



Endmill identification

BNBC 2 R030-010 4

No. of flutes Radius of ballnose Length from neck to tip Diameter of shank

Endmills (Unit: mm)

Cat No.	Stock	Dimensions (mm)							
		R	φD _c	ℓ	ℓ ₂	L	φD ₁	φD _s	
BNBC 2R010-0034	●	0.1	0.2	0.2	0.3	50	0.17	4	
2R010-0104	●	0.1	0.2	0.2	1.0	50	0.17	4	
2R020-0054	●	0.2	0.4	0.3	0.5	50	0.37	4	
2R020-0204	●	0.2	0.4	0.3	2.0	50	0.37	4	
2R030-0104	●	0.3	0.6	0.4	1.0	50	0.57	4	
BNBC 2R030-0304	●	0.3	0.6	0.4	3.0	50	0.57	4	
2R050-0304	●	0.5	1.0	0.6	3.0	50	0.97	4	

*Endmills with a nose radius of 0.3mm or greater are available as long-neck flutes. Please contact us for details. Grade BN700

Recommended Cutting Conditions

- (1) For stable machining, a more rigid machine is recommended.
- (2) Non-water soluble coolant recommended. Supply as a mist or externally.
Take fire prevention precautions to avoid fire hazards caused by sparks igniting during machining or tool breakage.
- (3) Shorten overhang as much as possible.
- (4) Adjust cuttings conditions as necessary as machine rigidity and other conditions may vary.
- (5) Depth of cut shown in the table of conditions are maximum depths. Adjust the actual depth of cut to the desired machined surface finish.



Side Milling

Work Material	Copper Alloy				
	Cutting Conditions	Spindle Speeds (min ⁻¹)	Feed Rate (mm/min)	Depth of cut (mm)	
				a _p	f _t
BNBC 2R010-0034	20,000 -50,000	350	0.01	0.02	
2R010-0104					0.007
BNBC 2R020-0054	20,000 -50,000	800	0.025	0.05	
2R020-0204					700
BNBC 2R030-0104	20,000 -50,000	1,400	0.05	0.15	
2R030-0304					1,200
BNBC 2R050-0304	20,000 -50,000	2,200	0.15	0.35	