

Tool material

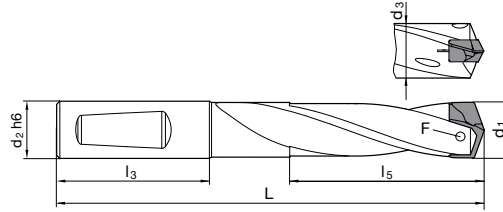
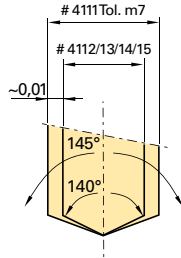
Surface



| | |
|----------|-----------------|
| P | Steel |
| M | Stainless steel |
| K | Cast iron |
| N | Aluminum |
| S | Titanium alloys |
| H | Hardened steel |

●=Optimal
○=Limited

nickel-plated • especially high wear resistance • optimized flute design • optimized coolant duct exit • clamping screws art. no. 4071 included • screwdriver art. no. 1612 included



Drilling depths over 7xD will typically require piloting operation using shorter drill body series 4105 or 4106, and series 4111 insert.

| d1 mm | d2 h6 mm | d2 h6 frac. | d3 mm | L mm | l3 mm | l5 mm | F | Code no. | EDP # |
|---------------|----------|-------------|-------|--------|-------|--------|------------|----------|---------------|
| 11.00 - 11.49 | 12.000 | | 10.70 | 182.00 | 45.00 | 117.10 | 4071 2.200 | 11.000 | 9041100110000 |
| 11.00 - 11.49 | 12.700 | 1/2 | 10.70 | 182.00 | 45.00 | 117.10 | 4071 2.200 | 11.005 | 9041100110050 |
| 11.50 - 11.99 | 12.000 | | 11.20 | 187.00 | 45.00 | 122.10 | 4071 2.200 | 11.500 | 9041100115000 |
| 11.50 - 11.99 | 12.700 | 1/2 | 11.20 | 187.00 | 45.00 | 122.10 | 4071 2.200 | 11.505 | 9041100115050 |
| 12.00 - 12.49 | 12.000 | | 11.70 | 194.00 | 45.00 | 127.20 | 4071 2.201 | 12.000 | 9041100120000 |
| 12.00 - 12.49 | 12.700 | 1/2 | 11.70 | 194.00 | 45.00 | 127.20 | 4071 2.201 | 12.005 | 9041100120050 |
| 12.50 - 12.99 | 14.000 | | 12.20 | 199.00 | 45.00 | 132.30 | 4071 2.201 | 12.500 | 9041100125000 |
| 12.50 - 12.99 | 15.875 | 5/8 | 12.20 | 199.00 | 45.00 | 132.30 | 4071 2.201 | 12.505 | 9041100125050 |
| 13.00 - 13.49 | 14.000 | | 12.70 | 205.00 | 45.00 | 137.50 | 4071 2.500 | 13.000 | 9041100130000 |
| 13.00 - 13.49 | 15.875 | 5/8 | 12.70 | 205.00 | 45.00 | 137.50 | 4071 2.500 | 13.005 | 9041100130050 |
| 13.50 - 13.99 | 14.000 | | 13.20 | 211.00 | 45.00 | 142.50 | 4071 2.500 | 13.500 | 9041100135000 |
| 13.50 - 13.99 | 15.875 | 5/8 | 13.20 | 211.00 | 45.00 | 142.50 | 4071 2.500 | 13.505 | 9041100135050 |
| 14.00 - 14.49 | 14.000 | | 13.70 | 217.00 | 45.00 | 147.70 | 4071 3.000 | 14.000 | 9041100140000 |
| 14.00 - 14.49 | 15.875 | 5/8 | 13.70 | 217.00 | 45.00 | 147.70 | 4071 3.000 | 14.005 | 9041100140050 |
| 14.50 - 14.99 | 16.000 | | 14.20 | 225.00 | 48.00 | 152.80 | 4071 3.000 | 14.500 | 9041100145000 |
| 14.50 - 14.99 | 15.875 | 5/8 | 14.20 | 225.00 | 48.00 | 152.80 | 4071 3.000 | 14.505 | 9041100145050 |
| 15.00 - 15.49 | 16.000 | | 14.70 | 232.00 | 48.00 | 157.80 | 4071 3.001 | 15.000 | 9041100150000 |
| 15.00 - 15.49 | 15.875 | 5/8 | 14.70 | 232.00 | 48.00 | 157.80 | 4071 3.001 | 15.005 | 9041100150050 |
| 15.50 - 15.99 | 16.000 | | 15.20 | 237.00 | 48.00 | 162.90 | 4071 3.001 | 15.500 | 9041100155000 |
| 15.50 - 15.99 | 15.875 | 5/8 | 15.20 | 237.00 | 48.00 | 162.90 | 4071 3.001 | 15.505 | 9041100155050 |
| 16.00 - 16.49 | 16.000 | | 15.70 | 243.00 | 48.00 | 168.00 | 4071 3.500 | 16.000 | 9041100160000 |
| 16.00 - 16.49 | 15.875 | 5/8 | 15.70 | 243.00 | 48.00 | 168.00 | 4071 3.500 | 16.005 | 9041100160050 |
| 16.50 - 16.99 | 18.000 | | 16.20 | 249.00 | 48.00 | 173.10 | 4071 3.500 | 16.500 | 9041100165000 |
| 16.50 - 16.99 | 19.050 | 3/4 | 16.20 | 249.00 | 48.00 | 173.10 | 4071 3.500 | 16.505 | 9041100165050 |
| 17.00 - 17.49 | 18.000 | | 16.70 | 255.00 | 48.00 | 178.30 | 4071 3.500 | 17.000 | 9041100170000 |
| 17.00 - 17.49 | 19.050 | 3/4 | 16.70 | 255.00 | 48.00 | 178.30 | 4071 3.500 | 17.005 | 9041100170050 |
| 17.50 - 17.99 | 18.000 | | 17.20 | 260.00 | 48.00 | 183.50 | 4071 3.500 | 17.500 | 9041100175000 |
| 17.50 - 17.99 | 19.050 | 3/4 | 17.20 | 260.00 | 48.00 | 183.50 | 4071 3.500 | 17.505 | 9041100175050 |
| 18.00 - 18.49 | 18.000 | | 17.70 | 267.00 | 48.00 | 188.40 | 4071 4.000 | 18.000 | 9041100180000 |
| 18.00 - 18.49 | 19.050 | 3/4 | 17.70 | 267.00 | 48.00 | 188.40 | 4071 4.000 | 18.005 | 9041100180050 |
| 18.50 - 18.99 | 20.000 | | 18.20 | 274.00 | 50.00 | 193.50 | 4071 4.000 | 18.500 | 9041100185000 |
| 18.50 - 18.99 | 19.050 | 3/4 | 18.20 | 274.00 | 50.00 | 193.50 | 4071 4.000 | 18.505 | 9041100185050 |
| 19.00 - 19.49 | 20.000 | | 18.70 | 280.00 | 50.00 | 198.70 | 4071 4.000 | 19.000 | 9041100190000 |
| 19.00 - 19.49 | 19.050 | 3/4 | 18.70 | 280.00 | 50.00 | 198.70 | 4071 4.000 | 19.005 | 9041100190050 |
| 19.50 - 19.99 | 20.000 | | 19.20 | 286.00 | 50.00 | 203.70 | 4071 4.000 | 19.500 | 9041100195000 |
| 19.50 - 19.99 | 19.050 | 3/4 | 19.20 | 286.00 | 50.00 | 203.70 | 4071 4.000 | 19.505 | 9041100195050 |
| 20.00 - 20.49 | 20.000 | | 19.70 | 292.00 | 50.00 | 208.90 | 4071 4.500 | 20.000 | 9041100200000 |
| 20.00 - 20.49 | 19.050 | 3/4 | 19.70 | 292.00 | 50.00 | 208.90 | 4071 4.500 | 20.005 | 9041100200050 |
| 20.50 - 20.99 | 25.000 | | 20.20 | 306.00 | 56.00 | 214.00 | 4071 4.500 | 20.500 | 9041100205000 |
| 20.50 - 20.99 | 25.400 | 1 | 20.20 | 306.00 | 56.00 | 214.00 | 4071 4.500 | 20.505 | 9041100205050 |
| 21.00 - 21.49 | 25.000 | | 20.70 | 312.00 | 56.00 | 219.10 | 4071 4.500 | 21.000 | 9041100210000 |
| 21.00 - 21.49 | 25.400 | 1 | 20.70 | 312.00 | 56.00 | 219.10 | 4071 4.500 | 21.005 | 9041100210050 |
| 21.50 - 21.99 | 25.000 | | 21.20 | 317.00 | 56.00 | 224.20 | 4071 4.500 | 21.500 | 9041100215000 |

HT 800 Drills

| d1 mm | d2 h6 mm | d2 h6 frac. | d3 mm | L mm | l3 mm | l5 mm | F | Code no. | EDP # |
|---------------|-------------|----------------|----------|---------|----------|----------|------------|----------|---------------|
| 21.50 - 21.99 | 25.400 | 1 | 21.20 | 317.00 | 56.00 | 224.20 | 4071 4.500 | 21.505 | 9041100215050 |
| 22.00 - 22.49 | 25.000 | | 21.70 | 323.00 | 56.00 | 229.30 | 4071 5.000 | 22.000 | 9041100220000 |
| 22.00 - 22.49 | 25.400 | 1 | 21.70 | 323.00 | 56.00 | 229.30 | 4071 5.000 | 22.005 | 9041100220050 |
| 22.50 - 22.99 | 25.000 | | 22.20 | 329.00 | 56.00 | 234.40 | 4071 5.000 | 22.500 | 9041100225000 |
| 22.50 - 22.99 | 25.400 | 1 | 22.20 | 329.00 | 56.00 | 234.40 | 4071 5.000 | 22.505 | 9041100225050 |
| 23.00 - 23.49 | 25.000 | | 22.70 | 335.00 | 56.00 | 239.50 | 4071 5.000 | 23.000 | 9041100230000 |
| 23.00 - 23.49 | 25.400 | 1 | 22.70 | 335.00 | 56.00 | 239.50 | 4071 5.000 | 23.005 | 9041100230050 |
| 23.50 - 23.99 | 25.000 | | 23.20 | 341.00 | 56.00 | 244.60 | 4071 5.000 | 23.500 | 9041100235000 |
| 23.50 - 23.99 | 25.400 | 1 | 23.20 | 341.00 | 56.00 | 244.60 | 4071 5.000 | 23.505 | 9041100235050 |
| 24.00 - 24.49 | 25.000 | | 23.70 | 347.00 | 56.00 | 249.70 | 4071 5.001 | 24.000 | 9041100240000 |
| 24.00 - 24.49 | 25.400 | 1 | 23.70 | 347.00 | 56.00 | 249.70 | 4071 5.001 | 24.005 | 9041100240050 |
| 24.50 - 24.99 | 25.000 | | 24.20 | 352.00 | 56.00 | 254.80 | 4071 5.001 | 24.500 | 9041100245000 |
| 24.50 - 24.99 | 25.400 | 1 | 24.20 | 352.00 | 56.00 | 254.80 | 4071 5.001 | 24.505 | 9041100245050 |
| 25.00 - 25.49 | 25.000 | | 24.70 | 359.00 | 56.00 | 259.90 | 4071 5.001 | 25.000 | 9041100250000 |
| 25.00 - 25.49 | 25.400 | 1 | 24.70 | 359.00 | 56.00 | 259.90 | 4071 5.001 | 25.005 | 9041100250050 |
| 25.50 - 25.99 | 32.000 | | 25.20 | 369.00 | 60.00 | 265.00 | 4071 5.001 | 25.500 | 9041100255000 |
| 25.50 - 25.99 | 31.750 | 1 1/4 | 25.20 | 369.00 | 60.00 | 265.00 | 4071 5.001 | 25.505 | 9041100255050 |
| 26.00 - 26.49 | 32.000 | | 25.70 | 377.00 | 60.00 | 270.00 | 4071 5.003 | 26.000 | 9041100260000 |
| 26.00 - 26.49 | 31.750 | 1 1/4 | 25.70 | 377.00 | 60.00 | 270.00 | 4071 5.003 | 26.005 | 9041100260050 |
| 26.50 - 26.99 | 32.000 | | 26.20 | 382.00 | 60.00 | 275.00 | 4071 5.003 | 26.500 | 9041100265000 |
| 26.50 - 26.99 | 31.750 | 1 1/4 | 26.20 | 382.00 | 60.00 | 275.00 | 4071 5.003 | 26.505 | 9041100265050 |
| 27.00 - 27.49 | 32.000 | | 26.70 | 388.00 | 60.00 | 280.10 | 4071 5.003 | 27.000 | 9041100270000 |
| 27.00 - 27.49 | 31.750 | 1 1/4 | 26.70 | 388.00 | 60.00 | 280.10 | 4071 5.003 | 27.005 | 9041100270050 |
| 27.50 - 27.99 | 32.000 | | 27.20 | 394.00 | 60.00 | 285.20 | 4071 5.003 | 27.500 | 9041100275000 |
| 27.50 - 27.99 | 31.750 | 1 1/4 | 27.20 | 394.00 | 60.00 | 285.20 | 4071 5.003 | 27.505 | 9041100275050 |
| 28.00 - 28.49 | 32.000 | | 27.70 | 400.00 | 60.00 | 290.30 | 4071 5.003 | 28.000 | 9041100280000 |
| 28.00 - 28.49 | 31.750 | 1 1/4 | 27.70 | 400.00 | 60.00 | 290.30 | 4071 5.003 | 28.005 | 9041100280050 |
| 28.50 - 28.99 | 32.000 | | 28.20 | 405.00 | 60.00 | 295.40 | 4071 5.003 | 28.500 | 9041100285000 |
| 28.50 - 28.99 | 31.750 | 1 1/4 | 28.20 | 405.00 | 60.00 | 295.40 | 4071 5.003 | 28.505 | 9041100285050 |
| 29.00 - 29.49 | 32.000 | | 28.70 | 412.00 | 60.00 | 300.50 | 4071 5.003 | 29.000 | 9041100290000 |
| 29.00 - 29.49 | 31.750 | 1 1/4 | 28.70 | 412.00 | 60.00 | 300.50 | 4071 5.003 | 29.005 | 9041100290050 |
| 29.50 - 29.99 | 32.000 | | 29.20 | 418.00 | 60.00 | 305.60 | 4071 5.003 | 29.500 | 9041100295000 |
| 29.50 - 29.99 | 31.750 | 1 1/4 | 29.20 | 418.00 | 60.00 | 305.60 | 4071 5.003 | 29.505 | 9041100295050 |
| 30.00 - 30.49 | 32.000 | | 29.70 | 424.00 | 60.00 | 310.60 | 4071 6.000 | 30.000 | 9041100300000 |
| 30.00 - 30.49 | 31.750 | 1 1/4 | 29.70 | 424.00 | 60.00 | 310.60 | 4071 6.000 | 30.005 | 9041100300050 |
| 30.50 - 30.99 | 32.000 | | 30.20 | 429.00 | 60.00 | 315.70 | 4071 6.000 | 30.500 | 9041100305000 |
| 30.50 - 30.99 | 31.750 | 1 1/4 | 30.20 | 429.00 | 60.00 | 315.70 | 4071 6.000 | 30.505 | 9041100305050 |
| 31.00 - 31.49 | 32.000 | | 30.70 | 435.00 | 60.00 | 320.80 | 4071 6.000 | 31.000 | 9041100310000 |
| 31.00 - 31.49 | 31.750 | 1 1/4 | 30.70 | 435.00 | 60.00 | 320.80 | 4071 6.000 | 31.005 | 9041100310050 |
| 31.50 - 31.99 | 32.000 | | 31.20 | 441.00 | 60.00 | 325.90 | 4071 6.000 | 31.500 | 9041100315000 |
| 31.50 - 31.99 | 31.750 | 1 1/4 | 31.20 | 441.00 | 60.00 | 325.90 | 4071 6.000 | 31.505 | 9041100315050 |