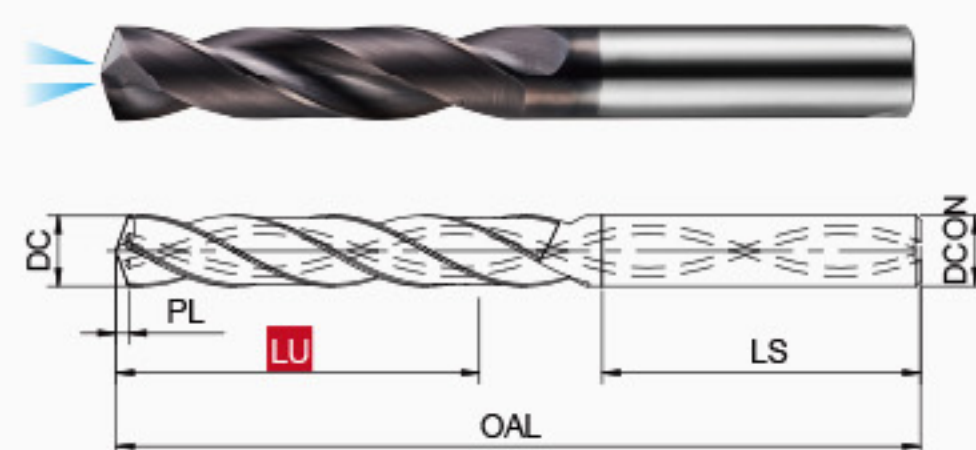


# D05-MCE-CA SOLID CARBIDE INTERNAL COOLING DRILLS

## 整硬内冷钻头

- 直径范围:  $\Phi 3 \sim \Phi 20\text{mm}$ ;
- 钻孔精度: IT8~IT9;
- 专用槽形, 断屑优良;
- 良好的定心力, 提高钻削稳定性;
- CS 钻尖, 保证良好的导向和加工效果。

- Diameter range:  $\Phi 3 \sim \Phi 20\text{mm}$ ;
- Drilling accuracy: IT8~IT9;
- Special groove type, excellent chip removal;
- Strong centering ability improves drilling stability;
- CS drill tip, ensure good guiding and machining effect.



单位(Unit): mm

| 型号<br>MODEL       | 尺寸 SIZE    |     |     |    |    |              | 库存<br>INVENTORY |  | 型号<br>MODEL       | 尺寸 SIZE    |     |     |    |    |              | 库存<br>INVENTORY |
|-------------------|------------|-----|-----|----|----|--------------|-----------------|--|-------------------|------------|-----|-----|----|----|--------------|-----------------|
|                   | DC<br>(mm) | PL  | OAL | LU | LS | DCON<br>(mm) |                 |  |                   | DC<br>(mm) | PL  | OAL | LU | LS | DCON<br>(mm) |                 |
| D05-MCE-CA03-0300 | 3.0        | 0.5 | 62  | 14 | 36 | 4/6          | ▲               |  | D05-MCE-CA03-0550 | 5.5        | 1.0 | 66  | 21 | 36 | 6            | ▲               |
| D05-MCE-CA03-0310 | 3.1        | 0.6 | 62  | 14 | 36 | 4/6          | △               |  | D05-MCE-CA03-0560 | 5.6        | 1.0 | 66  | 21 | 36 | 6            | △               |
| D05-MCE-CA03-0320 | 3.2        | 0.6 | 62  | 14 | 36 | 4/6          | △               |  | D05-MCE-CA03-0570 | 5.7        | 1.0 | 66  | 21 | 36 | 6            | △               |
| D05-MCE-CA03-0330 | 3.3        | 0.6 | 62  | 14 | 36 | 4/6          | △               |  | D05-MCE-CA03-0580 | 5.8        | 1.1 | 66  | 21 | 36 | 6            | △               |
| D05-MCE-CA03-0340 | 3.4        | 0.6 | 62  | 14 | 36 | 4/6          | △               |  | D05-MCE-CA03-0590 | 5.9        | 1.1 | 66  | 21 | 36 | 6            | △               |
| D05-MCE-CA03-0350 | 3.5        | 0.6 | 62  | 15 | 36 | 4/6          | ▲               |  | D05-MCE-CA03-0600 | 6.0        | 1.1 | 66  | 21 | 36 | 6            | ▲               |
| D05-MCE-CA03-0360 | 3.6        | 0.7 | 62  | 15 | 36 | 4/6          | △               |  | D05-MCE-CA03-0610 | 6.1        | 1.1 | 79  | 23 | 36 | 8            | △               |
| D05-MCE-CA03-0370 | 3.7        | 0.7 | 62  | 15 | 36 | 4/6          | △               |  | D05-MCE-CA03-0620 | 6.2        | 1.1 | 79  | 23 | 36 | 8            | △               |
| D05-MCE-CA03-0380 | 3.8        | 0.7 | 66  | 17 | 36 | 4/6          | △               |  | D05-MCE-CA03-0630 | 6.3        | 1.1 | 79  | 23 | 36 | 8            | △               |
| D05-MCE-CA03-0390 | 3.9        | 0.7 | 66  | 17 | 36 | 4/6          | △               |  | D05-MCE-CA03-0640 | 6.4        | 1.2 | 79  | 23 | 36 | 8            | △               |
| D05-MCE-CA03-0400 | 4.0        | 0.7 | 66  | 17 | 36 | 4/6          | ▲               |  | D05-MCE-CA03-0650 | 6.5        | 1.2 | 79  | 23 | 36 | 8            | ▲               |
| D05-MCE-CA03-0410 | 4.1        | 0.7 | 66  | 17 | 36 | 6            | △               |  | D05-MCE-CA03-0660 | 6.6        | 1.2 | 79  | 23 | 36 | 8            | △               |
| D05-MCE-CA03-0420 | 4.2        | 0.8 | 66  | 17 | 36 | 6            | △               |  | D05-MCE-CA03-0670 | 6.7        | 1.2 | 79  | 25 | 36 | 8            | △               |
| D05-MCE-CA03-0430 | 4.3        | 0.8 | 66  | 18 | 36 | 6            | △               |  | D05-MCE-CA03-0680 | 6.8        | 1.2 | 79  | 25 | 36 | 8            | △               |
| D05-MCE-CA03-0440 | 4.4        | 0.8 | 66  | 18 | 36 | 6            | △               |  | D05-MCE-CA03-0690 | 6.9        | 1.3 | 79  | 25 | 36 | 8            | △               |
| D05-MCE-CA03-0450 | 4.5        | 0.8 | 66  | 18 | 36 | 6            | ▲               |  | D05-MCE-CA03-0700 | 7.0        | 1.3 | 79  | 25 | 36 | 8            | ▲               |
| D05-MCE-CA03-0460 | 4.6        | 0.8 | 66  | 18 | 36 | 6            | △               |  | D05-MCE-CA03-0710 | 7.1        | 1.3 | 79  | 25 | 36 | 8            | △               |
| D05-MCE-CA03-0470 | 4.7        | 0.9 | 66  | 18 | 36 | 6            | △               |  | D05-MCE-CA03-0720 | 7.2        | 1.3 | 79  | 25 | 36 | 8            | △               |
| D05-MCE-CA03-0480 | 4.8        | 0.9 | 66  | 20 | 36 | 6            | △               |  | D05-MCE-CA03-0730 | 7.3        | 1.3 | 79  | 25 | 36 | 8            | △               |
| D05-MCE-CA03-0490 | 4.9        | 0.9 | 66  | 20 | 36 | 6            | △               |  | D05-MCE-CA03-0740 | 7.4        | 1.3 | 79  | 25 | 36 | 8            | △               |
| D05-MCE-CA03-0500 | 5.0        | 0.9 | 66  | 20 | 36 | 6            | ▲               |  | D05-MCE-CA03-0750 | 7.5        | 1.4 | 79  | 25 | 36 | 8            | ▲               |
| D05-MCE-CA03-0510 | 5.1        | 0.9 | 66  | 20 | 36 | 6            | △               |  | D05-MCE-CA03-0760 | 7.6        | 1.4 | 79  | 27 | 36 | 8            | △               |
| D05-MCE-CA03-0520 | 5.2        | 0.9 | 66  | 20 | 36 | 6            | △               |  | D05-MCE-CA03-0770 | 7.7        | 1.4 | 79  | 27 | 36 | 8            | △               |
| D05-MCE-CA03-0530 | 5.3        | 1.0 | 66  | 20 | 36 | 6            | △               |  | D05-MCE-CA03-0780 | 7.8        | 1.4 | 79  | 27 | 36 | 8            | △               |
| D05-MCE-CA03-0540 | 5.4        | 1.0 | 66  | 20 | 36 | 6            | △               |  | D05-MCE-CA03-0790 | 7.9        | 1.4 | 79  | 27 | 36 | 8            | △               |

▲ 常备库存 △ 按订单生产 ▲ YES △ NO

### 被加工材料适用表 APPLICABLE TABLE OF PROCESSED MATERIALS

| ISO代码                      | P          | P                | P           | P          | M               | K         | K                   | N              | N                    | N             | S            | S               | H              | H              |
|----------------------------|------------|------------------|-------------|------------|-----------------|-----------|---------------------|----------------|----------------------|---------------|--------------|-----------------|----------------|----------------|
| 工件材料<br>WORKPIECE MATERIAL | 低碳钢        | 结构钢              | 合金钢         | 工具钢        | 不锈钢             | 铸铁        | 可锻铸铁                | 铝合金            | 铸造铝合金                | 铜合金           | 高温合金         | 钛合金             | 淬硬钢            | 淬硬钢            |
|                            | MILD STEEL | STRUCTURAL STEEL | ALLOY STEEL | TOOL STEEL | STAINLESS STEEL | CAST IRON | MALLEABLE CAST IRON | ALUMINUM ALLOY | CAST ALUMINUM ALLOYS | COPPER ALLOYS | SUPER ALLOYS | TITANIUM ALLOYS | HARDENED STEEL | HARDENED STEEL |
|                            | <500N      | <750N            | <1400N      | <1200N     | <900N           | <750N     | <1100N              | Si<12%         | Si<12%               | <750N         | <1100N       | <1100N          | <1400N         | <1600N         |
| D05-MCE-CA<br>D05-MCS-EA   | ○          | ○                |             |            | ●               |           |                     |                |                      |               |              |                 |                |                |

● 非常适合 ○ 适合 ● VERY SUITABLE ○ SUITABLE

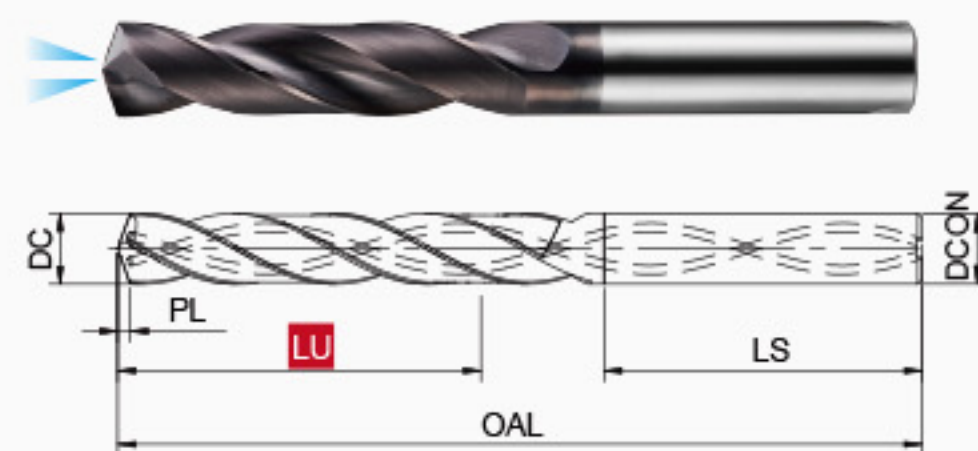
# D05-MCE-CA

## SOLID CARBIDE INTERNAL COOLING DRILLS

## 整硬内冷钻头

- 直径范围:Φ3~Φ20mm;
- 钻孔精度:IT8~IT9;
- 专用槽形,断屑优良;
- 良好的定心力,提高钻削稳定性;
- CS钻尖,保证良好的导向和加工效果。

- Diameter range: Φ3~Φ20mm;
- Drilling accuracy: IT8~IT9;
- Special groove type, excellent chip removal;
- Strong centering ability improves drilling stability;
- CS drill tip blades, ensure good guiding and machining effect.



单位(Unit): mm

| 型号<br>MODEL       | 尺寸 SIZE    |     |     |    |    |              | 库存<br>INVENTORY | 型号<br>MODEL       | 尺寸 SIZE    |     |     |    |    |              | 库存<br>INVENTORY |
|-------------------|------------|-----|-----|----|----|--------------|-----------------|-------------------|------------|-----|-----|----|----|--------------|-----------------|
|                   | DC<br>(m7) | PL  | OAL | LU | LS | DCON<br>(h6) |                 |                   | DC<br>(m7) | PL  | OAL | LU | LS | DCON<br>(h6) |                 |
| D05-MCE-CA03-0800 | 8.0        | 1.5 | 79  | 27 | 36 | 8            | ▲               | D05-MCE-CA03-1050 | 10.5       | 1.9 | 102 | 31 | 45 | 12           | ▲               |
| D05-MCE-CA03-0810 | 8.1        | 1.5 | 89  | 27 | 40 | 10           | △               | D05-MCE-CA03-1060 | 10.6       | 1.9 | 102 | 33 | 45 | 12           | △               |
| D05-MCE-CA03-0820 | 8.2        | 1.5 | 89  | 27 | 40 | 10           | △               | D05-MCE-CA03-1070 | 10.7       | 1.9 | 102 | 33 | 45 | 12           | △               |
| D05-MCE-CA03-0830 | 8.3        | 1.5 | 89  | 27 | 40 | 10           | △               | D05-MCE-CA03-1080 | 10.8       | 2.0 | 102 | 33 | 45 | 12           | △               |
| D05-MCE-CA03-0840 | 8.4        | 1.5 | 89  | 27 | 40 | 10           | △               | D05-MCE-CA03-1090 | 10.9       | 2.0 | 102 | 33 | 45 | 12           | △               |
| D05-MCE-CA03-0850 | 8.5        | 1.5 | 89  | 27 | 40 | 10           | ▲               | D05-MCE-CA03-1100 | 11.0       | 2.0 | 102 | 33 | 45 | 12           | ▲               |
| D05-MCE-CA03-0860 | 8.6        | 1.6 | 89  | 27 | 40 | 10           | △               | D05-MCE-CA03-1110 | 11.1       | 2.0 | 102 | 33 | 45 | 12           | △               |
| D05-MCE-CA03-0870 | 8.7        | 1.6 | 89  | 29 | 40 | 10           | △               | D05-MCE-CA03-1120 | 11.2       | 2.0 | 102 | 33 | 45 | 12           | △               |
| D05-MCE-CA03-0880 | 8.8        | 1.6 | 89  | 29 | 40 | 10           | △               | D05-MCE-CA03-1130 | 11.3       | 2.1 | 102 | 33 | 45 | 12           | △               |
| D05-MCE-CA03-0890 | 8.9        | 1.6 | 89  | 29 | 40 | 10           | △               | D05-MCE-CA03-1140 | 11.4       | 2.1 | 102 | 33 | 45 | 12           | △               |
| D05-MCE-CA03-0900 | 9.0        | 1.6 | 89  | 29 | 40 | 10           | ▲               | D05-MCE-CA03-1150 | 11.5       | 2.1 | 102 | 33 | 45 | 12           | ▲               |
| D05-MCE-CA03-0910 | 9.1        | 1.7 | 89  | 29 | 40 | 10           | △               | D05-MCE-CA03-1160 | 11.6       | 2.1 | 102 | 33 | 45 | 12           | △               |
| D05-MCE-CA03-0920 | 9.2        | 1.7 | 89  | 29 | 40 | 10           | △               | D05-MCE-CA03-1170 | 11.7       | 2.1 | 102 | 33 | 45 | 12           | △               |
| D05-MCE-CA03-0930 | 9.3        | 1.7 | 89  | 29 | 40 | 10           | △               | D05-MCE-CA03-1180 | 11.8       | 2.1 | 102 | 33 | 45 | 12           | △               |
| D05-MCE-CA03-0940 | 9.4        | 1.7 | 89  | 29 | 40 | 10           | △               | D05-MCE-CA03-1190 | 11.9       | 2.2 | 102 | 36 | 45 | 12           | △               |
| D05-MCE-CA03-0950 | 9.5        | 1.7 | 89  | 29 | 40 | 10           | ▲               | D05-MCE-CA03-1200 | 12.0       | 2.2 | 102 | 36 | 45 | 12           | ▲               |
| D05-MCE-CA03-0960 | 9.6        | 1.7 | 89  | 31 | 40 | 10           | △               | D05-MCE-CA03-1210 | 12.1       | 2.2 | 107 | 36 | 45 | 14           | △               |
| D05-MCE-CA03-0970 | 9.7        | 1.8 | 89  | 31 | 40 | 10           | △               | D05-MCE-CA03-1220 | 12.2       | 2.2 | 107 | 36 | 45 | 14           | △               |
| D05-MCE-CA03-0980 | 9.8        | 1.8 | 89  | 31 | 40 | 10           | △               | D05-MCE-CA03-1230 | 12.3       | 2.2 | 107 | 36 | 45 | 14           | △               |
| D05-MCE-CA03-0990 | 9.9        | 1.8 | 89  | 31 | 40 | 10           | △               | D05-MCE-CA03-1240 | 12.4       | 2.3 | 107 | 36 | 45 | 14           | △               |
| D05-MCE-CA03-1000 | 10.0       | 1.8 | 89  | 31 | 40 | 10           | ▲               | D05-MCE-CA03-1250 | 12.5       | 2.3 | 107 | 36 | 45 | 14           | ▲               |
| D05-MCE-CA03-1010 | 10.1       | 1.8 | 102 | 31 | 45 | 12           | △               | D05-MCE-CA03-1260 | 12.6       | 2.3 | 107 | 36 | 45 | 14           | △               |
| D05-MCE-CA03-1020 | 10.2       | 1.9 | 102 | 31 | 45 | 12           | △               | D05-MCE-CA03-1270 | 12.7       | 2.3 | 107 | 36 | 45 | 14           | △               |
| D05-MCE-CA03-1030 | 10.3       | 1.9 | 102 | 31 | 45 | 12           | △               | D05-MCE-CA03-1280 | 12.8       | 2.3 | 107 | 36 | 45 | 14           | △               |
| D05-MCE-CA03-1040 | 10.4       | 1.9 | 102 | 31 | 45 | 12           | △               | D05-MCE-CA03-1290 | 12.9       | 2.3 | 107 | 36 | 45 | 14           | △               |

▲ 常备库存 △ 按订单生产 ▲ YES △ NO

### 被加工材料适用表 APPLICABLE TABLE OF PROCESSED MATERIALS

| ISO代码                      | P                | P                       | P                  | P                 | M                      | K               | K                           | N                     | N                             | N                    | S                    | S                      | H                     | H                     |
|----------------------------|------------------|-------------------------|--------------------|-------------------|------------------------|-----------------|-----------------------------|-----------------------|-------------------------------|----------------------|----------------------|------------------------|-----------------------|-----------------------|
| 工件材料<br>WORKPIECE MATERIAL | 低碳钢<br>MLD STEEL | 结构钢<br>STRUCTURAL STEEL | 合金钢<br>ALLOY STEEL | 工具钢<br>TOOL STEEL | 不锈钢<br>STAINLESS STEEL | 铸铁<br>CAST IRON | 可锻铸铁<br>MALLEABLE CAST IRON | 铝合金<br>ALUMINUM ALLOY | 铸造铝合金<br>CAST ALUMINUM ALLOYS | 铜合金<br>COPPER ALLOYS | 高温合金<br>SUPER ALLOYS | 钛合金<br>TITANIUM ALLOYS | 淬硬钢<br>HARDENED STEEL | 淬硬钢<br>HARDENED STEEL |
|                            | <500N            | <750N                   | <1400N             | <1200N            | <900N                  | <750N           | <1100N                      | Si<12%                | Si<12%                        | <750N                | <1100N               | <1100N                 | <1400N                | <1600N                |
| D05-MCE-CA<br>D05-MCS-EA   | ○                | ○                       |                    |                   | ●                      |                 |                             |                       |                               |                      |                      |                        |                       |                       |

● 非常合适 ○ 合适 ● VERY SUITABLE ○ SUITABLE

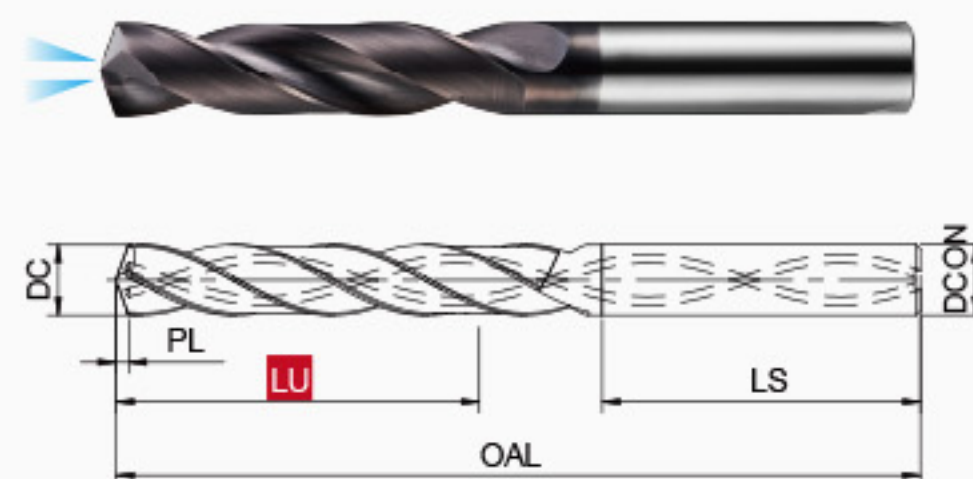
# D05-MCE-CA

## SOLID CARBIDE INTERNAL COOLING DRILLS

## 整硬内冷钻头

- 直径范围:  $\Phi 3 \sim \Phi 20\text{mm}$ ;
- 钻孔精度: IT8~IT9;
- 专用槽形, 断屑优良;
- 良好的定心力, 提高钻削稳定性;
- CS 钻尖, 保证良好的导向和加工效果。

- Diameter range:  $\Phi 3 \sim \Phi 20\text{mm}$ ;
- Drilling accuracy: IT8~IT9;
- Special groove type, excellent chip removal;
- Strong centering ability improves drilling stability;
- CS drill tip, ensure good guiding and machining effect.



单位(Unit): mm

| 型号<br>MODEL       | 尺寸 SIZE    |     |     |    |    |              | 库存<br>INVENTORY | 型号<br>MODEL       | 尺寸 SIZE    |     |     |    |    |              | 库存<br>INVENTORY |
|-------------------|------------|-----|-----|----|----|--------------|-----------------|-------------------|------------|-----|-----|----|----|--------------|-----------------|
|                   | DC<br>(mm) | PL  | OAL | LU | LS | DCON<br>(mm) |                 |                   | DC<br>(mm) | PL  | OAL | LU | LS | DCON<br>(mm) |                 |
| D05-MCE-CA03-1300 | 13.0       | 2.4 | 107 | 36 | 45 | 14           | ▲               | D05-MCE-CA03-1550 | 15.5       | 2.8 | 115 | 39 | 48 | 16           | ▲               |
| D05-MCE-CA03-1310 | 13.1       | 2.4 | 107 | 37 | 45 | 14           | △               | D05-MCE-CA03-1560 | 15.6       | 2.8 | 115 | 39 | 48 | 16           | △               |
| D05-MCE-CA03-1320 | 13.2       | 2.4 | 107 | 37 | 45 | 14           | △               | D05-MCE-CA03-1570 | 15.7       | 2.9 | 115 | 39 | 48 | 16           | △               |
| D05-MCE-CA03-1330 | 13.3       | 2.4 | 107 | 37 | 45 | 14           | △               | D05-MCE-CA03-1580 | 15.8       | 2.9 | 115 | 39 | 48 | 16           | △               |
| D05-MCE-CA03-1340 | 13.4       | 2.4 | 107 | 37 | 45 | 14           | △               | D05-MCE-CA03-1590 | 15.9       | 2.9 | 115 | 39 | 48 | 16           | △               |
| D05-MCE-CA03-1350 | 13.5       | 2.5 | 107 | 37 | 45 | 14           | ▲               | D05-MCE-CA03-1600 | 16.0       | 2.9 | 115 | 39 | 48 | 16           | ▲               |
| D05-MCE-CA03-1360 | 13.6       | 2.5 | 107 | 37 | 45 | 14           | △               | D05-MCE-CA03-1610 | 16.1       | 2.9 | 123 | 40 | 48 | 18           | △               |
| D05-MCE-CA03-1370 | 13.7       | 2.5 | 107 | 37 | 45 | 14           | △               | D05-MCE-CA03-1620 | 16.2       | 2.9 | 123 | 40 | 48 | 18           | △               |
| D05-MCE-CA03-1380 | 13.8       | 2.5 | 107 | 37 | 45 | 14           | △               | D05-MCE-CA03-1630 | 16.3       | 3.0 | 123 | 40 | 48 | 18           | △               |
| D05-MCE-CA03-1390 | 13.9       | 2.5 | 107 | 37 | 45 | 14           | △               | D05-MCE-CA03-1640 | 16.4       | 3.0 | 123 | 40 | 48 | 18           | △               |
| D05-MCE-CA03-1400 | 14.0       | 2.5 | 107 | 37 | 45 | 14           | ▲               | D05-MCE-CA03-1650 | 16.5       | 3.0 | 123 | 40 | 48 | 18           | △               |
| D05-MCE-CA03-1410 | 14.1       | 2.6 | 115 | 38 | 48 | 16           | △               | D05-MCE-CA03-1660 | 16.6       | 3.0 | 123 | 40 | 48 | 18           | △               |
| D05-MCE-CA03-1420 | 14.2       | 2.6 | 115 | 38 | 48 | 16           | △               | D05-MCE-CA03-1670 | 16.7       | 3.0 | 123 | 40 | 48 | 18           | △               |
| D05-MCE-CA03-1430 | 14.3       | 2.6 | 115 | 38 | 48 | 16           | △               | D05-MCE-CA03-1680 | 16.8       | 3.1 | 123 | 40 | 48 | 18           | △               |
| D05-MCE-CA03-1440 | 14.4       | 2.6 | 115 | 38 | 48 | 16           | △               | D05-MCE-CA03-1690 | 16.9       | 3.1 | 123 | 40 | 48 | 18           | △               |
| D05-MCE-CA03-1450 | 14.5       | 2.6 | 115 | 38 | 48 | 16           | ▲               | D05-MCE-CA03-1700 | 17.0       | 3.1 | 123 | 40 | 48 | 18           | △               |
| D05-MCE-CA03-1460 | 14.6       | 2.7 | 115 | 38 | 48 | 16           | △               | D05-MCE-CA03-1710 | 17.1       | 3.1 | 123 | 41 | 48 | 18           | △               |
| D05-MCE-CA03-1470 | 14.7       | 2.7 | 115 | 38 | 48 | 16           | △               | D05-MCE-CA03-1720 | 17.2       | 3.1 | 123 | 41 | 48 | 18           | △               |
| D05-MCE-CA03-1480 | 14.8       | 2.7 | 115 | 38 | 48 | 16           | △               | D05-MCE-CA03-1730 | 17.3       | 3.1 | 123 | 41 | 48 | 18           | △               |
| D05-MCE-CA03-1490 | 14.9       | 2.7 | 115 | 38 | 48 | 16           | △               | D05-MCE-CA03-1740 | 17.4       | 3.2 | 123 | 41 | 48 | 18           | △               |
| D05-MCE-CA03-1500 | 15.0       | 2.7 | 115 | 38 | 48 | 16           | ▲               | D05-MCE-CA03-1750 | 17.5       | 3.2 | 123 | 41 | 48 | 18           | △               |
| D05-MCE-CA03-1510 | 15.1       | 2.7 | 115 | 39 | 48 | 16           | △               | D05-MCE-CA03-1760 | 17.6       | 3.2 | 123 | 41 | 48 | 18           | △               |
| D05-MCE-CA03-1520 | 15.2       | 2.8 | 115 | 39 | 48 | 16           | △               | D05-MCE-CA03-1770 | 17.7       | 3.2 | 123 | 41 | 48 | 18           | △               |
| D05-MCE-CA03-1530 | 15.3       | 2.8 | 115 | 39 | 48 | 16           | △               | D05-MCE-CA03-1780 | 17.8       | 3.2 | 123 | 41 | 48 | 18           | △               |
| D05-MCE-CA03-1540 | 15.4       | 2.8 | 115 | 39 | 48 | 16           | △               | D05-MCE-CA03-1790 | 17.9       | 3.3 | 123 | 41 | 48 | 18           | △               |

▲ 常备库存 △ 按订单生产 ▲ YES △ NO

### 被加工材料适用表 APPLICABLE TABLE OF PROCESSED MATERIALS

| ISO代码                      | P          | P                | P           | P          | M               | K         | K                   | N              | N                    | N             | S            | S               | H              | H              |
|----------------------------|------------|------------------|-------------|------------|-----------------|-----------|---------------------|----------------|----------------------|---------------|--------------|-----------------|----------------|----------------|
| 工件材料<br>WORKPIECE MATERIAL | 低碳钢        | 结构钢              | 合金钢         | 工具钢        | 不锈钢             | 铸铁        | 可锻铸铁                | 铝合金            | 铸造铝合金                | 铜合金           | 高温合金         | 钛合金             | 淬硬钢            | 淬硬钢            |
|                            | MILD STEEL | STRUCTURAL STEEL | ALLOY STEEL | TOOL STEEL | STAINLESS STEEL | CAST IRON | MALLEABLE CAST IRON | ALUMINUM ALLOY | CAST ALUMINUM ALLOYS | COPPER ALLOYS | SUPER ALLOYS | TITANIUM ALLOYS | HARDENED STEEL | HARDENED STEEL |
|                            | <500N      | <750N            | <1400N      | <1200N     | <900N           | <750N     | <1100N              | Si<12%         | Si<12%               | <750N         | <1100N       | <1100N          | <1400N         | <1600N         |
| D05-MCE-CA<br>D05-MCS-EA   | ○          | ○                |             |            | ●               |           |                     |                |                      |               |              |                 |                |                |

● 非常适合 ○ 适合 ● VERY SUITABLE ○ SUITABLE

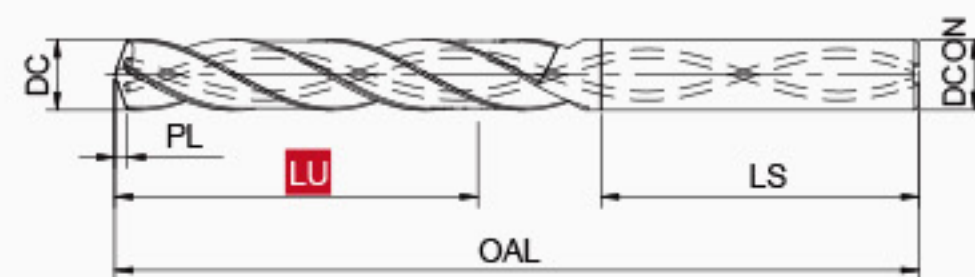
# D05-MCE-CA

## SOLID CARBIDE INTERNAL COOLING DRILLS

## 整硬内冷钻头

- 直径范围:Φ3~Φ20mm;
- 钻孔精度:IT8~IT9;
- 专用槽形,断屑优良;
- 良好的定心力,提高钻削稳定性;
- CS钻头,保证良好的导向和加工效果。

- Diameter range: Φ3~Φ20mm;
- Drilling accuracy: IT8~IT9;
- Special groove type, excellent chip removal;
- Strong centering ability improves drilling stability;
- CS drill tip blades, ensure good guiding and machining effect.



单位(Unit): mm

| 型号<br>MODEL       | 尺寸 SIZE    |     |     |    |    |              | 库存<br>INVENTORY |
|-------------------|------------|-----|-----|----|----|--------------|-----------------|
|                   | DC<br>(m7) | PL  | OAL | LU | LS | DCON<br>(h6) |                 |
| D05-MCE-CA03-1800 | 18.0       | 3.3 | 123 | 41 | 48 | 18           | △               |
| D05-MCE-CA03-1810 | 18.1       | 3.3 | 131 | 49 | 50 | 20           | △               |
| D05-MCE-CA03-1820 | 18.2       | 3.3 | 131 | 49 | 50 | 20           | △               |
| D05-MCE-CA03-1830 | 18.3       | 3.3 | 131 | 49 | 50 | 20           | △               |
| D05-MCE-CA03-1840 | 18.4       | 3.3 | 131 | 49 | 50 | 20           | △               |
| D05-MCE-CA03-1850 | 18.5       | 3.4 | 131 | 49 | 50 | 20           | △               |
| D05-MCE-CA03-1860 | 18.6       | 3.4 | 131 | 49 | 50 | 20           | △               |
| D05-MCE-CA03-1870 | 18.7       | 3.4 | 131 | 49 | 50 | 20           | △               |
| D05-MCE-CA03-1880 | 18.8       | 3.4 | 131 | 49 | 50 | 20           | △               |
| D05-MCE-CA03-1890 | 18.9       | 3.4 | 131 | 49 | 50 | 20           | △               |
| D05-MCE-CA03-1900 | 19.0       | 3.5 | 131 | 49 | 50 | 20           | △               |
| D05-MCE-CA03-1910 | 19.1       | 3.5 | 131 | 49 | 50 | 20           | △               |
| D05-MCE-CA03-1920 | 19.2       | 3.5 | 131 | 49 | 50 | 20           | △               |
| D05-MCE-CA03-1930 | 19.3       | 3.5 | 131 | 49 | 50 | 20           | △               |
| D05-MCE-CA03-1940 | 19.4       | 3.5 | 131 | 49 | 50 | 20           | △               |
| D05-MCE-CA03-1950 | 19.5       | 3.5 | 131 | 49 | 50 | 20           | △               |
| D05-MCE-CA03-1960 | 19.6       | 3.6 | 131 | 49 | 50 | 20           | △               |
| D05-MCE-CA03-1970 | 19.7       | 3.6 | 131 | 49 | 50 | 20           | △               |
| D05-MCE-CA03-1980 | 19.8       | 3.6 | 131 | 49 | 50 | 20           | △               |
| D05-MCE-CA03-1990 | 19.9       | 3.6 | 131 | 49 | 50 | 20           | △               |
| D05-MCE-CA03-2000 | 20.0       | 3.6 | 131 | 49 | 50 | 20           | △               |

▲ 常备库存 △ 按订单生产 ▲ YES △ NO

### 被加工材料适用表 APPLICABLE TABLE OF PROCESSED MATERIALS

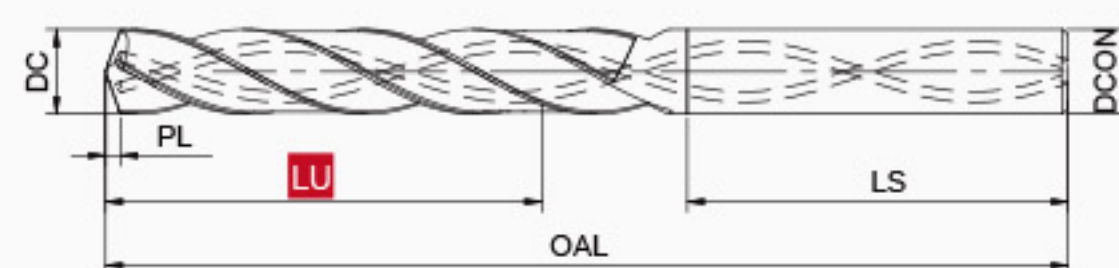
| ISO代码                      | P                 | P                          | P                  | P                 | M                         | K              | K                              | N                        | N                                    | N                       | S                       | S                         | H                        | H                        |
|----------------------------|-------------------|----------------------------|--------------------|-------------------|---------------------------|----------------|--------------------------------|--------------------------|--------------------------------------|-------------------------|-------------------------|---------------------------|--------------------------|--------------------------|
| 工件材料<br>WORKPIECE MATERIAL | 低碳钢<br>MLID STEEL | 结构钢<br>STRUCTURSL<br>STEEL | 合金钢<br>ALLOR STEEL | 工具钢<br>TOOL STEEL | 不锈钢<br>STAINLESS<br>STEEL | 铸铁<br>CASTIRON | 可锻铸铁<br>MALLEABLE<br>CAST IRON | 铝合金<br>ALUMINUM<br>ALLOY | 铸造<br>铝合金<br>CAST ALUMINUM<br>ALLOYS | 铜合金<br>COPPER<br>ALLOYS | 高温合金<br>SUPER<br>ALLOYS | 钛合金<br>TITANIUM<br>ALLOYS | 淬硬钢<br>HARDENED<br>STEEL | 淬硬钢<br>HARDENED<br>STEEL |
|                            | <500N             | <750N                      | <1400N             | <1200N            | <900N                     | <750N          | <1100N                         | Si<12%                   | Si<12%                               | <750N                   | <1100N                  | <1100N                    | <1400N                   | <1600N                   |
| D05-MCE-CA<br>D05-MCS-EA   | ○                 | ○                          |                    |                   | ●                         |                |                                |                          |                                      |                         |                         |                           |                          |                          |

● 非常适合 ○ 适合 ● VERY SUITABLE ○ SUITABLE

# D05-MCE-CA SOLID CARBIDE INTERNAL COOLING DRILLS 整硬内冷钻头

- 直径范围:  $\Phi 3 \sim \Phi 20\text{mm}$ ;
- 钻孔精度: IT8~IT9;
- 专用槽形, 断屑优良;
- 良好的定心力, 提高钻削稳定性;
- CS钻尖, 保证良好的导向和加工效果。

- Diameter range:  $\Phi 3 \sim \Phi 20\text{mm}$ ;
- Drilling accuracy: IT8~IT9;
- Special groove type, excellent chip removal;
- Strong centering ability improves drilling stability;
- CS drill tip, ensure good guiding and machining effect.



单位(Unit): mm

| 型号<br>MODEL       | 尺寸 SIZE    |     |     |    |    |              | 库存<br>INVENTORY |  | 型号<br>MODEL       | 尺寸 SIZE    |     |     |    |    |              | 库存<br>INVENTORY |
|-------------------|------------|-----|-----|----|----|--------------|-----------------|--|-------------------|------------|-----|-----|----|----|--------------|-----------------|
|                   | DC<br>(mm) | PL  | OAL | LU | LS | DCON<br>(mm) |                 |  |                   | DC<br>(mm) | PL  | OAL | LU | LS | DCON<br>(mm) |                 |
| D05-MCE-CA05-0300 | 3.0        | 0.5 | 66  | 21 | 36 | 4/6          | ▲               |  | D05-MCE-CA05-0550 | 5.5        | 1.0 | 82  | 32 | 36 | 6            | ▲               |
| D05-MCE-CA05-0310 | 3.1        | 0.6 | 66  | 21 | 36 | 4/6          | △               |  | D05-MCE-CA05-0560 | 5.6        | 1.0 | 82  | 32 | 36 | 6            | △               |
| D05-MCE-CA05-0320 | 3.2        | 0.6 | 66  | 21 | 36 | 4/6          | △               |  | D05-MCE-CA05-0570 | 5.7        | 1.0 | 82  | 32 | 36 | 6            | △               |
| D05-MCE-CA05-0330 | 3.3        | 0.6 | 66  | 21 | 36 | 4/6          | △               |  | D05-MCE-CA05-0580 | 5.8        | 1.1 | 82  | 32 | 36 | 6            | △               |
| D05-MCE-CA05-0340 | 3.4        | 0.6 | 66  | 21 | 36 | 4/6          | △               |  | D05-MCE-CA05-0590 | 5.9        | 1.1 | 82  | 32 | 36 | 6            | △               |
| D05-MCE-CA05-0350 | 3.5        | 0.6 | 66  | 21 | 36 | 4/6          | ▲               |  | D05-MCE-CA05-0600 | 6.0        | 1.1 | 82  | 32 | 36 | 6            | ▲               |
| D05-MCE-CA05-0360 | 3.6        | 0.7 | 66  | 21 | 36 | 4/6          | △               |  | D05-MCE-CA05-0610 | 6.1        | 1.1 | 91  | 35 | 36 | 8            | △               |
| D05-MCE-CA05-0370 | 3.7        | 0.7 | 66  | 21 | 36 | 4/6          | △               |  | D05-MCE-CA05-0620 | 6.2        | 1.1 | 91  | 35 | 36 | 8            | △               |
| D05-MCE-CA05-0380 | 3.8        | 0.7 | 74  | 27 | 36 | 4/6          | △               |  | D05-MCE-CA05-0630 | 6.3        | 1.1 | 91  | 35 | 36 | 8            | △               |
| D05-MCE-CA05-0390 | 3.9        | 0.7 | 74  | 27 | 36 | 4/6          | △               |  | D05-MCE-CA05-0640 | 6.4        | 1.2 | 91  | 35 | 36 | 8            | △               |
| D05-MCE-CA05-0400 | 4.0        | 0.7 | 74  | 27 | 36 | 4/6          | ▲               |  | D05-MCE-CA05-0650 | 6.5        | 1.2 | 91  | 35 | 36 | 8            | ▲               |
| D05-MCE-CA05-0410 | 4.1        | 0.7 | 74  | 27 | 36 | 6            | △               |  | D05-MCE-CA05-0660 | 6.6        | 1.2 | 91  | 35 | 36 | 8            | △               |
| D05-MCE-CA05-0420 | 4.2        | 0.8 | 74  | 27 | 36 | 6            | △               |  | D05-MCE-CA05-0670 | 6.7        | 1.2 | 91  | 35 | 36 | 8            | △               |
| D05-MCE-CA05-0430 | 4.3        | 0.8 | 74  | 27 | 36 | 6            | △               |  | D05-MCE-CA05-0680 | 6.8        | 1.2 | 91  | 40 | 36 | 8            | △               |
| D05-MCE-CA05-0440 | 4.4        | 0.8 | 74  | 27 | 36 | 6            | △               |  | D05-MCE-CA05-0690 | 6.9        | 1.3 | 91  | 40 | 36 | 8            | △               |
| D05-MCE-CA05-0450 | 4.5        | 0.8 | 74  | 27 | 36 | 6            | ▲               |  | D05-MCE-CA05-0700 | 7.0        | 1.3 | 91  | 40 | 36 | 8            | ▲               |
| D05-MCE-CA05-0460 | 4.6        | 0.8 | 74  | 27 | 36 | 6            | △               |  | D05-MCE-CA05-0710 | 7.1        | 1.3 | 91  | 40 | 36 | 8            | △               |
| D05-MCE-CA05-0470 | 4.7        | 0.9 | 74  | 27 | 36 | 6            | △               |  | D05-MCE-CA05-0720 | 7.2        | 1.3 | 91  | 40 | 36 | 8            | △               |
| D05-MCE-CA05-0480 | 4.8        | 0.9 | 82  | 32 | 36 | 6            | △               |  | D05-MCE-CA05-0730 | 7.3        | 1.3 | 91  | 40 | 36 | 8            | △               |
| D05-MCE-CA05-0490 | 4.9        | 0.9 | 82  | 32 | 36 | 6            | △               |  | D05-MCE-CA05-0740 | 7.4        | 1.3 | 91  | 40 | 36 | 8            | △               |
| D05-MCE-CA05-0500 | 5.0        | 0.9 | 82  | 32 | 36 | 6            | ▲               |  | D05-MCE-CA05-0750 | 7.5        | 1.4 | 91  | 40 | 36 | 8            | ▲               |
| D05-MCE-CA05-0510 | 5.1        | 0.9 | 82  | 32 | 36 | 6            | △               |  | D05-MCE-CA05-0760 | 7.6        | 1.4 | 91  | 42 | 36 | 8            | △               |
| D05-MCE-CA05-0520 | 5.2        | 0.9 | 82  | 32 | 36 | 6            | △               |  | D05-MCE-CA05-0770 | 7.7        | 1.4 | 91  | 42 | 36 | 8            | △               |
| D05-MCE-CA05-0530 | 5.3        | 1.0 | 82  | 32 | 36 | 6            | △               |  | D05-MCE-CA05-0780 | 7.8        | 1.4 | 91  | 42 | 36 | 8            | △               |
| D05-MCE-CA05-0540 | 5.4        | 1.0 | 82  | 32 | 36 | 6            | △               |  | D05-MCE-CA05-0790 | 7.9        | 1.4 | 91  | 42 | 36 | 8            | △               |

▲ 常备库存 △ 按订单生产 ▲ YES △ NO

## 被加工材料适用表 APPLICABLE TABLE OF PROCESSED MATERIALS

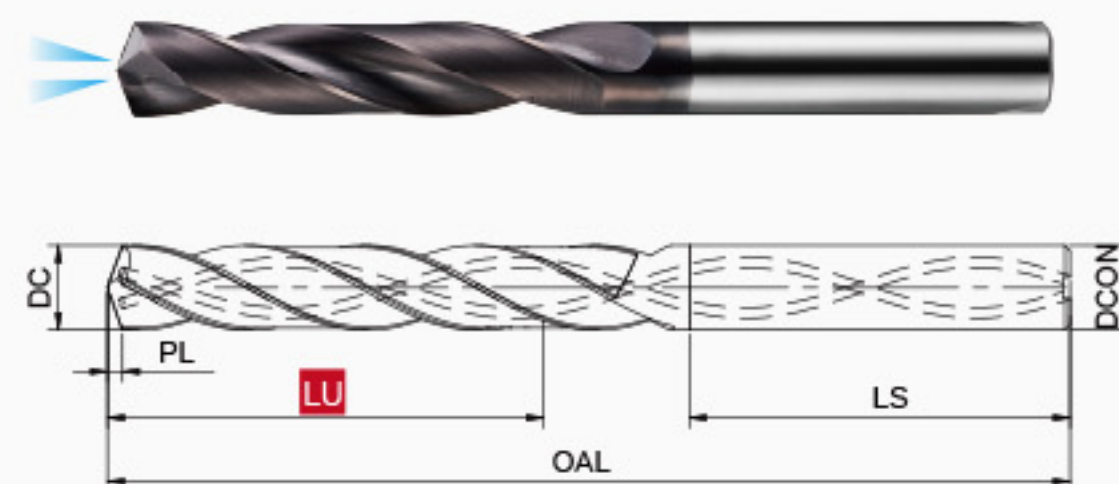
| ISO代码                      | P          | P                | P           | P          | M               | K         | K                   | N              | N                    | N             | S            | S               | H              | H              |
|----------------------------|------------|------------------|-------------|------------|-----------------|-----------|---------------------|----------------|----------------------|---------------|--------------|-----------------|----------------|----------------|
| 工件材料<br>WORKPIECE MATERIAL | 低碳钢        | 结构钢              | 合金钢         | 工具钢        | 不锈钢             | 铸铁        | 可锻铸铁                | 铝合金            | 铸造铝合金                | 铜合金           | 高温合金         | 钛合金             | 淬硬钢            | 淬硬钢            |
|                            | MILD STEEL | STRUCTURAL STEEL | ALLOY STEEL | TOOL STEEL | STAINLESS STEEL | CAST IRON | MALLEABLE CAST IRON | ALUMINUM ALLOY | CAST ALUMINUM ALLOYS | COPPER ALLOYS | SUPER ALLOYS | TITANIUM ALLOYS | HARDENED STEEL | HARDENED STEEL |
|                            | <500N      | <750N            | <1400N      | <1200N     | <900N           | <750N     | <1100N              | Si<12%         | Si<12%               | <750N         | <1100N       | <1100N          | <1400N         | <1600N         |
| D05-MCE-CA<br>D05-MCS-EA   | ○          | ○                |             |            | ●               |           |                     |                |                      |               |              |                 |                |                |

● 非常适合 ○ 适合 ● VERY SUITABLE ○ SUITABLE

# D05-MCE-CA SOLID CARBIDE INTERNAL COOLING DRILLS 整硬内冷钻头

- 直径范围:Φ3~Φ20mm;
- 钻孔精度:IT8~IT9;
- 专用槽形,断屑优良;
- 良好的定心力,提高钻削稳定性;
- CS钻头,保证良好的导向和加工效果。

- Diameter range: Φ3~Φ20mm;
- Drilling accuracy: IT8~IT9;
- Special groove type, excellent chip removal;
- Strong centering ability improves drilling stability;
- CS drill tip blades, ensure good guiding and machining effect.



单位(Unit): mm

| 型号<br>MODEL       | 尺寸 SIZE    |     |     |    |    |              | 库存<br>INVENTORY | 型号<br>MODEL       | 尺寸 SIZE    |     |     |    |    |              | 库存<br>INVENTORY |
|-------------------|------------|-----|-----|----|----|--------------|-----------------|-------------------|------------|-----|-----|----|----|--------------|-----------------|
|                   | DC<br>(mm) | PL  | OAL | LU | LS | DCON<br>(mm) |                 |                   | DC<br>(mm) | PL  | OAL | LU | LS | DCON<br>(mm) |                 |
| D05-MCE-CA05-0800 | 8.0        | 1.5 | 91  | 42 | 36 | 8            | ▲               | D05-MCE-CA05-1050 | 10.5       | 1.9 | 118 | 48 | 45 | 12           | ▲               |
| D05-MCE-CA05-0810 | 8.1        | 1.5 | 103 | 42 | 40 | 10           | △               | D05-MCE-CA05-1060 | 10.6       | 1.9 | 118 | 56 | 45 | 12           | △               |
| D05-MCE-CA05-0820 | 8.2        | 1.5 | 103 | 42 | 40 | 10           | △               | D05-MCE-CA05-1070 | 10.7       | 1.9 | 118 | 56 | 45 | 12           | △               |
| D05-MCE-CA05-0830 | 8.3        | 1.5 | 103 | 42 | 40 | 10           | △               | D05-MCE-CA05-1080 | 10.8       | 2.0 | 118 | 56 | 45 | 12           | △               |
| D05-MCE-CA05-0840 | 8.4        | 1.5 | 103 | 42 | 40 | 10           | △               | D05-MCE-CA05-1090 | 10.9       | 2.0 | 118 | 56 | 45 | 12           | △               |
| D05-MCE-CA05-0850 | 8.5        | 1.5 | 103 | 42 | 40 | 10           | ▲               | D05-MCE-CA05-1100 | 11.0       | 2.0 | 118 | 56 | 45 | 12           | ▲               |
| D05-MCE-CA05-0860 | 8.6        | 1.6 | 103 | 45 | 40 | 10           | △               | D05-MCE-CA05-1110 | 11.1       | 2.0 | 118 | 56 | 45 | 12           | △               |
| D05-MCE-CA05-0870 | 8.7        | 1.6 | 103 | 45 | 40 | 10           | △               | D05-MCE-CA05-1120 | 11.2       | 2.0 | 118 | 56 | 45 | 12           | △               |
| D05-MCE-CA05-0880 | 8.8        | 1.6 | 103 | 45 | 40 | 10           | △               | D05-MCE-CA05-1130 | 11.3       | 2.1 | 118 | 56 | 45 | 12           | △               |
| D05-MCE-CA05-0890 | 8.9        | 1.6 | 103 | 45 | 40 | 10           | △               | D05-MCE-CA05-1140 | 11.4       | 2.1 | 118 | 56 | 45 | 12           | △               |
| D05-MCE-CA05-0900 | 9.0        | 1.6 | 103 | 45 | 40 | 10           | ▲               | D05-MCE-CA05-1150 | 11.5       | 2.1 | 118 | 56 | 45 | 12           | ▲               |
| D05-MCE-CA05-0910 | 9.1        | 1.7 | 103 | 45 | 40 | 10           | △               | D05-MCE-CA05-1160 | 11.6       | 2.1 | 118 | 56 | 45 | 12           | △               |
| D05-MCE-CA05-0920 | 9.2        | 1.7 | 103 | 45 | 40 | 10           | △               | D05-MCE-CA05-1170 | 11.7       | 2.1 | 118 | 56 | 45 | 12           | △               |
| D05-MCE-CA05-0930 | 9.3        | 1.7 | 103 | 45 | 40 | 10           | △               | D05-MCE-CA05-1180 | 11.8       | 2.1 | 118 | 56 | 45 | 12           | △               |
| D05-MCE-CA05-0940 | 9.4        | 1.7 | 103 | 45 | 40 | 10           | △               | D05-MCE-CA05-1190 | 11.9       | 2.2 | 118 | 56 | 45 | 12           | △               |
| D05-MCE-CA05-0950 | 9.5        | 1.7 | 103 | 45 | 40 | 10           | ▲               | D05-MCE-CA05-1200 | 12.0       | 2.2 | 118 | 56 | 45 | 12           | ▲               |
| D05-MCE-CA05-0960 | 9.6        | 1.7 | 103 | 48 | 40 | 10           | △               | D05-MCE-CA05-1210 | 12.1       | 2.2 | 124 | 56 | 45 | 14           | △               |
| D05-MCE-CA05-0970 | 9.7        | 1.8 | 103 | 48 | 40 | 10           | △               | D05-MCE-CA05-1220 | 12.2       | 2.2 | 124 | 56 | 45 | 14           | △               |
| D05-MCE-CA05-0980 | 9.8        | 1.8 | 103 | 48 | 40 | 10           | △               | D05-MCE-CA05-1230 | 12.3       | 2.2 | 124 | 56 | 45 | 14           | △               |
| D05-MCE-CA05-0990 | 9.9        | 1.8 | 103 | 48 | 40 | 10           | △               | D05-MCE-CA05-1240 | 12.4       | 2.3 | 124 | 56 | 45 | 14           | △               |
| D05-MCE-CA05-1000 | 10.0       | 1.8 | 103 | 48 | 40 | 10           | ▲               | D05-MCE-CA05-1250 | 12.5       | 2.3 | 124 | 56 | 45 | 14           | ▲               |
| D05-MCE-CA05-1010 | 10.1       | 1.8 | 118 | 48 | 45 | 12           | △               | D05-MCE-CA05-1260 | 12.6       | 2.3 | 124 | 56 | 45 | 14           | △               |
| D05-MCE-CA05-1020 | 10.2       | 1.9 | 118 | 48 | 45 | 12           | △               | D05-MCE-CA05-1270 | 12.7       | 2.3 | 124 | 56 | 45 | 14           | △               |
| D05-MCE-CA05-1030 | 10.3       | 1.9 | 118 | 48 | 45 | 12           | △               | D05-MCE-CA05-1280 | 12.8       | 2.3 | 124 | 56 | 45 | 14           | △               |
| D05-MCE-CA05-1040 | 10.4       | 1.9 | 118 | 48 | 45 | 12           | △               | D05-MCE-CA05-1290 | 12.9       | 2.3 | 124 | 56 | 45 | 14           | △               |

▲ 常备库存 △ 按订单生产 ▲ YES △ NO

## 被加工材料适用表 APPLICABLE TABLE OF PROCESSED MATERIALS

| ISO代码                      | P                | P                       | P                  | P                 | M                      | K               | K                           | N                     | N                             | N                    | S                    | S                      | H                     | H                     |
|----------------------------|------------------|-------------------------|--------------------|-------------------|------------------------|-----------------|-----------------------------|-----------------------|-------------------------------|----------------------|----------------------|------------------------|-----------------------|-----------------------|
| 工件材料<br>WORKPIECE MATERIAL | 低碳钢<br>MLD STEEL | 结构钢<br>STRUCTURAL STEEL | 合金钢<br>ALLOY STEEL | 工具钢<br>TOOL STEEL | 不锈钢<br>STAINLESS STEEL | 铸铁<br>CAST IRON | 可锻铸铁<br>MALLEABLE CAST IRON | 铝合金<br>ALUMINUM ALLOY | 铸造铝合金<br>CAST ALUMINUM ALLOYS | 铜合金<br>COPPER ALLOYS | 高温合金<br>SUPER ALLOYS | 钛合金<br>TITANIUM ALLOYS | 淬硬钢<br>HARDENED STEEL | 淬硬钢<br>HARDENED STEEL |
|                            | <500N            | <750N                   | <1400N             | <1200N            | <900N                  | <750N           | <1100N                      | Si<12%                | Si<12%                        | <750N                | <1100N               | <1100N                 | <1400N                | <1600N                |
| D05-MCE-CA<br>D05-MCS-EA   | ○                | ○                       |                    |                   | ●                      |                 |                             |                       |                               |                      |                      |                        |                       |                       |

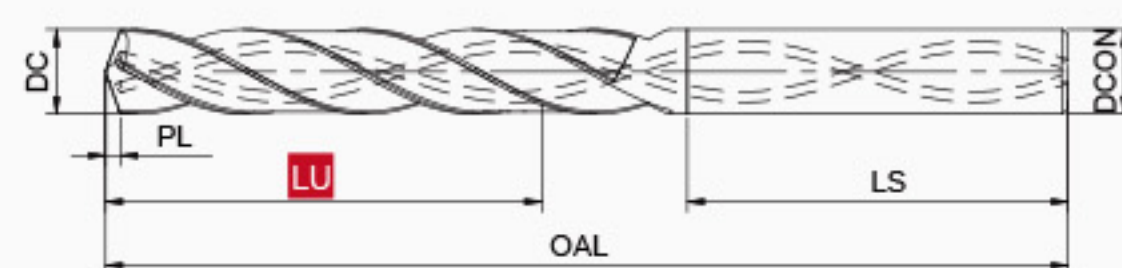
● 非常适合 ○ 适合 ● VERY SUITABLE ○ SUITABLE

# D05-MCE-CA SOLID CARBIDE INTERNAL COOLING DRILLS

## 整硬内冷钻头

- 直径范围:  $\Phi 3 \sim \Phi 20\text{mm}$ ;
- 钻孔精度: IT8~IT9;
- 专用槽形, 断屑优良;
- 良好的定心力, 提高钻削稳定性;
- CS 钻尖, 保证良好的导向和加工效果。

- Diameter range:  $\Phi 3 \sim \Phi 20\text{mm}$ ;
- Drilling accuracy: IT8~IT9;
- Special groove type, excellent chip removal;
- Strong centering ability improves drilling stability;
- CS drill tip, ensure good guiding and machining effect.



单位(Unit): mm

| 型号<br>MODEL       | 尺寸 SIZE    |     |     |    |    |              | 库存<br>INVENTORY |  | 型号<br>MODEL       | 尺寸 SIZE    |     |     |    |    |              | 库存<br>INVENTORY |
|-------------------|------------|-----|-----|----|----|--------------|-----------------|--|-------------------|------------|-----|-----|----|----|--------------|-----------------|
|                   | DC<br>(m7) | PL  | OAL | LU | LS | DCON<br>(h6) |                 |  |                   | DC<br>(m7) | PL  | OAL | LU | LS | DCON<br>(h6) |                 |
| D05-MCE-CA05-1300 | 13.0       | 2.4 | 124 | 56 | 45 | 14           | ▲               |  | D05-MCE-CA05-1550 | 15.5       | 2.8 | 133 | 62 | 48 | 16           | ▲               |
| D05-MCE-CA05-1310 | 13.1       | 2.4 | 124 | 59 | 45 | 14           | △               |  | D05-MCE-CA05-1560 | 15.6       | 2.8 | 133 | 62 | 48 | 16           | △               |
| D05-MCE-CA05-1320 | 13.2       | 2.4 | 124 | 59 | 45 | 14           | △               |  | D05-MCE-CA05-1570 | 15.7       | 2.9 | 133 | 62 | 48 | 16           | △               |
| D05-MCE-CA05-1330 | 13.3       | 2.4 | 124 | 59 | 45 | 14           | △               |  | D05-MCE-CA05-1580 | 15.8       | 2.9 | 133 | 62 | 48 | 16           | △               |
| D05-MCE-CA05-1340 | 13.4       | 2.4 | 124 | 59 | 45 | 14           | △               |  | D05-MCE-CA05-1590 | 15.9       | 2.9 | 133 | 62 | 48 | 16           | △               |
| D05-MCE-CA05-1350 | 13.5       | 2.5 | 124 | 59 | 45 | 14           | ▲               |  | D05-MCE-CA05-1600 | 16.0       | 2.9 | 133 | 62 | 48 | 16           | ▲               |
| D05-MCE-CA05-1360 | 13.6       | 2.5 | 124 | 59 | 45 | 14           | △               |  | D05-MCE-CA05-1610 | 16.1       | 2.9 | 143 | 64 | 48 | 18           | △               |
| D05-MCE-CA05-1370 | 13.7       | 2.5 | 124 | 59 | 45 | 14           | △               |  | D05-MCE-CA05-1620 | 16.2       | 2.9 | 143 | 64 | 48 | 18           | △               |
| D05-MCE-CA05-1380 | 13.8       | 2.5 | 124 | 59 | 45 | 14           | △               |  | D05-MCE-CA05-1630 | 16.3       | 3.0 | 143 | 64 | 48 | 18           | △               |
| D05-MCE-CA05-1390 | 13.9       | 2.5 | 124 | 59 | 45 | 14           | △               |  | D05-MCE-CA05-1640 | 16.4       | 3.0 | 143 | 64 | 48 | 18           | △               |
| D05-MCE-CA05-1400 | 14.0       | 2.5 | 124 | 59 | 45 | 14           | ▲               |  | D05-MCE-CA05-1650 | 16.5       | 3.0 | 143 | 64 | 48 | 18           | △               |
| D05-MCE-CA05-1410 | 14.1       | 2.6 | 133 | 60 | 48 | 16           | △               |  | D05-MCE-CA05-1660 | 16.6       | 3.0 | 143 | 64 | 48 | 18           | △               |
| D05-MCE-CA05-1420 | 14.2       | 2.6 | 133 | 60 | 48 | 16           | △               |  | D05-MCE-CA05-1670 | 16.7       | 3.0 | 143 | 64 | 48 | 18           | △               |
| D05-MCE-CA05-1430 | 14.3       | 2.6 | 133 | 60 | 48 | 16           | △               |  | D05-MCE-CA05-1680 | 16.8       | 3.1 | 143 | 64 | 48 | 18           | △               |
| D05-MCE-CA05-1440 | 14.4       | 2.6 | 133 | 60 | 48 | 16           | △               |  | D05-MCE-CA05-1690 | 16.9       | 3.1 | 143 | 64 | 48 | 18           | △               |
| D05-MCE-CA05-1450 | 14.5       | 2.6 | 133 | 60 | 48 | 16           | ▲               |  | D05-MCE-CA05-1700 | 17.0       | 3.1 | 143 | 64 | 48 | 18           | △               |
| D05-MCE-CA05-1460 | 14.6       | 2.7 | 133 | 60 | 48 | 16           | △               |  | D05-MCE-CA05-1710 | 17.1       | 3.1 | 143 | 66 | 48 | 18           | △               |
| D05-MCE-CA05-1470 | 14.7       | 2.7 | 133 | 60 | 48 | 16           | △               |  | D05-MCE-CA05-1720 | 17.2       | 3.1 | 143 | 66 | 48 | 18           | △               |
| D05-MCE-CA05-1480 | 14.8       | 2.7 | 133 | 60 | 48 | 16           | △               |  | D05-MCE-CA05-1730 | 17.3       | 3.1 | 143 | 66 | 48 | 18           | △               |
| D05-MCE-CA05-1490 | 14.9       | 2.7 | 133 | 60 | 48 | 16           | △               |  | D05-MCE-CA05-1740 | 17.4       | 3.2 | 143 | 66 | 48 | 18           | △               |
| D05-MCE-CA05-1500 | 15.0       | 2.7 | 133 | 60 | 48 | 16           | ▲               |  | D05-MCE-CA05-1750 | 17.5       | 3.2 | 143 | 66 | 48 | 18           | △               |
| D05-MCE-CA05-1510 | 15.1       | 2.7 | 133 | 62 | 48 | 16           | △               |  | D05-MCE-CA05-1760 | 17.6       | 3.2 | 143 | 66 | 48 | 18           | △               |
| D05-MCE-CA05-1520 | 15.2       | 2.8 | 133 | 62 | 48 | 16           | △               |  | D05-MCE-CA05-1770 | 17.7       | 3.2 | 143 | 66 | 48 | 18           | △               |
| D05-MCE-CA05-1530 | 15.3       | 2.8 | 133 | 62 | 48 | 16           | △               |  | D05-MCE-CA05-1780 | 17.8       | 3.2 | 143 | 66 | 48 | 18           | △               |
| D05-MCE-CA05-1540 | 15.4       | 2.8 | 133 | 62 | 48 | 16           | △               |  | D05-MCE-CA05-1790 | 17.9       | 3.3 | 143 | 66 | 48 | 18           | △               |

▲ 常备库存 △ 按订单生产 ▲ YES △ NO

### 被加工材料适用表 APPLICABLE TABLE OF PROCESSED MATERIALS

| ISO代码                      | P          | P                   | P           | P          | M                  | K         | K                      | N                 | N                       | N                | S               | S                  | H                 | H                 |
|----------------------------|------------|---------------------|-------------|------------|--------------------|-----------|------------------------|-------------------|-------------------------|------------------|-----------------|--------------------|-------------------|-------------------|
| 工件材料<br>WORKPIECE MATERIAL | 低碳钢        | 结构钢                 | 合金钢         | 工具钢        | 不锈钢                | 铸铁        | 可锻铸铁                   | 铝合金               | 铸造<br>铝合金               | 铜合金              | 高温合金            | 钛合金                | 淬硬钢               | 淬硬钢               |
|                            | MILD STEEL | STRUCTURAL<br>STEEL | ALLOY STEEL | TOOL STEEL | STAINLESS<br>STEEL | CAST IRON | MALLEABLE<br>CAST IRON | ALUMINUM<br>ALLOY | CAST ALUMINUM<br>ALLOYS | COPPER<br>ALLOYS | SUPER<br>ALLOYS | TITANIUM<br>ALLOYS | HARDENED<br>STEEL | HARDENED<br>STEEL |
|                            | <500N      | <750N               | <1400N      | <1200N     | <900N              | <750N     | <1100N                 | Si<12%            | Si<12%                  | <750N            | <1100N          | <1100N             | <1400N            | <1600N            |
| D05-MCE-CA<br>D05-MCS-EA   | ○          | ○                   |             |            | ●                  |           |                        |                   |                         |                  |                 |                    |                   |                   |

● 非常适合 ○ 适合 ● VERY SUITABLE ○ SUITABLE

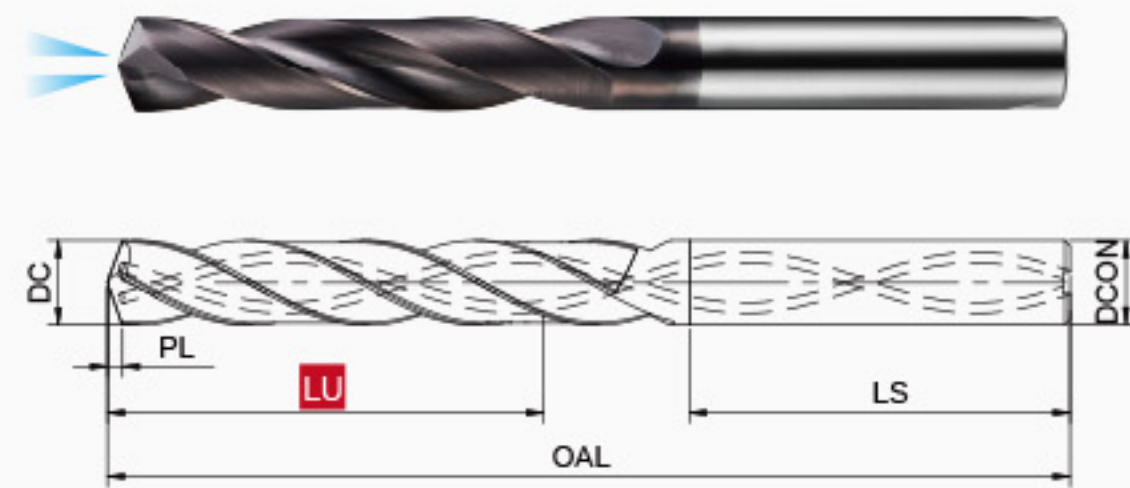
# D05-MCE-CA

## SOLID CARBIDE INTERNAL COOLING DRILLS

## 整硬内冷钻头

- 直径范围:Φ3~Φ20mm;
- 钻孔精度:IT8~IT9;
- 专用槽形,断屑优良;
- 良好的定心力,提高钻削稳定性;
- CS钻尖,保证良好的导向和加工效果。

- Diameter range: Φ3~Φ20mm;
- Drilling accuracy: IT8~IT9;
- Special groove type, excellent chip removal;
- Strong centering ability improves drilling stability;
- CS drill tip blades, ensure good guiding and machining effect.



单位(Unit): mm

| 型号<br>MODEL       | 尺寸 SIZE    |     |     |    |    |              | 库存<br>INVENTORY |
|-------------------|------------|-----|-----|----|----|--------------|-----------------|
|                   | DC<br>(m7) | PL  | OAL | LU | LS | DCON<br>(h6) |                 |
| D05-MCE-CA05-1800 | 18.0       | 3.3 | 143 | 66 | 48 | 18           | △               |
| D05-MCE-CA05-1810 | 18.1       | 3.3 | 153 | 71 | 50 | 20           | △               |
| D05-MCE-CA05-1820 | 18.2       | 3.3 | 153 | 71 | 50 | 20           | △               |
| D05-MCE-CA05-1830 | 18.3       | 3.3 | 153 | 71 | 50 | 20           | △               |
| D05-MCE-CA05-1840 | 18.4       | 3.3 | 153 | 71 | 50 | 20           | △               |
| D05-MCE-CA05-1850 | 18.5       | 3.4 | 153 | 71 | 50 | 20           | △               |
| D05-MCE-CA05-1860 | 18.6       | 3.4 | 153 | 71 | 50 | 20           | △               |
| D05-MCE-CA05-1870 | 18.7       | 3.4 | 153 | 71 | 50 | 20           | △               |
| D05-MCE-CA05-1880 | 18.8       | 3.4 | 153 | 71 | 50 | 20           | △               |
| D05-MCE-CA05-1890 | 18.9       | 3.4 | 153 | 71 | 50 | 20           | △               |
| D05-MCE-CA05-1900 | 19.0       | 3.5 | 153 | 71 | 50 | 20           | △               |

| 型号<br>MODEL       | 尺寸 SIZE    |     |     |    |    |              | 库存<br>INVENTORY |
|-------------------|------------|-----|-----|----|----|--------------|-----------------|
|                   | DC<br>(m7) | PL  | OAL | LU | LS | DCON<br>(h6) |                 |
| D05-MCE-CA05-1910 | 19.1       | 3.5 | 153 | 71 | 50 | 20           | △               |
| D05-MCE-CA05-1920 | 19.2       | 3.5 | 153 | 71 | 50 | 20           | △               |
| D05-MCE-CA05-1930 | 19.3       | 3.5 | 153 | 71 | 50 | 20           | △               |
| D05-MCE-CA05-1940 | 19.4       | 3.5 | 153 | 71 | 50 | 20           | △               |
| D05-MCE-CA05-1950 | 19.5       | 3.5 | 153 | 71 | 50 | 20           | △               |
| D05-MCE-CA05-1960 | 19.6       | 3.6 | 153 | 71 | 50 | 20           | △               |
| D05-MCE-CA05-1970 | 19.7       | 3.6 | 153 | 71 | 50 | 20           | △               |
| D05-MCE-CA05-1980 | 19.8       | 3.6 | 153 | 71 | 50 | 20           | △               |
| D05-MCE-CA05-1990 | 19.9       | 3.6 | 153 | 71 | 50 | 20           | △               |
| D05-MCE-CA05-2000 | 20.0       | 3.6 | 153 | 71 | 50 | 20           | △               |

▲ 常备库存 △ 按订单生产 ▲ YES △ NO

### 被加工材料适用表 APPLICABLE TABLE OF PROCESSED MATERIALS

| ISO代码                      | P                 | P                          | P                  | P                 | M                         | K              | K                              | N                        | N                                    | N                       | S                       | S                         | H                        | H                        |
|----------------------------|-------------------|----------------------------|--------------------|-------------------|---------------------------|----------------|--------------------------------|--------------------------|--------------------------------------|-------------------------|-------------------------|---------------------------|--------------------------|--------------------------|
| 工件材料<br>WORKPIECE MATERIAL | 低碳钢<br>MLID STEEL | 结构钢<br>STRUCTURSL<br>STEEL | 合金钢<br>ALLOR STEEL | 工具钢<br>TOOL STEEL | 不锈钢<br>STAINLESS<br>STEEL | 铸铁<br>CASTIRON | 可锻铸铁<br>MALLEABLE<br>CAST IRON | 铝合金<br>ALUMINUM<br>ALLOY | 铸造<br>铝合金<br>CAST ALUMINUM<br>ALLOYS | 铜合金<br>COPPER<br>ALLOYS | 高温合金<br>SUPER<br>ALLOYS | 钛合金<br>TITANIUM<br>ALLOYS | 淬硬钢<br>HARDENED<br>STEEL | 淬硬钢<br>HARDENED<br>STEEL |
|                            | <500N             | <750N                      | <1400N             | <1200N            | <900N                     | <750N          | <1100N                         | Si<12%                   | Si<12%                               | <750N                   | <1100N                  | <1100N                    | <1400N                   | <1600N                   |
| D05-MCE-CA<br>D05-MCS-EA   | ○                 | ○                          |                    |                   | ●                         |                |                                |                          |                                      |                         |                         |                           |                          |                          |

● 非常适合 ○ 适合 ● VERY SUITABLE ○ SUITABLE