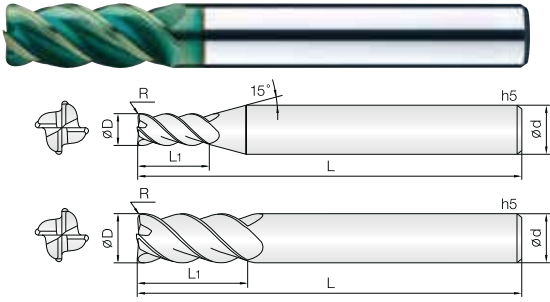


4날 45° 헬릭스 고정도재 가공용 제이제이 코너 레디우스 엔드밀

JJ series



- 고정도강 (HRC52~68), 프리하든강 계열의 고정밀 가공 엔드밀
- 고품질 실리콘계 코팅 (Si) 처리하여 내마모성이 우수합니다.
- 고정밀 공차 적용으로 초정밀 가공에 적합합니다.
- 코너R 형상을 날부치핑이 적도록 설계하였습니다.
- 45° 헬릭스 형상으로 설계하여 고속, 고이송 가공에 적합합니다.
- 초미립자 초경합금 (0.2µm)을 채택, 고속절삭시 뛰어난 성능을 발휘합니다.

Endmills for pre-hardened and hardened steels (HRC52~68)

- Good wear resistance by high quality Si-based PVD coating.
- High precise edge tolerance.
- Designed for minimizing edge chipping by corner R shape.
- 45° degree helix design for high speed, feed condition.
- Outstanding performance at high speed machining by ultra fine (0.2µm) WC grade.



R0.05 ~ 0.5 R1 ~ 1.5 R2 ~ 5

419P

Condition	D Size	D Tolerance
ØD ≠ Ød	Ø1 ~ 20	+0 ~ -0.01mm

Condition	D Size	D Tolerance
ØD = Ød	Ø6 ~ 12	-0.005 ~ -0.015mm
	Ø14 ~ 20	-0.01 ~ -0.02mm

단위 : mm

Order Number	날경 Diameter D × R	날장 Length of cut L1	전장 Overall Length L	생크 Shank Dia d	비고
4JJCR 010 0005 050	1 X R0.05	2	50	6	
4JJCR 010 001 050	1 X R0.1	2	50	6	
4JJCR 010 002 050	1 X R0.2	2	50	6	
4JJCR 010 003 050	1 X R0.3	2	50	6	
4JJCR 012 0005 050	1.2 X R0.05	2.5	50	6	
4JJCR 012 001 050	1.2 X R0.1	2.5	50	6	
4JJCR 012 002 050	1.2 X R0.2	2.5	50	6	
4JJCR 012 003 050	1.2 X R0.3	2.5	50	6	
4JJCR 015 0005 050	1.5 X R0.05	3	50	6	
4JJCR 015 001 050	1.5 X R0.1	3	50	6	
4JJCR 015 002 050	1.5 X R0.2	3	50	6	
4JJCR 015 003 050	1.5 X R0.3	3	50	6	
4JJCR 015 005 050	1.5 X R0.5	3	50	6	
4JJCR 020 001 050	2 X R0.1	5	50	6	
4JJCR 020 002 050	2 X R0.2	5	50	6	
4JJCR 020 003 050	2 X R0.3	5	50	6	
4JJCR 020 005 050	2 X R0.5	5	50	6	
4JJCR 025 001 060	2.5 X R0.1	6	60	6	
4JJCR 025 002 060	2.5 X R0.2	6	60	6	
4JJCR 025 003 060	2.5 X R0.3	6	60	6	
4JJCR 025 005 060	2.5 X R0.5	6	60	6	
4JJCR 030 001 070	3 X R0.1	6	70	6	
4JJCR 030 002 070	3 X R0.2	6	70	6	
4JJCR 030 003 070	3 X R0.3	6	70	6	
4JJCR 030 005 070	3 X R0.5	6	70	6	
4JJCR 030 010 070	3 X R1	6	70	6	
4JJCR 040 001 070	4 X R0.1	8	70	6	
4JJCR 040 002 070	4 X R0.2	8	70	6	
4JJCR 040 003 070	4 X R0.3	8	70	6	
4JJCR 040 005 070	4 X R0.5	8	70	6	
4JJCR 040 010 070	4 X R1	8	70	6	
4JJCR 050 001 080	5 X R0.1	10	80	6	
4JJCR 050 002 080	5 X R0.2	10	80	6	
4JJCR 050 003 080	5 X R0.3	10	80	6	
4JJCR 050 005 080	5 X R0.5	10	80	6	
4JJCR 050 010 080	5 X R1	10	80	6	
4JJCR 060 001 060	6 X R0.1	12	60	6	
4JJCR 060 001 080	6 X R0.1	15	80	6	
4JJCR 060 002 060	6 X R0.2	12	60	6	
4JJCR 060 002 080	6 X R0.2	15	80	6	
4JJCR 060 003 060	6 X R0.3	12	60	6	
4JJCR 060 003 080	6 X R0.3	15	80	6	
4JJCR 060 005 060	6 X R0.5	12	60	6	
4JJCR 060 005 080	6 X R0.5	15	80	6	
4JJCR 060 010 060	6 X R1	12	60	6	
4JJCR 060 010 080	6 X R1	15	80	6	
4JJCR 060 015 060	6 X R1.5	12	60	6	
4JJCR 060 015 080	6 X R1.5	15	80	6	
4JJCR 060 020 060	6 X R2	12	60	6	
4JJCR 060 020 080	6 X R2	15	80	6	

Order Number	날경 Diameter D × R	날장 Length of cut L1	전장 Overall Length L	생크 Shank Dia d	비고
4JJCR 080 002 070	8 X R0.2	16	70	8	
4JJCR 080 002 090	8 X R0.2	19	90	8	
4JJCR 080 003 070	8 X R0.3	16	70	8	
4JJCR 080 003 090	8 X R0.3	19	90	8	
4JJCR 080 005 070	8 X R0.5	16	70	8	
4JJCR 080 005 090	8 X R0.5	19	90	8	
4JJCR 080 010 070	8 X R1	16	70	8	
4JJCR 080 010 090	8 X R1	19	90	8	
4JJCR 080 015 070	8 X R1.5	16	70	8	
4JJCR 080 015 090	8 X R1.5	19	90	8	
4JJCR 080 020 070	8 X R2	16	70	8	
4JJCR 080 020 090	8 X R2	19	90	8	
4JJCR 100 002 075	10 X R0.2	20	75	10	
4JJCR 100 002 100	10 X R0.2	23	100	10	
4JJCR 100 003 075	10 X R0.3	20	75	10	
4JJCR 100 003 100	10 X R0.3	23	100	10	
4JJCR 100 005 075	10 X R0.5	20	75	10	
4JJCR 100 005 100	10 X R0.5	23	100	10	
4JJCR 100 010 075	10 X R1	20	75	10	
4JJCR 100 010 100	10 X R1	23	100	10	
4JJCR 100 015 075	10 X R1.5	20	75	10	
4JJCR 100 015 100	10 X R1.5	23	100	10	
4JJCR 100 020 075	10 X R2	20	75	10	
4JJCR 100 020 100	10 X R2	23	100	10	
4JJCR 120 003 080	12 X R0.3	23	80	12	
4JJCR 120 003 110	12 X R0.3	27	110	12	
4JJCR 120 005 080	12 X R0.5	23	80	12	
4JJCR 120 005 110	12 X R0.5	27	110	12	
4JJCR 120 010 080	12 X R1	23	80	12	
4JJCR 120 010 110	12 X R1	27	110	12	
4JJCR 120 015 080	12 X R1.5	23	80	12	
4JJCR 120 015 110	12 X R1.5	27	110	12	
4JJCR 120 020 080	12 X R2	23	80	12	
4JJCR 120 020 110	12 X R2	27	110	12	
4JJCR 120 030 080	12 X R3	23	80	12	
4JJCR 120 030 110	12 X R3	27	110	12	
4JJCR 140 005 110	14 X R0.5	30	110	14	
4JJCR 140 010 110	14 X R1	30	110	14	
4JJCR 140 020 110	14 X R2	30	110	14	
4JJCR 160 005 120	16 X R0.5	32	120	16	
4JJCR 160 010 120	16 X R1	32	120	16	
4JJCR 160 020 120	16 X R2	32	120	16	
4JJCR 160 030 120	16 X R3	32	120	16	
4JJCR 200 005 130	20 X R0.5	38	130	20	
4JJCR 200 010 130	20 X R1	38	130	20	
4JJCR 200 020 130	20 X R2	38	130	20	
4JJCR 200 030 130	20 X R3	38	130	20	
4JJCR 200 040 130	20 X R4	38	130	20	
4JJCR 200 050 130	20 X R5	38	130	20	