

**Tap Drills Sizes for ISO, Unified and British Association with Metric, Inch and Decimal Equivalents**

| Fraction    | Decimal       | Metric        | Tap Size         | Fraction    | Decimal       | Metric        | Tap Size         | Fraction    | Decimal       | Metric         | Tap Size        | Fraction     | Decimal       | Metric         | Tap Size        |
|-------------|---------------|---------------|------------------|-------------|---------------|---------------|------------------|-------------|---------------|----------------|-----------------|--------------|---------------|----------------|-----------------|
| 80          | 0.0135        | 0.3429        |                  | 41          | 0.0960        | 2.4384        |                  | 4           | 0.2090        | 5.3086         |                 |              |               | <b>11.0000</b> | <b>M12x1.00</b> |
| 79          | 0.0145        | 0.3683        |                  | 40          | 0.0980        | 2.4892        |                  | 3           | 0.2130        | 5.4102         | 1/4-28UN        | <b>7/16</b>  | <b>0.4375</b> | <b>11.1125</b> | 1/4-18NPS       |
| 1/64        | 0.0156        | 0.3969        |                  |             |               | <b>2.5000</b> | <b>M3x0.5</b>    |             |               | <b>5.5000</b>  | <b>M6x0.5</b>   | 29/64        | 0.4531        | 11.5094        | 1/2-20 UN       |
| 78          | 0.0160        | 0.4064        |                  | 39          | 0.0995        | 2.5273        |                  | 7/32        | 0.2188        | 5.5563         |                 | 15/32        | 0.4688        | 11.9063        |                 |
| 77          | 0.0180        | 0.4572        |                  | 38          | 0.1015        | 2.5781        | 5-40 UN          | 2           | 0.2210        | 5.6134         |                 |              |               | <b>12.0000</b> | <b>M14x2.0</b>  |
|             |               | <b>0.5000</b> |                  |             |               | <b>2.6000</b> | <b>M3x0.35</b>   | 1           | 0.2280        | 5.7912         |                 | 31/64        | 0.4844        | 12.3031        | 9/16-12 UN      |
| 76          | 0.0200        | 0.5080        |                  | 37          | 0.1040        | 2.6416        | 5-44 UN          | A           | 0.2340        | 5.9436         |                 |              |               | <b>12.5000</b> | <b>M14x1.5</b>  |
| 75          | 0.0210        | 0.5334        |                  | 36          | 0.1065        | 2.7051        | 6-32 UN          | 15/64       | 0.2344        | 5.9531         |                 | <b>1/2</b>   | <b>0.5000</b> | <b>12.7000</b> |                 |
| 74          | 0.0225        | 0.5715        |                  |             |               | <b>2.7000</b> | <b>5BA</b>       |             |               | <b>6.0000</b>  | <b>M7x1.0</b>   | 33/64        | 0.5156        | 13.0969        | 9/16-18 UN      |
| 73          | 0.0240        | 0.6096        |                  | 7/64        | 0.1094        | 2.7781        |                  | B           | 0.2380        | 6.0452         |                 | 17/32        | 0.5313        | 13.4938        | 5/8-11 UN       |
| 72          | 0.0250        | 0.6350        |                  | 35          | 0.1100        | 2.7940        |                  | C           | 0.2420        | 6.1468         |                 |              |               | <b>13.5000</b> |                 |
| 71          | 0.0260        | 0.6604        |                  | 34          | 0.1110        | 2.8194        |                  |             |               | <b>6.2000</b>  | <b>M7x0.75</b>  | 35/64        | 0.5469        | 13.8906        |                 |
| 70          | 0.0280        | 0.7112        |                  | 33          | 0.1130        | 2.8702        | 6-40 UN          | D           | 0.2460        | 6.2484         |                 |              |               | <b>14.0000</b> | <b>M16x2.0</b>  |
| 69          | 0.0292        | 0.7417        |                  |             |               | <b>2.9000</b> | <b>M3.5x0.6</b>  | <b>1/4</b>  | <b>0.2500</b> | <b>6.3500</b>  |                 | <b>9/16</b>  | <b>0.5625</b> | <b>14.2875</b> |                 |
| 68          | 0.0310        | 0.7874        |                  | 32          | 0.1160        | 2.9464        |                  |             |               | <b>6.5000</b>  |                 |              |               | <b>14.5000</b> | <b>M16x1.5</b>  |
| 1/32        | 0.0313        | 0.7938        |                  |             |               | <b>3.0000</b> | <b>4BA</b>       | F           | 0.2570        | 6.5278         | 5/16-18 UN      | 37/64        | 0.5781        | 14.6844        | 5/8-18 UN       |
| 67          | 0.0320        | 0.8128        |                  | 31          | 0.1200        | 3.0480        |                  | G           | 0.2610        | 6.6294         |                 |              |               | <b>15.0000</b> | <b>M16x1.0</b>  |
| 66          | 0.0330        | 0.8382        |                  |             |               | <b>3.1000</b> | <b>M3.5x0.35</b> |             |               | <b>6.7000</b>  | <b>M8x1.25</b>  | 19/32        | 0.5938        | 15.0813        |                 |
| 65          | 0.0350        | 0.8890        |                  | <b>1/8</b>  | <b>0.1250</b> | <b>3.1750</b> |                  | 17/64       | 0.2656        | 6.7469         |                 | 39/64        | 0.6094        | 15.4781        |                 |
| 64          | 0.0360        | 0.9144        |                  | 30          | 0.1256        | 3.1909        |                  | H           | 0.2660        | 6.7564         |                 |              |               | <b>15.5000</b> | <b>M18x2.5</b>  |
| 63          | 0.0370        | 0.9398        |                  | 29          | 0.1266        | 3.2163        | 8-32,36 UN       | I           | 0.2720        | 6.9088         | 5/16-24 UN      | <b>5/8</b>   | <b>0.6250</b> | <b>15.8750</b> |                 |
| 62          | 0.0380        | 0.9652        |                  | 28          | 0.1286        | 3.2671        |                  |             |               | <b>7.0000</b>  | <b>M8x1.0</b>   |              |               | <b>16.0000</b> |                 |
| 61          | 0.0390        | 0.9906        |                  |             |               | <b>3.3000</b> | <b>M4x0.7</b>    | J           | 0.2770        | 7.0358         |                 | 41/64        | 0.6406        | 16.2719        |                 |
|             |               | <b>1.0000</b> |                  |             |               | <b>3.5000</b> | <b>M4x0.5</b>    | K           | 0.2810        | 7.1374         |                 |              |               | <b>16.5000</b> | <b>M18x1.5</b>  |
| 60          | 0.0400        | 1.0160        |                  |             |               | <b>3.5000</b> | <b>3BA</b>       | 9/32        | 0.2813        | 7.1438         |                 | 21/32        | 0.6563        | 16.6688        | 3/4-10 UN       |
| 59          | 0.0410        | 1.0414        |                  | 9/64        | 0.1406        | 3.5719        |                  |             |               | <b>7.2000</b>  | <b>M8x0.75</b>  |              |               | <b>17.0000</b> |                 |
| 58          | 0.0420        | 1.0668        |                  | 27          | 0.1440        | 3.6576        |                  | L           | 0.2900        | 7.3660         |                 | 43/64        | 0.6719        | 17.0656        |                 |
| 57          | 0.0430        | 1.0922        |                  |             |               | <b>3.7000</b> | <b>M4.5x0.75</b> | M           | 0.2950        | 7.4930         |                 | <b>11/16</b> | <b>0.6875</b> | <b>17.4625</b> | 3/4-16 UN       |
| 56          | 0.0465        | 1.1811        |                  | 26          | 0.1470        | 3.7338        |                  |             |               | <b>7.5000</b>  | <b>M8x0.5</b>   |              |               | <b>17.5000</b> | <b>M20x2.5</b>  |
| 3/64        | 0.0469        | 1.1906        | 0-80 UN          | 25          | 0.1495        | 3.7973        | 10-24UN          | 19/64       | 0.2969        | 7.5406         |                 | 45/64        | 0.7031        | 17.8594        |                 |
|             |               | <b>1.2500</b> | <b>M1.6x0.35</b> | 24          | 0.1520        | 3.8608        |                  | N           | 0.3020        | 7.6708         |                 |              |               | <b>18.0000</b> |                 |
| 55          | 0.0520        | 1.3208        |                  | 23          | 0.1540        | 3.9116        |                  | <b>5/16</b> | <b>0.3125</b> | <b>7.9375</b>  | 3/8-16 UN       | 23/32        | 0.7188        | 18.2563        | 1/2-14 NPS      |
| 54          | 0.0550        | 1.3970        | <b>10BA</b>      | 5/32        | 0.1563        | 3.9688        |                  |             |               | <b>8.0000</b>  | <b>M9x1.0</b>   |              |               | <b>18.5000</b> | <b>M20x1.5</b>  |
|             |               | <b>1.4000</b> | <b>M1.6x0.2</b>  | 22          | 0.1570        | 3.9878        |                  | O           | 0.3160        | 8.0264         |                 | 47/64        | 0.7344        | 18.6531        |                 |
|             |               | <b>1.4500</b> | <b>M1.8x0.35</b> |             |               | <b>4.0000</b> | <b>M4.5x0.5</b>  |             |               | <b>8.2000</b>  | <b>M9x0.75</b>  |              |               | <b>19.0000</b> |                 |
|             |               | <b>1.5000</b> | <b>9BA</b>       |             |               | <b>4.0000</b> | <b>2BA</b>       | P           | 0.3230        | 8.2042         |                 | <b>3/4</b>   | <b>0.7500</b> | <b>19.0500</b> |                 |
| 53          | 0.0595        | 1.5113        | 1-64,72 UN       | 21          | 0.1590        | 4.0386        | 10-32 UN         | 21/64       | 0.3281        | 8.3344         |                 | 49/64        | 0.7656        | 19.4469        | 7/8-9 UN        |
| <b>1/16</b> | <b>0.0625</b> | <b>1.5875</b> |                  | 20          | 0.1610        | 4.0894        |                  | Q           | 0.3320        | 8.4328         | 3/8-24 UN       |              |               | <b>19.5000</b> | <b>M22x2.5</b>  |
|             |               | <b>1.6000</b> | <b>M2x0.4</b>    |             |               | <b>4.2000</b> | <b>M5x0.7</b>    |             |               | <b>8.5000</b>  | <b>M10x1.5</b>  | 25/32        | 0.7813        | 19.8438        |                 |
|             |               | <b>1.6000</b> | <b>M1.8x0.2</b>  | 19          | 0.1660        | 4.2164        |                  | R           | 0.3390        | 8.6106         |                 |              |               | <b>20.0000</b> |                 |
| 52          | 0.0635        | 1.6129        |                  | 18          | 0.1695        | 4.3053        |                  |             |               | <b>8.7000</b>  | <b>M10x1.25</b> | 51/64        | 0.7969        | 20.2406        |                 |
| 51          | 0.0670        | 1.7018        |                  | 11/64       | 0.1719        | 4.3656        |                  | 11/32       | 0.3438        | 8.7313         | 1/8-27 NPS      |              |               | <b>20.5000</b> | <b>M22x1.5</b>  |
|             |               | <b>1.7500</b> | <b>M2.2x0.45</b> | 17          | 0.1730        | 4.3942        |                  | S           | 0.3480        | 8.8392         |                 | <b>13/16</b> | <b>0.8125</b> | <b>20.6375</b> | 7/8-14 UN       |
|             |               | <b>1.7500</b> | <b>M2x0.25</b>   | 16          | 0.1770        | 4.4958        | 12-24 UN         |             |               | <b>9.0000</b>  | <b>M10x1.0</b>  |              |               | <b>21.0000</b> | <b>M24x3.0</b>  |
|             |               | <b>1.7500</b> | <b>M1.8x0.2</b>  |             |               | <b>4.5000</b> | <b>M5x0.5</b>    | T           | 0.3580        | 9.0932         |                 | 53/64        | 0.8281        | 21.0344        |                 |
| 50          | 0.0700        | 1.7780        | 2-56,64 UN       |             |               | <b>4.5000</b> | <b>1BA</b>       | 23/64       | 0.3594        | 9.1281         |                 | 27/32        | 0.8438        | 21.4313        |                 |
|             |               | <b>1.8000</b> | <b>8BA</b>       | 15          | 0.1800        | 4.5720        |                  | U           | 0.3680        | 9.3472         | 7/16-14 UN      | 55/64        | 0.8594        | 21.8281        |                 |
| 49          | 0.0730        | 1.8542        |                  | 14          | 0.1820        | 4.6228        | 12-28 UN         |             |               | <b>9.5000</b>  |                 |              |               | <b>22.0000</b> | <b>M24x2.0</b>  |
| 48          | 0.0760        | 1.9304        |                  | 13          | 0.1850        | 4.6990        |                  | <b>3/8</b>  | <b>0.3750</b> | <b>9.5250</b>  |                 | <b>7/8</b>   | <b>0.8750</b> | <b>22.2250</b> | 1-8 UN          |
|             |               | <b>1.9500</b> | <b>M2.2x0.25</b> | <b>3/16</b> | <b>0.1875</b> | <b>4.7625</b> |                  | V           | 0.3770        | 9.5758         |                 | 57/64        | 0.8906        | 22.6219        |                 |
| 5/64        | 0.0781        | 1.9844        |                  | 12          | 0.1890        | 4.8006        |                  | W           | 0.3860        | 9.8044         |                 |              |               | <b>23.0000</b> |                 |
| 47          | 0.0785        | 1.9939        | 3-48 UN          | 11          | 0.1910        | 4.8514        |                  | 25/64       | 0.3906        | 9.9219         | 7/16-20 UN      | 29/32        | 0.9063        | 23.0188        |                 |
|             |               | <b>2.0000</b> | <b>M2.5x0.45</b> | 10          | 0.1935        | 4.9149        |                  |             |               | <b>10.0000</b> |                 | 59/64        | 0.9219        | 23.4156        | 1-12 UN         |
| 46          | 0.0810        | 2.0574        |                  | 9           | 0.1960        | 4.9784        |                  | X           | 0.3970        | 10.0838        |                 | <b>15/16</b> | <b>0.9375</b> | <b>23.8125</b> |                 |
| 45          | 0.0820        | 2.0828        | 3-56 UN          |             |               | <b>5.0000</b> | <b>M6x1.0</b>    |             |               | <b>10.2000</b> | <b>M12x1.75</b> |              |               | <b>24.0000</b> | <b>M27x3.0</b>  |
|             |               | <b>2.1000</b> | <b>M2.5x0.35</b> | 8           | 0.1990        | 5.0546        |                  | Y           | 0.4040        | 10.2616        |                 | 61/64        | 0.9531        | 24.2094        |                 |
|             |               | <b>2.1000</b> | <b>7BA</b>       | 7           | 0.2010        | 5.1054        | 1/4-20 UN        | 13/32       | 0.4063        | 10.3188        |                 | 31/32        | 0.9688        | 24.6063        |                 |
| 44          | 0.0860        | 2.1844        |                  | 13/64       | 0.2031        | 5.1594        |                  | Z           | 0.4130        | 10.4902        |                 |              |               | <b>25.0000</b> | <b>M27x2.0</b>  |
| 43          | 0.0890        | 2.2606        | 4-40 UN          | 6           | 0.2040        | 5.1816        |                  |             |               | <b>10.5000</b> | <b>M12x1.5</b>  | 63/64        | 0.9844        | 25.0031        | 1" 1/8-7        |
| 42          | 0.0935        | 2.3749        | 4-48 UN          | 5           | 0.2055        | 5.2197        |                  | 27/64       | 0.4219        | 10.7156        | 1/2-13 UN       | <b>1</b>     | <b>1.0000</b> | <b>25.4000</b> |                 |
| 3/32        | 0.0938        | 2.3813        | <b>6BA</b>       |             |               | <b>5.3000</b> | <b>M6x0.75</b>   |             |               | <b>10.8000</b> | <b>M12x1.25</b> |              |               |                |                 |