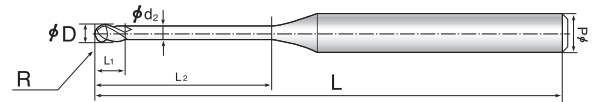


SKRB

2날 리브 볼 엔드밀

LONG NECK RIB BALL END MILLS (2 FLUTES)

- ◆ TiSiN코팅 적용으로 내마모성이 우수하고, 날부칩핑을 최소화함.
- ◆ HRC50 이상 고경도강 및 프리하든강 가공에 적합
- ◆ 고정밀 공차적용으로 초정밀가공 및 안정적인 치수관리가 가능
- ◆ Excellent wear-resistance due to TiSiN coating, and minimized cutting edge chipping
- ◆ Suitable for hardened and prehardened steels over HRC50
- ◆ Designed for stable dimensional control and hyper precision machining with application of high precision tolerance



모델번호 Model No.	볼반경 × 유효장 Radius x Effective Length R X L ₂	날 장 Length of cut L ₁	목부경 Neck Diameter ∅d ₂	전 장 Overall Length L	생크경 Shank Diameter ∅d(h6)
SKRB 000601	R 0.03 X 0.1	0.1	-	40	4
SKRB 000801	R 0.04 X 0.1	0.1	-	40	4
SKRB 001003	R 0.05 X 0.3	0.15	0.09	40	4
SKRB 001005	R 0.05 X 0.5			40	
SKRB 00201	R 0.1 X 1	0.3	0.18	40	4
SKRB 002015	R 0.1 X 1.5			40	
SKRB 00301	R 0.15 X 1	0.4	0.27	40	4
SKRB 003015	R 0.15 X 1.5			40	
SKRB 00302	R 0.15 X 2			40	
SKRB 00303	R 0.15 X 3			40	
SKRB 00401	R 0.2 X 1	0.4	0.36	40	4
SKRB 00402	R 0.2 X 2			40	
SKRB 00403	R 0.2 X 3			40	
SKRB 00404	R 0.2 X 4			40	
SKRB 00405	R 0.2 X 5			40	
SKRB 00502	R 0.25 X 2	0.4	0.45	45	4
SKRB 00503	R 0.25 X 3			45	
SKRB 00504	R 0.25 X 4			45	
SKRB 00506	R 0.25 X 6			45	
SKRB 00508	R 0.25 X 8	0.5	0.55	45	4
SKRB 00602	R 0.3 X 2			45	
SKRB 00603	R 0.3 X 3			45	
SKRB 00604	R 0.3 X 4			45	
SKRB 00605	R 0.3 X 5			45	
SKRB 00606	R 0.3 X 6			45	
SKRB 00608	R 0.3 X 8			45	
SKRB 00610	R 0.3 X 10	0.6	0.75	45	4
SKRB 00802	R 0.4 X 2			45	
SKRB 00803	R 0.4 X 3			45	
SKRB 00804	R 0.4 X 4			45	
SKRB 00805	R 0.4 X 5			45	

SK-007

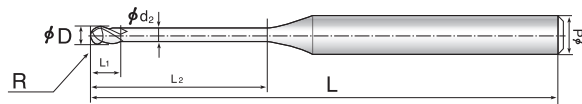
RIB SERIES

SKRB

2날 리브 볼 엔드밀

LONG NECK RIB BALL END MILLS (2 FLUTES)

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- ◆ HRC50 이상 고경도강 및 프리하드강 가공에 적합
- ◆ 고정밀 공차적용으로 초정밀가공 및 안정적인 치수관리가 가능
- ◆ Excellent wear-resistance due to TiSiN coating, and minimized cutting edge chipping
- ◆ Suitable for hardened and prehardened steels over HRC50
- ◆ Designed for stable dimensional control and hyper precision machining with application of high precision tolerance



모델번호	볼반경 × 유효장	날 장	목부경	전 장	생크경			
Model No.	Radius x Effective Length	Length of cut	Neck Diameter	Overall Length	Shank Diameter			
	R X L ₂	L ₁	∅ d ₂	L	∅ d(h6)			
SKRB 00806	R 0.4 X 6	0.6	0.75	45	4			
SKRB 00808	R 0.4 X 8			45				
SKRB 00810	R 0.4 X 10			45				
SKRB 01003	R 0.5 X 3	0.8	0.95	45	4			
SKRB 01004	R 0.5 X 4			45				
SKRB 01005	R 0.5 X 5			45				
SKRB 01006	R 0.5 X 6			45				
SKRB 01008	R 0.5 X 8			45				
SKRB 01010	R 0.5 X 10			45				
SKRB 01012	R 0.5 X 12			45				
SKRB 01014	R 0.5 X 14			45				
SKRB 01016	R 0.5 X 16			45				
SKRB 01018	R 0.5 X 18			50				
SKRB 01020	R 0.5 X 20	50						
SKRB 01206	R 0.6 X 6	1	1.15	45	4			
SKRB 01208	R 0.6 X 8			45				
SKRB 01210	R 0.6 X 10			45				
SKRB 01212	R 0.6 X 12			45				
SKRB 01506	R 0.75 X 6			1.2		1.45	45	4
SKRB 01508	R 0.75 X 8	45						
SKRB 01510	R 0.75 X 10	45						
SKRB 01512	R 0.75 X 12	45						
SKRB 01514	R 0.75 X 14	45						
SKRB 01516	R 0.75 X 16	45						
SKRB 01518	R 0.75 X 18	50						
SKRB 01520	R 0.75 X 20	50						
SKRB 01608	R 0.8 X 8	1.3	1.55		45		4	
SKRB 01612	R 0.8 X 12				45			
SKRB 02006	R 1.0 X 6	1.6	1.95	45	4			
SKRB 02008	R 1.0 X 8			45				
SKRB 02010	R 1.0 X 10			45				

SK-007

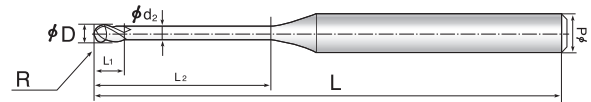
RIB SERIES

SKRB

2날 리브 볼 엔드밀

LONG NECK RIB BALL END MILLS (2 FLUTES)

- ◆ TiSiN코팅 적용으로 내마모성이 우수하고, 날부칩핑을 최소화함.
- ◆ HRC50 이상 고경도강 및 프리하든강 가공에 적합
- ◆ 고정밀 공차적용으로 초정밀가공 및 안정적인 치수관리가 가능
- ◆ Excellent wear-resistance due to TiSiN coating, and minimized cutting edge chipping
- ◆ Suitable for hardened and prehardened steels over HRC50
- ◆ Designed for stable dimensional control and hyper precision machining with application of high precision tolerance



모델번호 Model No.	볼반경 × 유효장 Radius x Effective Length R X L ₂	날 장 Length of cut L ₁	목부경 Neck Diameter ∅d ₂	전 장 Overall Length L	생크경 Shank Diameter ∅d(h6)
SKRB 02012	R 1.0 X 12	1.6	1.95	45	4
SKRB 02014	R 1.0 X 14			45	
SKRB 02016	R 1.0 X 16			45	
SKRB 02018	R 1.0 X 18			50	
SKRB 02020	R 1.0 X 20			50	
SKRB 02025	R 1.0 X 25			60	
SKRB 02030	R 1.0 X 30			65	
SKRB 02512	R 1.25 X 12	1.2	2.45	45	4
SKRB 02516	R 1.25 X 16			45	
SKRB 02520	R 1.25 X 20			50	
SKRB 02525	R 1.25 X 25			60	
SKRB 03008	R 1.5 X 8	2.4	2.86	50	6
SKRB 03010	R 1.5 X 10			50	
SKRB 03012	R 1.5 X 12			50	
SKRB 03014	R 1.5 X 14			50	
SKRB 03016	R 1.5 X 16			55	
SKRB 03018	R 1.5 X 18			55	
SKRB 03020	R 1.5 X 20			60	
SKRB 03025	R 1.5 X 25			65	
SKRB 03030	R 1.5 X 30			70	
SKRB 03035	R 1.5 X 35			75	
SKRB 04010	R 2.0 X 10	3.2	3.86	50	6
SKRB 04012	R 2.0 X 12			50	
SKRB 04014	R 2.0 X 14			50	
SKRB 04016	R 2.0 X 16			55	
SKRB 04020	R 2.0 X 20			60	
SKRB 04025	R 2.0 X 25			65	
SKRB 04030	R 2.0 X 30			70	
SKRB 04035	R 2.0 X 35			75	
SKRB 04040	R 2.0 X 40			80	

SK-007

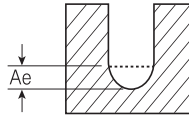
RIB SERIES



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

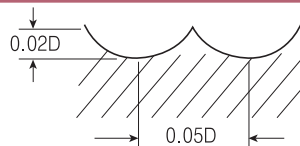
Technical Data



SKB 2000, SKBS 2000 Series

2날 볼, 슛볼

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