

Weights and Areas for Stainless Steel Alloys
Weights and Sizes of Coils - Weight per Inch of Width
(Multiply weight per inch of width x coil width to determine coil weight)

| Outside Diameter, Inches | Inside Diameter, Inches | | | | | | | | | | |
|--------------------------|-------------------------|------------------|---------|-------------------|---------|-------------------|--------------------|-------------|----------|-------------|----------|
| | 1 5/16 Fiber | 3 Fiber Thinwall | 3 Steel | 3 Fiber Thickwall | 6 Steel | 6 Fiber Thickwall | 6 Fiber Heavy Duty | 12 Coreless | 12 Fiber | 16 Coreless | 16 Fiber |
| 2 | 0.26 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 3 | 1.38 | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 4 | 2.94 | 1.22 | 0.94 | --- | --- | --- | --- | --- | --- | --- | --- |
| 5 | 4.96 | 3.23 | 2.95 | 2.01 | --- | --- | --- | --- | --- | --- | --- |
| 6 | 7.42 | 5.69 | 5.41 | 4.48 | --- | --- | --- | --- | --- | --- | --- |
| 7 | 10.33 | 8.60 | 8.32 | 7.39 | 1.87 | --- | --- | --- | --- | --- | --- |
| 8 | 13.69 | 11.96 | 11.68 | 10.74 | 5.23 | 3.36 | 1.73 | --- | --- | --- | --- |
| 9 | 17.49 | 15.77 | 15.49 | 14.55 | 9.03 | 7.16 | 5.54 | --- | --- | --- | --- |
| 10 | 21.75 | 20.02 | 19.74 | 18.80 | 13.29 | 11.42 | 9.79 | --- | --- | --- | --- |
| 11 | 26.45 | 24.72 | 24.44 | 23.50 | 17.99 | 16.12 | 14.49 | --- | --- | --- | --- |
| 12 | 31.60 | 29.87 | 29.59 | 28.65 | 23.14 | 21.26 | 19.64 | --- | --- | --- | --- |
| 13 | 37.19 | 35.46 | 35.18 | 34.25 | 28.73 | 26.86 | 25.24 | 5.60 | --- | --- | --- |
| 14 | 43.23 | 41.51 | 41.23 | 40.29 | 34.78 | 32.90 | 31.28 | 11.64 | 6.04 | --- | --- |
| 15 | 49.73 | 48.00 | 47.72 | 46.78 | 41.27 | 39.40 | 37.77 | 18.13 | 12.53 | --- | --- |
| 16 | 56.67 | 54.94 | 54.66 | 53.72 | 48.21 | 46.33 | 44.71 | 25.07 | 19.47 | --- | --- |
| 17 | 64.05 | 62.33 | 62.04 | 61.11 | 55.59 | 53.72 | 52.10 | 32.46 | 26.86 | 7.39 | --- |
| 18 | 71.89 | 70.16 | 69.88 | 68.94 | 63.43 | 61.56 | 59.93 | 40.29 | 34.69 | 15.22 | 7.83 |
| 19 | 80.17 | 78.44 | 78.16 | 77.22 | 71.71 | 69.84 | 68.21 | 48.57 | 42.98 | 23.50 | 16.12 |
| 20 | 88.90 | 87.17 | 86.89 | 85.95 | 80.44 | 78.57 | 76.94 | 57.30 | 51.71 | 32.23 | 24.85 |
| 21 | 98.08 | 96.35 | 96.07 | 95.13 | 89.62 | 87.74 | 86.12 | 66.48 | 60.88 | 41.41 | 34.02 |
| 22 | 107.70 | 105.97 | 105.69 | 104.76 | 99.24 | 97.37 | 95.75 | 76.11 | 70.51 | 51.04 | 43.65 |
| 23 | 117.77 | 116.05 | 115.77 | 114.83 | 109.31 | 107.44 | 105.82 | 86.18 | 80.58 | 61.11 | 53.72 |
| 24 | 128.29 | 126.57 | 126.29 | 125.35 | 119.83 | 117.96 | 116.34 | 96.70 | 91.10 | 71.63 | 64.24 |
| 25 | 139.26 | 137.53 | 137.25 | 136.32 | 130.80 | 128.93 | 127.31 | 107.67 | 102.07 | 82.60 | 75.21 |
| 26 | 150.68 | 148.95 | 148.67 | 147.73 | 142.22 | 140.35 | 138.72 | 119.08 | 113.49 | 94.01 | 86.63 |
| 27 | 162.54 | 160.81 | 160.53 | 159.60 | 154.08 | 152.21 | 150.59 | 130.95 | 125.35 | 105.88 | 98.49 |
| 28 | 174.85 | 173.13 | 172.84 | 171.91 | 166.39 | 164.52 | 162.90 | 143.26 | 137.66 | 118.19 | 110.80 |
| 29 | 187.61 | 185.88 | 185.60 | 184.67 | 179.15 | 177.28 | 175.66 | 156.02 | 150.42 | 130.95 | 123.56 |
| 30 | 200.82 | 199.09 | 198.81 | 197.87 | 192.36 | 190.49 | 188.86 | 169.22 | 163.63 | 144.15 | 136.77 |
| 31 | 214.47 | 212.74 | 212.46 | 211.53 | 206.01 | 204.14 | 202.52 | 182.88 | 177.28 | 157.81 | 150.42 |
| 32 | 228.57 | 226.85 | 226.57 | 225.63 | 220.11 | 218.24 | 216.62 | 196.98 | 191.38 | 171.91 | 164.52 |
| 33 | 243.12 | 241.40 | 241.12 | 240.18 | 234.66 | 232.79 | 231.17 | 211.53 | 205.93 | 186.46 | 179.07 |
| 34 | 258.12 | 256.39 | 256.11 | 255.18 | 249.66 | 247.79 | 246.17 | 226.52 | 220.93 | 201.45 | 194.07 |
| 35 | 273.56 | 271.84 | 271.56 | 270.62 | 265.11 | 263.23 | 261.61 | 241.97 | 236.37 | 216.90 | 209.51 |
| 36 | 289.46 | 287.73 | 287.45 | 286.51 | 281.00 | 279.13 | 277.50 | 257.86 | 252.27 | 232.79 | 225.41 |
| 37 | 305.80 | 304.07 | 303.79 | 302.85 | 297.34 | 295.47 | 293.84 | 274.20 | 268.61 | 249.13 | 241.75 |
| 38 | 322.59 | 320.86 | 320.58 | 319.64 | 314.13 | 312.25 | 310.63 | 290.99 | 285.39 | 265.92 | 258.53 |
| 39 | 339.82 | 338.09 | 337.81 | 336.88 | 331.36 | 329.49 | 327.87 | 308.23 | 302.63 | 283.16 | 275.77 |
| 40 | 357.50 | 355.78 | 355.50 | 354.56 | 349.04 | 347.17 | 345.55 | 325.91 | 320.31 | 300.84 | 293.45 |
| 41 | 375.64 | 373.91 | 373.63 | 372.69 | 367.18 | 365.30 | 363.68 | 344.04 | 338.44 | 318.97 | 311.58 |
| 42 | 394.21 | 392.49 | 392.21 | 391.27 | 385.75 | 383.88 | 382.26 | 362.62 | 357.02 | 337.55 | 330.16 |
| 43 | 413.24 | 411.51 | 411.23 | 410.30 | 404.78 | 402.91 | 401.29 | 381.64 | 376.05 | 356.57 | 349.19 |
| 44 | 432.71 | 430.99 | 430.71 | 429.77 | 424.25 | 422.38 | 420.76 | 401.12 | 395.52 | 376.05 | 368.66 |
| 45 | 452.64 | 450.91 | 450.63 | 449.69 | 444.18 | 442.30 | 440.68 | 421.04 | 415.44 | 395.97 | 388.58 |
| 46 | 473.00 | 471.28 | 471.00 | 470.06 | 464.55 | 462.67 | 461.05 | 441.41 | 435.81 | 416.34 | 408.95 |
| 47 | 493.82 | 492.09 | 491.81 | 490.88 | 485.36 | 483.49 | 481.87 | 462.23 | 456.63 | 437.16 | 429.77 |
| 48 | 515.09 | 513.36 | 513.08 | 512.14 | 506.63 | 504.76 | 503.13 | 483.49 | 477.90 | 458.42 | 451.03 |
| 49 | 536.80 | 535.07 | 534.79 | 533.85 | 528.34 | 526.47 | 524.85 | 505.20 | 499.61 | 480.13 | 472.75 |
| 50 | 558.96 | 557.23 | 556.95 | 556.01 | 550.50 | 548.63 | 547.01 | 527.36 | 521.77 | 502.29 | 494.91 |
| 51 | 581.57 | 579.84 | 579.56 | 578.62 | 573.11 | 571.24 | 569.61 | 549.97 | 544.38 | 524.90 | 517.51 |
| 52 | 604.62 | 602.89 | 602.61 | 601.68 | 596.16 | 594.29 | 592.67 | 573.03 | 567.43 | 547.96 | 540.57 |
| 53 | 628.12 | 626.40 | 626.12 | 625.18 | 619.67 | 617.79 | 616.17 | 596.53 | 590.93 | 571.46 | 564.07 |
| 54 | 652.08 | 650.35 | 650.07 | 649.13 | 643.62 | 641.74 | 640.12 | 620.48 | 614.88 | 595.41 | 588.02 |
| 55 | 676.47 | 674.75 | 674.47 | 673.53 | 668.01 | 666.14 | 664.52 | 644.88 | 639.28 | 619.81 | 612.42 |
| 56 | 701.32 | 699.59 | 699.31 | 698.38 | 692.86 | 690.99 | 689.37 | 669.72 | 664.13 | 644.65 | 637.27 |
| 57 | 726.61 | 724.89 | 724.61 | 723.67 | 718.15 | 716.28 | 714.66 | 695.02 | 689.42 | 669.95 | 662.56 |
| 58 | 752.36 | 750.63 | 750.35 | 749.41 | 743.90 | 742.02 | 740.40 | 720.76 | 715.16 | 695.69 | 688.30 |
| 59 | 778.54 | 776.82 | 776.54 | 775.60 | 770.08 | 768.21 | 766.59 | 746.95 | 741.35 | 721.88 | 714.49 |
| 60 | 805.18 | 803.45 | 803.17 | 802.24 | 796.72 | 794.85 | 793.23 | 773.59 | 767.99 | 748.52 | 741.13 |

To calculate coil weight:

Determine the "Weight per Inch of Width" from this table based upon the appropriate ID and OD

Multiply the "Weight per Inch of Width" times the coil width

For coil sizes not shown above, determine the weight per inch of width with the following formula:

$$\text{Weight per Inch of Width} = (\text{Radius of O.D.})^2 - (\text{Radius of I.D.})^2 \times 0.8954$$

Weight per Inch of Width shown are based upon using the average stainless steel alloy density of 0.285 pounds per cubic inch