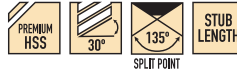


## Premium HSS Stub Drills



These Premium HSS drills can be used in a variety of applications. Their surface treatment increases abrasion resistance, which reduces the amount of chip welding and improves chip flow.



| Size  | Decimal Equivalent | Flute Length (in.) | Overall Length (in.) | Code No. | Price \$ |
|-------|--------------------|--------------------|----------------------|----------|----------|
| 60    | 0.0400             | 1/2                | 1-3/8                | 128399   | 2.24     |
| 59    | 0.0410             | 1/2                | 1-3/8                | 128398   | 2.24     |
| 58    | 0.0420             | 1/2                | 1-3/8                | 128397   | 2.24     |
| 57    | 0.0430             | 1/2                | 1-3/8                | 128396   | 2.24     |
| 56    | 0.0465             | 1/2                | 1-3/8                | 128395   | 2.24     |
| 55    | 0.0520             | 5/8                | 1-5/8                | 128394   | 2.24     |
| 54    | 0.0540             | 5/8                | 1-5/8                | 128393   | 2.24     |
| 53    | 0.0595             | 5/8                | 1-5/8                | 128392   | 2.24     |
| 1/16  | 0.0625             | 5/8                | 1-5/8                | 128310   | 2.23     |
| 52    | 0.0635             | 11-16              | 1-11/16              | 128391   | 2.24     |
| 51    | 0.0670             | 11-16              | 1-11/16              | 128390   | 2.24     |
| 50    | 0.0700             | 11/16              | 1-11/16              | 128389   | 2.24     |
| 49    | 0.0730             | 11/16              | 1-11/16              | 128388   | 2.24     |
| 48    | 0.0760             | 11/16              | 1-11/16              | 128387   | 2.24     |
| 5/64  | 0.0781             | 11/16              | 1-11/16              | 128311   | 2.23     |
| 47    | 0.0785             | 11/16              | 1-11/16              | 128386   | 2.24     |
| 46    | 0.0810             | 3/4                | 1-3/4                | 128385   | 2.24     |
| 45    | 0.0820             | 3/4                | 1-3/4                | 128384   | 2.24     |
| 44    | 0.0860             | 3/4                | 1-3/4                | 128383   | 2.24     |
| 43    | 0.0890             | 3/4                | 1-3/4                | 128382   | 2.24     |
| 42    | 0.0935             | 3/4                | 1-3/4                | 128381   | 2.24     |
| 3/32  | 0.0938             | 3/4                | 1-3/4                | 128312   | 2.23     |
| 41    | 0.0960             | 13/16              | 1-13/16              | 128380   | 2.24     |
| 40    | 0.0980             | 13/16              | 1-13/16              | 128379   | 2.20     |
| 39    | 0.0995             | 13/16              | 1-13/16              | 128378   | 2.20     |
| 38    | 0.1015             | 13/16              | 1-13/16              | 128377   | 2.20     |
| 37    | 0.1040             | 13/16              | 1-13/16              | 128376   | 2.20     |
| 36    | 0.1065             | 13/16              | 1-13/16              | 128375   | 2.20     |
| 7/64  | 0.1094             | 13/16              | 1-13/16              | 128313   | 2.23     |
| 35    | 0.1100             | 7/8                | 1-7/8                | 128374   | 2.20     |
| 34    | 0.1110             | 7/8                | 1-7/8                | 128373   | 2.20     |
| 33    | 0.1130             | 7/8                | 1-7/8                | 128372   | 2.20     |
| 32    | 0.1160             | 7/8                | 1-7/8                | 128371   | 2.20     |
| 31    | 0.1200             | 7/8                | 1-7/8                | 128370   | 2.20     |
| 1/8   | 0.1250             | 7/8                | 1-7/8                | 128314   | 2.23     |
| 30    | 0.1285             | 15/16              | 1-15/16              | 128369   | 2.20     |
| 29    | 0.1360             | 15/16              | 1-15/16              | 128368   | 2.20     |
| 28    | 0.1405             | 15/16              | 1-15/16              | 128367   | 2.20     |
| 9/64  | 0.1406             | 15/16              | 1-15/16              | 128315   | 2.45     |
| 27    | 0.1440             | 1                  | 2-1/16               | 128366   | 2.24     |
| 26    | 0.1470             | 1                  | 2-1/16               | 128365   | 2.24     |
| 25    | 0.1495             | 1                  | 2-1/16               | 128364   | 2.24     |
| 24    | 0.1520             | 1                  | 2-1/16               | 128363   | 2.24     |
| 23    | 0.1540             | 1                  | 2-1/16               | 128362   | 2.24     |
| 5/32  | 0.1562             | 1                  | 2-1/16               | 128316   | 2.62     |
| 22    | 0.1570             | 1-1/16             | 2-1/8                | 128361   | 2.24     |
| 21    | 0.1590             | 1-1/16             | 2-1/8                | 128360   | 2.24     |
| 20    | 0.1610             | 1-1/16             | 2-1/8                | 128359   | 2.45     |
| 19    | 0.1660             | 1-1/16             | 2-1/8                | 128358   | 2.45     |
| 18    | 0.1695             | 1-1/16             | 2-1/8                | 128357   | 2.45     |
| 11/64 | 0.1719             | 1-1/16             | 2-1/8                | 128317   | 2.66     |
| 17    | 0.1730             | 1-1/8              | 2-3/16               | 128356   | 2.66     |
| 16    | 0.1770             | 1-1/8              | 2-3/16               | 128355   | 2.66     |
| 15    | 0.1800             | 1-1/8              | 2-3/16               | 128354   | 2.66     |
| 14    | 0.1820             | 1-1/8              | 2-3/16               | 128353   | 2.66     |
| 13    | 0.1850             | 1-1/8              | 2-3/16               | 128352   | 2.66     |
| 3/16  | 0.1875             | 1-1/8              | 2-3/16               | 128318   | 2.90     |
| 12    | 0.1890             | 1-3/16             | 2-1/4                | 128351   | 2.66     |
| 11    | 0.1910             | 1-3/16             | 2-1/4                | 128350   | 2.66     |
| 10    | 0.1935             | 1-3/16             | 2-1/4                | 128349   | 2.66     |
| 9     | 0.1960             | 1-3/16             | 2-1/4                | 128348   | 2.66     |
| 8     | 0.1991             | 1-3/16             | 2-1/4                | 128347   | 2.66     |
| 7     | 0.2010             | 1-3/16             | 2-1/4                | 128346   | 2.66     |
| 13/64 | 0.2031             | 1-3/16             | 2-1/4                | 128319   | 3.43     |
| 6     | 0.2040             | 1-1/4              | 2-3/8                | 128345   | 3.29     |
| 5     | 0.2055             | 1-1/4              | 2-3/8                | 128344   | 3.29     |
| 4     | 0.2090             | 1-1/4              | 2-3/8                | 128343   | 3.29     |
| 3     | 0.2130             | 1-1/4              | 2-3/8                | 128342   | 3.29     |

| Size  | Decimal Equivalent | Flute Length (in.) | Overall Length (in.) | Code No. | Price \$ |
|-------|--------------------|--------------------|----------------------|----------|----------|
| 7/32  | 0.2188             | 1-1/4              | 2-3/8                | 128320   | 3.29     |
| 2     | 0.2210             | 1-5/16             | 2-7/16               | 128341   | 3.69     |
| 1     | 0.2280             | 1-5/16             | 2-7/16               | 128340   | 3.69     |
| A     | 0.2340             | 1-5/16             | 2-7/16               | 128410   | 3.17     |
| 15/64 | 0.2344             | 1-5/16             | 2-7/16               | 128321   | 3.31     |
| B     | 0.2380             | 1-3/8              | 2-1/2                | 128411   | 3.43     |
| C     | 0.2420             | 1-3/8              | 2-1/2                | 128412   | 3.43     |
| D     | 0.2460             | 1-3/8              | 2-1/2                | 128413   | 3.43     |
| 1/4   | 0.2500             | 1-3/8              | 2-1/2                | 128322   | 3.45     |
| E     | 0.2500             | 1-3/8              | 2-1/2                | 128414   | 3.43     |
| F     | 0.2570             | 1-7/16             | 2-5/8                | 128415   | 4.36     |
| G     | 0.2610             | 1-7/16             | 2-5/8                | 128416   | 4.95     |
| 17/64 | 0.2656             | 1-7/16             | 2-5/8                | 128323   | 4.62     |
| H     | 0.2660             | 1-1/2              | 2-11/16              | 128417   | 4.75     |
| I     | 0.2720             | 1-1/2              | 2-11/16              | 128418   | 4.88     |
| J     | 0.2770             | 1-1/2              | 2-11/16              | 128419   | 4.88     |
| K     | 0.2810             | 1-1/2              | 2-11/16              | 128420   | 5.21     |
| 9/32  | 0.2812             | 1-1/2              | 2-11/16              | 128324   | 4.95     |
| L     | 0.2900             | 1-9/16             | 2-3/4                | 128421   | 5.35     |
| M     | 0.2950             | 1-9/16             | 2-3/4                | 128422   | 5.30     |
| 19/64 | 0.2969             | 1-9/16             | 2-3/4                | 128325   | 5.35     |
| N     | 0.3020             | 1-5/8              | 2-13/16              | 128423   | 5.40     |
| 5/16  | 0.3125             | 1-5/8              | 2-13/16              | 128326   | 5.29     |
| O     | 0.3160             | 1-11/16            | 2-15/16              | 128424   | 6.44     |
| P     | 0.3230             | 1-11/16            | 2-15/16              | 128425   | 6.33     |
| 21/64 | 0.3281             | 1-11/16            | 2-15/16              | 128327   | 6.06     |
| Q     | 0.3320             | 1-11/16            | 2-15/16              | 128426   | 6.48     |
| R     | 0.3390             | 1-11/16            | 2-15/16              | 128427   | 6.72     |
| 11/32 | 0.3438             | 1-11/16            | 2-15/16              | 128328   | 6.06     |
| S     | 0.3480             | 1-3/4              | 3-1/16               | 128428   | 7.26     |
| T     | 0.3580             | 1-3/4              | 3-1/16               | 128429   | 7.12     |
| 23/64 | 0.3594             | 1-3/4              | 3-1/16               | 128329   | 6.72     |
| U     | 0.3680             | 1-13/16            | 3-1/8                | 128430   | 7.65     |
| 3/8   | 0.3750             | 1-13/16            | 3-1/8                | 128330   | 7.00     |
| V     | 0.3770             | 1-7/8              | 3-1/4                | 128431   | 8.34     |
| W     | 0.3860             | 1-7/8              | 3-1/4                | 128432   | 8.45     |
| 25/64 | 0.3906             | 1-7/8              | 3-1/4                | 128331   | 8.08     |
| X     | 0.3970             | 1-15/16            | 3-5/16               | 128434   | 9.46     |
| Y     | 0.4040             | 1-15/16            | 3-5/16               | 128435   | 9.24     |
| 13/32 | 0.4062             | 1-15/16            | 3-5/16               | 128332   | 8.45     |
| Z     | 0.4130             | 2                  | 3-3/8                | 128436   | 9.86     |
| 27/64 | 0.4219             | 2                  | 3-3/8                | 128333   | 8.98     |
| 7/16  | 0.4375             | 2-1/16             | 3-7/16               | 128334   | 9.73     |
| 29/64 | 0.4531             | 2-1/8              | 3-9/16               | 128335   | 10.42    |
| 15/32 | 0.4688             | 2-1/8              | 3-5/8                | 128336   | 11.78    |
| 31/64 | 0.4844             | 2-3/16             | 3-11/16              | 128337   | 11.72    |
| 1/2   | 0.5000             | 2-1/4              | 3-3/4                | 128338   | 12.47    |

## Stub Drills HSS



- 135° heavy duty split point



## Fractional Sizes

| Size (in.) | Decimal Equivalent | Flute Length (in.) | Overall Length (in.) | Code No. | Price \$ |
|------------|--------------------|--------------------|----------------------|----------|----------|
| 1/16       | 0.0625             | 5/8                | 1-5/8                | 118310   | 2.11     |
| 5/64       | 0.0781             | 11/16              | 1-11/16              | 118311   | 2.11     |
| 3/32       | 0.0938             | 3/4                | 1-3/4                | 118312   | 2.11     |
| 7/64       | 0.1094             | 13/16              | 1-13/16              | 118313   | 2.11     |
| 1/8        | 0.1250             | 7/8                | 1-7/8                | 118314   | 2.11     |
| 9/64       | 0.1406             | 15/16              | 1-15/16              | 118315   | 2.17     |
| 5/32       | 0.1562             | 1                  | 2-1/16               | 118316   | 2.31     |
| 11/64      | 0.1719             | 1-1/16             | 2-1/8                | 118317   | 2.53     |
| 3/16       | 0.1875             | 1-1/8              | 2-3/16               | 118318   | 2.56     |
| 13/64      | 0.2031             | 1-3/16             | 2-1/4                | 118319   | 3.05     |
| 7/32       | 0.2188             | 1-1/4              | 2-3/8                | 118320   | 3.08     |
| 15/64      | 0.2344             | 1-5/16             | 2-7/16               | 118321   | 3.20     |
| 1/4        | 0.2500             | 1-3/8              | 2-1/2                | 118322   | 3.31     |