

ALIMASTER END MILLS

AM2MB

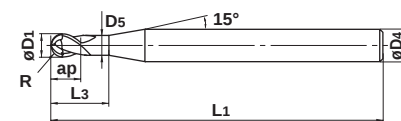
Ball nose end mill, 2 flute, Medium cut length, Relieved neck



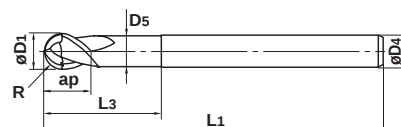
D1 < 2

D1 ≥ 3

Carbon Steel, Alloy Steel, Cast Iron (≤30HRC)	Tool Steel, Pre-Hardened Steel, Hardened Steel (≤45HRC)	Hardened Steel (≤55HRC)	Hardened Steel (>55HRC)	Austenitic Stainless Steel	Titanium Alloy, Heat Resistant Alloy	Copper Alloy	Aluminium Alloy
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Type1



Type2



R ≤ 6	R > 6			
±0.01	±0.02			
D1 ≤ 3	3 < D1 < 6	6 ≤ D1		
0 - 0.020	0 - 0.028	0 - 0.038		

- High accuracy long reach ball nose cutter for aluminium.
- For machining to extreme tolerances with a superior surface finish.

Unit : mm

Order Number	R	D1	ap	L3	D5	L1	D4	Flutes	Stock	Type
AM2MBR0050A040	0.5	1	2.5	—	—	40	4	2	●	1
R0100A060	1	2	6	—	—	60	6	2	●	1
R0150A060	1.5	3	6	9	2.7	60	6	2	●	1
R0200A060	2	4	6	12	3.7	60	6	2	●	1
R0250A060	2.5	5	8	15	4.7	60	6	2	●	1
R0300A060	3	6	10	18	5.7	60	6	2	●	2
R0400A075	4	8	12	24	7.4	75	8	2	●	2
R0500A075	5	10	15	30	9.4	75	10	2	●	2
R0600A075	6	12	18	36	11.4	75	12	2	●	2
R0800A100	8	16	24	40	15.4	100	16	2	●	2
R1000A100	10	20	30	45	19.0	100	20	2	●	2

RECOMMENDED CUTTING CONDITIONS

	Finishing		Roughing	
Work material	Aluminium alloy		Aluminium alloy	
R (mm)	Revolution (min ⁻¹)	Feed rate (mm/min)	Revolution (min ⁻¹)	Feed rate (mm/min)
R 1	20000	2000	20000	1600
R 2	20000	4000	20000	2800
R 3	20000	6000	20000	3200
R 4	20000	7000	17000	4000
R 5	20000	8000	15000	3600
R 6	15000	7500	12000	3600
R 8	12000	7200	10000	3600
R 10	10000	7000	8000	3200
Depth of cut				
	R:Radius			

★ When sinking, reduce the feed rate by 50%.

● : Inventory maintained.