



## DECIMAL EQUIVALENTS



| Size | Decimal Inches | Size  | Decimal Inches | Size  | Decimal Inches | Size  | Decimal Inches | Size  | Decimal Inches |
|------|----------------|-------|----------------|-------|----------------|-------|----------------|-------|----------------|
| 0.25 | .0098          | 2.05  | .0807          | 4.70  | .1850          | 8.40  | .3307          | 14.25 | .5610          |
| 0.30 | .0118          | #46   | .0810          | #13   | .1850          | Q     | .3320          | 9/16  | .5625          |
| #80  | .0135          | #45   | .0820          | 3/16  | .1875          | 8.50  | .3346          | 14.50 | .5709          |
| 0.35 | .0138          | 2.10  | .0827          | 4.80  | .1890          | 8.60  | .3386          | 37/64 | .5781          |
| #79  | .0145          | 2.15  | .0846          | #12   | .1890          | R     | .3390          | 14.75 | .5807          |
| 1/64 | .0156          | #44   | .0860          | #11   | .1910          | 8.70  | .3425          | 15.00 | .5906          |
| 0.40 | .0157          | 2.20  | .0866          | 4.90  | .1929          | 11/32 | .3437          | 19/32 | .5937          |
| #78  | .0160          | 2.25  | .0886          | #10   | .1935          | 8.80  | .3465          | 15.25 | .6004          |
| 0.45 | .0177          | #43   | .0890          | #9    | .1960          | S     | .3480          | 39/64 | .6094          |
| #77  | .0180          | 2.30  | .0905          | 5.00  | .1968          | 8.90  | .3504          | 15.50 | .6102          |
| 0.50 | .0197          | 2.35  | .0925          | #8    | .1990          | 9.00  | .3543          | 15.75 | .6201          |
| #76  | .0200          | #42   | .0935          | 5.10  | .2008          | T     | .3580          | 5/8   | .6250          |
| #75  | .0210          | 3/32  | .0937          | #7    | .2010          | 9.10  | .3583          | 16.00 | .6299          |
| 0.55 | .0217          | 2.40  | .0945          | 13/64 | .2031          | 23/64 | .3594          | 16.25 | .6398          |
| #74  | .0225          | #41   | .0960          | #6    | .2040          | 9.20  | .3622          | 41/64 | .6406          |
| 0.60 | .0236          | 2.45  | .0965          | 5.20  | .2047          | 9.30  | .3661          | 16.50 | .6496          |
| #73  | .0240          | #40   | .0980          | #5    | .2055          | U     | .3680          | 21/32 | .6562          |
| #72  | .0250          | 2.50  | .0984          | 5.30  | .2087          | 9.40  | .3701          | 16.75 | .6594          |
| 0.65 | .0256          | #39   | .0995          | #4    | .2090          | 9.50  | .3740          | 17.00 | .6693          |
| #71  | .0260          | 2.55  | .1004          | 5.40  | .2126          | 3/8   | .3750          | 43/64 | .6719          |
| 0.70 | .0276          | #38   | .1015          | #3    | .2130          | V     | .3770          | 17.25 | .6791          |
| #70  | .0280          | 2.60  | .1024          | 5.50  | .2165          | 9.60  | .3780          | 11/16 | .6875          |
| #69  | .0292          | #37   | .1040          | 7/32  | .2187          | 9.70  | .3819          | 17.50 | .6890          |
| 0.75 | .0295          | 2.65  | .1043          | 5.60  | .2205          | 9.80  | .3858          | 17.75 | .6988          |
| #68  | .0310          | 2.70  | .1063          | #2    | .2210          | W     | .3860          | 45/64 | .7031          |
| 1/32 | .0313          | #36   | .1065          | 5.70  | .2244          | 9.90  | .3898          | 18.00 | .7087          |
| 0.80 | .0315          | 2.75  | .1083          | #1    | .2280          | 25/64 | .3906          | 18.25 | .7185          |
| #67  | .0320          | 7/64  | .1093          | 5.80  | .2283          | 10.00 | .3937          | 23/32 | .7187          |
| #66  | .0330          | #35   | .1100          | 5.90  | .2323          | X     | .3970          | 18.50 | .7283          |
| 0.85 | .0335          | 2.80  | .1102          | A     | .2340          | 10.10 | .3976          | 47/64 | .7344          |
| #65  | .0350          | #34   | .1110          | 15/64 | .2344          | 10.20 | .4016          | 18.75 | .7382          |
| 0.90 | .0354          | 2.85  | .1122          | 6.00  | .2362          | Y     | .4040          | 19.00 | .7480          |
| #64  | .0360          | #33   | .1130          | B     | .2380          | 10.30 | .4055          | 3/4   | .7500          |
| #63  | .0370          | 2.90  | .1142          | 6.10  | .2401          | 13/32 | .4062          | 19.25 | .7579          |
| 0.95 | .0374          | #32   | .1160          | C     | .2420          | 10.40 | .4094          | 49/64 | .7656          |
| #62  | .0380          | 2.95  | .1161          | 6.20  | .2441          | Z     | .4130          | 19.50 | .7677          |
| #61  | .0390          | 3.00  | .1181          | D     | .2460          | 10.50 | .4134          | 19.75 | .7776          |
| 1.00 | .0394          | #31   | .1200          | 6.30  | .2480          | 10.60 | .4173          | 25/32 | .7812          |
| #60  | .0400          | 3.10  | .1220          | E-1/4 | .2500          | 10.70 | .4213          | 20.00 | .7874          |
| #59  | .0410          | 1/8   | .1250          | 6.40  | .2520          | 27/64 | .4219          | 51/64 | .7969          |
| 1.05 | .0413          | 3.20  | .1260          | 6.50  | .2559          | 10.80 | .4252          | 20.25 | .7972          |
| #58  | .0420          | #30   | .1285          | F     | .2570          | 10.90 | .4291          | 20.50 | .8071          |
| #57  | .0430          | 3.30  | .1299          | 6.60  | .2598          | 11.00 | .4330          | 13/16 | .8125          |
| 1.10 | .0433          | 3.40  | .1339          | G     | .2610          | 11.10 | .4370          | 20.75 | .8169          |
| 1.15 | .0453          | #29   | .1360          | 6.70  | .2638          | 7/16  | .4375          | 21.00 | .8268          |
| #56  | .0465          | 3.50  | .1378          | 17/64 | .2656          | 11.20 | .4409          | 53/64 | .8281          |
| 3/64 | .0469          | #28   | .1405          | H     | .2660          | 11.30 | .4449          | 21.25 | .8366          |
| 1.20 | .0472          | 9/64  | .1406          | 6.80  | .2677          | 11.40 | .4488          | 27/32 | .8437          |
| 1.25 | .0492          | 3.60  | .1417          | 6.90  | .2716          | 11.50 | .4528          | 21.50 | .8465          |
| 1.30 | .0512          | #27   | .1440          | I     | .2720          | 29/64 | .4531          | 21.75 | .8563          |
| #55  | .0520          | 3.70  | .1457          | 7.00  | .2756          | 11.60 | .4567          | 55/64 | .8594          |
| 1.35 | .0531          | #26   | .1470          | J     | .2770          | 11.70 | .4606          | 22.00 | .8661          |
| 1.40 | .0550          | #25   | .1495          | 7.10  | .2795          | 11.80 | .4646          | 7/8   | .8750          |
| #54  | .0550          | 3.80  | .1496          | K     | .2810          | 11.90 | .4685          | 22.25 | .8760          |
| 1.45 | .0571          | #24   | .1520          | 9/32  | .2812          | 15/32 | .4687          | 22.50 | .8858          |
| 1.50 | .0591          | 3.90  | .1535          | 7.20  | .2835          | 12.00 | .4724          | 57/64 | .8906          |
| #53  | .0595          | #23   | .1540          | 7.30  | .2874          | 12.10 | .4764          | 22.75 | .8957          |
| 1.55 | .0610          | 5/32  | .1562          | 2900  | .2900          | 12.20 | .4803          | 23.00 | .9055          |
| 1/16 | .0625          | #22   | .1570          | 7.40  | .2913          | 12.30 | .4843          | 29/32 | .9062          |
| 1.60 | .0629          | 4.00  | .1575          | M     | .2950          | 31/64 | .4843          | 23.25 | .9154          |
| #52  | .0635          | #21   | .1590          | 7.50  | .2953          | 12.40 | .4882          | 59/64 | .9219          |
| 1.65 | .0650          | #20   | .1610          | 19/64 | .2968          | 12.50 | .4921          | 23.50 | .9252          |
| 1.70 | .0669          | 4.10  | .1614          | 7.60  | .2992          | 12.60 | .4961          | 23.75 | .9350          |
| #51  | .0670          | 4.20  | .1654          | N     | .3020          | 12.70 | .5000          | 15/16 | .9375          |
| 1.75 | .0689          | #19   | .1660          | 7.70  | .3031          | 1/2   | .5000          | 24.00 | .9449          |
| #50  | .0700          | 4.30  | .1693          | 7.80  | .3071          | 12.80 | .5039          | 61/64 | .9531          |
| 1.80 | .0709          | #18   | .1695          | 7.90  | .3110          | 12.90 | .5079          | 24.25 | .9547          |
| 1.85 | .0730          | 11/64 | .1719          | 5/16  | .3125          | 13.00 | .5118          | 24.50 | .9646          |
| #49  | .0730          | #17   | .1730          | 8.00  | .3150          | 33/64 | .5156          | 31/32 | .9688          |
| 1.90 | .0748          | 4.40  | .1732          | O     | .3160          | 13.20 | .5197          | 24.75 | .9744          |
| #48  | .0760          | #16   | .1770          | 8.10  | .3189          | 17/32 | .5313          | 25.00 | .9843          |
| 1.95 | .0768          | 4.50  | .1771          | 8.20  | .3228          | 13.50 | .5315          | 63/64 | .9844          |
| 5/64 | .0781          | #15   | .1800          | P     | .3230          | 13.80 | .5433          | 1"    | 1.0000         |
| #47  | .0785          | 4.60  | .1811          | 8.30  | .3268          | 35/64 | .5469          |       |                |
| 2.00 | .0787          | #14   | .1820          | 21/64 | .3281          | 14.00 | .5512          |       |                |

## Tap Drill Sizes

(Drill sizes based on approximate 72-77% full thread)

| Tap Size     | Pitch Form | Tap Drill Size | Alt. Tap Drill | Tap Size                 | Pitch Form | Tap Drill Size | Alt. Tap Drill | Tap Size           | Pitch Form | Tap Drill Size | Alt. Tap Drill |
|--------------|------------|----------------|----------------|--------------------------|------------|----------------|----------------|--------------------|------------|----------------|----------------|
| Unified Taps |            |                |                | Taper Pipe Taps - NPT    |            |                |                | I.S.O. Metric Fine |            |                |                |
| 0            | 80 UNF     | 3/64           | 1.25           | 1/16                     | 27         | D              | 6.30           | 27                 | 3.00       | 24.00          | 61/64          |
| 1            | 64 UNC     | 53             | 1.55           | 1/8                      | 27         | R              | 8.70           | 30                 | 3.50       | 26.50          | 1-3/64         |
|              | 72 UNF     | 53             | 1.55           | 1/4                      | 18         | 7/16           | 11.10          | 33                 | 3.50       | 29.50          | 1-5/32         |
| 2            | 56 UNC     | 50             | 1.85           | 3/8                      | 18         | 37/64          | 14.50          | 36                 | 4.00       | 32.00          | 1-1/4          |
|              | 64 UNF     | 50             | 1.90           | 1/2                      | 14         | 23/32          | 18.00          | 39                 | 4.00       | 35.00          | 1-3/8          |
| 3            | 48 UNC     | 47             | 2.10           | 3/4                      | 14         | 59/64          | 23.25          | 3                  | 0.35       | 2.65           | 37             |
|              | 56 UNF     | 45             | 2.15           | 1                        | 11-1/2     | 1-5/32         | 29.00          | 4                  | 0.35       | 3.65           | 27             |
| 4            | 40 UNC     | 43             | 2.35           | 1-1/4                    | 11-1/2     | 1-1/2          | 38.00          | 4                  | 0.50       | 3.50           | 29             |
|              | 48 UNF     | 42             | 2.40           | 1-1/2                    | 11-1/2     | 1-47/64        | 44.00          | 4.5                | 0.45       | 4.05           | 21             |
| 5            | 40 UNC     | 38             | 2.65           | 2                        | 11-1/2     | 2-7/32         | 57.00          | 5                  | 0.50       | 4.50           | 16             |
|              | 44 UNF     | 37             | 2.70           | 2-1/2                    | 8          | 2-5/8          | 67.00          | 5                  | 0.70       | 4.30           | 18             |
| 6            | 32 UNC     | 36             | 2.85           | 3                        | 8          | 3-1/4          | 82.50          | 5                  | 0.75       | 4.25           | 18             |
|              | 40 UNF     | 33             | 2.95           | Straight Pipe Taps - NPS |            |                |                | 5.5                | 0.50       | 5.00           | 9              |
| 8            | 32 UNC     | 29             | 3.50           | 1/8                      | 27         | S              | 8.80           | 6                  | 0.50       | 5.50           | 7/32           |
|              | 36 UNF     | 29             | 3.50           | 1/4                      | 18         | 29/64          | 11.50          | 6                  | 0.75       | 5.25           | 5              |
| 10           | 24 UNC     | 25             | 3.90           | 3/8                      | 18         | 19/32          | 15.00          | 7                  | 0.75       | 6.25           | D              |
|              | 32 UNF     | 21             | 4.10           | 1/2                      | 14         | 47/64          | 18.50          | 8                  | 0.50       | 7.50           | M              |
| 12           | 24 UNC     | 16             | 4.50           | 3/4                      | 14         | 15/16          | 23.75          | 8                  | 1.00       | 7.00           | J              |
|              | 28 UNF     | 14             | 4.70           | 1                        | 11-1/2     | 1-3/16         | 30.25          | 9                  | 0.50       | 8.50           | Q              |
| 1/4          | 20 UNC     | 7              | 5.10           | 1-1/4                    | 11-1/2     | 1-33/64        | 38.50          | 9                  | 1.00       | 8.00           | O              |
|              | 28 UNF     | 3              | 5.50           | 1-1/2                    | 11-1/2     | 1-3/4          | 44.50          | 10                 | 0.50       | 9.50           | 3/8            |
| 5/16         | 18 UNC     | F              | 6.60           | 2                        | 11-1/2     | 2-7/32         | 57.00          | 10                 | 0.75       | 9.25           | U              |
|              | 24 UNF     | I              | 6.90           | I.S.O. Metric Coarse     |            |                |                | 10                 | 1.00       | 9.00           | T              |
| 3/8          | 16 UNC     | 5/16           | 8.00           | 1.6                      | 0.35       | 1.25           | 3/64           | 10                 | 1.25       | 8.75           | 11/32          |
|              | 24 UNF     | Q              | 8.50           | 1.7                      | 0.35       | 1.35           | 55             | 11                 | 1.00       | 10.00          | X              |
| 7/16         | 14 UNC     | U              | 9.40           | 1.8                      | 0.35       | 1.45           | 54             | 12                 | 1.00       | 11.00          | 7/16           |
|              | 20 UNF     | 25/64          | 9.90           | 2                        | 0.40       | 1.60           | 1/16           | 12                 | 1.25       | 10.75          | 27/64          |
| 1/2          | 13 UNC     | 27/64          | 10.80          | 2.2                      | 0.45       | 1.75           | 50             | 12                 | 1.50       | 10.50          | Z              |
|              | 20 UNF     | 29/64          | 11.50          | 2.3                      | 0.40       | 1.90           | 49             | 13                 | 1.50       | 11.50          | 29/64          |
| 9/16         | 12 UNC     | 31/64          | 12.20          | 2.5                      | 0.45       | 2.05           | 46             | 13                 | 1.75       | 11.25          | 7/16           |
|              | 18 UNF     | 33/64          | 12.90          | 2.6                      | 0.45       | 2.15           | 44             | 14                 | 1.25       | 12.75          | 1/2            |
| 5/8          | 11 UNC     | 17/32          | 13.50          | 3                        | 0.50       | 2.50           | 40             | 14                 | 1.50       | 12.50          | 31/64          |
|              | 18 UNF     | 37/64          | 14.50          | 3.5                      | 0.60       | 2.90           | 33             | 15                 | 1.50       | 13.50          | 17/32          |
| 3/4          | 10 UNC     | 21/32          | 16.50          | 4                        | 0.70       | 3.30           | 30             | 16                 | 1.00       | 15.00          | 19/32          |
|              | 16 UNF     | 11/16          | 17.50          | 4.5                      | 0.75       | 3.70           | 27             | 16                 | 1.25       | 14.75          | 37/64          |
| 7/8          | 9 UNC      | 49/64          | 19.50          | 5                        | 0.80       | 4.20           | 19             | 16                 | 1.50       | 14.50          | 9/16           |
|              | 14 UNF     | 13/16          | 20.40          | 5.5                      | 0.90       | 4.60           | 15             | 18                 | 1.00       | 17.00          | 43/64          |
| 1            | 8 UNC      | 7/8            | 22.25          | 6                        | 1.00       | 5.00           | 9              | 18                 | 1.25       | 16.75          | 21/32          |
|              | 12 UNF     | 59/64          | 23.25          | 7                        | 1.00       | 6.00           | 15/64          | 18                 | 1.50       | 16.50          | 41/64          |
| 1            | 14 UNS     | 15/16          | 23.50          | 8                        | 1.25       | 6.80           | H              | 18                 | 2.00       | 16.00          | 5/8            |
| 1-1/8        | 7 UNC      | 63/64          | 25.00          | 9                        | 1.25       | 7.80           | 5/16           | 20                 | 1.00       | 19.00          | 3/4            |
|              | 12 UNF     | 1-3/64         | 26.50          | 10                       | 1.50       | 8.50           | Q              | 20                 | 1.50       | 18.50          | 47/64          |
| 1-1/4        | 7 UNC      | 1-7/64         | 28.00          | 11                       | 1.50       | 9.50           | 3/8            | 20                 | 2.00       | 18.00          | 45/64          |
|              | 12 UNF     | 1-11/64        | 29.50          | 12                       | 1.75       | 10.20          | Y              | 22                 | 1.00       | 21.00          | 53/64          |
| 1-3/8        | 6 UNC      | 1-7/32         | 30.75          | 14                       | 2.00       | 12.00          | 15/32          | 22                 | 1.50       | 20.50          | 13/16          |
|              | 12 UNF     | 1-19/64        | 32.75          | 16                       | 2.00       | 14.00          | 35/64          | 22                 | 2.00       | 20.00          | 25/32          |
| 1-1/2        | 6 UNC      | 1-11/32        | 34.00          | 18                       | 2.50       | 15.50          | 39/64          | 24                 | 1.00       | 23.00          | 29/32          |
|              | 12 UNF     | 1-27/64        | 36.00          | 20                       | 2.50       | 17.50          | 11/16          | 24                 | 1.50       | 22.50          | 7/8            |
| 1-3/4        | 5 UNC      | 1-9/16         | 39.50          | 22                       | 2.50       | 19.50          | 49/64          | 24                 | 2.00       | 22.00          | 55/64          |
| 2            | 4-1/2 UNC  | 1-25/32        | 45.00          | 24                       | 3.00       | 21.00          | 53/64          | 24                 | 2.50       | 21.50          | 27/32          |

### USA

301 Industrial Avenue  
Crystal Lake, IL 60012  
800-877-3745  
Fax: 815-459-2804

### CANADA

2550 Meadowvale Blvd, Unit 3  
Mississauga, ON L5N 8C2  
905-542-3000  
En Français: 1-888-368-8457  
Fax: 905-542-7000

www.precisiondormer.com  
cs@precisiondormer.com