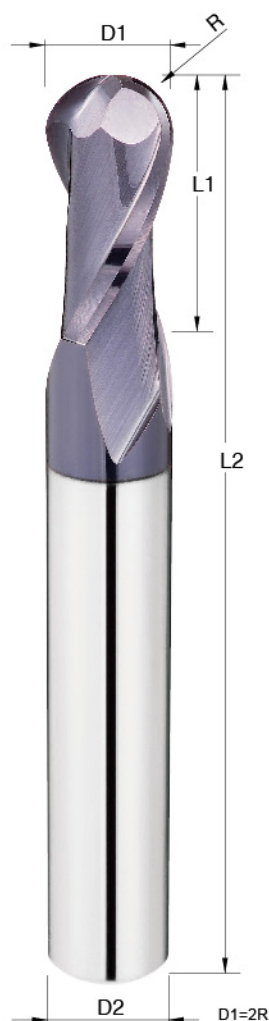


EFFICIENCY MILLS

BA

► Ball Nose / for **P** **K**

unit: mm



MG

2 Flutes



30°



HRC

55

TiAlN



Finishing

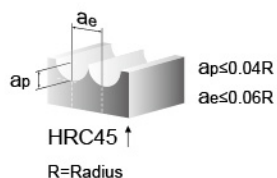
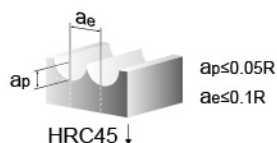
Semi-Finishing

Profiling



Order No.	Radius R	Flute Length L1	O.A.L. L2	Shank Dia D2
BA 0104	R0.5	2	50	4
BA 0154	R0.75	3	50	4
BA 0202	R1	4	50	2
BA 0204	R1	4	50	4
BA 0254	R1.25	5	50	4
BA 0304	R1.5	6	50	4
BA 0354	R1.75	7	50	4
BA 0404	R2	8	50	4
BA 0456	R2.25	9	50	6
BA 0505	R2.5	10	50	5
BA 0506	R2.5	10	50	6
BA 0556	R2.75	11	50	6
BA 0606	R3	12	50	6
BA 0707	R3.5	14	60	7
BA 0708	R3.5	14	60	8
BA 0808	R4	16	60	8
BA 0910	R4.5	18	75	10
BA 1010	R5	20	75	10
BA 1212	R6	24	75	12
BA 1616	R8	32	100	16
BA 2020	R10	40	100	20

▼ Depth of cut



▼ Recommended cutting condition for BA

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
R0.5	45000	800	35000	600	20000	200
R1	23000	800	18000	600	10000	200
R1.5	16000	1000	12000	600	6500	200
R2	12000	1000	9500	700	5000	300
R3	8000	1100	6000	700	3500	300
R4	6000	1200	5000	800	2500	350
R5	5000	1100	4000	800	2000	350
R6	4000	1000	3000	700	1500	300
R8	3000	1000	2000	700	1000	300