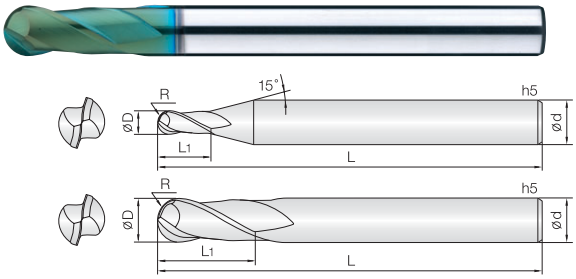
2JJB

2 Flutes JJ Ball End Mills for Hardened Steels

2날 고경도재 가공용 제이제이 볼 엔드밀



- **고경도강(HRc52~70), 프리하든강 계열의 고속 가공 엔드밀**
- 고함량 실리콘계 코팅(Si) 처리하여 내마모성이 우수합니다.
- 고정밀 공차 적용으로 초정밀 가공에 적합합니다.
- 날부인선의 조도가 뛰어나 피삭재의 면조도가 우수합니다.
- 초미립자 초경합금(0.2㎛)을 채택, 고속절삭시 뛰어난 성능을 발휘합니다.

- **Endmills for pre-hardened and hardened steel (HRc52~70)**
- Good wear resistance by high quality Si-based PVD coating.
- High precise edge tolerance.
- Very nice work surface finish.
- Outstanding performance at high speed machining by ultra fine (0.2㎛) WC grade.

2 | UWC 초미립자 | TISIN-S Coating | R ±0.005 (0.05 ~ 2.75R) | R ±0.01 (3 ~ 6R) | R ±0.015 (7R) | 30° Helix Angle | CUTTING DATA (289P)

D Size	D Tolerance
ø0.1 ~ 0.15	+0~ −0.005mm
ø0.2 ~ 5	+0~ −0.01mm
ø5.5 ~ 14	−0.01 ~ −0.02mm

단위 : mm

Order Number	날경 Diameter R×D	날장 Length of cut L1	전장 Overall Length L	생크 Shank Dia d	비고
2JJB 001 002 S04	0.05R X 0.1	0.2	40	4	
2JJB 0015 003 S04	0.075R X 0.15	0.3	40	4	
2JJB 002 004 S04	0.1R X 0.2	0.4	40	4	
2JJB 003 006 S04	0.15R X 0.3	0.6	40	4	
2JJB 004 008 S04	0.2R X 0.4	0.8	40	4	
2JJB 005 010 S04	0.25R X 0.5	1	45	4	
2JJB 006 012 S04	0.3R X 0.6	1.2	45	4	
2JJB 007 015 S04	0.35R X 0.7	1.5	45	4	
2JJB 008 020 S04	0.4R X 0.8	2	45	4	
2JJB 009 020 S04	0.45R X 0.9	2	45	4	
New 2JJB 010 025 S03	0.5R X 1	2.5	50	3	
2JJB 010 025 S04	0.5R X 1	2.5	50	4	
2JJB 010 025 S06	0.5R X 1	2.5	50	6	
2JJB 010 025 070	0.5R X 1	2.5	70	6	
New 2JJB 012 030 S03	0.6R X 1.2	3	50	3	
2JJB 012 030 S04	0.6R X 1.2	3	50	4	
New 2JJB 015 040 S03	0.75R X 1.5	4	50	3	
2JJB 015 040 S04	0.75R X 1.5	4	50	4	
2JJB 015 040 S06	0.75R X 1.5	4	50	6	
2JJB 015 040 070	0.75R X 1.5	4	70	6	
New 2JJB 020 050 S03	1R X 2	5	50	3	
2JJB 020 050 S04	1R X 2	5	50	4	
2JJB 020 050 S06	1R X 2	5	50	6	
2JJB 020 050 075	1R X 2	5	75	6	
New 2JJB 025 060 S03	1.25R X 2.5	6	50	3	
2JJB 025 060 S04	1.25R X 2.5	6	50	4	
2JJB 025 060 S06	1.25R X 2.5	6	75	6	
New 2JJB 030 080 S03	1.5R X 3	8	50	3	
2JJB 030 080 S04	1.5R X 3	8	50	4	
2JJB 030 080 S06	1.5R X 3	8	60	6	
2JJB 030 080 080	1.5R X 3	8	80	6	
2JJB 035 080 S06	1.75R X 3.5	8	60	6	
2JJB 040 080 S04	2R X 4	8	60	4	
2JJB 040 080 080	2R X 4	8	80	4	
2JJB 040 080 S06	2R X 4	8	70	6	
2JJB 040 080 090	2R X 4	8	90	6	
2JJB 045 080 S06	2.25R X 4.5	8	70	6	
2JJB 050 100 S06	2.5R X 5	10	75	6	
2JJB 055 100 S06	2.75R X 5.5	10	75	6	
2JJB 060 100 060	3R X 6	10	60	6	
2JJB 060 120 080	3R X 6	12	80	6	
2JJB 060 120 090	3R X 6	12	90	6	
2JJB 070 140 S08	3.5R X 7	14	80	8	
2JJB 080 120 060	4R X 8	12	60	8	
2JJB 080 140 090	4R X 8	14	90	8	
2JJB 080 140 100	4R X 8	14	100	8	
2JJB 100 150 070	5R X 10	15	70	10	
2JJB 100 180 100	5R X 10	18	100	10	
2JJB 120 180 075	6R X 12	18	75	12	
2JJB 120 220 110	6R X 12	22	110	12	

Order Number	날경 Diameter R×D	날장 Length of cut L1	전장 Overall Length L	생크 Shank Dia d	비고
New 2JJB 140 240 110	7R X 14	24	110	14	