5/8 | x | 5 | 10.630 | 212.6 | x |
| 5/8 | x | 6 | 12.750 | 255 | x |
| 5/8 | x | 8 | 17.000 | 340 | x |
| 5/8 | x | 10 | 21.250 | 425 | x |
| 5/8 | x | 12 | 25.500 | 510 | x |
| 3/4 | x | 1 | 2.550 | 51 | x |
| 3/4 | x | 1 1/4 | 3.188 | 63.76 | x |
| 3/4 | x | 1 1/2 | 3.825 | 76.5 | x |
| 3/4 | x | 2 | 5.100 | 102 | x |
| 3/4 | x | 2 1/2 | 6.375 | 127.5 | x |
| 3/4 | x | 3 | 7.650 | 153 | x |
| 3/4 | x | 4 | 10.200 | 204 | x |
| 3/4 | x | 5 | 12.750 | 255 | x |
| 3/4 | x | 6 | 15.300 | 306 | x |
| 3/4 | x | 8 | 20.400 | 408 | x |

Flat Bars

A-36 & C1045

| Size | | | Lbs./Ft. | Lbs./ 20' | A-36 |
|---------|---|-------|----------|-----------|------|
| 3/4 | x | 10 | 25.500 | 510 | x |
| 3/4 | x | 12 | 30.600 | 612 | x |
| 1 | x | 2 | 6.800 | 136 | x |
| 1 | x | 2 1/2 | 8.500 | 170 | x |
| 1 | x | 3 | 10.200 | 204 | x |
| 1 | x | 4 | 13.600 | 272 | x |
| 1 | x | 5 | 17.000 | 340 | x |
| 1 | x | 6 | 20.400 | 408 | x |
| 1 | x | 8 | 27.200 | 544 | x |
| 1 | x | 10 | 34.000 | 680 | x |
| 1 | x | 12 | 40.800 | 816 | x |
| * 1 1/2 | x | 2 | 10.200 | 204 | x |
| * 1 1/2 | x | 3 | 15.300 | 306 | x |
| * 1 1/2 | x | 6 | 30.600 | 612 | x |
| * 2 | x | 4 | 27.200 | 544 | x |
| * 2 | x | 6 | 40.800 | 816 | x |

Single Bevel Flats

| Size | | | Lbs./Ft. | Length |
|--------|---|---|----------|--------|
| * 9/32 | x | 4 | 3.390 | 24' |
| 3/8 | x | 3 | 3.340 | 20'-6" |
| 1/2 | x | 4 | 6.070 | 20'-6" |
| 1/2 | x | 6 | 9.500 | 20'-6" |
| * 3/4 | x | 6 | 13.590 | 20'-6" |

* Not in stock. May be special ordered.

Safety Floor Plate

| Width and Length | Estimated Lbs./Sheet |
|-------------------------|-----------------------------|
| 14 Ga. | 3.75# / Sq. Ft. |
| 48" x 96" | 120 |
| 48" x 120" | 150 |
| 1/8" | 6.16# / Sq. Ft. |
| 48" x 96" | 197 |
| 48" x 120" | 246 |
| 3/16" | 8.71# / Sq. Ft. |
| 48" x 96" | 279 |
| 48" x 120" | 348 |
| 1/4" | 11.26# / Sq. Ft. |
| 48" x 96" | 360 |
| 48" x 120" | 450 |

Standard and Flattened Expanded Metal

| Style Designation | Lbs./ Sq. Ft. | Approximate Size of Mesh Center to Center of Bridges | Sheet Size | Lbs./Sht. |
|-------------------|---------------|--|------------|-----------|
| 1/4" - 18 | 1.14 | .250 x 1.024 | 48" x 96" | 36.48 |
| 1/2" - 13 | 1.47 | .500 x 1.2 | 48" x 96" | 47.04 |
| 3/4" - 10 | 0.8 | .923 x 2.0 | 48" x 96" | 25.6 |
| 3/4" - 9 | 1.8 | .923 x 2.0 | 48" x 96" | 57.6 |
| 1 1/2" - 9 | 1.2 | 1.33 x 3.00 | 48" x 96" | 38.4 |

Grating

| Style Designation | Lbs./ Sq. Ft. | Approximate Size of Mesh Center to Center of Bridges | Sheet Size | Lbs./Sht |
|-------------------|---------------|--|------------|----------|
| 3.0 lb. Grating | 3 | 1.333 x 5.33 | 48" x 96" | 96 |
| 4.0 lb. Grating | 4 | 1.333 x 5.33 | 48" x 96" | 128 |
| * 4.0 lb. Grating | 4 | 1.333 x 5.33 | 48" x 120" | 160 |
| * 4.0 lb. Grating | 4 | 1.333 x 5.33 | 72" x 120" | 240 |

Round Tubing

| Size (OD) | Gauge | Lbs./ Ft. |
|----------------|-----------|-----------|
| 3" (Pipe Size) | .216 Wall | 7.58 |
| * 4" | 14 Ga. | 3.20 |
| | 12 Ga. | 4.53 |
| | 11 Ga. | 4.90 |
| 4" (Pipe Size) | 0.237 | 10.79 |
| | 12 Ga | 4.50 |
| * 5" | 14 Ga. | 4.00 |
| 6" | 12 Ga. | 6.80 |
| | 10 Ga. | 8.60 |
| | 3/16 | 11.60 |
| 6" (Pipe Size) | 0.280 | 18.97 |
| 8" | 12 Ga. | 9.00 |
| | 10 Ga. | 11.60 |
| | 3/16 | 15.60 |
| 10" | 10 Ga. | 14.50 |
| | 3/16 | 19.70 |
| 12" | 10 Ga. | 17.50 |
| | 3/16 | 23.70 |
| * 14" | 10 Ga. | 20.40 |
| | 3/16 | 27.70 |
| * 16" | 10 Ga. | 23.40 |
| | 1/4 | 42.10 |

*Not in stock. May be special ordered.

Round Mechanical Tubing

| Size (OD) | Gauge | Lbs./ Ft. |
|----------------------|------------------|-----------|
| 3/4" | 15 Ga. (.072") | 0.521 |
| 1" | 14 Ga. (.083) | 0.813 |
| | 11 Ga. (.120") | 1.128 |
| | * 0.156 | 1.406 |
| | * 0.250 | 2.003 |
| 1.050" (3/4" P.S.) | 0.113 | 1.130 |
| 1 1/8" | 0.219 | 2.119 |
| 1 1/4" | 14 Ga. (.083) | 1.034 |
| | 0.219 | 2.441 |
| | 0.250 | 2.670 |
| | 0.281 | 2.908 |
| 1.315" (1" P.S) | 0.133 | 1.680 |
| 1 3/8" | * 14 Ga. (.083) | 1.145 |
| | 11 Ga. (.120") | 1.608 |
| | * 0.250 | 3.004 |
| | * 0.375 | 4.005 |
| 1 1/2 | 16 Ga. (.072") | 0.996 |
| | 14 Ga. (.083) | 1.426 |
| | 11 Ga. (.120") | 1.769 |
| | * 0.219 | 2.996 |
| | * 0.250 | 3.338 |
| * 0.375 | 4.506 | |
| 1.660" (1 1/4" P.S.) | 0.140 | 2.270 |
| 1 3/4 | * 12 Ga. (.109") | 1.700 |
| | 11 Ga. (.120") | 2.089 |

*Not in stock. May be special ordered.

Round Mechanical Tubing

| Size (OD) | Gauge | Lbs./ Ft. |
|----------------------|---------------|-----------|
| 1.900" (1 1/2" P.S.) | * 0.250 | 4.005 |
| | * 0.313 | 4.804 |
| | * 0.375 | 5.507 |
| | * 0.500 | 6.675 |
| | 0.145 | 2.720 |
| 2" | 14 Ga. (.083) | 1.699 |
| | 0.120 | 2.409 |
| | * 0.250 | 4.673 |
| | * 0.375 | 4.673 |
| | * 0.438 | 6.508 |
| * 2 1/4" | * 0.120 | 2.725 |
| 2.375" (2" P.S.) | 0.154 | 3.650 |
| 2 1/2" | 0.120 | 3.050 |
| | * 0.250 | 6.008 |
| 2.875" (2 1/2" P.S) | 0.203 | 5.790 |
| 3" | 0.120 | 3.691 |
| | * 0.500 | 13.350 |
| * 4" | * 0.500 | 18.690 |
| | * 1.000 | 32.040 |
| * 5" | * 0.120 | 9.662 |
| | * 0.250 | 12.680 |
| | * 0.375 | 18.520 |

Black Plain End Pipe

Schedule 40 - Standard Wgt.

| Size Inches | Outside Diameter | Inside Diameter | Wall Thickness | Lbs. Per Ft. |
|-------------|------------------|-----------------|----------------|--------------|
| 1/8 | 0.405 | 0.269 | 0.068 | 0.24 |
| 1/4 | 0.504 | 0.364 | 0.088 | 0.42 |
| 3/8 | 0.675 | 0.493 | 0.091 | 0.57 |
| 1/2 | 0.840 | 0.622 | 0.109 | 0.85 |
| 3/4 | 1.050 | 0.824 | 0.113 | 1.13 |
| 1 | 1.315 | 1.049 | 0.133 | 1.68 |
| 1 1/4 | 1.660 | 1.380 | 0.14 | 2.27 |
| 1 1/2 | 1.900 | 1.610 | 0.145 | 2.72 |
| 2 | 2.375 | 2.067 | 0.154 | 3.65 |
| 2 1/2 | 2.875 | 2.469 | 0.203 | 5.79 |
| 3 | 3.500 | 3.068 | 0.216 | 7.58 |
| 3 1/2 | 4.000 | 3.548 | 0.226 | 9.11 |
| 4 | 4.500 | 4.026 | 0.237 | 10.79 |
| 5 | 5.563 | 5.047 | 0.258 | 14.62 |
| 6 | 6.625 | 6.065 | 0.28 | 18.97 |
| * 8 | 8.625 | 7.981 | 0.322 | 28.55 |
| * 10 | 10.750 | 10.020 | 0.365 | 40.48 |
| * 12 | 12.750 | 11.838 | 0.406 | 53.56 |

Extra Heavy Black Pipe P.E.

Schedule 80

| Size Inches | Outside Diameter | Inside Diameter | Wall Thickness | Lbs. Per Ft. |
|-------------|------------------|-----------------|----------------|--------------|
| 3/8 | 0.675 | 0.423 | 0.126 | 0.73 |
| 1/2 | 0.840 | 0.546 | 0.147 | 1.09 |
| 3/4 | 1.050 | 0.742 | 0.154 | 1.47 |
| 1 | 1.315 | 0.957 | 0.179 | 2.17 |
| 1 1/4 | 1.660 | 1.278 | 0.191 | 3.00 |
| 1 1/2 | 1.900 | 1.500 | 0.200 | 3.63 |
| 2 | 2.375 | 1.939 | 0.218 | 5.02 |
| 2 1/2 | 2.875 | 2.323 | 0.276 | 7.66 |
| 3 | 3.500 | 2.900 | 0.300 | 10.25 |
| 3 1/2 | 4.000 | 3.364 | 0.318 | 12.51 |
| 4 | 4.500 | 3.826 | 0.337 | 14.98 |
| 5 | 5.563 | 4.813 | 0.375 | 20.78 |
| 6 | 6.625 | 5.761 | 0.432 | 28.57 |
| * 8 | 8.625 | 7.625 | 0.500 | 43.39 |

*Not in stock. May be special ordered.

Schedule 160 Pipe

| Size Inches | Outside Diameter | Inside Diameter | Wall Thickness | Lbs. Per Ft. |
|----------------|---------------------|--------------------|-------------------|-----------------|
| * 1 1/2 | 1.660 | 1.160 | 0.250 | 4.86 |
| * 2 | 2.375 | 1.687 | 0.344 | 7.46 |
| * 2 1/2 | 2.875 | 2.125 | 0.375 | 10.01 |
| * 3 | 3.500 | 2.624 | 0.438 | 14.32 |
| * 4 | 4.500 | 3.438 | 0.531 | 22.51 |

Double Extra Heavy Pipe

| Size Inches | Outside Diameter | Inside Diameter | Wall Thickness | Lbs. Per Ft. |
|----------------|---------------------|--------------------|-------------------|-----------------|
| * 1 | 1.315 | 0.599 | 0.358 | 3.660 |
| * 1 1/4 | 1.660 | 0.896 | 0.382 | 5.210 |
| * 1 1/2 | 1.900 | 1.100 | 0.400 | 6.410 |
| * 2 | 2.375 | 1.503 | 0.436 | 9.030 |
| * 2 1/2 | 2.875 | 1.771 | 0.552 | 13.690 |
| * 3 | 3.500 | 2.300 | 0.600 | 18.580 |
| * 3 1/2 | 4.000 | 2.728 | 0.636 | 22.850 |
| * 4 | 4.500 | 3.152 | 0.674 | 27.540 |

Plate

A-36 / A572

| Width and Length | Estimated Wt. per Sheet | Width and Length | Estimated Wt. per Sheet |
|------------------|-------------------------|-------------------------|-------------------------|
| 3/16" | | 7.66# / Sq. Ft. | |
| 48" x 96" | 184 | | |
| 48" x 120" | 306 | | |
| 60" x 96" | 306 | | |
| 60" x 120" | 383 | | |
| 72" x 96" | 368 | | |
| 72" x 120" | 460 | | |
| 96" x 120" | 613 | | |
| 1/4" | | 10.21# / Sq. Ft. | |
| 48" x 96" | 327 | | |
| 48" x 120" | 408 | | |
| 60" x 96" | 408 | | |
| 60" x 120" | 511 | | |
| 72" x 96" | 490 | | |
| 72" x 120" | 613 | | |
| 5/16" | | 12.76# / Sq. Ft. | |
| 48" x 96" | 408 | | |
| 48" x 120" | 510 | | |
| 60" x 96" | 510 | | |
| 60" x 120" | 638 | | |
| 72" x 120" | 766 | | |
| | | 25.53# / Sq. Ft. | |
| | | 5/8" | |
| 48" x 96" | 817 | | |
| * 48" x 120" | 1021 | | |
| * 60" x 120" | 1277 | | |
| * 72" x 120" | 1532 | | |
| | | 30.63# / Sq. Ft. | |
| | | 3/4" | |
| 48" x 96" | 980 | | |
| 48" x 120" | 1225 | | |
| * 60" x 120" | 1532 | | |
| * 72" x 120" | 1838 | | |
| | | 40.84# / Sq. Ft. | |
| | | 1" | |
| 48" x 96" | 1307 | | |
| * 60" x 120" | 2042 | | |
| | | 51.05# / Sq. Ft. | |
| | | 1 1/4" | |
| * 48" x 120" | 2042 | | |
| | | 61.26# / Sq. Ft. | |
| | | 1 1/2" | |
| * 48" x 120" | 2450 | | |

* Not in stock. May be special ordered.

Plate

A-36 / A572

| Width and Length | | Estimated Wt. per Sheet | Width and Length | Estimated Wt. per Sheet |
|------------------|--------|-------------------------|------------------|-------------------------|
| 3/8" | | 15.32# / Sq. Ft. | 2" | |
| 48" | x 96" | 490 | * 48" | x 120" 3267 |
| 48" | x 120" | 613 | | |
| 60" | x 96" | 613 | | |
| 60" | x 120" | 766 | | |
| 72" | x 120" | 919 | | |
| 1/2" | | 20.42# / Sq. Ft. | | |
| 48" | x 96" | 653 | | |
| 48" | x 120" | 817 | | |
| * 60" | x 120" | 1021 | | |
| * 72" | x 120" | 1225 | | |

*Not in stock. May be special ordered.

Reinforcing (Rebar)

Stocked in 20' lengths - Grade 60

| Size | Bar No. | Lbs./Ft. | Lbs./20' |
|---------|---------|----------|----------|
| 3/8 | 3 | 0.376 | 7.52 |
| 1/2 | 4 | 0.668 | 13.36 |
| 5/8 | 5 | 1.043 | 20.86 |
| 3/4 | 6 | 1.502 | 30.04 |
| 7/8 | 7 | 2.044 | 40.88 |
| * 1 | 8 | 2.670 | 53.40 |
| * 1 1/8 | 9 | 3.400 | 68.00 |
| * 1 1/4 | 10 | 4.303 | 86.06 |
| * 1 3/8 | 11 | 5.313 | 106.26 |

Cold Rolled Sheets

Commercial Quality

| Width and Length | | | Estimated Wt. per Sheet |
|------------------------|---|------|-------------------------|
| 18 Ga. (.0478") | | | 2.000# / Sq. Ft. |
| * 48" | x | 96" | 64 |
| 48" | x | 120" | 80 |
| 20 Ga. (.0359") | | | 1.500# / Sq. Ft. |
| * 48" | x | 96" | 48 |
| 48" | x | 120" | 60 |
| 22 Ga. (.0299") | | | 1.250# / Sq. Ft. |
| * 48" | x | 96" | 40 |
| 48" | x | 120" | 50 |
| * 60" | x | 120" | 62.5 |
| * 72" | x | 120" | 75 |

Hot Rolled Sheets

Commercial
Quality

| Width and Length | | | Estimated Wt. per Sheet |
|------------------------|---|------|-------------------------|
| 14 Ga. (.0747") | | | 3.125# / Sq. Ft. |
| 48" | x | 96" | 100 |
| 48" | x | 120" | 125 |
| 60" | x | 96" | 125 |
| 60" | x | 120" | 156.3 |
| * 72" | x | 120" | 187.5 |
| 16 Ga. (.0598") | | | 2.500# / Ft. |
| 48" | x | 96" | 80 |
| 48" | x | 120" | 100 |
| * 60" | x | 96" | 100 |
| * 60" | x | 120" | 125 |

Galvanized Sheets

| Width and Length | Estimated Wt. per Sheet |
|--|-----------------------------------|
| * 10 Ga. (.1345") 48" x 120" | 5.781# / Sq. Ft. 231.24 |
| * 12 Ga. (.1046") 48" x 120" | 4.531# / Sq. Ft. 181.24 |
| * 14 Ga. (.0747") 48" x 120" | 3.281# / Sq. Ft. 125 |
| 16 Ga. (.0598") 48" x 120" | 2.656# / Ft. 106.24 |
| 18 Ga. (.0478") 48" x 120" | 2.156# / Sq. Ft. 86.24 |
| 20 Ga. (.0359") 48" x 120" | 1.656# / Sq. Ft. 60 |
| 22 Ga. (.0299") 48" x 120" | 1.406# / Sq. Ft. 56.24 |
| 24 Ga. (.0239") 48" x 120" | 1.156# / Sq. Ft. 46.24 |
| 26 Ga. (.0179") 48" x 120" | .906# / Sq. Ft. 36.24 |

Square Tube

ASTM Grades A-513 (under 2") & ASTM A-500 Gr. B (2" & Over)

| Size and Gauge | | Wall Decimal | Wt. Lbs./Ft. | Wt. Lbs./20' | Wt. Lbs./24' | Wt. Lbs./40' |
|----------------|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 1/2 x 1/2 | 16 Ga. | .065 | 0.384 | 7.68 | 9.22 | 15.36 |
| | | | | 0.00 | 0.00 | 0.00 |
| 3/4 x 3/4 | 16 Ga. | .065 | 0.606 | 12.12 | 14.54 | 24.24 |
| | 11 Ga. | .120 | 1.028 | 20.56 | 24.67 | 41.12 |
| 1 x 1 | 14 Ga. | .083 | 1.035 | 20.70 | 24.84 | 41.40 |
| | 11 Ga. | .120 | 1.436 | 28.72 | 34.46 | 57.44 |
| 1 1/4 x 1 1/4 | 14 Ga. | .083 | 1.317 | 26.34 | 31.61 | 52.68 |
| | 11 Ga. | .120 | 1.844 | 36.88 | 44.26 | 73.76 |
| | 3/16" | .188 | 2.913 | 58.26 | 69.91 | 116.52 |
| 1 1/2 x 1 1/2 | 14 Ga. | .083 | 1.599 | 31.98 | 38.38 | 63.96 |
| | 12 Ga. | .109 | 2.062 | 41.24 | 49.49 | 82.48 |
| | 11 Ga. | .120 | 2.252 | 45.04 | 54.05 | 90.08 |
| | 3/16" | | 3.046 | 60.92 | 73.10 | 121.84 |
| 1 3/4 x 1 3/4 | 14 Ga. | .083 | 1.882 | 37.64 | 45.17 | 75.28 |
| | 11 Ga. | .120 | 2.660 | 53.20 | 63.84 | 106.40 |
| 2 x 2 | 14 Ga. | .083 | 2.164 | 43.28 | 51.94 | 86.56 |
| | 11 Ga. | .120 | 3.050 | 61.00 | 73.20 | 122.00 |
| | 3/16" | .188 | 4.320 | 86.40 | 103.68 | 172.80 |
| | 1/4" | .250 | 5.410 | 108.20 | 129.84 | 216.40 |
| 2 1/2 x 2 1/2 | 11 Ga. | .120 | 3.900 | 78.00 | 93.60 | 156.00 |
| | 3/16" | .188 | 5.590 | 111.80 | 134.16 | 223.60 |
| | 1/4" | .250 | 7.110 | 142.20 | 170.64 | 284.40 |
| | .238" | .238 | 7.322 | 146.44 | 175.73 | 292.88 |

Seamless Tube - Only Seamless Tubes in Stock

Continued

Square Tube

ASTM Grades A-513 (under 2") & ASTM A-500 Gr. B (2" & Over)

| Size and Gauge | | Wall Decimal | Wt. Lbs./Ft. | Wt. Lbs./20' | Wt. Lbs./24' | Wt. Lbs./40' |
|----------------|---------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 3 x 3 | 11 Ga. | .120 | 4.750 | 95.00 | 114.00 | 190.00 |
| | 3/16" | .188 | 6.870 | 137.40 | 164.88 | 274.80 |
| | 1/4" | .250 | 8.810 | 176.20 | 211.44 | 352.40 |
| 3 1/2 x 3 1/2 | 3/16" | .188 | 8.150 | 163.00 | 195.60 | 326.00 |
| | 1/4" | .250 | 10.510 | 210.20 | 252.24 | 420.40 |
| 4 x 4 | 11 Ga. | .120 | 6.460 | 129.20 | 155.04 | 258.40 |
| | 3/16" | .188 | 9.420 | 188.40 | 226.08 | 376.80 |
| | 1/4" | .250 | 12.210 | 244.20 | 293.04 | 488.40 |
| | 3/8" | .375 | 17.270 | 345.40 | 414.48 | 690.80 |
| 5 x 5 | * 3/16" | .188 | 11.970 | 239.40 | 287.28 | 478.80 |
| | * 1/4" | .250 | 15.260 | 305.20 | 366.24 | 610.40 |
| | 3/8" | .375 | 22.370 | 447.40 | 536.88 | 894.80 |
| | * 1/2" | .500 | 28.430 | 568.60 | 682.32 | 1137.20 |
| 6 x 6 | * 3/16" | .188 | 14.530 | 290.60 | 348.72 | 581.20 |
| | 1/4" | .250 | 19.020 | 380.40 | 456.48 | 760.80 |
| | * 3/8" | .375 | 27.480 | 549.60 | 659.52 | 1099.20 |
| * 8 x 8 | 1/4" | .250 | 25.820 | 516.40 | 619.68 | 1032.80 |
| | 3/8" | .375 | 37.690 | 753.80 | 904.56 | 1507.60 |
| * 12 x 12 | 1/4" | .250 | 39.430 | 788.60 | 946.32 | 1577.20 |

* Not in stock. May be special ordered.

Rectangle Tube

ASTM Grades A-513 (under 2") & ASTM A-500 Gr. B (2" & Over)

| Size and Gauge | | Wall Decimal | Wt. Lbs./Ft. | Wt. Lbs./20' | Wt. Lbs./24' | Wt. Lbs./40' |
|----------------|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 1 1/2 x 1 | 14 Ga. | .083 | 1.317 | 26.34 | 31.608 | 52.68 |
| 2 x 1 | 14 Ga. | .083 | 1.599 | 31.98 | 38.376 | 63.96 |
| 2 x 1 1/2 | 14 Ga. | .083 | 1.882 | 37.64 | 45.168 | 75.28 |
| | 11 Ga. | .120 | 2.660 | 53.2 | 63.84 | 106.4 |
| 2 1/2 x 1 1/2 | 14 Ga. | .083 | 2.160 | 43.2 | 51.84 | 86.4 |
| | 11 Ga. | .120 | 3.070 | 61.4 | 73.68 | 122.8 |
| | 3/16" | .188 | 4.320 | 86.4 | 103.68 | 172.8 |
| 3 x 1 | 14 Ga. | .083 | 2.160 | 43.2 | 51.84 | 86.4 |
| | 11 Ga. | | 3.070 | 61.4 | 73.68 | 122.8 |
| 3 x 1 1/2 | | | | 0 | 0 | 0 |
| | 14 Ga. | .083 | 2.446 | 48.92 | 58.704 | 97.84 |
| | 11 Ga. | .120 | 3.476 | 69.52 | 83.424 | 139.04 |
| | 3/16" | .188 | 4.970 | 99.4 | 119.28 | 198.8 |
| 3 x 2 | 14 Ga. | .083 | 2.728 | 54.56 | 65.472 | 109.12 |
| | 11 Ga. | .120 | 3.760 | 75.2 | 90.24 | 150.4 |
| | 3/16" | .188 | 5.590 | 111.8 | 134.16 | 223.6 |
| | 1/4" | .250 | 7.110 | 142.2 | 170.64 | 284.4 |
| 3 1/2 x 2 1/2 | 3/16" | .188 | 6.880 | 137.6 | 165.12 | 275.2 |
| 4 x 2 | 14 Ga. | .083 | 3.263 | 65.26 | 78.312 | 130.52 |
| | 11 Ga. | .120 | 4.580 | 91.6 | 109.92 | 183.2 |
| | 3/16" | .188 | 6.870 | 137.4 | 164.88 | 274.8 |
| | 1/4" | .250 | 8.810 | 176.2 | 211.44 | 352.4 |
| 4 x 3 | 3/16" | .188 | 8.150 | 163 | 195.6 | 326 |
| | 1/4" | .250 | 10.510 | 210.2 | 252.24 | 420.4 |
| | * 3/8" | .375 | 14.710 | 294.2 | 353.04 | 588.4 |

Continued

* Not in stock. May be special ordered.

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| Size and Gauge | | Wall Decimal | Wt. Lbs./Ft. | Wt. Lbs./20' | Wt. Lbs./24' | Wt. Lbs./40' |
|----------------|--------|-----------------|-----------------|-----------------|-----------------|-----------------|
| 5 x 2 | 3/16" | .188 | 8.150 | 163 | 195.6 | 326 |
| | 1/4" | .250 | 10.510 | 210.2 | 252.24 | 420.4 |
| 5 x 3 | 3/16" | .188 | 9.420 | 188.4 | 226.08 | 376.8 |
| | 1/4" | .250 | 12.210 | 244.2 | 293.04 | 488.4 |
| | * 3/8" | .375 | 17.270 | 345.4 | 414.48 | 690.8 |
| * 5 x 4 | 1/4" | .250 | 13.910 | 278.2 | 333.84 | 556.4 |
| 6 x 2 | 11 Ga. | .120 | 6.220 | 124.4 | 149.28 | 248.8 |
| | 3/16" | .188 | 9.420 | 188.4 | 226.08 | 376.8 |
| | 1/4" | .250 | 12.210 | 244.2 | 293.04 | 488.4 |
| 6 x 3 | 3/16" | .188 | 10.700 | 214 | 256.8 | 428 |
| | 1/4" | .250 | 13.910 | 278.2 | 333.84 | 556.4 |
| | * 3/8" | .375 | 19.820 | 396.4 | 475.68 | 792.8 |
| 6 x 4 | 3/16" | .188 | 11.970 | 239.4 | 287.28 | 478.8 |
| | 1/4" | .250 | 15.620 | 312.4 | 374.88 | 624.8 |
| | * 3/8" | .375 | 22.370 | 447.4 | 536.88 | 894.8 |
| * 7 x 4 | 1/4" | .250 | 17.320 | 346.4 | 415.68 | 692.8 |
| | 3/8" | .375 | 24.930 | 498.6 | 598.32 | 997.2 |
| * 7 x 5 | 1/4" | .250 | 14.530 | 290.6 | 348.72 | 581.2 |
| | 3/8" | .375 | 27.480 | 549.6 | 659.52 | 1099.2 |
| * 8 x 2 | 3/16" | .188 | 11.970 | 239.4 | 287.28 | 478.8 |
| | 1/4" | .250 | 15.620 | 312.4 | 374.88 | 624.8 |
| * 8 x 3 | 3/16" | .188 | 13.250 | 265 | 318 | 530 |
| | 1/4" | .250 | 17.320 | 346.4 | 415.68 | 692.8 |
| * 8 x 4 | 3/16" | .188 | 14.530 | 290.6 | 348.72 | 581.2 |
| | 1/4" | .250 | 19.020 | 380.4 | 456.48 | 760.8 |
| | 3/8" | .375 | 27.480 | 549.6 | 659.52 | 1099.2 |

* Not in stock. May be special ordered.

Decimal Equivalents

| | |
|-------------------|-------------------|
| $1/64 = .015625$ | $33/64 = .515625$ |
| $1/32 = .03125$ | $17/32 = .53125$ |
| $3/64 = .046875$ | $35/64 = .546875$ |
| $1/16 = .0625$ | $9/16 = .5625$ |
| $5/64 = .078125$ | $37/64 = .578125$ |
| $3/32 = .09375$ | $19/32 = .59375$ |
| $7/64 = .109375$ | $39/64 = .609375$ |
| $1/8 = .125$ | $5/8 = .625$ |
| $9/64 = .140625$ | $41/64 = .640625$ |
| $5/32 = .15625$ | $21/32 = .65625$ |
| $11/64 = .171875$ | $43/64 = .671875$ |
| $3/16 = .1875$ | $11/16 = .6875$ |
| $13/64 = .203125$ | $45/64 = .703125$ |
| $7/32 = .21875$ | $23/32 = .71875$ |
| $15/64 = .234375$ | $47/64 = .734375$ |
| $1/4 = .250$ | $3/4 = .750$ |
| $17/64 = .265625$ | $49/64 = .765625$ |
| $9/32 = .28125$ | $25/32 = .78125$ |
| $19/64 = .296875$ | $51/64 = .796875$ |
| $5/16 = .3125$ | $13/16 = .8125$ |
| $21/64 = .328125$ | $53/64 = .828125$ |
| $11/32 = .34375$ | $27/32 = .84375$ |
| $23/64 = .359375$ | $55/64 = .859375$ |
| $3/8 = .375$ | $7/8 = .875$ |
| $25/64 = .390625$ | $57/64 = .890625$ |
| $13/32 = .40625$ | $29/32 = .90625$ |
| $27/64 = .421875$ | $59/64 = .921875$ |
| $7/16 = .4375$ | $15/16 = .9375$ |
| $29/64 = .453125$ | $61/64 = .953125$ |
| $15/32 = .46875$ | $31/32 = .96875$ |
| $31/64 = .484375$ | $63/64 = .984375$ |
| $1/2 = .5$ | $1 = 1.0$ |

Inches to Decimal Feet Conversion Chart

| | 0/8" | 1/8" | 1/4" | 3/8" | 1/2" | 5/8" | 3/4" | 7/8" |
|-----|------|------|------|------|------|------|------|------|
| 0" | .00 | .01 | .02 | .03 | .04 | .05 | .06 | .07 |
| 1" | .08 | .09 | .10 | .11 | .12 | .14 | .15 | .16 |
| 2" | .17 | .18 | .19 | .20 | .21 | .22 | .23 | .24 |
| 3" | .25 | .26 | .27 | .28 | .29 | .30 | .31 | .32 |
| 4" | .33 | .34 | .35 | .36 | .38 | .39 | .40 | .41 |
| 5" | .42 | .43 | .44 | .45 | .46 | .47 | .48 | .49 |
| 6" | .50 | .51 | .52 | .53 | .54 | .55 | .56 | .57 |
| 7" | .58 | .59 | .60 | .61 | .62 | .64 | .65 | .66 |
| 8" | .67 | .68 | .69 | .70 | .71 | .72 | .73 | .74 |
| 9" | .75 | .76 | .77 | .78 | .79 | .80 | .81 | .82 |
| 10" | .83 | .84 | .85 | .86 | .88 | .89 | .90 | .91 |
| 11" | .92 | .93 | .94 | .95 | .96 | .97 | .98 | .99 |

Useful Information

| | | |
|---|---|---|
| CIRCUMFERENCE OF A CIRCLE | = | Diameter x 3.1416 |
| DIAMETER OF A CIRCLE | = | Circumference x 0.31931 |
| AREA OF A CIRCLE | = | Square of Diameter x 0.7854 |
| AREA OF A RECTANGLE | = | Length x Width |
| AREA OF AN ELLIPSE | = | Product of Both Diameters x 0.7854 |
| AREA OF A PARALLELOGRAM | = | Base x Altitude |
| SIDE OF AN EQUAL SQUARE | = | Diameter x 0.8862 |
| SIDE OF AN INSCRIBED SQUARE | = | Diameter x 0.7071 |
| or | = | Circumference x 0.2251 |
| or | = | Circumference ÷ 4.4428 |
| CUBIC INCHES IN A BALL | = | Cube of Diameter x 0.5236 |
| CUBIC CONTENTS OF A CONE | = | Area of Base x 1/3 the Altitude |
| SURFACE OF FRUSTRUM OF CONE OR PYRAMID | | |
| Sum of the Circumference of both ends | x | 1/2 Slant Height + Area of both Ends |
| CONTENTS OF FRUSTRUM OF CONE OR PYRAMID | | |
| Square Root of the Product of the Area of both Ends | + | Area of Both Ends x 1/3 the Altitude |

A side if an inscribed square equals radius of a sphere multiplied by 1.1547.

One cubic foot equals 7.5 gallons.

Doubling the diameter of a circle increases its area four times.

Doubling the diameter of pipe increases its capacity four times.

A side of a square multiplied by 1.4142 equals the diameter of its circumscribing circle.

Volume of a cylinder is 3.14 x radius squared x height.

Metric Conversion Factors

English to Metric

| | | | | |
|------------|---|---------|---|-----------------|
| pounds | ÷ | 2.2046 | = | kilograms |
| tons | x | 907.2 | = | kilograms |
| inches | ÷ | 0.03937 | = | millimeters |
| inches | x | 25.4 | = | millimeters |
| inches | x | 39.37 | = | meters |
| feet | ÷ | 3.281 | = | meters |
| yards | ÷ | 1.094 | = | meters |
| sq. inches | ÷ | 0.00155 | = | sq. millimeters |
| sq. inches | x | 645.16 | = | sq. millimeters |

English and Metric Equivalents

Weights

| | | |
|-------------------------|---|---|
| 1 pound | = | 453.6 grams, or 0.4536 kilograms |
| 1 lb. per foot | = | 1.4882 kilograms per meter |
| 1 net ton (2000 lbs.) | = | 907.18 kilograms |
| 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. ft. |
| 1 kilogram | = | 2.2046 lbs |
| 1 kilogram per meter | = | 0.67197 lbs. per foot |
| | = | 2204.6 lbs |
| 1 metric ton (1000 kg) | = | 1.10231 net tons |
| | = | 0.98421 gross ton |

Measures

| | | |
|------------------|---|---------------------------|
| 1 inch (in.) | = | 25.40 millimeters (mm) |
| 1 sq. inch | = | 645.16 square millimeters |
| 1 sq. foot | = | 0.092903 square meter |
| 1 millimeter | = | 0.03937 inch |
| 1 sq. millimeter | = | 0.00155 sq. inch |
| 1 meter | = | 3.2808 feet |
| | = | 1.09361 yards |
| 1 sq. meter | = | 10.7639 sq. feet |
| | = | 1.196 sq. yards |

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