

# Micro drill

# Exclusive Line®

### Application Materials:



Super-A™ coated



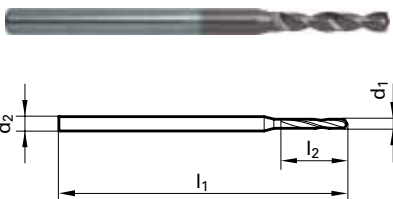
External Coolant



Reinforced Straight Shank

**Carbide, micro-precision drill, 140° 4-facet ground hone point, reinforced straight shank, RH helix**

Cut Dia. = m7 tolerance range, Shank Dia. = h6



- General Steels/Brass
- Universal Steels
- Stainless Steels
- Cast Iron
- Ti & Ni Alloys
- Aluminum & Alloys

Speeds & Feeds pg 496

## Series 6400 (4xD)

## Series 6401 (7xD)

| Diameter (d1) |             | Wire / letter | mm    | d2 mm | l1 mm | l2 mm | EDP #         |
|---------------|-------------|---------------|-------|-------|-------|-------|---------------|
| Dec. inch     | Fract. inch |               |       |       |       |       |               |
| 0.0197        |             |               | 0.500 | 3.000 | 47.00 | 3.00  | 9064000005000 |
| 0.0217        |             |               | 0.550 | 3.000 | 47.00 | 3.30  | 9064000005500 |
| 0.0236        |             |               | 0.600 | 3.000 | 47.00 | 3.60  | 9064000006000 |
| 0.0256        |             |               | 0.650 | 3.000 | 47.00 | 3.90  | 9064000006500 |
| 0.0276        |             |               | 0.700 | 3.000 | 47.00 | 4.20  | 9064000007000 |
| 0.0295        |             |               | 0.750 | 3.000 | 47.00 | 4.50  | 9064000007500 |
| 0.0315        |             |               | 0.800 | 3.000 | 47.00 | 4.80  | 9064000008000 |
| 0.0335        |             |               | 0.850 | 3.000 | 47.00 | 5.10  | 9064000008500 |
| 0.0354        |             |               | 0.900 | 3.000 | 47.00 | 5.40  | 9064000009000 |
| 0.0374        |             |               | 0.950 | 3.000 | 47.00 | 5.70  | 9064000009500 |
| 0.0394        |             |               | 1.000 | 3.000 | 47.00 | 6.00  | 9064000010000 |
| 0.0413        |             |               | 1.050 | 3.000 | 47.00 | 6.30  | 9064000010500 |
| 0.0433        |             |               | 1.100 | 3.000 | 47.00 | 6.60  | 9064000011000 |
| 0.0453        |             |               | 1.150 | 3.000 | 47.00 | 6.90  | 9064000011500 |
| 0.0472        |             |               | 1.200 | 3.000 | 47.00 | 7.20  | 9064000012000 |
| 0.0492        |             |               | 1.250 | 3.000 | 47.00 | 7.50  | 9064000012500 |
| 0.0512        |             |               | 1.300 | 3.000 | 47.00 | 7.80  | 9064000013000 |
| 0.0531        |             |               | 1.350 | 3.000 | 47.00 | 8.10  | 9064000013500 |
| 0.0551        |             | 54            | 1.400 | 3.000 | 47.00 | 8.40  | 9064000014000 |
| 0.0571        |             |               | 1.450 | 3.000 | 47.00 | 8.70  | 9064000014500 |
| 0.0591        |             |               | 1.500 | 3.000 | 47.00 | 9.00  | 9064000015000 |
| 0.0610        |             |               | 1.550 | 3.000 | 47.00 | 9.30  | 9064000015500 |
| 0.0626        | 1/16        |               | 1.590 | 3.000 | 47.00 | 9.60  | 9064000015900 |
| 0.0630        |             |               | 1.600 | 3.000 | 47.00 | 9.60  | 9064000016000 |
| 0.0650        |             |               | 1.650 | 3.000 | 47.00 | 9.90  | 9064000016500 |
| 0.0669        |             | 51            | 1.700 | 3.000 | 47.00 | 10.20 | 9064000017000 |
| 0.0689        |             |               | 1.750 | 3.000 | 47.00 | 10.50 | 9064000017500 |
| 0.0709        |             |               | 1.800 | 3.000 | 52.00 | 10.80 | 9064000018000 |
| 0.0728        |             | 49            | 1.850 | 3.000 | 52.00 | 11.10 | 9064000018500 |
| 0.0748        |             |               | 1.900 | 3.000 | 52.00 | 11.40 | 9064000019000 |
| 0.0768        |             |               | 1.950 | 3.000 | 52.00 | 11.70 | 9064000019500 |
| 0.0780        |             | 5/64          | 1.980 | 4.000 | 59.00 | 12.00 | 9064000019800 |
| 0.0787        |             |               | 2.000 | 4.000 | 59.00 | 12.00 | 9064000020000 |
| 0.0807        |             |               | 2.050 | 4.000 | 59.00 | 12.30 | 9064000020500 |
| 0.0827        |             |               | 2.100 | 4.000 | 59.00 | 12.60 | 9064000021000 |
| 0.0846        |             |               | 2.150 | 4.000 | 59.00 | 12.90 | 9064000021500 |
| 0.0866        |             |               | 2.200 | 4.000 | 59.00 | 13.20 | 9064000022000 |
| 0.0886        |             |               | 2.250 | 4.000 | 59.00 | 13.50 | 9064000022500 |
| 0.0906        |             |               | 2.300 | 4.000 | 59.00 | 13.80 | 9064000023000 |
| 0.0925        |             |               | 2.350 | 4.000 | 59.00 | 14.10 | 9064000023500 |
| 0.0937        |             | 3/32          | 2.380 | 4.000 | 59.00 | 14.40 | 9064000023800 |
| 0.0945        |             |               | 2.400 | 4.000 | 59.00 | 14.40 | 9064000024000 |
| 0.0965        |             |               | 2.450 | 4.000 | 59.00 | 14.70 | 9064000024500 |
| 0.0984        |             |               | 2.500 | 4.000 | 59.00 | 15.00 | 9064000025000 |
| 0.1004        |             |               | 2.550 | 4.000 | 59.00 | 15.30 | 9064000025500 |
| 0.1024        |             |               | 2.600 | 4.000 | 59.00 | 15.60 | 9064000026000 |
| 0.1043        |             |               | 2.650 | 4.000 | 59.00 | 15.90 | 9064000026500 |
| 0.1063        |             |               | 2.700 | 4.000 | 59.00 | 16.20 | 9064000027000 |
| 0.1083        |             |               | 2.750 | 4.000 | 59.00 | 16.50 | 9064000027500 |
| 0.1094        |             | 7/64          | 2.780 | 4.000 | 59.00 | 16.80 | 9064000027800 |
| 0.1102        |             |               | 2.800 | 4.000 | 59.00 | 16.80 | 9064000028000 |
| 0.1122        |             |               | 2.850 | 4.000 | 59.00 | 17.10 | 9064000028500 |
| 0.1142        |             |               | 2.900 | 4.000 | 59.00 | 17.40 | 9064000029000 |
| 0.1161        |             | 32            | 2.950 | 4.000 | 59.00 | 17.70 | 9064000029500 |
| 0.1181        |             |               | 3.000 | 4.000 | 59.00 | 18.00 | 9064000030000 |

| Diameter (d1) |             | Wire / letter | mm    | d2 mm | l1 mm | l2 mm | EDP #         |
|---------------|-------------|---------------|-------|-------|-------|-------|---------------|
| Dec. inch     | Fract. inch |               |       |       |       |       |               |
| 0.0197        |             |               | 0.500 | 3.000 | 47.00 | 4.00  | 9064010005000 |
| 0.0217        |             |               | 0.550 | 3.000 | 47.00 | 4.40  | 9064010005500 |
| 0.0236        |             |               | 0.600 | 3.000 | 47.00 | 4.80  | 9064010006000 |
| 0.0256        |             |               | 0.650 | 3.000 | 47.00 | 5.20  | 9064010006500 |
| 0.0276        |             |               | 0.700 | 3.000 | 47.00 | 5.60  | 9064010007000 |
| 0.0295        |             |               | 0.750 | 3.000 | 47.00 | 6.00  | 9064010007500 |
| 0.0315        |             |               | 0.800 | 3.000 | 47.00 | 6.40  | 9064010008000 |
| 0.0335        |             |               | 0.850 | 3.000 | 47.00 | 6.80  | 9064010008500 |
| 0.0354        |             |               | 0.900 | 3.000 | 47.00 | 7.20  | 9064010009000 |
| 0.0374        |             |               | 0.950 | 3.000 | 47.00 | 7.60  | 9064010009500 |
| 0.0394        |             |               | 1.000 | 3.000 | 47.00 | 8.00  | 9064010010000 |
| 0.0413        |             |               | 1.050 | 3.000 | 47.00 | 8.40  | 9064010010500 |
| 0.0433        |             |               | 1.100 | 3.000 | 47.00 | 8.80  | 9064010011000 |
| 0.0453        |             |               | 1.150 | 3.000 | 47.00 | 9.20  | 9064010011500 |
| 0.0472        |             |               | 1.200 | 3.000 | 52.00 | 10.80 | 9064010012000 |
| 0.0492        |             |               | 1.250 | 3.000 | 52.00 | 11.30 | 9064010012500 |
| 0.0512        |             |               | 1.300 | 3.000 | 52.00 | 11.70 | 9064010013000 |
| 0.0531        |             |               | 1.350 | 3.000 | 52.00 | 12.20 | 9064010013500 |
| 0.0551        |             | 54            | 1.400 | 3.000 | 52.00 | 12.60 | 9064010014000 |
| 0.0571        |             |               | 1.450 | 3.000 | 52.00 | 13.10 | 9064010014500 |
| 0.0591        |             |               | 1.500 | 3.000 | 52.00 | 13.50 | 9064010015000 |
| 0.0610        |             |               | 1.550 | 3.000 | 52.00 | 14.00 | 9064010015500 |
| 0.0626        | 1/16        |               | 1.590 | 3.000 | 52.00 | 14.40 | 9064010015900 |
| 0.0630        |             |               | 1.600 | 3.000 | 52.00 | 14.40 | 9064010016000 |
| 0.0650        |             |               | 1.650 | 3.000 | 52.00 | 14.90 | 9064010016500 |
| 0.0669        |             | 51            | 1.700 | 3.000 | 52.00 | 15.30 | 9064010017000 |
| 0.0689        |             |               | 1.750 | 3.000 | 52.00 | 15.80 | 9064010017500 |
| 0.0709        |             |               | 1.800 | 3.000 | 52.00 | 16.20 | 9064010018000 |
| 0.0728        |             | 49            | 1.850 | 3.000 | 52.00 | 16.70 | 9064010018500 |
| 0.0748        |             |               | 1.900 | 3.000 | 52.00 | 17.10 | 9064010019000 |
| 0.0768        |             |               | 1.950 | 3.000 | 52.00 | 17.60 | 9064010019500 |
| 0.0780        |             | 5/64          | 1.980 | 4.000 | 63.00 | 18.00 | 9064010019800 |
| 0.0787        |             |               | 2.000 | 4.000 | 63.00 | 18.00 | 9064010020000 |
| 0.0807        |             |               | 2.050 | 4.000 | 63.00 | 18.50 | 9064010020500 |
| 0.0827        |             |               | 2.100 | 4.000 | 63.00 | 18.90 | 9064010021000 |
| 0.0846        |             |               | 2.150 | 4.000 | 63.00 | 19.40 | 9064010021500 |
| 0.0866        |             |               | 2.200 | 4.000 | 63.00 | 19.80 | 9064010022000 |
| 0.0886        |             |               | 2.250 | 4.000 | 63.00 | 20.30 | 9064010022500 |
| 0.0906        |             |               | 2.300 | 4.000 | 63.00 | 20.70 | 9064010023000 |
| 0.0925        |             |               | 2.350 | 4.000 | 63.00 | 21.20 | 9064010023500 |
| 0.0937        |             | 3/32          | 2.380 | 4.000 | 63.00 | 21.60 | 9064010023800 |
| 0.0945        |             |               | 2.400 | 4.000 | 63.00 | 21.60 | 9064010024000 |
| 0.0965        |             |               | 2.450 | 4.000 | 63.00 | 22.10 | 9064010024500 |
| 0.0984        |             |               | 2.500 | 4.000 | 63.00 | 22.50 | 9064010025000 |
| 0.1004        |             |               | 2.550 | 4.000 | 63.00 | 23.00 | 9064010025500 |
| 0.1024        |             |               | 2.600 | 4.000 | 67.00 | 23.40 | 9064010026000 |
| 0.1043        |             |               | 2.650 | 4.000 | 67.00 | 23.90 | 9064010026500 |
| 0.1063        |             |               | 2.700 | 4.000 | 67.00 | 24.30 | 9064010027000 |
| 0.1083        |             |               | 2.750 | 4.000 | 67.00 | 24.80 | 9064010027500 |
| 0.1094        |             | 7/64          | 2.780 | 4.000 | 67.00 | 25.20 | 9064010027800 |
| 0.1102        |             |               | 2.800 | 4.000 | 67.00 | 25.20 | 9064010028000 |
| 0.1122        |             |               | 2.850 | 4.000 | 67.00 | 25.70 | 9064010028500 |
| 0.1142        |             |               | 2.900 | 4.000 | 67.00 | 26.10 | 9064010029000 |
| 0.1161        |             | 32            | 2.950 | 4.000 | 67.00 | 26.60 | 9064010029500 |
| 0.1181        |             |               | 3.000 | 4.000 | 67.00 | 27.00 | 9064010030000 |