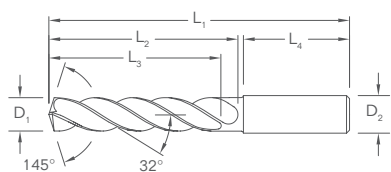




EXTERNAL COOLANT DRILLS FOR DEPTHS UP TO 5xD

SERIES 135 5xD


| TOLERANCES (inch) | | |
|-------------------|-------------------|----------------|
| DIAMETER | D ₁ | D ₂ |
| ≥ 1/8 - 1/4 | +0.0002 / +0.0006 | h6 |
| > 1/4 - 3/8 | +0.0002 / +0.0008 | h6 |
| > 3/8 - 3/4 | +0.0003 / +0.0010 | h6 |

| CUTTING DIAMETER D ₁ | DECIMAL EQUIVALENT | TAP SIZE REFERENCE ONLY | SHANK DIAMETER D ₂ mm | OVERALL LENGTH L ₁ mm | FLUTE LENGTH L ₂ mm | MIN. CLEARED LENGTH L ₃ mm | SHANK LENGTH L ₄ mm | EDP NUMBER |
|------------------------------------|--------------------|-------------------------|-------------------------------------|-------------------------------------|-----------------------------------|--|-----------------------------------|------------|
| 1/8 | 0.1250 | | 1/4 | 3 | 1 | 53/64 | 1-15/16 | 51580 |
| 30 | 0.1285 | | 1/4 | 3 | 1 | 53/64 | 1-15/16 | 51581 |
| 29 | 0.1360 | 8-32,8-36 | 1/4 | 3 | 1 | 53/64 | 1-15/16 | 51582 |
| 9/64 | 0.1406 | | 1/4 | 3 | 1 | 53/64 | 1-15/16 | 51583 |
| 25 | 0.1495 | 10-24 | 1/4 | 3-1/4 | 1-1/4 | 1-5/64 | 1-15/16 | 51584 |
| 5/32 | 0.1562 | | 1/4 | 3-1/4 | 1-1/4 | 1-5/64 | 1-15/16 | 51585 |
| 21 | 0.1590 | 10-32 | 1/4 | 3-1/4 | 1-1/4 | 1-5/64 | 1-15/16 | 51586 |
| 20 | 0.1610 | 13/64-24 | 1/4 | 3-1/4 | 1-1/4 | 1-5/64 | 1-15/16 | 51587 |
| 11/64 | 0.1719 | | 1/4 | 3-1/4 | 1-1/4 | 1-5/64 | 1-15/16 | 51588 |
| 3/16 | 0.1875 | | 1/4 | 3-1/4 | 1-3/4 | 1-37/64 | 1-7/16 | 51589 |
| 7 | 0.2010 | 1/4-20 | 1/4 | 3-1/4 | 1-3/4 | 1-37/64 | 1-7/16 | 51506 |
| 13/64 | 0.2031 | | 1/4 | 3-1/4 | 1-3/4 | 1-37/64 | 1-7/16 | 51507 |
| 5 | 0.2055 | | 1/4 | 3-1/4 | 1-3/4 | 1-37/64 | 1-7/16 | 51590 |
| 4 | 0.2090 | 1/4-24 | 1/4 | 3-1/4 | 1-3/4 | 1-37/64 | 1-7/16 | 51508 |
| 3 | 0.2130 | 1/4-28 | 1/4 | 3-1/4 | 1-3/4 | 1-37/64 | 1-7/16 | 51509 |
| 7/32 | 0.2188 | 1/4-32 | 1/4 | 3-1/4 | 1-3/4 | 1-37/64 | 1-7/16 | 51510 |
| 15/64 | 0.2344 | | 1/4 | 3-1/4 | 1-3/4 | 1-37/64 | 1-7/16 | 51591 |
| 1/4 | 0.2500 | | 1/4 | 3-5/8 | 2-5/64 | 1-51/64 | 1-7/16 | 51511 |
| F | 0.2570 | 5/16-18 | 5/16 | 3-5/8 | 2-5/64 | 1-51/64 | 1-7/16 | 51512 |
| 17/64 | 0.2656 | 5/16-20 | 5/16 | 3-5/8 | 2-5/64 | 1-51/64 | 1-7/16 | 51513 |
| I | 0.2720 | 5/16-24 | 5/16 | 3-5/8 | 2-5/64 | 1-51/64 | 1-7/16 | 51514 |
| 9/32 | 0.2812 | 5/16-32 | 5/16 | 3-5/8 | 2-5/64 | 1-51/64 | 1-7/16 | 51515 |
| 19/64 | 0.2969 | | 5/16 | 3-5/8 | 2-5/64 | 1-51/64 | 1-7/16 | 51516 |
| 5/16 | 0.3125 | 3/8-16 | 5/16 | 3-5/8 | 2-5/64 | 1-51/64 | 1-7/16 | 51517 |
| P | 0.3230 | | 3/8 | 4 | 2-13/32 | 2-1/8 | 1-9/16 | 51518 |
| 21/64 | 0.3281 | 3/8-20 | 3/8 | 4 | 2-13/32 | 2-1/8 | 1-9/16 | 51519 |
| Q | 0.3320 | 3/8-24 | 3/8 | 4 | 2-13/32 | 2-1/8 | 1-9/16 | 51520 |
| 11/32 | 0.3438 | 3/8-32 | 3/8 | 4 | 2-13/32 | 2-1/8 | 1-9/16 | 51521 |
| S | 0.3480 | | 3/8 | 4 | 2-13/32 | 2-1/8 | 1-9/16 | 51522 |
| 23/64 | 0.3594 | | 3/8 | 4 | 2-13/32 | 2-1/8 | 1-9/16 | 51523 |
| U | 0.3680 | 7/16-14 | 3/8 | 4 | 2-13/32 | 2-1/8 | 1-9/16 | 51524 |
| 3/8 | 0.3750 | | 3/8 | 4 | 2-13/32 | 2-1/8 | 1-9/16 | 51525 |
| W | 0.3860 | | 1/2 | 4 | 2-13/32 | 2-1/8 | 1-9/16 | 51526 |
| 25/64 | 0.3906 | 7/16-20 | 1/2 | 4 | 2-13/32 | 2-1/8 | 1-9/16 | 51527 |
| 13/32 | 0.4062 | | 1/2 | 4-11/16 | 2-3/4 | 2-23/64 | 1-49/64 | 51528 |
| 27/64 | 0.4219 | 1/2-13 | 1/2 | 4-11/16 | 2-3/4 | 2-23/64 | 1-49/64 | 51529 |
| 7/16 | 0.4375 | 1/4-18 NPT | 1/2 | 4-11/16 | 2-3/4 | 2-23/64 | 1-49/64 | 51530 |
| 29/64 | 0.4531 | 1/2-20 | 1/2 | 4-11/16 | 2-3/4 | 2-23/64 | 1-49/64 | 51531 |
| 15/32 | 0.4688 | 1/2-28 | 1/2 | 4-11/16 | 2-3/4 | 2-23/64 | 1-49/64 | 51532 |
| 31/64 | 0.4844 | 9/16-12 | 1/2 | 4-7/8 | 3-1/32 | 2-19/32 | 1-49/64 | 51533 |
| 1/2 | 0.5000 | | 1/2 | 4-7/8 | 3-1/32 | 2-19/32 | 1-49/64 | 51534 |
| 33/64 | 0.5156 | 9/16-18 | 5/8 | 4-7/8 | 3-1/32 | 2-19/32 | 1-49/64 | 51535 |