




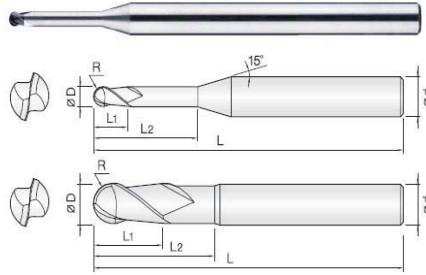
## B00 Series Cubic Boron Nitride



### Tool Selection Index

Hardness	EDP. NO	Appearance	Flutes	Types	Page
HRc 52~70	B10		2F	CBN Rib Ball End Mills	219
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	B70		2F	CBN Rib Corner Radius	225

**CBN, 2 Flutes High Speed Rid Ball End Mills**



**PCBN Endmill for precise finishing(±5um) of hardened steel(HRc52~70)**  
 Long tool life by high quality PCBN.  
 Excellent surface finish.  
 Various flute length for optimum performance.  
 Recommend high speed(20,000-50,000RPM) with oil-mist.  
 C.B.N (Cubic Boron Nitride)

**Cutting Data**  
P229

Size	D Tolerance
D ≤ Φ6	+0~ -0.01mm

Type	Part Number	Dimensions in mm					d
		R X D	L1	L2	L		
2	B10002002H04Z2-CBN	0.1R X 0.2	0.2	-	48	4	
	B10002005H04Z2-CBN	0.1R X 0.2	0.5	-	48	4	
CBN	B10003003H04Z2-CBN	0.15R X 0.3	0.3	-	48	4	
	B10003005H04Z2-CBN	0.15R X 0.3	0.5	-	48	4	
R	B10003010H04Z2-CBN	0.15R X 0.3	1	-	48	4	
	B10004003H04Z2-CBN	0.2R X 0.4	0.3	-	48	4	
±0.005	B10004010H04Z2-CBN	0.2R X 0.4	0.3	1	48	4	
	B10004015H04Z2-CBN	0.2R X 0.4	0.3	1.5	48	4	
0.1R - 3R	B10004020H04Z2-CBN	0.2R X 0.4	0.3	2	48	4	
	B10004030H04Z2-CBN	0.2R X 0.4	0.3	3	48	4	
30°	B10004040H04Z2-CBN	0.2R X 0.4	0.3	4	48	4	
	B10004050H04Z2-CBN	0.2R X 0.4	0.3	5	48	4	
Helix Angle	B10004060H04Z2-CBN	0.2R X 0.4	0.3	6	48	4	
	B10005004H04Z2-CBN	0.25R X 0.5	0.4	-	48	4	
2	B10005010H04Z2-CBN	0.25R X 0.5	0.4	1	48	4	
	B10005015H04Z2-CBN	0.25R X 0.5	0.4	1.5	48	4	
CBN	B10005020H04Z2-CBN	0.25R X 0.5	0.4	2	48	4	
	B10005030H04Z2-CBN	0.25R X 0.5	0.4	3	48	4	
R	B10005040H04Z2-CBN	0.25R X 0.5	0.4	4	48	4	
	B10005050H04Z2-CBN	0.25R X 0.5	0.4	5	48	4	
±0.005	B10005060H04Z2-CBN	0.25R X 0.5	0.4	6	48	4	
	B10005080H04Z2-CBN	0.25R X 0.5	0.4	8	48	4	
0.1R - 3R	B10006005H04Z2-CBN	0.3R X 0.6	0.5	-	48	4	
	B10006010H04Z2-CBN	0.3R X 0.6	0.5	1	48	4	
30°	B10006015H04Z2-CBN	0.3R X 0.6	0.5	1.5	48	4	
	B10006020H04Z2-CBN	0.3R X 0.6	0.5	2	48	4	
Helix Angle	B10006030H04Z2-CBN	0.3R X 0.6	0.5	3	48	4	
	B10006040H04Z2-CBN	0.3R X 0.6	0.5	4	48	4	
2	B10006050H04Z2-CBN	0.3R X 0.6	0.5	5	48	4	
	B10006060H04Z2-CBN	0.3R X 0.6	0.5	6	48	4	
CBN	B10006080H04Z2-CBN	0.3R X 0.6	0.5	8	48	4	
	B10006100H04Z2-CBN	0.3R X 0.6	0.5	10	48	4	
R	B10007005H04Z2-CBN	0.35R X 0.7	0.5	-	48	4	
	B10007010H04Z2-CBN	0.35R X 0.7	0.5	1	48	4	
±0.005	B10007020H04Z2-CBN	0.35R X 0.7	0.5	2	48	4	
	B10007040H04Z2-CBN	0.35R X 0.7	0.5	4	48	4	
0.1R - 3R	B10008006H04Z2-CBN	0.4R X 0.8	0.6	-	48	4	
	B10008015H04Z2-CBN	0.4R X 0.8	0.6	1.5	48	4	
30°	B10008020H04Z2-CBN	0.4R X 0.8	0.6	2	48	4	
	B10008040H04Z2-CBN	0.4R X 0.8	0.6	4	48	4	
Helix Angle	B10008060H04Z2-CBN	0.4R X 0.8	0.6	6	48	4	
	B10008080H04Z2-CBN	0.4R X 0.8	0.6	8	48	4	
2	B10008100H04Z2-CBN	0.4R X 0.8	0.6	10	48	4	
	B10009006H04Z2-CBN	0.45R X 0.9	0.6	-	48	4	
CBN	B10009015H04Z2-CBN	0.45R X 0.9	0.6	1.5	48	4	
	B10009040H04Z2-CBN	0.45R X 0.9	0.6	4	48	4	
R	B10010007H04Z2-CBN	0.5R X 1	0.7	-	48	4	
	B10010015H04Z2-CBN	0.5R X 1	0.7	1.5	48	4	



Type	Part Number	Dimensions in mm					d
		R X D	L1	L2	L		
2	B10010020H04Z2-CBN	0.5R X 1	0.7	2	48	4	
	B10010030H04Z2-CBN	0.5R X 1	0.7	3	48	4	
CBN	B10010040H04Z2-CBN	0.5R X 1	0.7	4	48	4	
	B10010050H04Z2-CBN	0.5R X 1	0.7	5	48	4	
R	B10010060H04Z2-CBN	0.5R X 1	0.7	6	48	4	
	B10010080H04Z2-CBN	0.5R X 1	0.7	8	48	4	
±0.005	B10010100H04Z2-CBN	0.5R X 1	0.7	10	48	4	
	B10010120H04Z2-CBN	0.5R X 1	0.7	12	48	4	
0.1R - 3R	B10010160H04Z2-CBN	0.5R X 1	0.7	16	48	4	
	B10012008H04Z2-CBN	0.6R X 1.2	0.8	-	48	4	
30°	B10012015H04Z2-CBN	0.6R X 1.2	0.8	1.5	48	4	
	B10012020H04Z2-CBN	0.6R X 1.2	0.8	2	48	4	
Helix Angle	B10012030H04Z2-CBN	0.6R X 1.2	0.8	3	48	4	
	B10012040H04Z2-CBN	0.6R X 1.2	0.8	4	48	4	
2	B10012060H04Z2-CBN	0.6R X 1.2	0.8	6	48	4	
	B10012080H04Z2-CBN	0.6R X 1.2	0.8	8	48	4	
CBN	B10012100H04Z2-CBN	0.6R X 1.2	0.8	10	48	4	
	B10012120H04Z2-CBN	0.6R X 1.2	0.8	12	48	4	
R	B10012160H04Z2-CBN	0.6R X 1.2	0.8	16	48	4	
	B10015010H04Z2-CBN	0.75R X 1.5	1	-	48	4	
±0.005	B10015020H04Z2-CBN	0.75R X 1.5	1	2	48	4	
	B10015040H04Z2-CBN	0.75R X 1.5	1	4	48	4	
0.1R - 3R	B10015060H04Z2-CBN	0.75R X 1.5	1	6	48	4	
	B10015080H04Z2-CBN	0.75R X 1.5	1	8	48	4	
30°	B10015100H04Z2-CBN	0.75R X 1.5	1	10	48	4	
	B10015120H04Z2-CBN	0.75R X 1.5	1	12	48	4	
Helix Angle	B10015140H04Z2-CBN	0.75R X 1.5	1	14	48	4	
	B10015160H04Z2-CBN	0.75R X 1.5	1	16	48	4	
2	B10015180H04Z2-CBN	0.75R X 1.5	1	18	48	4	
	B10020012H04Z2-CBN	1R X 2	1.2	-	50	4	
CBN	B10020020H04Z2-CBN	1R X 2	1.2	2	50	4	
	B10020040H04Z2-CBN	1R X 2	1.2	4	50	4	
R	B10020060H04Z2-CBN	1R X 2	1.2	6	50	4	
	B10020080H04Z2-CBN	1R X 2	1.2	8	50	4	
±0.005	B10020100H04Z2-CBN	1R X 2	1.2	10	50	4	
	B10020120H04Z2-CBN	1R X 2	1.2	12	50	4	
0.1R - 3R	B10020140H04Z2-CBN	1R X 2	1.2	14	50	4	
	B10020160H04Z2-CBN	1R X 2	1.2	16	50	4	
30°	B10020180H04Z2-CBN	1R X 2	1.2	18	50	4	
	B10025016H06Z2-CBN	1.25R X 2.5	1.6	-	66	6	
Helix Angle	B10025030H06Z2-CBN	1.25R X 2.5	1.6	3	66	6	
	B10025040H06Z2-CBN	1.25R X 2.5	1.6	4	66	6	
2	B10025060H06Z2-CBN	1.25R X 2.5	1.6	6	66	6	
	B10025100H06Z2-CBN	1.25R X 2.5	1.6	10	66	6	
CBN	B10025160H06Z2-CBN	1.25R X 2.5	1.6	16	66	6	
	B10025200H06Z2-CBN	1.25R X 2.5	1.6	20	66	6	
R	B10030018H06Z2-CBN	1.5R X 3	1.8	-	66	6	
	B10030030H06Z2-CBN	1.5R X 3	1.8	3	66	6	
±0.005	B10030040H06Z2-CBN	1.5R X 3	1.8	4	66	6	
	B10030060H06Z2-CBN	1.5R X 3	1.8	6	66	6	
0.1R - 3R	B10030080H06Z2-CBN	1.5R X 3	1.8	8	66	6	
	B10030100H06Z2-CBN	1.5R X 3	1.8	10	66	6	
30°	B10030120H06Z2-CBN	1.5R X 3	1.8	12	66	6	
	B10030160H06Z2-CBN	1.5R X 3	1.8	16	66	6	
Helix Angle	B10030200H06Z2-CBN	1.5R X 3	1.8	20	66	6	
	B10040024H06Z2-CBN	2R X 4	2.4	-	66	6	
2	B10040040H06Z2-CBN	2R X 4	2.4	4	66	6	
	B10040060H06Z2-CBN	2R X 4	2.4	6	66	6	





Type	Part Number	Dimensions in mm					
		D	L1	L2	L	d	
	B20009100H04Z2-CBN	0.9	0.6	10	48	4	
	B20010007H04Z2-CBN	1	0.7	-	48	4	
	B20010015H04Z2-CBN	1	0.7	1.5	48	4	
	B20010020H04Z2-CBN	1	0.7	2	48	4	
	B20010030H04Z2-CBN	1	0.7	3	48	4	
	B20010040H04Z2-CBN	1	0.7	4	48	4	
	B20010050H04Z2-CBN	1	0.7	5	48	4	
	B20010060H04Z2-CBN	1	0.7	6	48	4	
	B20010080H04Z2-CBN	1	0.7	8	48	4	
	B20010100H04Z2-CBN	1	0.7	10	48	4	
	B20010120H04Z2-CBN	1	0.7	12	48	4	
	B20010140H04Z2-CBN	1	0.7	14	48	4	
	B20010160H04Z2-CBN	1	0.7	16	48	4	
	B20012007H04Z2-CBN	1.2	0.7	-	48	4	
	B20012015H04Z2-CBN	1.2	0.7	1.5	48	4	
	B20012020H04Z2-CBN	1.2	0.7	2	48	4	
	B20012030H04Z2-CBN	1.2	0.7	3	48	4	
	B20012040H04Z2-CBN	1.2	0.7	4	48	4	
	B20012060H04Z2-CBN	1.2	0.7	6	48	4	
	B20012080H04Z2-CBN	1.2	0.7	8	48	4	
	B20012100H04Z2-CBN	1.2	0.7	10	48	4	
	B20012120H04Z2-CBN	1.2	0.7	12	48	4	
	B20012160H04Z2-CBN	1.2	0.7	16	48	4	
	B20015008H04Z2-CBN	1.5	0.8	-	48	4	
	B20015020H04Z2-CBN	1.5	0.8	2	48	4	
	B20015040H04Z2-CBN	1.5	0.8	4	48	4	
	B20015060H04Z2-CBN	1.5	0.8	6	48	4	
	B20015080H04Z2-CBN	1.5	0.8	8	48	4	
	B20015100H04Z2-CBN	1.5	0.8	10	48	4	
	B20015120H04Z2-CBN	1.5	0.8	12	48	4	
	B20015140H04Z2-CBN	1.5	0.8	14	48	4	
	B20015160H04Z2-CBN	1.5	0.8	16	48	4	
	B20015180H04Z2-CBN	1.5	0.8	18	48	4	
	B20020009H04Z2-CBN	2	0.9	-	50	4	
	B20020020H04Z2-CBN	2	0.9	2	50	4	
	B20020040H04Z2-CBN	2	0.9	4	50	4	
	B20020060H04Z2-CBN	2	0.9	6	50	4	
	B20020080H04Z2-CBN	2	0.9	8	50	4	
	B20020100H04Z2-CBN	2	0.9	10	50	4	
	B20020120H04Z2-CBN	2	0.9	12	50	4	
	B20020140H04Z2-CBN	2	0.9	14	50	4	
	B20020160H04Z2-CBN	2	0.9	16	50	4	
	B20020180H04Z2-CBN	2	0.9	18	50	4	
	B20025012H06Z2-CBN	2.5	1.2	-	66	6	
	B20025030H06Z2-CBN	2.5	1.2	3	66	6	
	B20025040H06Z2-CBN	2.5	1.2	4	66	6	
	B20025060H06Z2-CBN	2.5	1.2	6	66	6	
	B20025100H06Z2-CBN	2.5	1.2	10	66	6	
	B20025160H06Z2-CBN	2.5	1.2	16	66	6	
	B20025200H06Z2-CBN	2.5	1.2	20	66	6	
	B20030012H06Z2-CBN	3	1.2	-	66	6	
	B20030030H06Z2-CBN	3	1.2	3	66	6	
	B20030040H06Z2-CBN	3	1.2	4	66	6	
	B20030060H06Z2-CBN	3	1.2	6	66	6	
	B20030080H06Z2-CBN	3	1.2	8	66	6	
	B20030100H06Z2-CBN	3	1.2	10	66	6	
	B20030120H06Z2-CBN	3	1.2	12	66	6	
	B20030160H06Z2-CBN	3	1.2	16	66	6	



**CBN**

**D**  
+0~0.01  
Φ0.2 - Φ6

**30°**  
Helix Angle

B00 Series



Type	Part Number	Dimensions in mm					
		D	L1	L2	L	d	
	B20030200H06Z2-CBN	3	1.2	20	66	6	
	B20040015H06Z2-CBN	4	1.5	-	66	6	
	B20040030H06Z2-CBN	4	1.5	3	66	6	
	B20040060H06Z2-CBN	4	1.5	6	66	6	
	B20040080H06Z2-CBN	4	1.5	8	66	6	
	B20040100H06Z2-CBN	4	1.5	10	66	6	
	B20040120H06Z2-CBN	4	1.5	12	66	6	
	B20040160H06Z2-CBN	4	1.5	16	66	6	
	B20040200H06Z2-CBN	4	1.5	20	66	6	
	B20060030H06Z2-CBN	6	3	-	83	6	
	B20060100H06Z2-CBN	6	3	10	83	6	
	B20060200H06Z2-CBN	6	3	20	83	6	



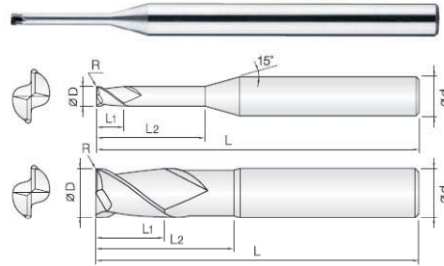
**CBN**

**D**  
+0~0.01  
Φ0.2 - Φ6

**30°**  
Helix Angle

B00 Series

**CBN, 2 Flutes High Speed Rid Corner Radius End Mills**



**PCBN ENDMILL for precise finishing of hardened steel (HRc52-70)**  
 Long tool life by high quality PCBN.  
 Excellent surface finish.  
 Various flute length for optimum performance.  
 Recommend high speed(20,000-50,000RPM) with oil-mist.  
 C.B.N (Cubic Boron Nitride)

**Cutting Data**  
P231

Size	D Tolerance
D≤Φ6	+0~ -0.01mm

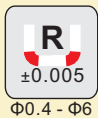
Type	Part Number	Dimensions in mm					d
		D X R	L1	L2	L		
2	B70004D02003Z2-CBN	0.4 X R0.02	0.3		48	4	
	B70004D02010Z2-CBN	0.4 X R0.02	0.3	1	48	4	
CBN	B70004D02015Z2-CBN	0.4 X R0.02	0.3	1.5	48	4	
	B70004D02020Z2-CBN	0.4 X R0.02	0.3	2	48	4	
R	B70004D05003Z2-CBN	0.4 X R0.05	0.3	-	48	4	
	B70004D05010Z2-CBN	0.4 X R0.05	0.3	1	48	4	
±0.005	B70004D05015Z2-CBN	0.4 X R0.05	0.3	1.5	48	4	
	B70004D05020Z2-CBN	0.4 X R0.05	0.3	2	48	4	
Φ0.4 - Φ6	B70004D05030Z2-CBN	0.4 X R0.05	0.3	3	48	4	
	B70004D05040Z2-CBN	0.4 X R0.05	0.3	4	48	4	
30°	B70004D05050Z2-CBN	0.4 X R0.05	0.3	5	48	4	
	B70005001004Z2-CBN	0.5 X R0.1	0.4	-	48	4	
Helix Angle	B70005001010Z2-CBN	0.5 X R0.1	0.4	1	48	4	
	B70005001015Z2-CBN	0.5 X R0.1	0.4	1.5	48	4	
2	B70005001020Z2-CBN	0.5 X R0.1	0.4	2	48	4	
	B70005001030Z2-CBN	0.5 X R0.1	0.4	3	48	4	
CBN	B70005001040Z2-CBN	0.5 X R0.1	0.4	4	48	4	
	B70005001050Z2-CBN	0.5 X R0.1	0.4	5	48	4	
R	B70006D05005Z2-CBN	0.6 X R0.05	0.5	-	48	4	
	B70006D05010Z2-CBN	0.6 X R0.05	0.5	1	48	4	
±0.005	B70006D05020Z2-CBN	0.6 X R0.05	0.5	2	48	4	
	B70006D05030Z2-CBN	0.6 X R0.05	0.5	3	48	4	
Φ0.4 - Φ6	B70006D05040Z2-CBN	0.6 X R0.05	0.5	4	48	4	
	B70006D05060Z2-CBN	0.6 X R0.05	0.5	6	48	4	
30°	B70006001005Z2-CBN	0.6 X R0.1	0.5	-	48	4	
	B70006001010Z2-CBN	0.6 X R0.1	0.5	1	48	4	
Helix Angle	B70006001020Z2-CBN	0.6 X R0.1	0.5	2	48	4	
	B70006001030Z2-CBN	0.6 X R0.1	0.5	3	48	4	
2	B70006001040Z2-CBN	0.6 X R0.1	0.5	4	48	4	
	B70006001060Z2-CBN	0.6 X R0.1	0.5	6	48	4	
CBN	B70007001005Z2-CBN	0.7 X R0.1	0.5	-	48	4	
	B70007001020Z2-CBN	0.7 X R0.1	0.5	2	48	4	
R	B70007001040Z2-CBN	0.7 X R0.1	0.5	4	48	4	
	B70007001060Z2-CBN	0.7 X R0.1	0.5	6	48	4	
±0.005	B70008001006Z2-CBN	0.8 X R0.1	0.6	-	48	4	
	B70008001020Z2-CBN	0.8 X R0.1	0.6	2	48	4	
Φ0.4 - Φ6	B70008001040Z2-CBN	0.8 X R0.1	0.6	4	48	4	
	B70008001060Z2-CBN	0.8 X R0.1	0.6	6	48	4	
30°	B70008002006Z2-CBN	0.8 X R0.2	0.6	-	48	4	
	B70008002020Z2-CBN	0.8 X R0.2	0.6	2	48	4	



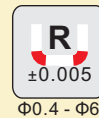
Type	Part Number	Dimensions in mm					d
		D X R	L1	L2	L		
2	B70008002040Z2-CBN	0.8 X R0.2	0.6	4	48	4	
	B70008002060Z2-CBN	0.8 X R0.2	0.6	6	48	4	
CBN	B70010D02007Z2-CBN	1 X R 0.02	0.7	-	48	4	
	B70010D02020Z2-CBN	1 X R 0.02	0.7	2	48	4	
R	B70010D02040Z2-CBN	1 X R0.02	0.7	4	48	4	
	B70010D02060Z2-CBN	1 X R0.02	0.7	6	48	4	
±0.005	B70010D02080Z2-CBN	1 X R0.02	0.7	8	48	4	
	B70010D02100Z2-CBN	1 X R0.02	0.7	10	48	4	
Φ0.4 - Φ6	B70010D05007Z2-CBN	1 X R0.05	0.7	-	48	4	
	B70010D05020Z2-CBN	1 X R0.05	0.7	2	48	4	
30°	B70010D05040Z2-CBN	1 X R0.05	0.7	4	48	4	
	B70010D05060Z2-CBN	1 X R0.05	0.7	6	48	4	
Helix Angle	B70010D05080Z2-CBN	1 X R0.05	0.7	8	48	4	
	B70010D05100Z2-CBN	1 X R0.05	0.7	10	48	4	
2	B70010001007Z2-CBN	1 X R0.1	0.7	-	48	4	
	B70010001020Z2-CBN	1 X R0.1	0.7	2	48	4	
CBN	B70010001040Z2-CBN	1 X R0.1	0.7	4	48	4	
	B70010001060Z2-CBN	1 X R0.1	0.7	6	48	4	
R	B70010001080Z2-CBN	1 X R0.1	0.7	8	48	4	
	B70010001100Z2-CBN	1 X R0.1	0.7	10	48	4	
±0.005	B70010002007Z2-CBN	1 X R0.2	0.7	-	48	4	
	B70010002020Z2-CBN	1 X R0.2	0.7	2	48	4	
Φ0.4 - Φ6	B70010002040Z2-CBN	1 X R0.2	0.7	4	48	4	
	B70010002060Z2-CBN	1 X R0.2	0.7	6	48	4	
30°	B70010002080Z2-CBN	1 X R0.2	0.7	8	48	4	
	B70010002100Z2-CBN	1 X R0.2	0.7	10	48	4	
Helix Angle	B70010003007Z2-CBN	1 X R0.3	0.7	-	48	4	
	B70010003020Z2-CBN	1 X R0.3	0.7	2	48	4	
2	B70010003040Z2-CBN	1 X R0.3	0.7	4	48	4	
	B70010003060Z2-CBN	1 X R0.3	0.7	6	48	4	
CBN	B70010003080Z2-CBN	1 X R0.3	0.7	8	48	4	
	B70010003100Z2-CBN	1 X R0.3	0.7	10	48	4	
R	B70012001007Z2-CBN	1.2 X R0.1	0.7	-	48	4	
	B70012001020Z2-CBN	1.2 X R0.1	0.7	2	48	4	
±0.005	B70012001040Z2-CBN	1.2 X R0.1	0.7	4	48	4	
	B70012001060Z2-CBN	1.2 X R0.1	0.7	6	48	4	
Φ0.4 - Φ6	B70012001080Z2-CBN	1.2 X R0.1	0.7	8	48	4	
	B70012001100Z2-CBN	1.2 X R0.1	0.7	10	48	4	
30°	B70012002007Z2-CBN	1.2 X R0.2	0.7	-	48	4	
	B70012002020Z2-CBN	1.2 X R0.2	0.7	2	48	4	
Helix Angle	B70012002040Z2-CBN	1.2 X R0.2	0.7	4	48	4	
	B70012002060Z2-CBN	1.2 X R0.2	0.7	6	48	4	
2	B70012002080Z2-CBN	1.2 X R0.2	0.7	8	48	4	
	B70012002100Z2-CBN	1.2 X R0.2	0.7	10	48	4	
CBN	B70012003007Z2-CBN	1.2 X R0.3	0.7	-	48	4	
	B70012003020Z2-CBN	1.2 X R0.3	0.7	2	48	4	
R	B70012003040Z2-CBN	1.2 X R0.3	0.7	4	48	4	
	B70012003060Z2-CBN	1.2 X R0.3	0.7	6	48	4	
±0.005	B70012003080Z2-CBN	1.2 X R0.3	0.7	8	48	4	
	B70012003100Z2-CBN	1.2 X R0.3	0.7	10	48	4	
Φ0.4 - Φ6	B70015D02008Z2-CBN	1.5 X R0.02	0.8	-	48	4	
	B70015D02020Z2-CBN	1.5 X R0.02	0.8	2	48	4	
30°	B70015D02040Z2-CBN	1.5 X R0.02	0.8	4	48	4	
	B70015D02060Z2-CBN	1.5 X R0.02	0.8	6	48	4	
Helix Angle	B70015D02080Z2-CBN	1.5 X R0.02	0.8	8	48	4	
	B70015D02100Z2-CBN	1.5 X R0.02	0.8	10	48	4	
2	B70015D05008Z2-CBN	1.5 X R0.05	0.8	-	48	4	
	B70015D05020Z2-CBN	1.5 X R0.05	0.8	2	48	4	



Type	Part Number	Dimensions in mm					d
		D X R	L1	L2	L		
	B70015D05040Z2-CBN	1.5 X R0.05	0.8	4	48	4	
	B70015D05060Z2-CBN	1.5 X R0.05	0.8	6	48	4	
	B70015D05080Z2-CBN	1.5 X R0.05	0.8	8	48	4	
	B70015D05100Z2-CBN	1.5 X R0.05	0.8	10	48	4	
	B70015001008Z2-CBN	1.5 X R0.1	0.8	-	48	4	
	B70015001020Z2-CBN	1.5 X R0.1	0.8	2	48	4	
	B70015001040Z2-CBN	1.5 X R0.1	0.8	4	48	4	
	B70015001060Z2-CBN	1.5 X R0.1	0.8	6	48	4	
	B70015001080Z2-CBN	1.5 X R0.1	0.8	8	48	4	
	B70015001100Z2-CBN	1.5 X R0.1	0.8	10	48	4	
	B70015002008Z2-CBN	1.5 X R0.2	0.8	-	48	4	
	B70015002020Z2-CBN	1.5 X R0.2	0.8	2	48	4	
	B70015002040Z2-CBN	1.5 X R0.2	0.8	4	48	4	
	B70015002060Z2-CBN	1.5 X R0.2	0.8	6	48	4	
	B70015002080Z2-CBN	1.5 X R0.2	0.8	8	48	4	
	B70015002100Z2-CBN	1.5 X R0.2	0.8	10	48	4	
	B70015003008Z2-CBN	1.5 X R0.3	0.8	-	48	4	
	B70015003020Z2-CBN	1.5 X R0.3	0.8	2	48	4	
	B70015003040Z2-CBN	1.5 X R0.3	0.8	4	48	4	
	B70015003060Z2-CBN	1.5 X R0.3	0.8	6	48	4	
	B70015003080Z2-CBN	1.5 X R0.3	0.8	8	48	4	
	B70015003100Z2-CBN	1.5 X R0.3	0.8	10	48	4	
	B70020D02009Z2-CBN	2 X R0.02	0.9	-	50	4	
	B70020D02020Z2-CBN	2 X R0.02	0.9	2	50	4	
	B70020D02040Z2-CBN	2 X R0.02	0.9	4	50	4	
	B70020D02060Z2-CBN	2 X R0.02	0.9	6	50	4	
	B70020D02080Z2-CBN	2 X R0.02	0.9	8	50	4	
	B70020D02100Z2-CBN	2 X R0.02	0.9	10	50	4	
	B70020D05009Z2-CBN	2 X R0.05	0.9	-	50	4	
	B70020D05020Z2-CBN	2 X R0.05	0.9	2	50	4	
	B70020D05040Z2-CBN	2 X R0.05	0.9	4	50	4	
	B70020D05060Z2-CBN	2 X R0.05	0.9	6	50	4	
	B70020D05080Z2-CBN	2 X R0.05	0.9	8	50	4	
	B70020D05100Z2-CBN	2 X R0.05	0.9	10	50	4	
	B70020001009Z2-CBN	2 X R0.1	0.9	-	50	4	
	B70020001020Z2-CBN	2 X R0.1	0.9	2	50	4	
	B70020001040Z2-CBN	2 X R0.1	0.9	4	50	4	
	B70020001060Z2-CBN	2 X R0.1	0.9	6	50	4	
	B70020001080Z2-CBN	2 X R0.1	0.9	8	50	4	
	B70020001100Z2-CBN	2 X R0.1	0.9	10	50	4	
	B70020002009Z2-CBN	2 X R0.2	0.9	-	50	4	
	B70020002020Z2-CBN	2 X R0.2	0.9	2	50	4	
	B70020002040Z2-CBN	2 X R0.2	0.9	4	50	4	
	B70020002060Z2-CBN	2 X R0.2	0.9	6	50	4	
	B70020002080Z2-CBN	2 X R0.2	0.9	8	50	4	
	B70020002100Z2-CBN	2 X R0.2	0.9	10	50	4	
	B70020003009Z2-CBN	2 X R0.3	0.9	-	50	4	
	B70020003020Z2-CBN	2 X R0.3	0.9	2	50	4	
	B70020003040Z2-CBN	2 X R0.3	0.9	4	50	4	
	B70020003060Z2-CBN	2 X R0.3	0.9	6	50	4	
	B70020003080Z2-CBN	2 X R0.3	0.9	8	50	4	
	B70020003100Z2-CBN	2 X R0.3	0.9	10	50	4	
	B70020005009Z2-CBN	2 X R0.5	0.9	-	50	4	
	B70020005020Z2-CBN	2 X R0.5	0.9	2	50	4	
	B70020005040Z2-CBN	2 X R0.5	0.9	4	50	4	
	B70020005060Z2-CBN	2 X R0.5	0.9	6	50	4	
	B70020005080Z2-CBN	2 X R0.5	0.9	8	50	4	
	B70020005100Z2-CBN	2 X R0.5	0.9	10	50	4	



Type	Part Number	Dimensions in mm					d
		D X R	L1	L2	L		
	B70025001012Z2-CBN	2.5 X R0.1	1.2	-	66	6	
	B70025001040Z2-CBN	2.5 X R0.1	1.2	4	66	6	
	B70025001100Z2-CBN	2.5 X R0.1	1.2	10	66	6	
	B70025002012Z2-CBN	2.5 X R0.2	1.2	-	66	6	
	B70025002040Z2-CBN	2.5 X R0.2	1.2	4	66	6	
	B70025002100Z2-CBN	2.5 X R0.2	1.2	10	66	6	
	B70025003012Z2-CBN	2.5 X R0.3	1.2	-	66	6	
	B70025003040Z2-CBN	2.5 X R0.3	1.2	4	66	6	
	B70025003100Z2-CBN	2.5 X R0.3	1.2	10	66	6	
	B70030001060Z2-CBN	3 X R0.1	1.2	6	66	6	
	B70030001100Z2-CBN	3 X R0.1	1.2	10	66	6	
	B70030001160Z2-CBN	3 X R0.1	1.2	16	66	6	
	B70030001200Z2-CBN	3 X R0.1	1.2	20	66	6	
	B70030002060Z2-CBN	3 X R0.2	1.2	6	66	6	
	B70030002100Z2-CBN	3 X R0.2	1.2	10	66	6	
	B70030002160Z2-CBN	3 X R0.2	1.2	16	66	6	
	B70030002200Z2-CBN	3 X R0.2	1.2	20	66	6	
	B70030003060Z2-CBN	3 X R0.3	1.2	6	66	6	
	B70030003100Z2-CBN	3 X R0.3	1.2	10	66	6	
	B70030003160Z2-CBN	3 X R0.3	1.2	16	66	6	
	B70030003200Z2-CBN	3 X R0.3	1.2	20	66	6	
	B70030005060Z2-CBN	3 X R0.5	1.2	6	66	6	
	B70030005100Z2-CBN	3 X R0.5	1.2	10	66	6	
	B70030005160Z2-CBN	3 X R0.5	1.2	16	66	6	
	B70030005200Z2-CBN	3 X R0.5	1.2	20	66	6	
	B70030010060Z2-CBN	3 X R1	1.2	6	66	6	
	B70030010100Z2-CBN	3 X R1	1.2	10	66	6	
	B70030010160Z2-CBN	3 X R1	1.2	16	66	6	
	B70030010200Z2-CBN	3 X R1	1.2	20	66	6	
	B70040001060Z2-CBN	4 X R0.1	1.5	6	66	6	
	B70040001100Z2-CBN	4 X R0.1	1.5	10	66	6	
	B70040001160Z2-CBN	4 X R0.1	1.5	16	66	6	
	B70040002060Z2-CBN	4 X R0.2	1.5	6	66	6	
	B70040002100Z2-CBN	4 X R0.2	1.5	10	66	6	
	B70040002160Z2-CBN	4 X R0.2	1.5	16	66	6	
	B70040003060Z2-CBN	4 X R0.3	1.5	6	66	6	
	B70040003100Z2-CBN	4 X R0.3	1.5	10	66	6	
	B70040003160Z2-CBN	4 X R0.3	1.5	16	66	6	
	B70040005060Z2-CBN	4 X R0.5	1.5	6	66	6	
	B70040005100Z2-CBN	4 X R0.5	1.5	10	66	6	
	B70040005160Z2-CBN	4 X R0.5	1.5	16	66	6	
	B70040010060Z2-CBN	4 X R1	1.5	6	66	6	
	B70040010100Z2-CBN	4 X R1	1.5	10	66	6	
	B70040010160Z2-CBN	4 X R1	1.5	16	66	6	
	B70060003030Z2-CBN	6 X R0.3	3	-	83	6	
	B70060003150Z2-CBN	6 X R0.3	3	15	83	6	
	B70060005030Z2-CBN	6 X R0.5	3	-	83	6	
	B70060005150Z2-CBN	6 X R0.5	3	15	83	6	
	B70060010030Z2-CBN	6 X R1	3	-	83	6	
	B70060010150Z2-CBN	6 X R1	3	15	83	6	

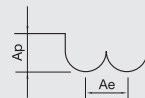


B00 Series

**B10**

RPM : rev./min · Feed : mm/min

Material	Prehardened Steels / Hardened Steels NAK / SKD61				Hardened Steels STAVX / SKD61				Hardened Steels SKD11 / YXR7 / SKH51				
	30HRc ~ 45HRc				45HRc ~ 55HRc				55HRc ~ 68HRc				
Radius	Effective Length Length of cut	RPM	FEED	Ap Axial Depth	Ae Radial Depth	RPM	FEED	Ap Axial Depth	Ae Radial Depth	RPM	FEED	Ap Axial Depth	Ae Radial Depth
R 0.1	0.2	50,000	326	0.005	0.005	50,000	216	0.004	0.004	50,000	120	0.003	0.003
-	0.5	50,000	308	0.004	0.004	50,000	198	0.003	0.003	50,000	110	0.002	0.003
R 0.15	0.3	50,000	800	0.006	0.010	50,000	520	0.004	0.005	50,000	410	0.003	0.005
-	0.5	50,000	720	0.006	0.010	50,000	450	0.003	0.005	50,000	390	0.003	0.005
-	1	50,000	650	0.006	0.010	50,000	410	0.003	0.005	50,000	350	0.003	0.004
R 0.2	0.3	50,000	1,120	0.010	0.010	50,000	750	0.005	0.006	50,000	650	0.005	0.005
-	1	50,000	1,050	0.010	0.010	50,000	710	0.005	0.005	50,000	600	0.005	0.005
-	3	50,000	540	0.005	0.005	50,000	360	0.003	0.003	50,000	310	0.002	0.003
R 0.25	0.4	50,000	1,420	0.010	0.020	50,000	1,210	0.050	0.010	50,000	1,030	0.005	0.001
-	1	50,000	1,290	0.010	0.015	50,000	1,100	0.005	0.010	50,000	980	0.005	0.010
-	3	50,000	1,090	0.010	0.015	50,000	850	0.005	0.010	50,000	730	0.005	0.010
R 0.3	0.5	50,000	2,300	0.020	0.020	50,000	1,890	0.015	0.015	50,000	1,520	0.010	0.010
-	1	50,000	2,180	0.020	0.020	50,000	1,760	0.010	0.010	50,000	1,490	0.010	0.010
-	3	40,000	1,300	0.015	0.020	40,000	1,060	0.010	0.010	40,000	870	0.010	0.010
-	5	30,000	650	0.015	0.050	30,000	590	0.010	0.010	30,000	390	0.005	0.005
R 0.4	0.6	50,000	2,600	0.020	0.030	50,000	1,980	0.020	0.020	50,000	1,720	0.010	0.020
-	2	40,000	2,100	0.015	0.020	40,000	1,450	0.015	0.015	40,000	1,210	0.010	0.010
-	4	30,000	1,540	0.015	0.015	30,000	940	0.010	0.015	30,000	840	0.010	0.010
-	8	24,000	970	0.010	0.010	24,000	650	0.005	0.010	24,000	470	0.005	0.005
R 0.5	1.5	40,000	2,560	0.030	0.040	40,000	1,980	0.020	0.030	40,000	1,590	0.020	0.020
-	3	30,000	2,100	0.030	0.030	30,000	1,650	0.020	0.030	30,000	1,240	0.020	0.020
-	5	30,000	1,700	0.030	0.030	30,000	1,360	0.015	0.020	30,000	1,080	0.010	0.015
-	10	16,000	780	0.015	0.015	16,000	620	0.010	0.015	16,000	500	0.010	0.010
R 0.75	2	40,000	2,300	0.040	0.040	40,000	1,920	0.030	0.030	40,000	1,530	0.020	0.030
-	4	30,000	2,010	0.030	0.030	30,000	1,600	0.025	0.025	30,000	1,280	0.020	0.020
-	8	30,000	1,700	0.030	0.030	30,000	1,360	0.020	0.030	30,000	1,080	0.010	0.010
R 1	2	40,000	3,310	0.050	0.050	40,000	2,640	0.040	0.040	40,000	2,110	0.030	0.040
-	6	40,000	3,020	0.030	0.040	40,000	2,410	0.030	0.030	40,000	1,930	0.020	0.030
-	10	24,000	1,210	0.020	0.030	24,000	970	0.010	0.030	24,000	770	0.010	0.020
-	14	16,000	920	0.010	0.020	16,000	780	0.010	0.010	16,000	630	0.010	0.010
R 1.5	3	40,000	2,500	0.030	0.040	40,000	2,000	0.030	0.030	40,000	1,600	0.020	0.030
-	6	32,000	2,100	0.030	0.030	32,000	1,680	0.020	0.030	32,000	1,340	0.020	0.030
-	10	21,000	1,700	0.020	0.030	21,000	1,360	0.020	0.020	21,000	1,080	0.010	0.020
-	16	16,000	1,100	0.020	0.030	16,000	880	0.010	0.020	16,000	700	0.010	0.010
R 2	4	40,000	2,100	0.030	0.040	40,000	1,680	0.030	0.030	40,000	1,340	0.020	0.030
-	10	21,000	1,620	0.020	0.030	21,000	1,290	0.020	0.020	21,000	1,030	0.010	0.020
-	16	16,000	1,060	0.010	0.020	21,000	840	0.010	0.020	16,000	670	0.010	0.010
R 3		16,000~50,000	960~8000	0.050	0.060	13,000~50,000	780~6,000	0.050	0.060	11,000~50,000	540~4,000	0.050	0.060



Depth of Cut

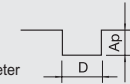
**B20**

RPM : rev./min · Feed : mm/min

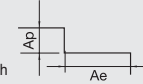
Material	Prehardened Steels / Hardened Steels NAK / SKD61				Hardened Steels STAVX / SKD61				Hardened Steels SKD11 / YXR7 / SKH51				
	30HRc ~ 45HRc				45HRc ~ 55HRc				55HRc ~ 68HRc				
Radius	Effective Length Length of cut	RPM	FEED	Ap Axial Depth	Ae Radial Depth	RPM	FEED	Ap Axial Depth	Ae Radial Depth	RPM	FEED	Ap Axial Depth	Ae Radial Depth
0.2mm	0.2	50,000	211	0.005	0.005	50,000	140	0.004	0.004	50,000	78	0.003	0.003
-	0.5	50,000	200	0.004	0.004	50,000	130	0.003	0.003	50,000	71	0.002	0.003
0.3mm	0.3	50,000	520	0.006	0.010	50,000	290	0.004	0.005	50,000	260	0.003	0.005
-	0.5	50,000	460	0.006	0.010	50,000	270	0.003	0.005	50,000	250	0.003	0.005
-	1	50,000	422	0.006	0.010	50,000	260	0.003	0.005	50,000	220	0.003	0.004
0.4mm	0.3	50,000	840	0.010	0.010	50,000	490	0.005	0.006	50,000	430	0.005	0.005
-	1	50,000	690	0.010	0.010	50,000	470	0.005	0.005	50,000	420	0.005	0.005
-	2	50,000	370	0.005	0.005	50,000	240	0.003	0.003	50,000	209	0.002	0.003
0.5mm	0.4	50,000	940	0.010	0.020	50,000	810	0.050	0.010	50,000	732	0.005	0.010
-	1	50,000	850	0.010	0.015	50,000	560	0.005	0.010	50,000	523	0.005	0.010
-	3	50,000	560	0.010	0.015	50,000	530	0.005	0.010	50,000	504	0.005	0.010
0.8mm	0.6	50,000	1,530	0.020	0.020	50,000	1,254	0.015	0.015	50,000	1,083	0.010	0.010
-	2	50,000	1,440	0.020	0.020	50,000	1,169	0.010	0.010	50,000	1,064	0.010	0.010
-	4	40,000	860	0.015	0.020	40,000	703	0.010	0.010	40,000	620	0.010	0.010
-	6	30,000	440	0.015	0.050	30,000	390	0.010	0.010	30,000	280	0.005	0.005
1mm	0.7	50,000	1,730	0.020	0.030	50,000	1,311	0.020	0.020	50,000	1,230	0.010	0.020
-	2	40,000	1,390	0.015	0.020	40,000	960	0.015	0.015	40,000	870	0.010	0.010
-	4	30,000	1,030	0.015	0.015	30,000	620	0.010	0.015	30,000	600	0.010	0.010
-	8	24,000	650	0.010	0.010	24,000	440	0.005	0.010	24,000	340	0.005	0.005
1.5mm	0.8	40,000	1,700	0.030	0.040	40,000	1,090	0.020	0.030	40,000	1,130	0.020	0.020
-	2	30,000	1,400	0.030	0.030	30,000	1,100	0.020	0.030	30,000	880	0.020	0.020
-	4	30,000	1,130	0.030	0.030	30,000	900	0.015	0.020	30,000	770	0.010	0.015
-	8	16,000	520	0.015	0.015	16,000	410	0.010	0.015	16,000	350	0.010	0.010
2mm	2	40,000	1,530	0.040	0.040	40,000	1,270	0.030	0.030	40,000	1,090	0.020	0.030
-	4	30,000	1,330	0.030	0.030	30,000	1,060	0.025	0.025	30,000	910	0.020	0.020
-	8	30,000	1,130	0.030	0.030	30,000	900	0.020	0.030	30,000	770	0.010	0.010
2.5mm	1.2	40,000	2,200	0.050	0.050	40,000	1,760	0.040	0.040	40,000	1,500	0.030	0.040
-	4	40,000	1,540	0.030	0.040	40,000	1,240	0.030	0.030	40,000	1,150	0.020	0.030
-	10	24,000	810	0.020	0.030	24,000	650	0.010	0.030	24,000	260	0.010	0.020
3mm	6	40,000	1,400	0.030	0.030	40,000	1,120	0.020	0.030	40,000	960	0.020	0.030
-	10	21,000	1,130	0.020	0.030	21,000	900	0.020	0.020	21,000	770	0.010	0.020
-	16	16,000	730	0.020	0.030	16,000	590	0.010	0.020	16,000	500	0.010	0.010
4mm	6	40,000	1,430	0.030	0.040	40,000	1,120	0.030	0.030	40,000	1,040	0.020	0.030
-	10	21,000	1,080	0.020	0.030	21,000	850	0.020	0.020	21,000	740	0.010	0.020
-	16	16,000	700	0.010	0.020	21,000	560	0.010	0.020	16,000	470	0.010	0.010
6mm		16,000~50,000	740~6000	0.050	0.060	13,000~50,000	590~4,000	0.050	0.060	11,000~50,000	390~3,000	0.050	0.060

Depth of Cut

Slotting  
 · Ap : Axial Depth  
 · D : Outside Diameter



Side Milling  
 · Ap : Axial Depth  
 · Ae : Radial Depth



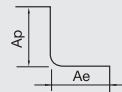
B00 Series

**B70**

RPM : rev./min · Feed : mm/min

Material		Prehardened Steels / Hardened Steels NAK / SKD61				Hardened Steels STAVX / SKD61				Hardened Steels SKD11 / YXR7 / SKH51			
Hardness		30HRc ~ 45HRc				45HRc ~ 55HRc				55HRc ~ 68HRc			
Radius	Effective Length Length of cut	RPM	FEED	Ap Axial Depth	Ae Radial Depth	RPM	FEED	Ap Axial Depth	Ae Radial Depth	RPM	FEED	Ap Axial Depth	Ae Radial Depth
0.4mm	0.3	50,000	890	0.010	0.010	50,000	520	0.005	0.006	50,000	450	0.005	0.005
	1	50,000	730	0.010	0.010	50,000	500	0.005	0.005	50,000	430	0.005	0.005
	2	50,000	390	0.005	0.005	50,000	250	0.003	0.003	50,000	220	0.002	0.003
0.5mm	0.4	50,000	990	0.010	0.020	50,000	850	0.005	0.010	50,000	770	0.005	0.010
	1	50,000	900	0.010	0.015	50,000	590	0.005	0.010	50,000	550	0.005	0.010
	3	50,000	630	0.010	0.015	50,000	560	0.005	0.010	50,000	530	0.005	0.010
0.8mm	0.6	50,000	1,610	0.020	0.020	50,000	1,320	0.015	0.015	50,000	1,140	0.010	0.010
	2	50,000	1,520	0.020	0.020	50,000	1,230	0.010	0.010	50,000	1,120	0.010	0.010
	4	40,000	910	0.015	0.020	40,000	740	0.010	0.010	40,000	650	0.010	0.010
	6	30,000	460	0.015	0.050	30,000	410	0.010	0.010	30,000	290	0.005	0.005
1mm	0.7	50,000	1,820	0.020	0.030	50,000	1,380	0.020	0.020	50,000	1,290	0.010	0.020
	2	40,000	1,470	0.015	0.200	40,000	1,010	0.015	0.015	40,000	910	0.010	0.010
	4	30,000	1,080	0.015	0.015	30,000	660	0.010	0.015	30,000	630	0.010	0.010
	8	24,000	680	0.010	0.010	24,000	460	0.005	0.010	24,000	360	0.005	0.005
1.5mm	0.8	40,000	1,790	0.030	0.040	40,000	1,150	0.020	0.030	40,000	1,190	0.020	0.020
	2	30,000	1,470	0.030	0.030	30,000	1,160	0.020	0.030	30,000	930	0.020	0.020
	4	30,000	1,190	0.030	0.030	30,000	950	0.015	0.020	30,000	810	0.010	0.015
	8	16,000	550	0.015	0.015	16,000	430	0.010	0.015	16,000	370	0.010	0.010
2mm	2	40,000	1,610	0.040	0.040	40,000	1,340	0.030	0.030	40,000	1,150	0.020	0.030
	4	30,000	1,400	0.030	0.030	30,000	1,120	0.025	0.025	30,000	960	0.020	0.020
	8	30,000	1,190	0.030	0.030	30,000	950	0.020	0.030	30,000	810	0.010	0.010
2.5mm	1.2	40,000	2,317	0.050	0.050	40,000	1,850	0.040	0.040	40,000	1,580	0.030	0.040
	4	40,000	1,620	0.030	0.040	40,000	1,300	0.030	0.030	40,000	1,210	0.020	0.030
	10	24,000	850	0.020	0.030	24,000	680	0.010	0.030	24,000	280	0.010	0.020
3mm	6	40,000	1,470	0.030	0.030	40,000	1,180	0.020	0.030	40,000	1,010	0.020	0.030
	10	21,000	1,190	0.020	0.030	21,000	950	0.020	0.020	21,000	810	0.010	0.020
	16	16,000	770	0.020	0.030	16,000	620	0.010	0.020	16,000	530	0.010	0.010
4mm	6	40,000	1,510	0.030	0.040	40,000	1,180	0.030	0.030	40,000	1,100	0.020	0.030
	10	21,000	1,140	0.020	0.030	21,000	900	0.020	0.020	21,000	780	0.010	0.020
	16	16,000	740	0.010	0.020	21,000	590	0.010	0.020	16,000	500	0.010	0.010
6mm		16,000~ 50,000	740~ 6000	0.050	0.060	13,000~ 50,000	590~ 4,000	0.050	0.060	11,000~ 50,000	390~ 3,000	0.050	0.060

•Ap : Axial Depth  
•Ae : Radial Depth



Depth of Cut