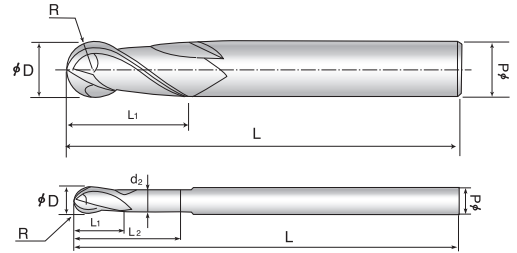


HSKB 2000

2날 볼 엔드밀

BALL END MILLS (2 FLUTES)

- ◆ BLUE코팅 적용으로 내마모성이 우수하고, 날부칩핑을 최소화함.
- ◆ HRC50~HRC70까지 고경도강 및 프리하든강 가공에 적합
- ◆ 고정밀 공차적용으로 초정밀가공 및 안정적인 치수관리가 가능
- ◆ Excellent wear-resistance due to BLUEcoating, and minimized cutting edge chipping
- ◆ Suitable for various workpieces such as hardened and prehardened steels from HRC50 to HRC70
- ◆ Designed for stable dimensional control and hyper precision machining with application of high precision tolerance



모델번호	볼 반경	날 장	유효장	목부경	전 장	생크경
Model No.	Radius	Length of cut	Effective Length	Neck Diameter	Overall Length	Shank Diameter
	R	L ₁	L ₂	∅d ₂	L	∅d(h6)
HSKB 2010	R0.5	2	-	-	50	6
HSKB 2015	R0.75	4	-	-	50	6
HSKB 2020	R1.0	5	-	-	60	6
HSKB 2025	R1.25	6	-	-	60	6
HSKB 2030-S3	R1.5	8	-	-	60	3
HSKB 2030	R1.5	8	-	-	60	6
HSKB 2035	R1.75	8	-	-	60	6
HSKB 2040-S4	R2.0	8	-	-	60	4
HSKB 2040	R2.0	8	-	-	70	6
HSKB 2050	R2.5	10	-	-	80	6
HSKB 2060	R3.0	12	22	5.8	90	6
HSKB 2080	R4.0	14	24	7.8	100	8
HSKB 2100	R5.0	18	30	9.8	100	10
HSKB 2120	R6.0	22	32	11.8	110	12

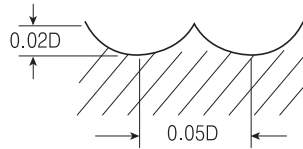
SK-007

HIGH SPEED SERIES



HSKB 2000, HSKBS 2000 Series | 2날 볼

MATERIAL	HARDENED STEELS							
	HRc 50 ~HRc 55		HRc 55 ~HRc 60		HRc 60 ~HRc 65		HRc 65 ~HRc 70	
	RADIUS	RPM	FEED	RPM	FEED	RPM	FEED	RPM
R0.1	45000	960	40000	770	35000	674	31500	570
R0.15	45000	1200	40000	965	35000	840	31500	700
R0.2	45000	1500	40000	1200	35000	1050	31500	890
R0.25	45000	1900	40000	1500	35000	1300	31500	1100
R0.3	45000	2200	40000	1800	35000	1600	31500	1400
R0.4	45000	3000	40000	2400	35000	2100	31500	1800
R0.5	45000	3800	40000	3000	35000	2600	31500	2300
R0.6	43000	3850	38000	3000	34000	2700	30600	2300
R0.75	43000	4000	37000	3100	33000	2700	29700	2300
R1	40000	4000	35000	3150	32000	2800	28500	2300
R1.5	26500	4000	23500	3150	21000	2800	19000	2300
R2	20000	4000	17500	3150	16000	2800	14500	2300
R2.5	15000	3750	13500	3050	11500	2550	10500	2100
R3	11000	3100	10000	2500	8800	2150	8000	1750
R4	9000	2700	8000	2150	7000	1850	6500	1550
R5	7500	2400	6600	1900	5800	1650	5300	1380
R6	5600	1900	5000	1550	4400	1250	4000	1050



RPM = rev/min
Feed = mm/min

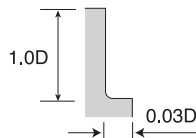
SK-007

Technical Data



HSKE 4000 Series | 4날 스퀘어

MATERIAL	HARDENED STEELS							
	HRc 50 ~HRc 55		HRc 55 ~HRc 60		HRc 60 ~HRc 65		HRc 65 ~HRc 70	
	DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM
1.0	25500	710	20500	430	16000	270	12500	175
2.0	17500	840	14500	520	11000	320	9500	230
3.0	11500	840	9500	520	7500	320	6400	230
4.0	8800	880	7200	540	5600	335	4750	240
5.0	8300	1000	6400	580	5100	370	4450	270
6.0	6900	950	5300	560	4200	350	3700	260
8.0	5200	900	4000	520	3200	330	2800	240
10.0	4100	840	3200	480	2550	310	2200	220
12.0	3500	840	2650	480	2100	300	1860	220



RPM = rev/min
Feed = mm/min