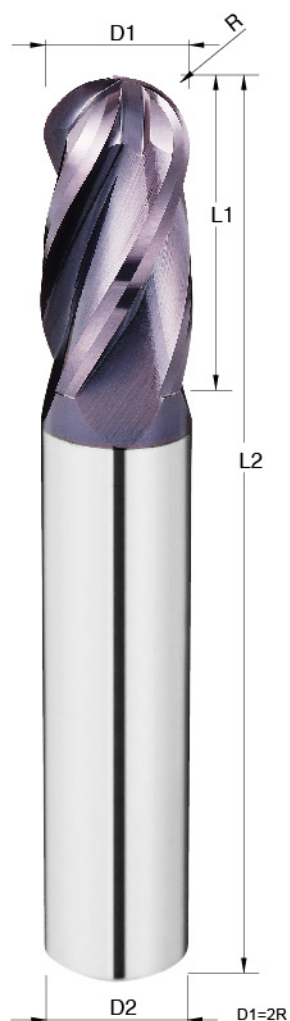


EFFICIENCY MILLS

BB

► Ball Nose / for **P** **K**

unit: mm



MG

4 Flutes

30°

HRC
55

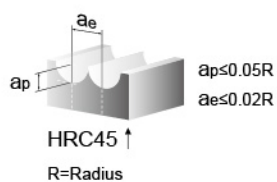
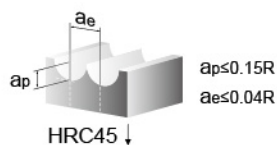
TiAlN

Finishing
Semi-
Finishing

Profiling

Order No.	Radius R	Flute Length L1	O.A.L. L2	Shank Dia D2
BB 0104	R0.5	2	50	4
BB 0154	R0.75	3	50	4
BB 0204	R1	4	50	4
BB 0254	R1.25	5	50	4
BB 0304	R1.5	6	50	4
BB 0404	R2	8	50	4
BB 0506	R2.5	10	50	6
BB 0606	R3	12	50	6
BB 0808	R4	16	60	8
BB 1010	R5	20	75	10
BB 1212	R6	24	75	12

▼ Depth of cut



▼ Recommended cutting condition for BB

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 ⁻¹)	FEED mm / min	SPEED (min ⁻¹)	FEED mm / min	SPEED (min ⁻¹)	FEED mm / min
R2	12000	1200	9500	900	5000	400
R3	8000	1400	6000	900	3500	500
R4	6000	1600	5000	1000	2500	600
R5	5000	1400	4000	1000	2000	600
R6	4000	1200	3000	900	1500	500
R8	3000	1200	2500	900	1000	500
R10	2500	1000	2000	600	900	300