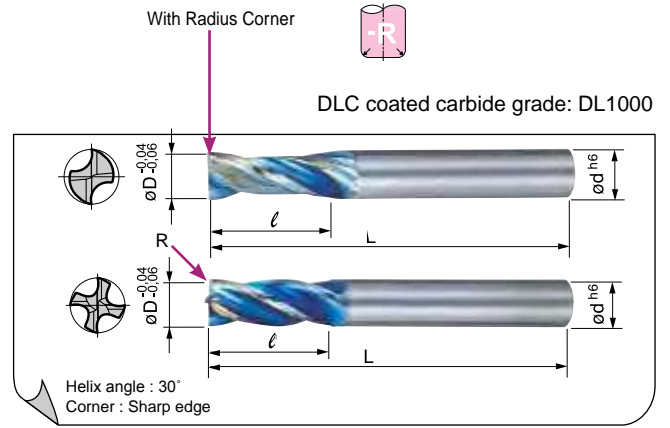
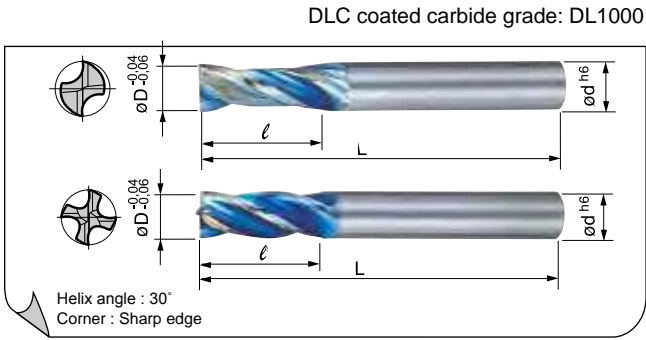


AURORA Coated Spiral Endmills ASM 2000/4000 DL Type

AURORA Coated Spiral Endmills ASM 2000/4000 DL-R Type



Endmills (mm)

	Cat. No.	Stock	$\varnothing D$	ℓ	L	$\varnothing d$
2	ASM 2020 DL	●	2,0	6	40	4
	ASM 2030 DL	●	3,0	10	45	6
	ASM 2040 DL	●	4,0	12	45	6
	ASM 2050 DL	●	5,0	15	50	6
	ASM 2060 DL	●	6,0	15	50	6
	ASM 2080 DL	●	8,0	18	60	8
	ASM 2100 DL	●	10,0	22	71	10
	ASM 2120 DL	●	12,0	25	75	12
	ASM 2160 DL	●	16,0	32	90	16

4	ASM 4020 DL	●	2,0	6	40	4
	ASM 4030 DL	●	3,0	10	45	6
	ASM 4040 DL	●	4,0	12	45	6
	ASM 4050 DL	●	5,0	15	50	6
	ASM 4060 DL	●	6,0	15	50	6
	ASM 4080 DL	●	8,0	18	60	8
	ASM 4100 DL	●	10,0	22	71	10
	ASM 4120 DL	●	12,0	25	75	12
	ASM 4160 DL	●	16,0	32	90	16

Endmills (mm)

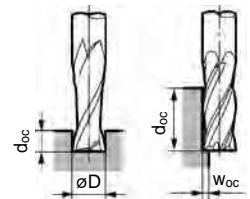
	Cat. No.	Stock	$\varnothing D$	R	ℓ	L	$\varnothing d$
2	ASM 2080 DL-R10	●	8,0	1,0	18	60	8
	ASM 2080 DL-R20	●	8,0	2,0	18	60	8
	ASM 2100 DL-R10	●	10,0	1,0	22	71	10
	ASM 2100 DL-R20	●	10,0	2,0	22	71	10
	ASM 2120 DL-R20	●	12,0	2,0	25	75	12
	ASM 2120 DL-R30	●	12,0	3,0	25	75	12
	ASM 2160 DL-R30	●	16,0	3,0	32	90	16

4	ASM 4080 DL-R10	●	8,0	1,0	18	60	8
	ASM 4080 DL-R20	●	8,0	2,0	18	60	8
	ASM 4100 DL-R10	●	10,0	1,0	22	71	10
	ASM 4100 DL-R20	●	10,0	2,0	22	71	10
	ASM 4120 DL-R20	●	12,0	2,0	25	75	12
	ASM 4120 DL-R30	●	12,0	3,0	25	75	12
	ASM 4160 DL-R30	●	16,0	3,0	32	90	16

Recommended cutting conditions

Recommended :

- (1) Cutting performance is improved when using a high rigidity machine.
- (2) Speeds and feeds should be reduced when there is any excessive vibration or strange noise during the operation.
- (3) In case of chatter first check the cutting conditions.



Work Material	Aluminium Alloy								
	Cutting data	Wet (Emulsion)				Dry			
		Side Milling (4 teeth)		Groove Milling (4 teeth)		Side Milling (4 teeth)		Groove Milling (4 teeth)	
$\varnothing D$ (mm)	Speed (rpm)	Feed (mm/min)	Speed (rpm)	Feed (mm/min)	Speed (rpm)	Feed (mm/min)	Speed (rpm)	Feed (mm/min)	
2,0	40.000	1.400	28.000	280	40.000	980	28.000	200	
3,0	32.000	2.000	22.000	400	32.000	1.400	22.000	280	
4,0	26.000	2.600	18.000	520	26.000	1.800	18.000	360	
5,0	20.000	2.600	14.000	520	20.000	1.800	14.000	360	
6,0	17.000	2.700	12.000	540	17.000	1.900	12.000	370	
8,0	13.000	2.700	9.000	540	13.000	1.900	9.000	370	
10,0	11.000	2.800	7.200	560	11.000	2.000	7.200	390	
12,0	8.500	2.800	6.000	560	8.500	2.000	6.000	390	
16,0	6.400	2.800	4.500	560	6.400	2.000	4.500	390	
Depth and wide of cut	d_{oc}	1,5D		1,0D		1,5D		0,5D	
	w_{oc}	0,2D		(D)		0,2D		(D)	