

| Screw Size | Major Diameter | Threads Per Inch | Minor Diameter | Tap Drill                                  |                |   |                | Clearance Drill |                |            |                |
|------------|----------------|------------------|----------------|--|----------------|---|----------------|-----------------|----------------|------------|----------------|
|            |                |                  |                | 75% Thread for Aluminum, Brass, & Plastics |                | 50% Thread for Steel, Stainless, & Iron |                | Close Fit       |                | Free Fit   |                |
|            |                |                  |                | Drill Size                                 | Decimal Equiv. | Drill Size                              | Decimal Equiv. | Drill Size      | Decimal Equiv. | Drill Size | Decimal Equiv. |
| 0          | .0600          | 80               | .0447          | 3/64                                       | .0469          | 55                                      | .0520          | 52              | .0635          | 50         | .0700          |
| 1          | .0730          | 64               | .0538          | 53   | .0595          | 1/16                                    | .0625          | 48              | .0760          | 46         | .0810          |
|            |                | 72               | .0560          | 53   | .0595          | 52                                      | .0635          |                 |                |            |                |
| 2          | .0860          | 56               | .0641          | 50   | .0700          | 49                                      | .0730          | 43              | .0890          | 41         | .0960          |
|            |                | 64               | .0668          | 50   | .0700          | 48                                      | .0760          |                 |                |            |                |
| 3          | .0990          | 48               | .0734          | 47   | .0785          | 44                                      | .0860          | 37              | .1040          | 35         | .1100          |
|            |                | 56               | .0771          | 45   | .0820          | 43                                      | .0890          |                 |                |            |                |
| 4          | .1120          | 40               | .0813          | 43   | .0890          | 41                                      | .0960          | 32              | .1160          | 30         | .1285          |
|            |                | 48               | .0864          | 42   | .0935          | 40                                      | .0980          |                 |                |            |                |
| 5          | .125           | 40               | .0943          | 38   | .1015          | 7/64                                    | .1094          | 30              | .1285          | 29         | .1360          |
|            |                | 44               | .0971          | 37   | .1040          | 35                                      | .1100          |                 |                |            |                |
| 6          | .138           | 32               | .0997          | 36   | .1065          | 32                                      | .1160          | 27              | .1440          | 25         | .1495          |
|            |                | 40               | .1073          | 33   | .1130          | 31                                      | .1200          |                 |                |            |                |
| 8          | .1640          | 32               | .1257          | 29   | .1360          | 27                                      | .1440          | 18              | .1695          | 16         | .1770          |
|            |                | 36               | .1299          | 29   | .1360          | 26                                      | .1470          |                 |                |            |                |
| 10         | .1900          | 24               | .1389          | 25   | .1495          | 20                                      | .1610          | 9               | .1960          | 7          | .2010          |
|            |                | 32               | .1517          | 21   | .1590          | 18                                      | .1695          |                 |                |            |                |
| 12         | .2160          | 24               | .1649          | 16   | .1770          | 12                                      | .1890          | 2               | .2210          | 1          | .2280          |
|            |                | 28               | .1722          | 14   | .1820          | 10                                      | .1935          |                 |                |            |                |
|            |                | 32               | .1777          | 13   | .1850          | 9                                       | .1960          |                 |                |            |                |
| 1/4        | .2500          | 20               | .1887          | 7  | .2010          | 7/32                                    | .2188          | F               | .2570          | H          | .2660          |
|            |                | 28               | .2062          | 3  | .2130          | 1                                       | .2280          |                 |                |            |                |
|            |                | 32               | .2117          | 7/32                                       | .2188          | 1                                       | .2280          |                 |                |            |                |
| 5/16       | .3125          | 18               | .2443          | F  | .2570          | J                                       | .2770          | P               | .3230          | Q          | .3320          |
|            |                | 24               | .2614          | I  | .2720          | 9/32                                    | .2812          |                 |                |            |                |
|            |                | 32               | .2742          | 9/32                                       | .2812          | L                                       | .2900          |                 |                |            |                |
| 3/8        | .3750          | 16               | .2983          | 5/16                                       | .3125          | Q                                       | .3320          | W               | .3860          | X          | .3970          |
|            |                | 24               | .3239          | Q  | .3320          | S                                       | .3480          |                 |                |            |                |
|            |                | 32               | .3367          | 11/32                                      | .3438          | T                                       | .3580          |                 |                |            |                |
| 7/16       | .4375          | 14               | .3499          | U  | .3680          | 25/64                                   | .3906          | 29/64           | .4531          | 15/32      | .4687          |
|            |                | 20               | .3762          | 25/64                                      | .3906          | 13/32                                   | .4062          |                 |                |            |                |
|            |                | 28               | .3937          | Y  | .4040          | Z                                       | .4130          |                 |                |            |                |
| 1/2        | .5000          | 13               | .4056          | 27/64                                      | .4219          | 29/64                                   | .4531          | 33/64           | .5156          | 17/32      | .5312          |
|            |                | 20               | .4387          | 29/64                                      | .4531          | 15/32                                   | .4688          |                 |                |            |                |
|            |                | 28               | .4562          | 15/32                                      | .4688          | 15/32                                   | .4688          |                 |                |            |                |
| 9/16       | .5625          | 12               | .4603          | 31/64                                      | .4844          | 33/64                                   | .5156          | 37/64           | .5781          | 19/32      | .5938          |
|            |                | 18               | .4943          | 33/64                                      | .5156          | 17/32                                   | .5312          |                 |                |            |                |
|            |                | 24               | .5114          | 33/64                                      | .5156          | 17/32                                   | .5312          |                 |                |            |                |
| 5/8        | .6250          | 11               | .5135          | 17/32                                      | .5312          | 9/16                                    | .5625          | 41/64           | .6406          | 21/32      | .6562          |
|            |                | 18               | .5568          | 37/64                                      | .5781          | 19/32                                   | .5938          |                 |                |            |                |
|            |                | 24               | .5739          | 37/64                                      | .5781          | 19/32                                   | .5938          |                 |                |            |                |
| 11/16      | .6875          | 24               | .6364          | 41/64                                      | .6406          | 21/32                                   | .6562          | 45/64           | .7031          | 23/32      | .7188          |
| 3/4        | .7500          | 10               | .6273          | 21/32                                      | .6562          | 11/16                                   | .6875          | 49/64           | .7656          | 25/32      | .7812          |
|            |                | 16               | .6733          | 11/16                                      | .6875          | 45/64                                   | .7031          |                 |                |            |                |
|            |                | 20               | .6887          | 45/64                                      | .7031          | 23/32                                   | .7188          |                 |                |            |                |
| 13/16      | .8125          | 20               | .7512          | 49/64                                      | .7656          | 25/32                                   | .7812          | 53/64           | .8281          | 27/32      | .8438          |
| 7/8        | .8750          | 9                | .7387          | 49/64                                      | .7656          | 51/64                                   | .7969          | 57/64           | .8906          | 29/32      | .9062          |
|            |                | 14               | .7874          | 13/16                                      | .8125          | 53/64                                   | .8281          |                 |                |            |                |
|            |                | 20               | .8137          | 53/64                                      | .8281          | 27/32                                   | .8438          |                 |                |            |                |
| 15/16      | .9375          | 20               | .8762          | 57/64                                      | .8906          | 29/32                                   | .9062          | 61/64           | .9531          | 31/32      | .9688          |
| 1          | 1.000          | 8                | .8466          | 7/8  | .8750          | 59/64                                   | .9219          | 1-1/64          | 1.0156         | 1-1/32     | 1.0313         |
|            |                | 12               | .8978          | 15/16                                      | .9375          | 61/64                                   | .9531          |                 |                |            |                |
|            |                | 20               | .9387          | 61/64                                      | .9531          | 31/32                                   | .9688          |                 |                |            |                |