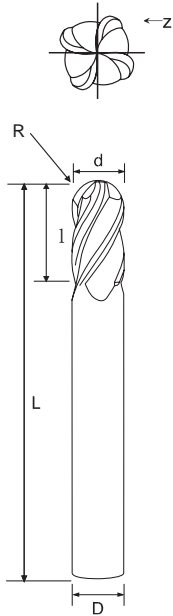


## Ball Nose - 4 flutes



● Micro Grain Carbide

● WC=90 Co=10 HV30=1571 Rupture=3750N/mm<sup>2</sup> Grain Size=0.6µm



MODE	Diameter	Radius	Flute Length	Full Length	Shank Diameter	Flutes
	d	R	l	L	D	Z
MSB0104	1	0.5	2	50	4	4
MSB0154	1.5	0.75	3	50	4	4
MSB0204	2	1	4	50	4	4
MSB0254	2.5	1.25	5	50	4	4
SSB0304	3	1.5	6	50	3	4
MSB0304	3	1.5	6	50	4	4
MSB0354	3.5	1.75	7	50	4	4
MSB0404	4	2	8	50	4	4
SB0104	1	0.5	2	50	6	4
SB0154	1.5	0.75	3	50	6	4
SB0204	2	1	4	50	6	4
SB0254	2.5	1.25	5	50	6	4
SB0304	3	1.5	6	50	6	4
SB0354	3.5	1.75	7	50	6	4
SB0404	4	2	8	50	6	4
SB0454	4.5	2.25	9	50	6	4
SB0504	5	2.5	10	50	6	4
SB0554	5.5	2.75	11	50	6	4
SB0604	6	3	12	50	6	4
SB0704	7	3.5	14	60	8	4
SB0804	8	4	16	60	8	4
SB0904	9	4.5	18	75	10	4
SB1004	10	5	20	75	10	4
SB1104	11	5.5	22	75	12	4
SB1204	12	6	24	75	12	4
SB1404	14	7	28	100	16	4
SB1604	16	8	32	100	16	4
SB1804	18	9	36	100	20	4
SB2004	20	10	40	100	20	4

HRC > 40

HRC > 45

HRC > 50

HRC > 55

HRC > 60

HRC > 65



Application :

⊙ Recommend

○ Suitable

X Not Recommend

carbon steel, Alloy steel	Pre-hardened steel	High-hardened				Stainless steel	Copper alloy	Aluminum alloy
	~45HRC	~50HRC	~55HRC	~60HRC	~65HRC			
○	○						○	○