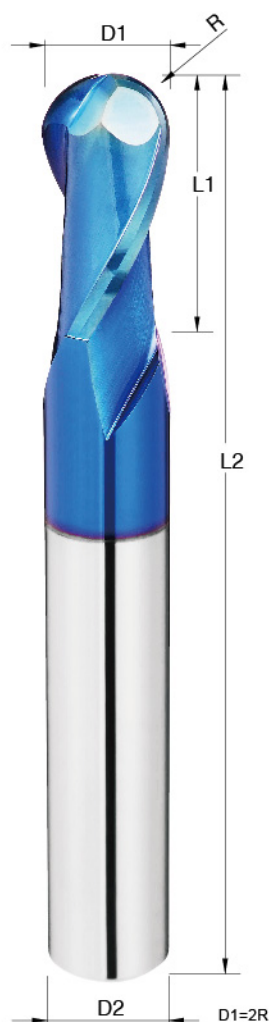


MAGIC CUT

QBN

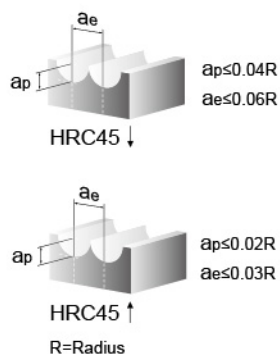
► Ball Nose / for **H** **P** **K**

unit: mm



Order No.	Radius R	Flute Length L1	O.A.L. L2	Shank Dia D2
QBN 0104	R0.5	2	50	4
QBN 0106	R0.5	2	50	6
QBN 0154	R0.75	3	50	4
QBN 0156	R0.75	3	50	6
QBN 0204	R1	4	50	4
QBN 0206	R1	4	50	6
QBN 0303	R1.5	6	50	3
QBN 0304	R1.5	6	50	4
QBN 0306	R1.5	6	50	6
QBN 0404	R2	8	50	4
QBN 0406	R2	8	50	6
QBN 0506	R2.5	10	50	6
QBN 0606	R3	12	50	6
QBN 0808	R4	16	60	8
QBN 1010	R5	20	75	10
QBN 1212	R6	24	75	12
QBN 1616	R8	32	100	16

▼ Depth of cut



▼ Recommended cutting condition for QBN

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
R1	23000	2000	22000	1800	16000	900
R1.5	16000	2000	15000	1800	11000	900
R2	15000	2400	14000	2000	10000	1300
R3	17000	5500	14000	5000	9000	1500
R4	12000	4000	9000	3000	6200	1400
R5	9000	3500	7000	2800	5200	900
R6	8000	2800	6500	1800	4300	800
R8	7000	2000	5000	1500	3300	700