



Cutting Edge Tip Treatment!

절삭날 끝 처리!

Effectively suppresses chipping and step marks on machined surfaces.

가공 중 발생하는 날 깨짐(치핑) 및 가공면의 단차를 최대한 억제합니다.

Unique top groove design!

독특한 상부 홈 설계!

The Helix 0° SCBN geometry helps produce an excellent surface finish.

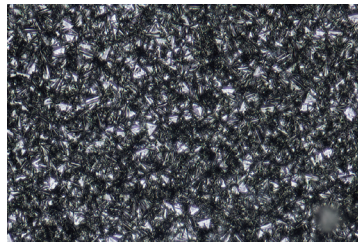
Helix 0° 각도의 SCBN 형상을 적용하여 뛰어난 정삭 가공면을 구현합니다.

8-layer multifunctional coating!

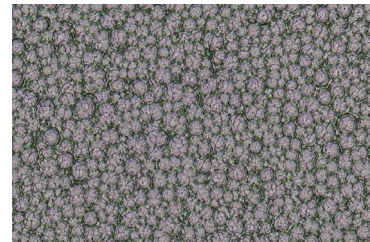
8층 다기능 코팅 적용!

An 8-layer wear-resistant coating extends tool life, prevents peeling, and delivers excellent performance.

코팅 수명을 연장하고 박리 현상을 방지하기 위해 내마모성이 뛰어난 8층 다중 코팅을 적용했으며, 우수한 성능을 제공합니다.



Micro-diamond coating



Nano-diamond coating

Micro-diamond coating

마이크로 다이아몬드 코팅

With a hardness of 9,000 - 10,000 HV, the coating has a relatively rough surface with an average roughness of Ra 0.3 or higher.

경도는 9000~10000 Hv에 달하며, 코팅 표면은 상대적으로 거칩니다.

평균 표면 조도는 Ra 0.3 이상입니다.

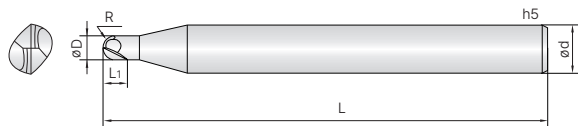
Nano-diamond coating

나노 다이아몬드 코팅

With a hardness of 4,000 - 7,000 HV, the coating provides a very smooth surface finish with Ra 0.03 - 0.1.

경도는 4000~7000 Hv에 달하며, 코팅 표면은 매우 매끄럽습니다.

표면 조도는 Ra 0.03~0.1입니다.



- 초경합금, 세라믹, 강화 플라스틱 등 다양한 피삭재 가공에 적합한 전용 엔드밀
- 멀티 CVD 코팅 적용으로 우수한 내마모성과 공구 수명 향상
- 다양한 절삭 조건에 대응 가능한 폭넓은 규격 구성
- 높은 강성과 안정적인 절삭 성능 제공

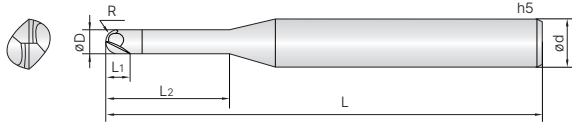
- **Dedicated end mills suitable for machining various work materials, including cemented carbide, ceramics, and reinforced plastics materials.**
- Multi-layer CVD coating provides excellent wear resistance and extended tool life
- Wide range of sizes available to support various cutting conditions
- High rigidity and stable cutting performance



D Size	D Tolerance
Ø0.2 ~ 6	+0 ~ -0.02mm

단위 : mm

[illegible]



- 초경합금, 세라믹, 강화 플라스틱 등 다양한 피삭재 가공에 적합한 전용 엔드밀
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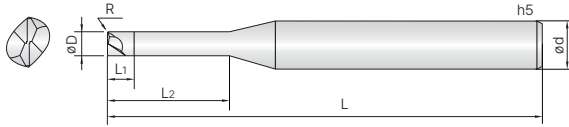
0.1 ~ 3R

6P

D Size	D Tolerance
Ø0.2 ~ 6	+0 ~ -0.02mm

단위 : mm

Order Number	날경 Diameter R X D	날장 Length of cut L1	유효장 Effective Length L1	전장 Overall Length L	샤프크 Shank Dia d
2MDCRB 002 003 S04	0.1R X 0.2	0.2	0.3	45	4
2MDCRB 002 005 S04	0.1R X 0.2	0.2	0.5	45	4
2MDCRB 002 007 S04	0.1R X 0.2	0.2	0.7	45	4
2MDCRB 002 010 S04	0.1R X 0.2	0.2	1	45	4
2MDCRB 003 005 S04	0.15R X 0.3	0.2	0.5	45	4
2MDCRB 003 007 S04	0.15R X 0.3	0.2	0.7	45	4
2MDCRB 003 010 S04	0.15R X 0.3	0.2	1	45	4
2MDCRB 004 005 S04	0.2R X 0.4	0.3	0.5	45	4
2MDCRB 004 007 S04	0.2R X 0.4	0.4	0.7	45	4
2MDCRB 004 010 S04	0.2R X 0.4	0.3	1	45	4
2MDCRB 004 015 S04	0.2R X 0.4	0.3	1.5	45	4
2MDCRB 004 020 S04	0.2R X 0.4	0.3	2	45	4
2MDCRB 004 025 S04	0.2R X 0.4	0.3	2.5	45	4
2MDCRB 006 010 S04	0.3R X 0.6	0.5	1	45	4
2MDCRB 006 015 S04	0.3R X 0.6	0.5	1.5	45	4
2MDCRB 006 020 S04	0.3R X 0.6	0.5	2	45	4
2MDCRB 006 030 S04	0.3R X 0.6	0.5	3	45	4
2MDCRB 006 040 S04	0.3R X 0.6	0.5	4	45	4
2MDCRB 006 050 S04	0.3R X 0.6	0.5	5	45	4
2MDCRB 006 060 S04	0.3R X 0.6	0.5	6	45	4
2MDCRB 008 020 S04	0.4R X 0.8	0.6	2	45	4
2MDCRB 008 030 S04	0.4R X 0.8	0.6	3	45	4
2MDCRB 008 040 S04	0.4R X 0.8	0.6	4	45	4
2MDCRB 008 050 S04	0.4R X 0.8	0.6	5	45	4
2MDCRB 008 060 S04	0.4R X 0.8	0.6	6	45	4
2MDCRB 008 080 S04	0.4R X 0.8	0.6	8	45	4
2MDCRB 010 015 S04	0.5R X 1	0.8	1.5	45	4
2MDCRB 010 020 S04	0.5R X 1	0.8	2	45	4
2MDCRB 010 025 S04	0.5R X 1	0.8	2.5	45	4
2MDCRB 010 030 S04	0.5R X 1	0.8	3	45	4
2MDCRB 010 040 S04	0.5R X 1	0.8	4	45	4
2MDCRB 010 060 S04	0.5R X 1	0.8	6	45	4
2MDCRB 010 080 S04	0.5R X 1	0.8	8	45	4
2MDCRB 010 100 S04	0.5R X 1	0.8	10	45	4
2MDCRB 015 020 S04	0.75R X 1.5	1.2	2	45	4
2MDCRB 015 040 S04	0.75R X 1.5	1.2	4	45	4
2MDCRB 015 060 S04	0.75R X 1.5	1.2	6	45	4
2MDCRB 015 080 S04	0.75R X 1.5	1.2	8	45	4
2MDCRB 015 100 S04	0.75R X 1.5	1.2	10	45	4
2MDCRB 015 120 S04	0.75R X 1.5	1.2	12	45	4
2MDCRB 020 030 S04	1R X 2	1.5	3	45	4
2MDCRB 020 040 S04	1R X 2	1.5	4	45	4
2MDCRB 020 060 S04	1R X 2	1.5	6	45	4
2MDCRB 020 080 S04	1R X 2	1.5	8	45	4
2MDCRB 020 100 S04	1R X 2	1.5	10	45	4
2MDCRB 020 120 S04	1R X 2	1.5	12	45	4
2MDCRB 020 140 S04	1R X 2	1.5	14	45	4
2MDCRB 020 160 S04	1R X 2	1.5	16	45	4
2MDCRB 030 060 S06	1.5R X 3	2.3	6	55	6
2MDCRB 030 080 S06	1.5R X 3	2.3	8	55	6
2MDCRB 030 100 S06	1.5R X 3	2.3	10	55	6
2MDCRB 030 120 S06	1.5R X 3	2.3	12	55	6
2MDCRB 030 140 S06	1.5R X 3	2.3	14	55	6
2MDCRB 030 150 S06	1.5R X 3	2.3	15	55	6
2MDCRB 040 080 S06	2R X 4	3	8	55	6
2MDCRB 040 100 S06	2R X 4	3	10	55	6
2MDCRB 040 150 S06	2R X 4	3	15	55	6
2MDCRB 050 100 S06	2.5R X 5	3.8	10	55	6
2MDCRB 050 150 S06	2.5R X 5	3.8	15	55	6
2MDCRB 060 100 S06	3R X 6	4.5	10	55	6
2MDCRB 060 150 S06	3R X 6	4.5	15	55	6



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D Size	D Tolerance
Ø0.25 ~ 6	+0 ~ -0.02mm

단위 : mm

Order Number	날경 Diameter D X R	날장 Length of cut L1	유효장 Effective Length L1	전장 Overall Length L	샙크 Shank Dia d
2MDCCR 0025 0003 005	0.25 X R0.03	0.2	0.5	45	4
2MDCCR 0025 0003 008	0.25 X R0.03	0.2	0.8	45	4
2MDCCR 0025 0005 005	0.25 X R0.05	0.2	0.5	45	4
2MDCCR 0025 0005 008	0.25 X R0.05	0.2	0.8	45	4
2MDCCR 003 0003 006	0.3 X R0.03	0.2	0.6	45	4
2MDCCR 003 0003 009	0.3 X R0.03	0.2	0.9	45	4
2MDCCR 003 0005 006	0.3 X R0.05	0.2	0.6	45	4
2MDCCR 003 0005 009	0.3 X R0.05	0.2	0.9	45	4
2MDCCR 005 0003 005	0.5 X R0.03	0.3	0.5	45	4
2MDCCR 005 0003 010	0.5 X R0.03	0.3	1	45	4
2MDCCR 005 0003 015	0.5 X R0.03	0.3	1.5	45	4
2MDCCR 005 0005 005	0.5 X R0.05	0.3	0.5	45	4
2MDCCR 005 0005 010	0.5 X R0.05	0.3	1	45	4
2MDCCR 005 0005 015	0.5 X R0.05	0.3	1.5	45	4
2MDCCR 006 0005 020	0.6 X R0.05	0.3	2	45	4
2MDCCR 008 0003 008	0.8 X R0.03	0.4	0.8	45	4
2MDCCR 008 0003 016	0.8 X R0.03	0.4	1.6	45	4
2MDCCR 008 0003 024	0.8 X R0.03	0.4	2.4	45	4
2MDCCR 008 0005 008	0.8 X R0.05	0.4	0.8	45	4
2MDCCR 008 0005 016	0.8 X R0.05	0.4	1.6	45	4
2MDCCR 008 0005 024	0.8 X R0.05	0.4	2.4	45	4
2MDCCR 008 001 008	0.8 X R0.1	0.4	0.8	45	4
2MDCCR 008 001 016	0.8 X R0.1	0.4	1.6	45	4
2MDCCR 008 001 024	0.8 X R0.1	0.4	2.4	45	4
2MDCCR 010 0003 010	1 X R0.03	0.5	1	45	4
2MDCCR 010 0003 020	1 X R0.03	0.5	2	45	4
2MDCCR 010 0003 040	1 X R0.03	0.5	4	45	4
2MDCCR 010 0003 060	1 X R0.03	0.5	6	45	4
2MDCCR 010 0005 010	1 X R0.05	0.5	1	45	4
2MDCCR 010 0005 012	1 X R0.05	0.5	1.2	45	4
2MDCCR 010 0005 020	1 X R0.05	0.5	2	45	4
2MDCCR 010 0005 040	1 X R0.05	0.5	4	45	4
2MDCCR 010 0005 060	1 X R0.05	0.5	6	45	4
2MDCCR 010 001 010	1 X R0.1	0.5	1	45	4
2MDCCR 010 001 020	1 X R0.1	0.5	2	45	4
2MDCCR 010 001 040	1 X R0.1	0.5	4	45	4
2MDCCR 010 001 060	1 X R0.1	0.5	6	45	4
2MDCCR 015 0003 015	1.5 X R0.03	0.8	1.5	45	4
2MDCCR 015 0003 030	1.5 X R0.03	0.8	3	45	4
2MDCCR 015 0005 015	1.5 X R0.05	0.8	1.5	45	4
2MDCCR 015 0005 030	1.5 X R0.05	0.8	3	45	4
2MDCCR 015 0001 015	1.5 X R0.1	0.8	1.5	45	4
2MDCCR 015 0001 030	1.5 X R0.1	0.8	3	45	4
2MDCCR 015 0001 040	1.5 X R0.1	0.8	4	45	4
2MDCCR 015 0001 060	1.5 X R0.1	0.8	6	45	4
2MDCCR 020 0003 020	2 X R0.03	1	2	45	4
2MDCCR 020 0003 040	2 X R0.03	1	4	45	4
2MDCCR 020 0003 060	2 X R0.03	1	6	45	4
2MDCCR 020 0003 080	2 X R0.03	1	8	45	4
2MDCCR 020 0003 100	2 X R0.03	1	10	45	4
2MDCCR 020 0005 020	2 X R0.05	1	2	45	4
2MDCCR 020 0005 040	2 X R0.05	1	4	45	4
2MDCCR 020 0005 060	2 X R0.05	1	6	45	4
2MDCCR 020 0005 080	2 X R0.05	1	8	45	4
2MDCCR 020 0005 100	2 X R0.05	1	10	45	4
2MDCCR 020 001 020	2 X R0.1	1	2	45	4
2MDCCR 020 001 040	2 X R0.1	1	4	45	4
2MDCCR 020 001 060	2 X R0.1	1	6	45	4
2MDCCR 020 001 080	2 X R0.1	1	8	45	4
2MDCCR 020 001 100	2 X R0.1	1	10	45	4
2MDCCR 030 0003 060	3 X R0.03	1.5	6	55	6
2MDCCR 030 0003 080	3 X R0.03	1.5	8	55	6
2MDCCR 030 0003 100	3 X R0.03	1.5	10	55	6
2MDCCR 030 0003 120	3 X R0.03	1.5	12	55	6
2MDCCR 030 0003 140	3 X R0.03	1.5	14	55	6
2MDCCR 030 0005 060	3 X R0.05	1.5	6	55	6
2MDCCR 030 0005 080	3 X R0.05	1.5	8	55	6
2MDCCR 030 0005 100	3 X R0.05	1.5	10	55	6
2MDCCR 030 0005 120	3 X R0.05	1.5	12	55	6
2MDCCR 030 0005 140	3 X R0.05	1.5	14	55	6
2MDCCR 030 001 060	3 X R0.1	1.5	6	55	6
2MDCCR 030 001 080	3 X R0.1	1.5	8	55	6
2MDCCR 030 001 100	3 X R0.1	1.5	10	55	6
2MDCCR 030 001 120	3 X R0.1	1.5	12	55	6
2MDCCR 030 001 140	3 X R0.1	1.5	14	55	6
2MDCCR 040 0003 080	4 X R0.03	2	8	55	6
2MDCCR 040 0003 100	4 X R0.03	2	10	55	6
2MDCCR 040 0003 150	4 X R0.03	2	15	55	6
2MDCCR 040 0005 080	4 X R0.05	2	8	55	6
2MDCCR 040 0005 100	4 X R0.05	2	10	55	6
2MDCCR 040 0005 150	4 X R0.05	2	15	55	6
2MDCCR 040 001 080	4 X R0.1	2	8	55	6
2MDCCR 040 001 100	4 X R0.1	2	10	55	6
2MDCCR 040 001 150	4 X R0.1	2	15	55	6
2MDCCR 050 0003 100	5 X R0.03	2.5	10	55	6
2MDCCR 050 0003 150	5 X R0.03	2.5	15	55	6
2MDCCR 050 0005 100	5 X R0.05	2.5	10	55	6
2MDCCR 050 0005 150	5 X R0.05	2.5	15	55	6
2MDCCR 050 001 100	5 X R0.1	2.5	10	55	6
2MDCCR 050 001 150	5 X R0.1	2.5	15	55	6
2MDCCR 060 0003 100	6 X R0.03	3	10	55	6
2MDCCR 060 0003 150	6 X R0.03	3	15	55	6
2MDCCR 060 0005 100	6 X R0.05	3	10	55	6
2MDCCR 060 0005 150	6 X R0.05	3	15	55	6
2MDCCR 060 001 100	6 X R0.1	3	10	55	6
2MDCCR 060 001 150	6 X R0.1	3	15	55	6