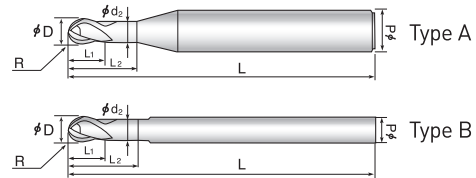


SKBS 2000 | 2날 쇼트 볼 엔드밀

SHORT BALL END MILLS (2 FLUTES)

- ◆ TiSiN코팅 적용으로 내마모성이 우수하고, 날부칩핑을 최소화함.
- ◆ HRC55 이상 고경도 피삭재 및 프리하든강 등 다양한 피삭재 적용 가능
- ◆ 고정밀 공차적용으로 초정밀가공 및 안정적인 치수관리가 가능
- ◆ 짧은 날길이 적용으로 고속가공에 최적화
- ◆ Excellent wear-resistance due to TiSiN coating, and minimized cutting edge chipping
- ◆ Suitable for various workpieces such as hardened and prehardened steels over HRC55
- ◆ Designed for stable dimensional control and hyper precision machining with application of high precision tolerance
- ◆ Suitable for high speed machining due to short flute



모델번호	레디우스	직경	날장	유효장	목부경	전장	생크경
Model No.	Radius	Diameter of Mill	Length of cut	Effective Length	Neck Diameter	Overall Length	Shank Diameter
	R	ØD	L ₁	L ₂	Ød ₂	L	φd(h6)
SKBS 2010	R 0.5	1.0	1	2.5	0.95	50	6
SKBS 2015	R 0.75	1.5	1.5	3.8	1.45	50	6
SKBS 2020	R 1.0	2.0	2	6	1.95	50	6
SKBS 2025	R 1.25	2.5	2.5	6	2.4	50	6
SKBS 2030	R 1.5	3.0	3	8	2.9	50	6
SKBS 2035	R 1.75	3.5	5	10	3.4	50	6
SKBS 2040	R 2.0	4.0	5	10	3.9	50	6
SKBS 2050	R 2.5	5.0	6	12	4.9	50	6
SKBS 2060	R 3.0	6.0	7	15	5.8	60	6
SKBS 2080	R 4.0	8.0	10	20	7.7	60	8
SKBS 2100	R 5.0	10.0	12	25	9.7	70	10
SKBS 2120	R 6.0	12.0	14	30	11.7	80	12

SK-007

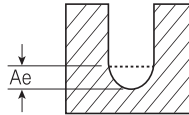
BALL SERIES



SKRB Series

2날 롱넥 볼

MATERIAL	ALLOY STEELS HEAT RESISTANT STEELS			HARDENED STEELS						COPPER		
	HRc 30 ~HRc 45			HRc 45 ~HRc 55			HRc 55 ~HRc 65					
	RPM	FEED	Ae(mm)	RPM	FEED	Ae(mm)	RPM	FEED	Ae(mm)	RPM	FEED	Ae(mm)
R0.1	50000	300-350	0.006-0.016	50000	265-310	0.005-0.013	50000	225-265	0.005-0.012	50000	455-530	0.010-0.022
R0.15	48000-50000	480-520	0.010-0.017	48000-50000	440-460	0.008-0.014	46000-50000	390-420	0.007-0.013	48000-50000	690-790	0.002-0.023
R0.2	48000-50000	720-790	0.013-0.032	48000-50000	450-550	0.011-0.026	46000-50000	400-460	0.010-0.024	48000-50000	1000-1150	0.019-0.048
R0.25	34100-49500	600-870	0.007-0.028	31900-35200	490-540	0.005-0.023	31900-35200	440-480	0.005-0.021	49000-50000	1100-1400	0.010-0.042
R0.3	38600-40700	590-850	0.007-0.034	26400-29700	480-540	0.006-0.028	26400-29700	400-480	0.006-0.025	42000-50000	1100-1700	0.011-0.050
R0.4	22000-30800	640-890	0.016-0.064	19800-22000	490-550	0.013-0.052	19800-22000	440-500	0.012-0.048	31000-50000	1100-2250	0.024-0.096
R0.5	17600-24200	600-850	0.008-0.080	15400-17600	470-540	0.007-0.065	15400-17600	440-500	0.006-0.060	24000-49500	1100-2200	0.012-0.120
R0.6	14300-18700	590-780	0.024-0.032	12000-14000	480-540	0.020-0.026	12000-14000	420-480	0.018-0.024	28500-39500	1480-1950	0.036-0.048
R0.75	11000-14300	580-760	0.031-0.048	10000-11500	480-540	0.025-0.039	10000-11500	420-480	0.023-0.036	17000-28500	1100-1950	0.046-0.072
R1	8500-11000	590-800	0.024-0.160	7900-8800	470-530	0.020-0.130	7900-8800	440-480	0.018-0.120	12600-24000	1100-2150	0.036-0.240
R1.5	5700-8200	730-1000	0.064-0.240	5300-5800	590-650	0.052-0.195	5300-5800	550-620	0.048-0.120	11900-17000	1850-2700	0.096-0.360
R2	4300-6200	680-990	0.080-0.320	3950-4400	550-620	0.065-0.026	3850-4400	530-570	0.060-0.240	6600-12500	1260-2500	0.120-0.480



RPM = rev/min
Feed = mm/min

SK-007

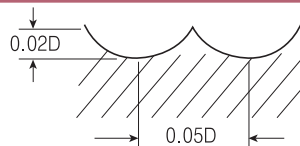
Technical Data



SKB 2000, SKBS 2000 Series

2날 볼, 숏볼

MATERIAL	ALLOY STEELS HEAT RESISTANT STEELS		HARDENED STEELS							
	HRc 30 ~HRc 40		HRc 40 ~HRc 50		HRc 50 ~HRc 55		HRc 55 ~HRc 60		HRc 60 ~HRc 65	
	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
R0.1	50000	1200	50000	1050	45000	960	40000	770	35000	674
R0.15	50000	1500	50000	1350	45000	1200	40000	965	35000	840
R0.2	50000	1900	50000	1700	45000	1500	40000	1200	35000	1050
R0.25	50000	2400	50000	2100	45000	1900	40000	1500	35000	1300
R0.3	50000	2900	50000	2500	45000	2200	40000	1800	35000	1600
R0.4	50000	3900	50000	3300	45000	3000	40000	2400	35000	2100
R0.5	50000	4800	50000	4200	45000	3800	40000	3000	35000	2600
R0.6	50000	5100	48000	4300	43000	3850	38000	3000	34000	2700
R0.75	50000	5400	48000	4500	43000	4000	37000	3100	33000	2700
R1	49700	5700	47800	4800	40000	4000	35000	3150	32000	2800
R1.5	33100	6000	31800	5300	26500	4000	23500	3150	21000	2800
R2	24900	6000	23900	5300	20000	4000	17500	3150	16000	2800
R2.5	18600	5800	17800	4900	15000	3750	13500	3050	11500	2550
R3	13900	4850	13400	4100	11000	3100	10000	2500	8800	2150
R5	9300	3700	8900	3100	7500	2400	6600	1900	5800	1650
R6	6950	2950	6680	2500	5600	1900	5000	1550	4400	1250



RPM = rev/min
Feed = mm/min