

New

2 Flutes

SUMIDIA Coat Ballnose Endmills

SDCB Type

2 Flutes

SDC Coating

R

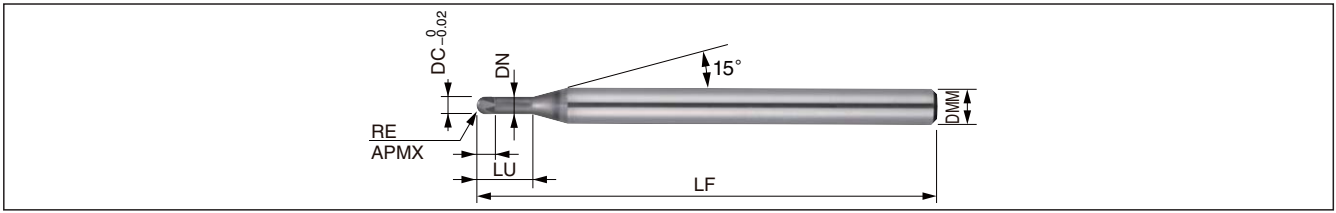
Side Milling

Face Milling

R-Groove Milling

Profile Milling

Coated Carbide	Carbon Steel	Alloy Steel	Pre-hardened Steel	Pre-hardened Steel	Hardened Steel	Hardened Steel	Stainless Steel	Ti Alloy	Cast Iron	Aluminum Alloy	Copper Alloy	Graphite	CFRP	Carbide	Head Shrink Material
			45 to 55 HRC	55 to 60 HRC	60 to 65 HRC										



Body

Cat. No.	Stock	Dimensions (mm)						
		Radius RE	Cutting diameter DC	Depth of cut APMX	Cutting Edge Length LU	Total Length LF	Head diameter DN	Shank diameter DMM
SDCB 2R050-015	●	0.5	1.0	0.6	1.5	50	0.94	4
2R050-020	●	0.5	1.0	0.6	2.0	50	0.94	4
2R050-030	●	0.5	1.0	0.6	3.0	50	0.94	4
2R050-050	●	0.5	1.0	0.6	5.0	50	0.94	4
2R100-025	●	1.0	2.0	1.4	2.5	50	1.92	4
SDCB 2R100-040	●	1.0	2.0	1.4	4.0	50	1.92	4
2R100-060	●	1.0	2.0	1.4	6.0	50	1.92	4
2R100-100	●	1.0	2.0	1.4	10.0	50	1.92	4

Grade: DCM20

Endmill Identification

SDCB 2 R050 - 015

- ① Series Code
- ② No. of Flutes
- ③ Ballnose Radius
- ④ Length Below Neck

Recommended Cutting Conditions

- (1) Use a machine with high rigidity for stable cutting.
- (2) Air blow is recommended, but oil mist or external coolant can also be used.
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.



Work Material		Carbide			
RE (mm)	LU (mm)	Spindle Speed (min ⁻¹)	Feed Rate (mm/min)	a _p (mm)	a _e (mm)
0.5	1.5	30,000	300	0.05	0.25
1.0	2.5	30,000	300	0.10	0.30

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Endmills

Square

2 Flutes

3 Flutes

4 Flutes

6 Flutes

8 Flutes

Radius

Ballnose

DLC

SUMIDIA Coat

Long Neck

Uncoated

CBN

PCD