

## SUPER MILL

## SBM

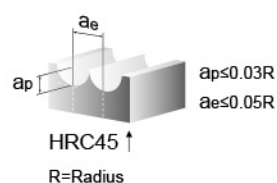
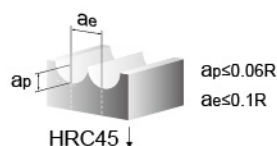
► Micro Diameter / Ball Nose / for **H** **P** **K**

unit: mm



Order No.	Radius R	Flute Length L1	O.A.L. L2	Shank Dia D2
SBM 0024	R0.1	0.4	50	4
SBM 0034	R0.15	0.6	50	4
SBM 0044	R0.2	0.8	50	4
SBM 0054	R0.25	1.0	50	4
SBM 0064	R0.3	1.2	50	4
SBM 0074	R0.35	1.4	50	4
SBM 0084	R0.4	1.6	50	4
SBM 0094	R0.45	1.8	50	4
SBM 0124	R0.6	2.4	50	4
SBM 0144	R0.7	2.8	50	4
SBM 0164	R0.8	3.2	50	4
SBM 0184	R0.9	3.6	50	4

## ▼ Depth of cut



## ▼ Recommended cutting condition for SBM

MATERIAL	Carbon Steels . Alloy Steels S45C, FC, FCD, SCM, S50C, SKS...		Alloy Steels . Tool Steels SCr, SNCM, SKD11, SKD61, NAK80...		Hardened Steels SKD11	
HARDNESS	~HRC30		~HRC50		~HRC60	
Radius (R)	SPEED (min <sup>-1</sup> )	FEED mm / min	SPEED (min <sup>-1</sup> )	FEED mm / min	SPEED (min <sup>-1</sup> )	FEED mm / min
R0.1	32000	500 - 600	32000	400 - 500	25000	300 - 400
R0.15	32000	500 - 600	32000	400 - 500	25000	300 - 400
R0.2	32000	500 - 600	32000	400 - 500	25000	300 - 400
R0.25	32000	600 - 700	32000	500 - 600	25000	400 - 500
R0.3	32000	600 - 700	32000	500 - 600	25000	400 - 500
R0.35	32000	700 - 800	32000	600 - 700	25000	500 - 600
R0.4	32000	900 - 1000	32000	800 - 900	25000	600 - 700
R0.45	32000	1000 - 1100	32000	900 - 1000	25000	600 - 700