



# DECIMAL EQUIVALENTS

| Number | Inch  | Number | Inch  |
|--------|-------|--------|-------|
| 60     | .0400 | 30     | .1285 |
| 59     | .0410 | 29     | .1360 |
| 58     | .0420 | 28     | .1405 |
| 57     | .0430 | 27     | .1440 |
| 56     | .0465 | 26     | .1470 |
| 55     | .0520 | 25     | .1495 |
| 54     | .0550 | 24     | .1520 |
| 53     | .0595 | 23     | .1540 |
| 52     | .0635 | 22     | .1570 |
| 51     | .0670 | 21     | .1590 |
| 50     | .0700 | 20     | .1610 |
| 49     | .0730 | 19     | .1660 |
| 48     | .0760 | 18     | .1695 |
| 47     | .0785 | 17     | .1730 |
| 46     | .0810 | 16     | .1770 |
| 45     | .0820 | 15     | .1800 |
| 44     | .0860 | 14     | .1820 |
| 43     | .0890 | 13     | .1850 |
| 42     | .0935 | 12     | .1890 |
| 41     | .0960 | 11     | .1910 |
| 40     | .0980 | 10     | .1935 |
| 39     | .0995 | 9      | .1960 |
| 38     | .1015 | 8      | .1990 |
| 37     | .1040 | 7      | .2010 |
| 36     | .1065 | 6      | .2040 |
| 35     | .1100 | 5      | .2055 |
| 34     | .1110 | 4      | .2090 |
| 33     | .1130 | 3      | .2130 |
| 32     | .1160 | 2      | .2210 |
| 31     | .1200 | 1      | .2280 |

| Letter | Inch  |
|--------|-------|
| A      | .2340 |
| B      | .2380 |
| C      | .2420 |
| D      | .2460 |
| E      | .2500 |
| F      | .2570 |
| G      | .2610 |
| H      | .2660 |
| I      | .2720 |
| J      | .2770 |
| K      | .2810 |
| L      | .2900 |
| M      | .2950 |
| N      | .3020 |
| O      | .3160 |
| P      | .3230 |
| Q      | .3320 |
| R      | .3390 |
| S      | .3480 |
| T      | .3580 |
| U      | .3680 |
| V      | .3770 |
| W      | .3860 |
| X      | .3970 |
| Y      | .4040 |
| Z      | .4130 |

| Coarse Screw Sizes | Threads Per Inch | Clearance Hole | Number Or Size Tap Drill | Major Diameter |
|--------------------|------------------|----------------|--------------------------|----------------|
| 1                  | 64               | 48             | 53                       | 0.0730         |
| 2                  | 56               | 43             | 50                       | .0860          |
| 3                  | 48               | 38             | 47                       | .0990          |
| 4                  | 40               | 33             | 43                       | .1120          |
| 5                  | 40               | 30             | 38                       | .1250          |
| 6                  | 32               | 28             | 36                       | .1380          |
| 8                  | 32               | 19             | 29                       | .1640          |
| 10                 | 24               | 10             | 25                       | .1900          |
| 12                 | 24               | 7/32           | 16                       | .2160          |
| 1/4                | 20               | 1/4            | 7                        | .2500          |
| 5/16               | 18               | 5/16           | F                        | .3125          |
| 3/8                | 16               | 3/8            | 5/16                     | .3750          |

| Fine Screw Sizes | Threads Per Inch | Clearance Hole | Number or Size Tap Drill | Major Diameter |
|------------------|------------------|----------------|--------------------------|----------------|
| 1                | 72               | 48             | 53                       | .0730          |
| 2                | 64               | 43             | 50                       | .0860          |
| 3                | 56               | 38             | 45                       | .0990          |
| 4                | 48               | 33             | 42                       | .1120          |
| 5                | 44               | 30             | 37                       | .1250          |
| 6                | 40               | 28             | 33                       | .1380          |
| 8                | 36               | 19             | 29                       | .1640          |
| 10               | 32               | 10             | 21                       | .1900          |
| 12               | 28               | 7/32           | 14                       | .2160          |
| 1/4              | 28               | 1/4            | 3                        | .250           |
| 5/16             | 24               | 5/16           | I                        | .3125          |
| 3/8              | 24               | 3/8            | Q                        | .3750          |

| Torque Values Coarse Thread Series<br>Standard Type Nuts<br>(MS20365, AN310, AN315) |             |
|---|-------------|
| Bolt Size   | Inch-Pounds |
| 8-32  | 12-15       |
| 10-24   | 20-25       |
| 1/4-20  | 40-50       |
| 5/16-18   | 80-90       |
| 3/8-16  | 160-185     |
| 7/16-14   | 235-255     |
| 1/2-13  | 400-480     |
| 9/16-12   | 500-700     |
| 5/8-11  | 700-900     |
| 3/4-10  | 1,150-1,600 |

| Torque Values Fine Thread Series<br>Standard Type Nuts<br>(MS20365, AN310, AN315) |             |
|---|-------------|
| Bolt Size   | Inch Pounds |
| 10-32   | 20-25       |
| 1/4-28  | 50-70       |
| 5/16-24   | 100-140     |
| 3/8-24  | 160-190     |
| 7/16-20   | 450-500     |
| 1/2-20  | 480-690     |
| 9/16-18   | 800-1,000   |
| 5/8-18  | 1,100-1,300 |
| 3/4-16  | 2,300-2,500 |

| Wire Gauge | Max. Amp. Rating Circuit Breaker | Free Air Max. Amps. | Bundled Max. Amps. | Weight 1,000 Ft. | Outside Diameter |
|------------|----------------------------------|---------------------|--------------------|------------------|------------------|
| 24         |                                  |                     |                    | 2.57             | .045             |
| 22         | 5                                |                     |                    | 3.68             | .052             |
| 20         | 7.5                              | 11                  | 7.5                | 5.36             | .060             |
| 18         | 10                               | 16                  | 10                 | 7.89             | .071             |
| 16         | 15                               | 22                  | 13                 | 9.95             | .079             |
| 14         | 20                               | 32                  | 17                 | 14.90            | .093             |
| 12         | 30                               | 41                  | 23                 | 22.60            | .114             |
| 10         | 40                               | 55                  | 33                 | 35.10            | .139             |
| 8          | 50                               | 73                  | 46                 | 63.50            | .199             |
| 6          | 80                               | 101                 | 60                 | 99.90            | .250             |
| 4          | 100                              | 135                 | 80                 | 157.0            | .312             |
| 2          | 125                              | 181                 | 100                | 245.0            | .388             |

