



Phoenix Tube Company, Inc.®

**Sizes, Weights & Finishes - Rectangular Stainless Steel Tube**

Sizes: 1/2" to 12"

Wall Thickness: 0.049" to 0.375"

**Size and Estimated Weight [Lbs per Ft]**

| Size [in.] |   |       | Gauge, Thickness [in.] |             |             |             |             |            |              |               |              |
|------------|---|-------|------------------------|-------------|-------------|-------------|-------------|------------|--------------|---------------|--------------|
|            |   |       | 18<br>0.049            | 16<br>0.063 | 14<br>0.083 | 12<br>0.109 | 11<br>0.120 | 7<br>0.180 | 1/4<br>0.250 | 5/16<br>0.313 | 3/8<br>0.375 |
| 1/2        | X | 3/4   | 0.387                  | 0.484       |             |             |             |            |              |               |              |
| 1/2        | X | 1     | 0.469                  | 0.590       | 0.765       | 0.974       | 1.058       |            |              |               |              |
| 1/2        | X | 1 1/2 | 0.634                  | 0.800       | 1.044       | 1.341       | 1.462       |            |              |               |              |
| 1/2        | X | 2     | 0.799                  | 1.011       | 1.324       | 1.708       | 1.866       | 2.683      |              |               |              |
| 3/4        | X | 1     | 0.552                  | 0.695       | 0.904       | 1.157       | 1.260       |            |              |               |              |
| 3/4        | X | 1 1/4 | 0.634                  | 0.800       | 1.044       | 1.341       | 1.462       | 2.076      |              |               |              |
| 3/4        | X | 1 1/2 |                        | 0.905       | 1.184       | 1.524       | 1.664       |            |              |               |              |
| 3/4        | X | 1 3/4 | 0.799                  | 1.011       | 1.324       | 1.708       | 1.866       | 2.683      |              |               |              |
| 3/4        | X | 2     | 0.882                  | 1.116       | 1.464       | 1.891       | 2.068       |            |              |               |              |
| 1          | X | 1 1/4 |                        | 0.905       | 1.184       | 1.524       | 1.664       |            |              |               |              |
| 1          | X | 1 1/2 | 0.799                  | 1.011       | 1.324       | 1.708       | 1.866       |            |              |               |              |
| 1          | X | 2     | 0.965                  | 1.221       | 1.603       | 2.075       | 2.270       | 3.289      |              |               |              |
| 1          | X | 2 1/2 |                        | 1.432       | 1.883       | 2.442       | 2.675       |            |              |               |              |
| 1          | X | 3     | 1.295                  | 1.642       | 2.163       | 2.809       | 3.079       | 4.502      | 6.064        |               |              |
| 1          | X | 4     |                        |             | 2.722       | 3.544       | 3.887       | 5.714      | 7.748        |               |              |
| 1 1/4      | X | 1 3/4 | 0.965                  | 1.221       | 1.603       | 2.075       | 2.270       | 3.289      |              |               |              |
| 1 1/4      | X | 2     | 1.047                  | 1.326       | 1.743       | 2.259       | 2.472       |            | 4.800        |               |              |
| 1 1/4      | X | 2 1/2 | 1.212                  | 1.537       | 2.023       | 2.626       | 2.877       |            | 5.643        |               |              |
| 1 1/2      | X | 2     |                        | 1.432       | 1.883       | 2.442       | 2.675       |            |              |               |              |
| 1 1/2      | X | 2 1/2 | 1.295                  | 1.642       | 2.163       | 2.809       | 3.079       | 4.502      | 6.064        |               |              |
| 1 1/2      | X | 3     |                        | 1.853       | 2.442       | 3.177       | 3.483       | 5.108      |              |               |              |
| 1 1/2      | X | 4     | 1.790                  | 2.274       | 3.001       | 3.911       | 4.292       | 6.321      | 8.590        |               |              |
| 2          | X | 3     |                        |             | 2.722       | 3.544       | 3.887       | 5.714      | 7.748        |               |              |
| 2          | X | 4     |                        |             | 3.281       | 4.278       | 4.696       | 6.927      | 9.433        | 11.597        | 13.643       |
| 2          | X | 5     |                        |             |             |             | 5.504       | 8.140      | 11.117       |               |              |
| 2          | X | 6     |                        |             |             |             | 6.313       | 9.353      | 12.801       | 15.815        | 18.697       |
| 2          | X | 8     |                        |             |             |             | 7.930       | 11.778     | 16.170       | 20.032        | 23.750       |
| 2          | X | 10    |                        |             |             |             | 9.547       | 14.204     | 19.539       | 24.250        | 28.803       |
| 2          | X | 12    |                        |             |             |             | 11.164      | 16.629     | 22.908       | 28.468        | 33.856       |
| 3          | X | 4     |                        |             |             |             | 5.504       | 8.140      | 11.117       |               |              |
| 3          | X | 5     |                        |             |             |             | 6.313       | 9.353      | 12.801       | 15.815        | 18.697       |
| 3          | X | 6     |                        |             |             |             | 7.121       | 10.565     | 14.486       | 17.923        | 21.223       |
| 4          | X | 5     |                        |             |             |             | 7.121       | 10.565     | 14.486       | 17.923        | 21.223       |
| 4          | X | 6     |                        |             |             |             | 7.930       | 11.778     | 16.170       | 20.032        | 23.750       |
| 4          | X | 8     |                        |             |             |             | 9.547       | 14.204     | 19.539       | 24.250        | 28.803       |
| 4          | X | 10    |                        |             |             |             |             |            | 22.908       | 28.468        | 33.856       |
| 4          | X | 12    |                        |             |             |             |             |            | 26.276       | 32.685        | 38.909       |
| 6          | X | 8     |                        |             |             |             |             |            | 22.908       | 28.468        | 33.856       |
| 6          | X | 10    |                        |             |             |             |             |            | 26.276       | 32.685        | 38.909       |

**Finishes**

120, 240, 320 Grit

**Tolerances per ASTM A554**

| Largest Outside Dimension [in"] | Outside Dimension Tolerance across flats ["]<br>Including Concavity or Convexity | Wall Tolerance |
|---------------------------------|--|----------------|
| To 1 1/4, incl                  | +/- 0.015  | +/- 10%        |
| Over 1 1/4 to 2 1/2, incl       | +/- 0.020  | +/- 10%        |
| Over 2 1/2 to 5 1/2, incl       | +/- 0.030  | +/- 10%        |
| Over 5 1/2 to 8, incl           | +/- 0.060  | +/- 10%        |
| Over 8 to 12, incl              | +/- 0.080  | +/- 10%        |

ALL MATERIAL PRODUCED TO ASTM SPECIFICATION A554/A554M (LATEST REVISION)

OTHER SIZES AND STAINLESS ALLOYS AVAILABLE UPON REQUEST

1185 WIN DRIVE BETHLEHEM PA, 18017 (610) 865-5337 FAX (610) 865-9832