

Wire and Drill Sizes

| AWG | Fract Size | # Size | Letter | Dia In | Dia mm | AWG | Fract Size | # Size | Letter | Dia In | Dia mm | AWG | Fract Size | # Size | Letter | Dia In | Dia mm | | |
|-----|------------|--------|--------|---------|--------|-----|------------|--------|--------|--------|--------|------------|------------|--------|--------|--------|--------|-------|--|
| 40 | | | | 0.00314 | 0.08 | | | 39 | | 0.0995 | 2.53 | | | | | P | 0.323 | 8.2 | |
| 39 | | | | 0.00353 | 0.09 | | | 38 | | 0.1015 | 2.58 | | | | | | 0.3248 | 8.25 | |
| 38 | | | | 0.00397 | 0.1 | 10 | | | | 0.1019 | 2.59 | 0 (1/0) | | | | | 0.3249 | 8.25 | |
| 37 | | | | 0.00445 | 0.11 | | | 37 | | 0.104 | 2.64 | | 21/64 | | | | 0.3281 | 8.33 | |
| 36 | | | | 0.005 | 0.13 | | | 36 | | 0.1065 | 2.71 | | | | Q | | 0.332 | 8.43 | |
| 35 | | | | 0.00561 | 0.14 | | | | | 0.1083 | 2.75 | | | | | | 0.3346 | 8.5 | |
| 34 | | | | 0.0063 | 0.16 | | | | | 0.1094 | 2.78 | | | | R | | 0.339 | 8.61 | |
| 33 | | | | 0.00708 | 0.18 | | | 35 | 7/64 | 0.11 | 2.79 | | 11/32 | | | | 0.3438 | 8.73 | |
| 32 | | | | 0.00795 | 0.2 | | | 34 | | 0.111 | 2.82 | | | | | | 0.3445 | 8.75 | |
| 31 | | | | 0.00893 | 0.23 | | | 33 | | 0.113 | 2.87 | | | | S | | 0.348 | 8.84 | |
| 30 | | | | 0.01 | 0.25 | | | | | 0.1144 | 2.91 | | | | | | 0.3543 | 9 | |
| 29 | | | | 0.0113 | 0.29 | 9 | | 32 | | 0.116 | 2.95 | | | | T | | 0.358 | 9 | |
| 28 | | | | 0.0126 | 0.32 | | | | | 0.1181 | 3 | | 23/64 | | | | 0.3594 | 9.13 | |
| | | 80 | | 0.0135 | 0.34 | | | 31 | | 0.12 | 3.05 | | | | | | 0.3642 | 9.25 | |
| 27 | | | | 0.0142 | 0.36 | | | 1/8 | | 0.125 | 3.18 | 00 (2/0) | | | | | 0.3648 | 9.27 | |
| | | 79 | | 0.0145 | 0.37 | | | | | 0.128 | 3.25 | | | | U | | 0.368 | 9.35 | |
| | 1/64 | | | 0.0156 | 0.4 | | | 30 | 8 | 0.1285 | 3.26 | | | | | | 0.374 | 9.5 | |
| 26 | | | | 0.0159 | 0.4 | | | 29 | | 0.136 | 3.45 | | 3/8 | | | | 0.375 | 9.53 | |
| | | 78 | | 0.016 | 0.41 | | | | | 0.1378 | 3.5 | | | | V | | 0.377 | 9.58 | |
| 25 | | | | 0.0179 | 0.45 | | | 28 | | 0.1405 | 3.57 | | | | | | 0.3839 | 9.75 | |
| | | 77 | | 0.018 | 0.46 | | | | | 0.1406 | 3.57 | | | | W | | 0.386 | 9.8 | |
| | | 76 | | 0.0197 | 0.5 | | | 27 | 9/64 | 0.144 | 3.66 | | 25/64 | | | | 0.3906 | 9.92 | |
| | | | | 0.02 | 0.51 | | | | | 0.1443 | 3.67 | | | | | | 0.3937 | 10 | |
| 24 | | | | 0.0201 | 0.51 | | | 26 | | 0.147 | 3.73 | | | | X | | 0.397 | 10.08 | |
| | | 75 | | 0.021 | 0.53 | | | | | 0.1476 | 3.75 | | | | Y | | 0.404 | 10.26 | |
| | | 74 | | 0.0225 | 0.57 | | | 25 | | 0.1495 | 3.8 | | | | | | 0.4063 | 10.32 | |
| 23 | | | | 0.0226 | 0.57 | | | 24 | | 0.152 | 3.86 | 000 (3/0) | 13/32 | | | | 0.4096 | 10.4 | |
| | | | | 0.0236 | 0.6 | | | 23 | | 0.154 | 3.91 | | | | | Z | 0.413 | 10.49 | |
| | | 73 | | 0.024 | 0.61 | | | | | 0.1562 | 3.97 | | | | | | 0.4134 | 10.5 | |
| | | 72 | | 0.025 | 0.64 | | | 22 | | 0.157 | 3.99 | | 27/64 | | | | 0.4219 | 10.72 | |
| 22 | | | | 0.0253 | 0.64 | | | | | 0.1575 | 4 | | | | | | 0.4331 | 11 | |
| | | 71 | | 0.026 | 0.66 | | | 21 | | 0.159 | 4.04 | | 7/16 | | | | 0.4375 | 11.11 | |
| | | | | 0.0276 | 0.7 | | | 20 | | 0.161 | 4.09 | | | | | | 0.4528 | 11.5 | |
| | | 70 | | 0.028 | 0.71 | | | | | 0.162 | 4.11 | | | | | | 0.4531 | 11.51 | |
| 21 | | | | 0.0285 | 0.72 | | | 19 | 6 | 0.166 | 4.22 | 0000 (4/0) | 29/64 | | | | 0.46 | 11.68 | |
| | | 69 | | 0.0292 | 0.74 | | | | | 0.1673 | 4.25 | | | | | | 0.4688 | 11.91 | |
| | | | | 0.0295 | 0.75 | | | 18 | | 0.1695 | 4.31 | | 15/32 | | | | 0.4724 | 12 | |
| | | 68 | | 0.031 | 0.79 | | | | | 0.1719 | 4.37 | | | | | | 0.4844 | 12.3 | |
| | 1/32 | | | 0.0312 | 0.79 | | | 17 | 11/64 | 0.173 | 4.39 | | 31/64 | | | | 0.4921 | 12.5 | |
| | | | | 0.0315 | 0.8 | | | 16 | | 0.177 | 4.5 | | | | | | 0.5 | 12.7 | |
| 20 | | | | 0.032 | 0.81 | | | | | 0.1772 | 4.5 | | 1/2 | | | | 0.5118 | 13 | |
| | | 67 | | 0.033 | 0.84 | | | 15 | | 0.18 | 4.57 | | 33/64 | | | | 0.5156 | 13.1 | |
| | | 66 | | 0.035 | 0.89 | | | | | 0.1819 | 4.62 | | 17/32 | | | | 0.5312 | 13.49 | |
| | | 65 | | 0.0354 | 0.9 | | | 14 | 5 | 0.182 | 4.62 | | | | | | 0.5315 | 13.5 | |
| 19 | | | | 0.0359 | 0.91 | | | 13 | | 0.185 | 4.7 | | 35/64 | | | | 0.5469 | 13.89 | |
| | | 64 | | 0.036 | 0.91 | | | | | 0.187 | 4.75 | | | | | | 0.5512 | 14 | |
| | | 63 | | 0.037 | 0.94 | | | | | 0.1875 | 4.76 | | 9/16 | | | | 0.5625 | 14.29 | |
| | | 62 | | 0.038 | 0.97 | | | 12 | 3/16 | 0.189 | 4.8 | | | | | | 0.5709 | 14.5 | |
| | | 61 | | 0.039 | 0.99 | | | 11 | | 0.191 | 4.85 | | | | | | 0.5781 | 14.68 | |
| | | | | 0.0394 | 1 | | | 10 | | 0.1935 | 4.91 | | 37/64 | | | | 0.5906 | 15 | |
| | | 60 | | 0.04 | 1.02 | | | 9 | | 0.196 | 4.98 | | 19/32 | | | | 0.5938 | 15.08 | |
| 18 | | | | 0.0403 | 1.02 | | | | | 0.1969 | 5 | | 39/64 | | | | 0.6094 | 15.48 | |
| | | 59 | | 0.041 | 1.04 | | | 8 | | 0.199 | 5.05 | | | | | | 0.6102 | 15.5 | |
| | | 58 | | 0.042 | 1.07 | | | 7 | | 0.201 | 5.11 | | 5/8 | | | | 0.625 | 15.88 | |
| | | 57 | | 0.043 | 1.09 | | | | | 0.2031 | 5.16 | | | | | | 0.6299 | 16 | |
| | | | | 0.0433 | 1.1 | | | 6 | 13/64 | 0.204 | 5.18 | | 41/64 | | | | 0.6406 | 16.27 | |
| 17 | | | | 0.0453 | 1.15 | | | | | 0.2043 | 5.19 | | | | | | 0.6496 | 16.5 | |
| | | 56 | | 0.0465 | 1.18 | | | 5 | 4 | 0.2055 | 5.22 | | 21/32 | | | | 0.6562 | 16.67 | |
| | | | | 0.0469 | 1.19 | | | | | 0.2067 | 5.25 | | | | | | 0.6693 | 17 | |
| | | | | 0.0472 | 1.2 | | | 4 | | 0.209 | 5.31 | | 43/64 | | | | 0.6719 | 17.07 | |
| | | | | 0.0492 | 1.25 | | | 3 | | 0.213 | 5.41 | | 11/16 | | | | 0.6875 | 17.46 | |
| 16 | | | | 0.0508 | 1.29 | | | | | 0.2165 | 5.5 | | | | | | 0.689 | 17.5 | |
| | | | | 0.0512 | 1.3 | | | | | 0.2188 | 5.56 | | 45/64 | | | | 0.7031 | 17.86 | |
| | | 55 | | 0.052 | 1.32 | | | 2 | | 0.221 | 5.61 | | | | | | 0.7087 | 18 | |
| | | 54 | | 0.055 | 1.4 | | | | | 0.2264 | 5.75 | | 23/32 | | | | 0.7188 | 18.26 | |
| 15 | | | | 0.0571 | 1.45 | | | 1 | | 0.228 | 5.79 | | | | | | 0.7283 | 18.5 | |
| | | | | 0.0591 | 1.5 | | | | | 0.2294 | 5.83 | | 47/64 | | | | 0.7344 | 18.65 | |
| | | 53 | | 0.0595 | 1.51 | | | | | 0.234 | 5.94 | | | | | | 0.748 | 19 | |
| | | | | 0.0625 | 1.59 | | | | | 0.2344 | 5.95 | | 3/4 | | | | 0.75 | 19.05 | |
| | 1/16 | | | 0.063 | 1.6 | | | | | 0.2362 | 6 | | 49/64 | | | | 0.7656 | 19.45 | |
| | | 52 | | 0.0635 | 1.61 | | | | | 0.238 | 6.05 | | | | | | 0.7677 | 19.5 | |
| 14 | | | | 0.0641 | 1.63 | | | | | 0.242 | 6.15 | | 25/32 | | | | 0.7813 | 19.85 | |
| | | 51 | | 0.067 | 1.7 | | | | | 0.246 | 6.25 | | | | | | 0.7874 | 20 | |
| | | | | 0.0689 | 1.75 | | | | | 0.2461 | 6.25 | | 51/64 | | | | 0.7969 | 20.24 | |
| | | 50 | | 0.07 | 1.78 | | | | | 0.25 | 6.35 | | | | | | 0.8071 | 20.5 | |
| | | | | 0.0709 | 1.8 | | | | | 0.2559 | 6.5 | | 13/16 | | | | 0.8125 | 20.64 | |
| 13 | | | | 0.072 | 1.83 | | | | | 0.257 | 6.53 | | | | | | 0.8268 | 21 | |
| | | 49 | | 0.073 | 1.85 | | | | | 0.2576 | 6.54 | | 53/64 | | | | 0.8281 | 21.03 | |
| | | | | 0.0748 | 1.9 | | | | | 0.261 | 6.63 | | 27/32 | | | | 0.8438 | 21.43 | |
| | | 48 | | 0.076 | 1.93 | | | | | 0.2656 | 6.75 | | | | | | 0.8465 | 21.5 | |
| | | | | 0.0781 | 1.98 | | | | | 0.2657 | 6.75 | | 55/64 | | | | 0.8594 | 21.83 | |
| | | 47 | | 0.0785 | 1.99 | | | | | 0.266 | 6.76 | | | | | | 0.8661 | 22 | |
| | | | | 0.0787 | 2 | | | | | 0.272 | 6.91 | | | | | | 0.875 | 22.23 | |
| 12 | | | | 0.0808 | 2.05 | | | | | 0.2756 | 7 | | 7/8 | | | | 0.8858 | 22.5 | |
| | | 46 | | 0.081 | 2.06 | | | | | 0.277 | 7.04 | | 57/64 | | | | 0.8906 | 22.62 | |
| | | 45 | | 0.082 | 2.08 | | | | | 0.281 | 7.14 | | | | | | 0.9055 | 23 | |
| | | | | 0.0827 | 2.1 | | | | | 0.2812 | 7.14 | | 29/32 | | | | 0.9062 | 23.02 | |
| | | 44 | | 0.086 | 2.18 | | | | | 0.2854 | 7.25 | | 59/64 | | | | 0.9219 | 23.42 | |
| | | | | 0.0866 | 2.2 | | | | | 0.2893 | 7.35 | | | | | | 0.9252 | 23.5 | |
| | | | | 0.0886 | 2.25 | | | | | 0.29 | 7.37 | | 15/16 | | | | 0.9375 | 23.81 | |
| | | 43 | | 0.089 | 2.26 | | | | | 0.295 | 7.49 | | | | | | 0.9449 | 24 | |
| 11 | | | | 0.0907 | 2.3 | | | | | 0.2953 | 7.5 | | 61/64 | | | | 0.9531 | 24.21 | |
| | | | | 0.0935 | 2.37 | | | | | 0.2969 | 7.54 | | | | | | 0.9646 | 24.5 | |
| | | 42 | | 0.0938 | 2.38 | | | | | 0.302 | 7.67 | | | | | | 0.9688 | 24.61 | |
| | | | | 0.0945 | 2.4 | | | | | 0.3051 | 7.75 | | 31/32 | | | | 0.9843 | 25 | |
| | | 41 | | 0.096 | 2.44 | | | | | 0.3125 | 7.94 | | 63/64 | | | | 0.9844 | 25 | |
| | | 40 | | 0.098 | 2.49 | | | | | 0.315 | 8 | | | | | | 1 | 25.4 | |
| | | | | 0.0984 | 2.5 | | | | | 0.316 | 8.03 | | 1 | | | | | | |