



Aluminium endmill

# EPN-AL • EPA-AL

Volume 1.2



# KEY FEATURES: EPN-AL • EPA-AL SERIES

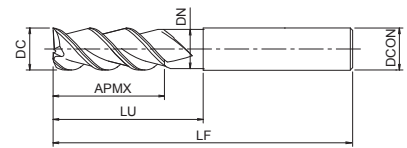
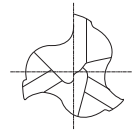
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# EPN-AL-3FL

Milling | Solid carbide



- Carbide end mill, bright finish
- For aluminium and copper alloys
- 3 flutes, long length of cut



EDP	ZEFP	DC	CHW	LU	LF	APMX	DCON	DN
EP019803	3	3	0,05	12	57	9	6	2,9
EP019804	3	4	0,05	16	57	11	6	3,8
EP019805	3	5	0,1	18	57	13	6	4,8
EP019806	3	6	0,1	20	57	13	6	5,8
EP019808	3	8	0,1	25	63	19	8	7,8
EP019810	3	10	0,1	32	72	22	10	9,8
EP019812	3	12	0,2	38	83	26	12	11,8
EP019816	3	16	0,2	50	92	32	16	15,8
EP019820	3	20	0,2	62	104	38	20	19,8

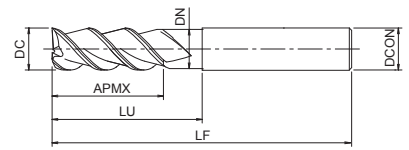
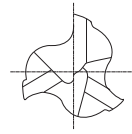
Milling | Solid carbide





# EPA-AL-3FL

Milling | Solid carbide



- Carbide end mill with ALC coating
- For aluminium and copper alloys
- 3 flutes, long length of cut



EDP	ZEFP	DC	CHW	LU	LF	APMX	DCON	DN
EP020003	3	3	0,05	12	57	9	6	2,9
EP020004	3	4	0,05	16	57	11	6	3,8
EP020005	3	5	0,1	18	57	13	6	4,8
EP020006	3	6	0,1	20	57	13	6	5,8
EP020008	3	8	0,1	25	63	19	8	7,8
EP020010	3	10	0,1	32	72	22	10	9,8
EP020012	3	12	0,2	38	83	26	12	11,8
EP020016	3	16	0,2	50	92	32	16	15,8
EP020020	3	20	0,2	62	104	38	20	19,8

Milling | Solid carbide




# CUTTING CONDITIONS


Milling | Endmills | Cutting conditions

## EPN-AL-3FS/FL

Side milling


	Aluminium wrought alloys	Aluminium cast alloy >5% Si <10% Si
	Vc	400 - 600 (m/min)
Ø	fz (mm)	fz (mm)
3	0,027	0,024
4	0,036	0,032
5	0,045	0,041
6	0,054	0,049
8	0,072	0,065
10	0,090	0,081
12	0,108	0,097
16	0,144	0,130
20	0,195	0,175
ae max. 60% x D ap = 1xD		

Slotting


	Aluminium wrought alloys	Aluminium cast alloy >5% Si <10% Si
	Vc	400 - 600 (m/min)
Ø	fz (mm)	fz (mm)
3	0,019	0,017
4	0,025	0,022
5	0,032	0,029
6	0,038	0,034
8	0,050	0,046
10	0,063	0,057
12	0,076	0,068
16	0,101	0,091
20	0,137	0,123
ap = 1xD		

## EPA-AL-3FS/FL

Side milling

	Aluminium wrought alloys	Aluminium cast alloy >5% Si <10% Si
	Vc	500 - 800 (m/min)
Ø	fz (mm)	fz (mm)
3	0,027	0,024
4	0,036	0,032
5	0,045	0,041
6	0,054	0,049
8	0,072	0,065
10	0,090	0,081
12	0,108	0,097
16	0,144	0,130
20	0,195	0,175
ae max. 60% x D ap = 1xD		

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shaping your dreams

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