7-fluted Carbide End Mills for Aerospace Alloys

EPL-TI-7FL-(CB)

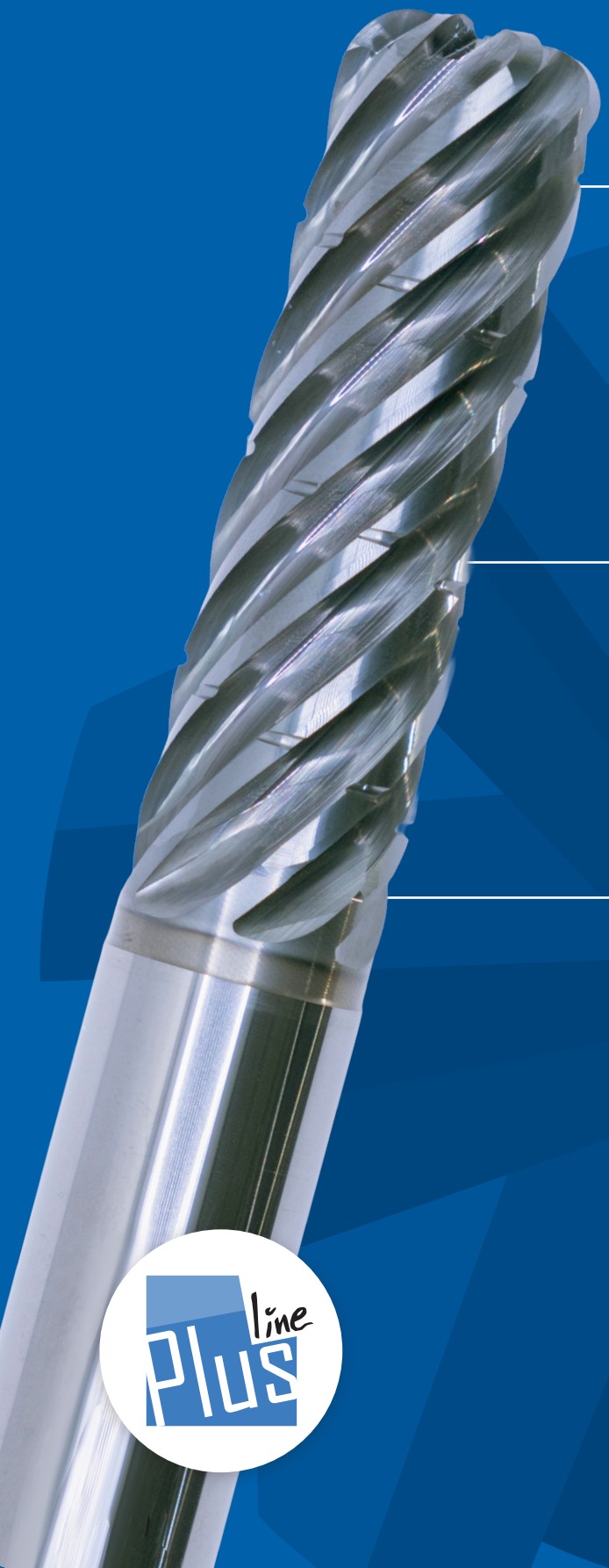
Volume 1.2





Plus line

KEY FEATURES: EPL-TI-7FL



1. 7-fluted carbide end mills for faster and more efficient material removal while reducing the potential of chip buildup and tool wear.

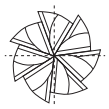
2. Low cutting force and high productivity

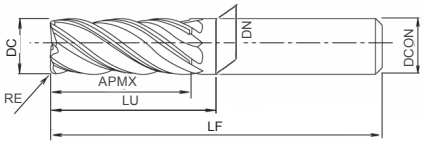
3. AlCrN coating.
Also available with chip breaker.

EPL-TI-7FL

Milling | Solid carbide







- Carbide end mills with AlCrN coating
- For Aerospace Alloys
- 7 flutes, centre cutting, square end and corner radius























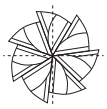
EDP	ZEFP	DC	RE	LU	LF	APMX	DCON	DN
EP02141099	7	10	-	27	73	22	10	9,8
EP02141001	7	10	0,5	27	73	22	10	9,8
EP02141002	7	10	1	27	73	22	10	9,8
EP02141299	7	12	-	38	84	32	12	11,8
EP02141201	7	12	0,5	38	84	32	12	11,8
EP02141202	7	12	1	38	84	32	12	11,8
EP02141204	7	12	2	38	84	32	12	11,8
EP02141699	7	16	-	50	110	42	16	15,8
EP02141601	7	16	0,5	50	110	42	16	15,8
EP02141602	7	16	1	50	110	42	16	15,8
EP02141604	7	16	2	50	110	42	16	15,8
EP02141606	7	16	3	50	110	42	16	15,8
EP02141607	7	16	4	50	110	42	16	15,8
EP02142099	7	20	-	72	125	62	20	19,6
EP02142001	7	20	0,5	72	125	62	20	19,6
EP02142002	7	20	1	72	125	62	20	19,6
EP02142004	7	20	2	72	125	62	20	19,6
EP02142006	7	20	3	72	125	62	20	19,6
EP02142008	7	20	5	72	125	62	20	19,6

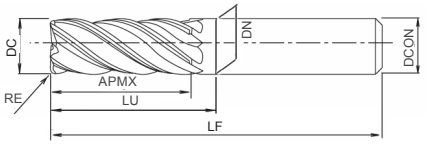


EPL-TI-7FL WITH CHIPBREAKER

Milling | Solid carbide







- Carbide end mills with AlCrN coating
- For Aerospace Alloys
- 7 flutes, centre cutting, square end and corner radius
- With Chipbreaker





EDP	ZEFP	DC	RE	LU	LF	APMX	DCON	DN
EP02151099	7	10	-	27	73	22	10	9,8
EP02151001	7	10	0,5	27	73	22	10	9,8
EP02151002	7	10	1	27	73	22	10	9,8
EP02151299	7	12	-	38	84	32	12	11,8
EP02151201	7	12	0,5	38	84	32	12	11,8
EP02151202	7	12	1	38	84	32	12	11,8
EP02151204	7	12	2	38	84	32	12	11,8
EP02151699	7	16	-	50	110	42	16	15,8
EP02151601	7	16	0,5	50	110	42	16	15,8
EP02151602	7	16	1	50	110	42	16	15,8
EP02151604	7	16	2	50	110	42	16	15,8
EP02151606	7	16	3	50	110	42	16	15,8
EP02151607	7	16	4	50	110	42	16	15,8
EP02152099	7	20	-	72	125	62	20	19,6
EP02152001	7	20	0,5	72	125	62	20	19,6
EP02152002	7	20	1	72	125	62	20	19,6
EP02152004	7	20	2	72	125	62	20	19,6
EP02152006	7	20	3	72	125	62	20	19,6
EP02152008	7	20	5	72	125	62	20	19,6



CUTTING CONDITIONS

EPL-TI-7FL

Side Milling

7 flute variable lead carbide endmill



		Mild Steels - Carbon Steels - Cast Iron Ap = up to Max LOC, Ae = 0,05 ~ 0,1D			Tool Steel - Alloy Steel <30 HRC Ap = up to Max LOC, Ae = 0,05 ~ 0,1D			Stainless Steel Ap = up to Max LOC, Ae = 0,05 ~ 0,1D			Titanium Ap = up to Max LOC, Ae = 0,05 ~ 0,1D			Inconel Ap = up to Max LOC, Ae = 0,05 ~ 0,1D		
Vc		120 m/min			120 m/min			120 m/min			100 m/min			50 m/min			
Ø	Z	S (min^{-1})	F (mm/min)	fz (mm)	S (min^{-1})	F (mm/min)	fz (mm)	S (min^{-1})	F (mm/min)	fz (mm)	S (min^{-1})	F (mm/min)	fz (mm)	S (min^{-1})	F (mm/min)	fz (mm)
10	7	3.820	2.675	0,100	3.820	2.675	0,100	3.180	1.560	0,070	3.180	1.560	0,070	1.590	780	0,070
12	7	3.180	2.450	0,110	3.180	2.450	0,110	2.650	1.575	0,085	2.650	1.575	0,085	1.330	700	0,075
16	7	2.390	2.010	0,120	2.390	2.010	0,120	1.990	1.395	0,100	1.990	1.395	0,100	990	555	0,080
20	7	1.910	1.740	0,130	1.910	1.740	0,130	1.590	1.335	0,120	1.590	1.335	0,120	800	505	0,090

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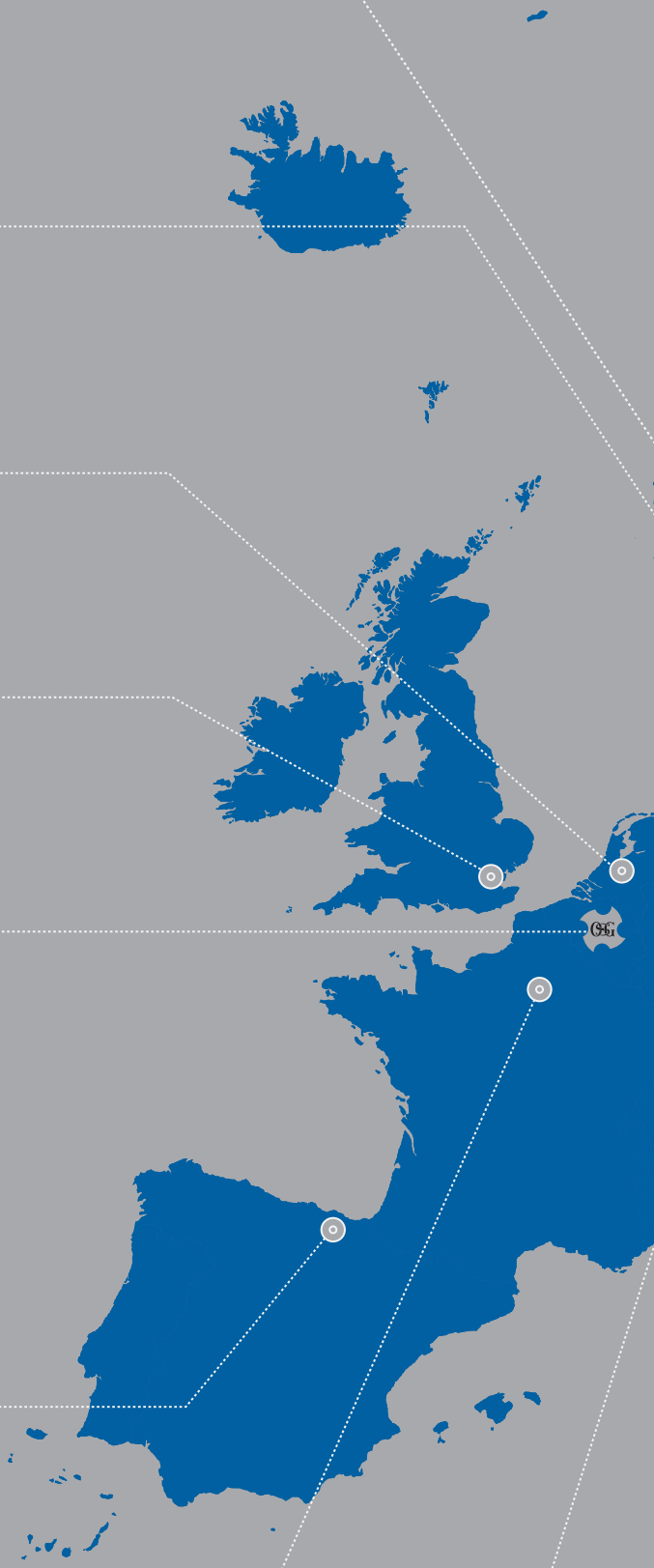
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