

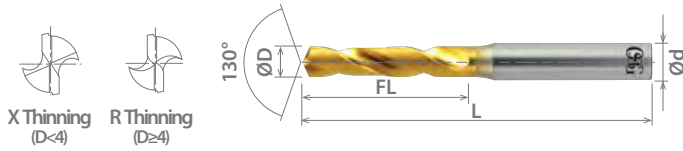


List 1000

EX-GOLD EX-GDS

| | | | | | | |
|--------------------------|---------------|------------|----------------|-------------|------------|--------------------------|
| SPEED FEED 352 | HSS-Co | TiN | 2 FLUTE | STUB | 25° | PACKED 1 PIECE |
|--------------------------|---------------|------------|----------------|-------------|------------|--------------------------|

| Cutting Diameter Tolerance (h8) | | |
|---------------------------------|-------------|--------------|
| Size (mm) | mm | inch |
| 1.99 ≤ D ≤ 3 | +0 / -0.014 | +0 / -0.0006 |
| 3 < D ≤ 6 | +0 / -0.018 | +0 / -0.0007 |
| 6 < D ≤ 10 | +0 / -0.022 | +0 / -0.0009 |
| 10 < D ≤ 12.7 | +0 / -0.027 | +0 / -0.0011 |



| EDP Number | ● | Diameter (D) | | | | | Flute Length | Overall Length | Shank Diameter |
|------------|---|-----------------|-----------|-------------|-------|---------|--------------|----------------|----------------|
| | | Fractional Size | Wire Gage | Letter Size | mm | Inch | FL (mm) | L (mm) | d (in) |
| 10078505 | ● | - | 47 | - | 1.994 | 0.07850 | 17.00 | 33.00 | 0.125 |
| 10081005 | ● | - | 46 | - | 2.057 | 0.08100 | 19.00 | 50.00 | 0.125 |
| 10082005 | ● | - | 45 | - | 2.083 | 0.08200 | 19.00 | 50.00 | 0.125 |
| 10086005 | ● | - | 44 | - | 2.184 | 0.08600 | 19.00 | 50.00 | 0.125 |
| 10089005 | ● | - | 43 | - | 2.261 | 0.08900 | 19.00 | 50.00 | 0.125 |
| 10093505 | ● | - | 42 | - | 2.375 | 0.09350 | 19.00 | 50.00 | 0.125 |
| 10093805 | ● | 3/32 | - | - | 2.381 | 0.09375 | 19.00 | 50.00 | 0.125 |
| 10096005 | ● | - | 41 | - | 2.438 | 0.09600 | 20.00 | 52.00 | 0.125 |
| 10098005 | ● | - | 40 | - | 2.489 | 0.09800 | 20.00 | 52.00 | 0.125 |
| 10099505 | ● | - | 39 | - | 2.527 | 0.09950 | 20.00 | 57.00 | 0.188 |
| 10101505 | ● | - | 38 | - | 2.578 | 0.10150 | 20.00 | 57.00 | 0.188 |
| 10104005 | ● | - | 37 | - | 2.642 | 0.10400 | 20.00 | 57.00 | 0.188 |
| 10106505 | ● | - | 36 | - | 2.705 | 0.10650 | 20.00 | 57.00 | 0.188 |
| 10109405 | ● | 7/64 | - | - | 2.778 | 0.10938 | 20.00 | 57.00 | 0.188 |
| 10110005 | ● | - | 35 | - | 2.794 | 0.11000 | 22.00 | 58.00 | 0.188 |
| 10111005 | ● | - | 34 | - | 2.819 | 0.11100 | 22.00 | 58.00 | 0.188 |
| 10113005 | ● | - | 33 | - | 2.870 | 0.11300 | 22.00 | 58.00 | 0.188 |
| 10116005 | ● | - | 32 | - | 2.946 | 0.11600 | 22.00 | 58.00 | 0.188 |
| 10120005 | ● | - | 31 | - | 3.048 | 0.12000 | 22.00 | 58.00 | 0.188 |
| 10125005 | ● | 1/8 | - | - | 3.175 | 0.12500 | 22.00 | 58.00 | 0.188 |
| 10128505 | ● | - | 30 | - | 3.264 | 0.12850 | 23.00 | 60.00 | 0.188 |
| 10136005 | ● | - | 29 | - | 3.454 | 0.13600 | 23.00 | 60.00 | 0.188 |
| 10140505 | ● | - | 28 | - | 3.569 | 0.14050 | 23.00 | 60.00 | 0.188 |
| 10140605 | ● | 9/64 | - | - | 3.572 | 0.14063 | 23.00 | 60.00 | 0.188 |
| 10144005 | ● | - | 27 | - | 3.658 | 0.14400 | 25.00 | 61.00 | 0.188 |
| 10147005 | ● | - | 26 | - | 3.734 | 0.14700 | 25.00 | 61.00 | 0.188 |
| 10149505 | ● | - | 25 | - | 3.797 | 0.14950 | 25.00 | 61.00 | 0.188 |
| 10152005 | ● | - | 24 | - | 3.861 | 0.15200 | 25.00 | 61.00 | 0.188 |
| 10154005 | ● | - | 23 | - | 3.912 | 0.15400 | 25.00 | 61.00 | 0.188 |
| 10156205 | ● | 5/32 | - | - | 3.969 | 0.15625 | 25.00 | 61.00 | 0.188 |
| 10157005 | ● | - | 22 | - | 3.988 | 0.15700 | 26.00 | 63.00 | 0.188 |
| 10159005 | ● | - | 21 | - | 4.039 | 0.15900 | 26.00 | 63.00 | 0.188 |
| 10161005 | ● | - | 20 | - | 4.089 | 0.16100 | 26.00 | 63.00 | 0.188 |
| 10166005 | ● | - | 19 | - | 4.216 | 0.16600 | 26.00 | 63.00 | 0.188 |
| 10169505 | ● | - | 18 | - | 4.305 | 0.16950 | 26.00 | 63.00 | 0.188 |
| 10171905 | ● | 11/64 | - | - | 4.366 | 0.17188 | 26.00 | 63.00 | 0.188 |
| 10173005 | ● | - | 17 | - | 4.394 | 0.17300 | 28.00 | 65.00 | 0.188 |
| 10177005 | ● | - | 16 | - | 4.496 | 0.17700 | 28.00 | 65.00 | 0.188 |
| 10180005 | ● | - | 15 | - | 4.572 | 0.18000 | 28.00 | 65.00 | 0.188 |
| 10182005 | ● | - | 14 | - | 4.623 | 0.18200 | 28.00 | 65.00 | 0.188 |
| 10185005 | ● | - | 13 | - | 4.699 | 0.18500 | 28.00 | 65.00 | 0.188 |
| 10187505 | ● | 3/16 | - | - | 4.763 | 0.18750 | 28.00 | 65.00 | 0.188 |
| 10189005 | ● | - | 12 | - | 4.801 | 0.18900 | 30.00 | 76.00 | 0.250 |
| 10191005 | ● | - | 11 | - | 4.851 | 0.19100 | 30.00 | 76.00 | 0.250 |
| 10193505 | ● | - | 10 | - | 4.915 | 0.19350 | 30.00 | 76.00 | 0.250 |
| 10196005 | ● | - | 9 | - | 4.978 | 0.19600 | 30.00 | 76.00 | 0.250 |
| 10199005 | ● | - | 8 | - | 5.055 | 0.19900 | 30.00 | 76.00 | 0.250 |
| 10201005 | ● | - | 7 | - | 5.105 | 0.20100 | 30.00 | 76.00 | 0.250 |
| 10203105 | ● | 13/64 | - | - | 5.159 | 0.20313 | 30.00 | 76.00 | 0.250 |
| 10204005 | ● | - | 6 | - | 5.182 | 0.20400 | 31.00 | 77.00 | 0.250 |
| 10205505 | ● | - | 5 | - | 5.220 | 0.20550 | 31.00 | 77.00 | 0.250 |
| 10209005 | ● | - | 4 | - | 5.309 | 0.20900 | 31.00 | 77.00 | 0.250 |

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked





List 1000 (Continued)

EX-GOLD EX-GDS

| | | | | | | |
|--------------------------|---------------|------------|----------------|-------------|------------|--------------------------|
| SPEED FEED 352 | HSS-Co | TiN | 2 FLUTE | STUB | 25° | PACKED 1 PIECE |
|--------------------------|---------------|------------|----------------|-------------|------------|--------------------------|

| EDP Number | | Diameter (D) | | | | | Flute Length | Overall Length | Shank Diameter |
|------------|---|-----------------|-----------|-------------|--------|---------|--------------|----------------|----------------|
| | | Fractional Size | Wire Gage | Letter Size | mm | Inch | FL (mm) | L (mm) | d (in) |
| 10213005 | ● | - | 3 | - | 5.410 | 0.21300 | 31.00 | 77.00 | 0.250 |
| 10218805 | ● | 7/32 | - | - | 5.556 | 0.21875 | 31.00 | 77.00 | 0.250 |
| 10221005 | ● | - | 2 | - | 5.613 | 0.22100 | 33.00 | 79.00 | 0.250 |
| 10228005 | ● | - | 1 | - | 5.791 | 0.22800 | 33.00 | 79.00 | 0.250 |
| 10234005 | ● | - | - | A | 5.944 | 0.23400 | 33.00 | 79.00 | 0.250 |
| 10234405 | ● | 15/64 | - | - | 5.953 | 0.23438 | 33.00 | 79.00 | 0.250 |
| 10238005 | ● | - | - | B | 6.045 | 0.23800 | 34.00 | 80.00 | 0.250 |
| 10242005 | ● | - | - | C | 6.147 | 0.24200 | 34.00 | 80.00 | 0.250 |
| 10246005 | ● | - | - | D | 6.248 | 0.24600 | 34.00 | 80.00 | 0.250 |
| 10250005 | ● | 1/4 | - | E | 6.350 | 0.25000 | 34.00 | 80.00 | 0.250 |
| 10257005 | ● | - | - | F | 6.528 | 0.25700 | 36.00 | 82.00 | 0.375 |
| 10261005 | ● | - | - | G | 6.629 | 0.26100 | 36.00 | 82.00 | 0.375 |
| 10265605 | ● | 17/64 | - | - | 6.747 | 0.26563 | 36.00 | 82.00 | 0.375 |
| 10272005 | ● | - | - | I | 6.909 | 0.27200 | 38.00 | 84.00 | 0.375 |
| 10277005 | ● | - | - | J | 7.036 | 0.27700 | 38.00 | 84.00 | 0.375 |
| 10281205 | ● | 9/32 | - | - | 7.144 | 0.28125 | 38.00 | 84.00 | 0.375 |
| 10290005 | ● | - | - | L | 7.366 | 0.29000 | 39.00 | 85.00 | 0.375 |
| 10295005 | ● | - | - | M | 7.493 | 0.29500 | 39.00 | 85.00 | 0.375 |
| 10296905 | ● | 19/64 | - | - | 7.541 | 0.29688 | 39.00 | 85.00 | 0.375 |
| 10302005 | ● | - | - | N | 7.671 | 0.30200 | 41.00 | 87.00 | 0.375 |
| 10312505 | ● | 5/16 | - | - | 7.938 | 0.31250 | 41.00 | 87.00 | 0.375 |
| 10316005 | ● | - | - | O | 8.026 | 0.31600 | 42.00 | 88.00 | 0.375 |
| 10323005 | ● | - | - | P | 8.204 | 0.32300 | 42.00 | 88.00 | 0.375 |
| 10328105 | ● | 21/64 | - | - | 8.334 | 0.32813 | 42.00 | 88.00 | 0.375 |
| 10332005 | ● | - | - | Q | 8.433 | 0.33200 | 42.00 | 88.00 | 0.375 |
| 10339005 | ● | - | - | R | 8.611 | 0.33900 | 42.00 | 88.00 | 0.375 |
| 10343805 | ● | 11/32 | - | - | 8.731 | 0.34375 | 42.00 | 88.00 | 0.375 |
| 10348005 | ● | - | - | S | 8.839 | 0.34800 | 44.00 | 90.00 | 0.375 |
| 10358005 | ● | - | - | T | 9.093 | 0.35800 | 44.00 | 90.00 | 0.375 |
| 10359405 | ● | 23/64 | - | - | 9.128 | 0.35938 | 44.00 | 90.00 | 0.375 |
| 10368005 | ● | - | - | U | 9.347 | 0.36800 | 46.00 | 92.00 | 0.375 |
| 10375005 | ● | 3/8 | - | - | 9.525 | 0.37500 | 46.00 | 92.00 | 0.375 |
| 10377005 | ● | - | - | V | 9.576 | 0.37700 | 47.00 | 100.00 | 0.500 |
| 10386005 | ● | - | - | W | 9.804 | 0.38600 | 47.00 | 100.00 | 0.500 |
| 10390605 | ● | 25/64 | - | - | 9.922 | 0.39063 | 47.00 | 100.00 | 0.500 |
| 10397005 | ● | - | - | X | 10.084 | 0.39700 | 49.00 | 102.00 | 0.500 |
| 10404005 | ● | - | - | Y | 10.262 | 0.40400 | 49.00 | 102.00 | 0.500 |
| 10406205 | ● | 13/32 | - | - | 10.319 | 0.40625 | 49.00 | 102.00 | 0.500 |
| 10413005 | ● | - | - | Z | 10.490 | 0.41300 | 50.00 | 103.00 | 0.500 |
| 10421905 | ● | 27/64 | - | - | 10.716 | 0.42188 | 50.00 | 103.00 | 0.500 |
| 10437505 | ● | 7/16 | - | - | 11.113 | 0.43750 | 52.00 | 105.00 | 0.500 |
| 10453105 | ● | 29/64 | - | - | 11.509 | 0.45313 | 53.00 | 107.00 | 0.500 |
| 10468805 | ● | 15/32 | - | - | 11.906 | 0.46875 | 53.00 | 107.00 | 0.500 |
| 10484405 | ● | 31/64 | - | - | 12.303 | 0.48438 | 55.00 | 108.00 | 0.500 |
| 10500005 | ● | 1/2 | - | - | 12.700 | 0.50000 | 57.00 | 110.00 | 0.500 |

● Stocked ○ Available Upon Request; MOQ May Apply ▲ Globally Stocked



| P | | | | | M | | | K | N | | S | | H | | | |
|--------------|--------|------|-------------|-----------|-----------------|-----|---------|-----------|-------------|---------|--------------|----------------|----------------|----------------|-----------|-----------|
| Steel | | | | | Stainless Steel | | | Cast Iron | Non-Ferrous | | HRSA | | Hardened Steel | | | |
| Carbon Steel | | | Alloy Steel | Die Steel | | | | | Aluminum | | Nickel Alloy | Titanium | | | | |
| Low | Medium | High | | | | | | | 6061 | Casting | | | Inconel | 6Al4V (30 HRC) | ~35 HRC | 35-45 HRC |
| 1010 | 1035 | 1065 | 4140 | 4340 | 300 | 400 | 17-4 PH | 6061 | 7075 | Casting | Inconel | 6Al4V (30 HRC) | ~35 HRC | 35-45 HRC | 45-50 HRC | 50-70 HRC |
| ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |

○ Good ○ Best

