

Providing Metalforming Solutions to Industry Since 1929

## INCH / METRIC TAP DRILL SIZES & DECIMAL EQUIVALENTS

|   | <b>VC</b>       | H /                | V                                | 1ETR  | IC TAP                               | DRILL   | SI                | ZES  | & DEC  |
|---|-----------------|--------------------|----------------------------------|---|--------------------------------------|---|-------------------|--|--|
| T | D               | RILL SIZE          |                                  | DECIMAL<br>EQUIVALENT                                       | TAP SIZE                             | DRILL SIZE  |                   | DECIMAL<br>EQUIVALENT                                      | TAP SIZE   |
|   | <u>1</u><br>64  |                    | 80<br>79<br>78<br>77             | .0135<br>.0145<br>.0156<br>.0160<br>.0180                   |                                      | <u>13</u><br>64                                   | 10<br>9<br>8<br>7 | .1935<br>.1960<br>.1990<br>.2010<br>.2031                  | 1/4 - 20   |
|   |                 |                    | 76<br>75<br>74<br>73<br>72<br>71 | .0200<br>.0210<br>.0225<br>.0240<br>.0250<br>.0260          |                                      | 7 32  | 6<br>5<br>4<br>3  | .2040<br>.2055<br>.2090<br>.2130<br>.2188<br>.2210         | 1/4 - 28   |
|   |                 | <u>1</u> <u>32</u> | 70<br>69<br>68<br>67             | .0280<br>.0292<br>.0310<br>.0312<br>.0320                   |                                      | <u>15</u><br>64                                   | 1<br>A<br>B<br>C  | .2280<br>.2340<br>.2344<br>.2380<br>.2420                  |  |
|   |                 |                    | 66<br>65<br>64<br>63<br>62<br>61 | .0330<br>.0350<br>.0360<br>.0370<br>.0380<br>.0390          |                                      | 1<br>4<br>17<br>64                                | DE F G H          | .2460<br>.2500<br>.2570<br>.2610<br>.2656<br>.2660         | <sup>5</sup> /16 <b>- 18</b>   |
|   | 3               |                    | 60<br>59<br>58<br>57<br>56       | .0400<br>.0410<br>.0420<br>.0430<br>.0465                   |                                      | <u>9</u><br>32                                    | J<br>K            | .2720<br>.2770<br>.2810<br>.2812<br>.2900                  | <sup>5</sup> /16 - <b>24</b>   |
|   | 3<br>64         | <u>1</u><br>16     | 52                               | .0469<br>.0520<br>.0550<br>.0595<br>.0625<br>.0635          | 0 - 80<br>1 - 64, 72                 | 19<br>64<br>5<br>16                               | M<br>N<br>O<br>P  | .2950<br>.2969<br>.3020<br>.3125<br>.3160<br>.3230         | <sup>3</sup> /8 <b>-</b> 16  |
|   | <u>5</u><br>64  |                    | 51<br>50<br>49<br>48             | .0670<br>.0700<br>.0730<br>.0760<br>.0781                   | 2 - 56, 64                           | 21<br>64<br>11<br>32                              | Q<br>R<br>S       | .3281<br>.3320<br>.3390<br>.3438<br>.3480                  | <sup>3</sup> /8 <b>- 24</b>  |
|   |                 | 3                  | 47<br>46<br>45<br>44<br>43<br>42 | .0785<br>.0810<br>.0820<br>.0860<br>.0890<br>.0935          | 3 - 48<br>3 - 56<br>4 - 40<br>4 - 48 | 23<br>64<br>3<br>8                                | T<br>U<br>V<br>W  | .3580<br>.3594<br>.3680<br>.3750<br>.3770<br>.3860         | <sup>7</sup> /16 - 14  |
|   |                 | 32                 | 41<br>40<br>39<br>38<br>37<br>36 | .0938<br>.0960<br>.0980<br>.0995<br>.1015<br>.1040<br>.1065 | 5 - 40<br>5 - 44<br>6 - 32           | 25<br>64<br>13<br>32<br>27<br>64 7                | X<br>Y<br>Z       | .3906<br>.3970<br>.4040<br>.4062<br>.4130<br>.4219         | <sup>7</sup> /16 <b>- 20</b> 1/2 <b>- 13</b>   |
|   | 64              |                    | 35<br>34<br>33<br>32<br>31       | .1094<br>.1100<br>.1110<br>.1130<br>.1160<br>.1200          | 6 - 40                               | 29 16<br>64 15<br>31 32<br>64 1<br>33 2<br>64 17  |                   | .4375<br>.4531<br>.4688<br>.4844<br>.5000<br>.5156         | <sup>1</sup> / <sub>2</sub> - 20<br><sup>9</sup> / <sub>16</sub> - 12<br><sup>9</sup> / <sub>16</sub> - 18 |
|   | 9 64            | 8                  | 30<br>29<br>28                   | .1250<br>.1285<br>.1360<br>.1405<br>.1406<br>.1440          | 8 - 32, 36                           | 35 32<br>64 9<br>37 16<br>64 19<br>39 32<br>64 5  |                   | .5312<br>.5469<br>.5625<br>.5781<br>.5938<br>.6094         | <sup>5</sup> /8 - 11<br><sup>5</sup> /8 - 18   |
|   |                 | <u>5</u><br>32     | 26<br>25<br>24<br>23             | .1470<br>.1495<br>.1520<br>.1540<br>.1562                   | 10 - 24                              | 41 8<br>64 21<br>43 32<br>64 11                   |                   | .6250<br>.6406<br>.6562<br>.6719<br>.6875                  | <sup>3</sup> /4 - 10   |
|   | <u>11</u><br>64 |                    | 22<br>21<br>20<br>19<br>18       | .1570<br>.1590<br>.1610<br>.1660<br>.1695<br>.1719          | 10 - 32                              | 45 16<br>64 23<br>47 32<br>64 3<br>49 4<br>64 25  |                   | .7031<br>.7188<br>.7344<br>. <b>7500</b><br>.7656<br>.7812 | <sup>7</sup> /8 <b>-</b> 9   |
|   | 04              | 3                  | 17<br>16<br>15<br>14<br>13       | .1730<br>.1770<br>.1800<br>.1820<br>.1850                   | 12 - 24<br>12 - 28                   | 51 32<br>64 13<br>53 16<br>64 27<br>55 32<br>64 7 |                   | .7969<br>.8125<br>.8281<br>.8438<br>.8594                  | <sup>7</sup> /8 <b>- 14</b>  |
|   |                 | 16                 | 11                               | .1875<br>.1890<br>.1910                                     | Ohio                                 | 57 8<br>64 29<br>32                               |                   | .8750<br>.8906<br>.9062                                    | 1 - 8  |

| DRILL SIZE   | DECIMAL<br>EQUIVALENT      | TAP SIZE   |
|--|----------------------------|--|
| 59<br>64<br>61<br>61<br>64<br>31<br>63<br>32<br>64<br>1<br>13/64<br>17/64<br>11/8<br>11/64<br>11/8<br>11/4<br>11/9/64<br>11/32 |                            | 1 - 12<br>1 - 14<br>1 <sup>1</sup> / <sub>8</sub> - 7<br>1 <sup>1</sup> / <sub>8</sub> - 12<br>1 <sup>1</sup> / <sub>4</sub> - 7<br>1 <sup>1</sup> / <sub>4</sub> - 12<br>1 <sup>3</sup> / <sub>8</sub> - 6<br>1 <sup>3</sup> / <sub>8</sub> - 6 |
| 1 <sup>3</sup> / <sub>8</sub> — 1 <sup>3</sup> / <sub>8</sub> — 1 <sup>1</sup> / <sub>2</sub> —                                | 1.3750<br>1.4219<br>1.5000 | 1 <sup>1</sup> /2 - 12   |

| METOL                  |                | ZEQ.           |
|------------------------|----------------|----------------|
| METRIC TAP             | TAP DRILL SIZ  | DECIMAL (Inch) |
| M1.6 x 0.35            | 1.25           | .0492          |
| $M1.8 \times 0.35$     | 1.45           | .0571          |
| M2 x 0.4               | 1.60           | .0630          |
| M2.2 x 0.45            | 1.75           | .0689          |
| M2.5 x 0.45            | 2.05           | .0807          |
| M3 x 0.5               | 2.50           | .0984          |
| M3.5 x 0.6             | 2.90           | .1142          |
| M4 x 0.7               | 3.30           | .1299          |
| M4.5 x 0.75            | 3.70           | .1457          |
| M5 x 0.8               | 4.20           | .1654          |
| M6 x 1                 | 5.00           | .1968          |
| M7 x 1                 | 6.00           | .2362          |
| M8 x 1.25              | 6.70           | .2638          |
| M8 x 1.23              | 7.00           | .2756          |
| M10 x 1.5              | 8.50           | .3346          |
| M10 x 1.25             | 8.70           | .3425          |
| M12 x 1.75             | 10.20          | .4016          |
| M12 x 1.75             | 10.20          | .4252          |
| M12 x 1.23             | 12.00          | .4724          |
| M14 x 1.5              | 12.50          | .4921          |
| M16 x 2                | 14.00          | .5512          |
| M16 x 2<br>M16 x 1.5   | 14.50          | .5709          |
| M10 x 1.5<br>M18 x 2.5 | 15.50          | .6102          |
| M18 x 1.5              | 16.50          | .6496          |
|                        | 17.50          |                |
| M20 x 2.5<br>M20 x 1.5 | 17.50<br>18.50 | .6890<br>.7283 |
| M22 x 2.5              | 19.50          | .7263<br>.7677 |
| M22 x 2.5<br>M22 x 1.5 | 20.50          | .8071          |
|                        |                | -001           |
| M24 x 3                | 21.00          | .8268          |
| M24 x 2                | 22.00          | .8661          |
| M27 x 3<br>M27 x 2     | 24.00<br>25.00 | .9449<br>.9843 |
|                        |                |                |
| M30 x 3.5              | 26.50          | 1.0433         |
| M30 x 2                | 28.00<br>20.50 | 1.1024         |
| M33 x 3.5              | 29.50<br>24.00 | 1.1614         |
| M33 x 2                | 31.00          | 1.2205         |
| M36 x 4                | 32.00          | 1.2598         |
| M36 x 3                | 33.00          | 1.2992         |
| M39 x 4                | 35.00          | 1.3780         |
| M39 x 3                | 36.00          | 1.4173         |



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