



Solid Carbide End Mills

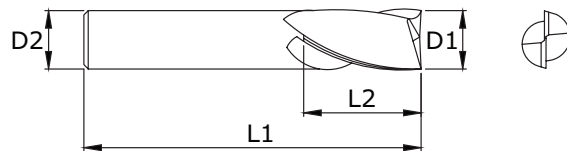
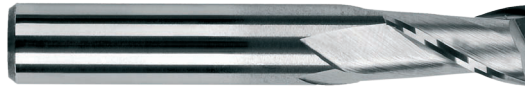
F135 HP Series

2 Flute

Centre cutting high performance end mill for Non ferrous material



N1-N4



					Unit : mm
Diameter	EDP No	Flute Length	Overall Length	Shank Diameter	
Ø D1		L2	L1	Ø D2	
4	FBK0501238	14	51	4	
5	FBK0501315	20	51	5	
6	FBK0501355	20	64	6	
8	FBK0503383	20	64	8	
10	FBK0500829	20	70	10	
12	FBK0503384	20	76	12	
14	FBK0503522	30	89	14	
16	FBK0501605	30	89	16	
20	FBK0501613	30	102	20	

*Custom Solution possible Refer page 2.171

Tensile strength: N/mm² | Hardness: HRC

P0	P1	P2	P3	P4	P5	P6	M1	M2	M3	K1	K2	K3
<530	<530	<530	600-850	850-1400	600-900	900-1350	<600	600-800	<800	125-500	<600	>600
-	-	<25	<35	35-48	<35	35-48	-	<25	<30	<32	<28	<43

N1	N2	N3	N4	N5	N6	N7	S1-Fe Based	S2-Co Based	S3-Ni Based	S4-Ti Based	H1	H2	H3	H4
Wrought Al	Si<12.2%	Si>12.2%	Cu, Zn Alloy	Ny, Pt, Ru, Re, Fg	C, Gr, CFRP, Comp	NMC	500-1200	1000-1500	600-1700	900-1600	-	-	-	-
-	-	-	-	-	-	-	25-48	25-48	<48	33-48	44-48	48-55	56-60	61-70



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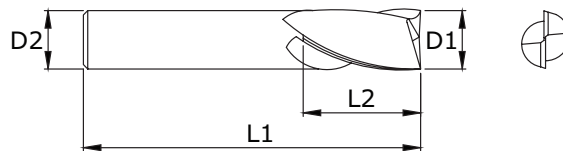
F136 HP Series

2 Flute

Centre cutting high performance end mill for non ferrous material



N1-N4



				Unit : mm	
Diameter	FG Code	Flute Length	Overall Length	Shank Diameter	
ØD1		L2	L1	ØD2	
4	FBK0501239	14	51	4	
5	FBK0501316	20	51	5	
6	FBK0501356	20	64	6	
8	FBK0501618	20	64	8	
10	FBK0500830	25	70	10	
12	FBK0500930	26	76	12	
16	FBK0501606	30	89	16	

*Custom Solution possible Refer page 2.171

Tensile strength: N/mm² | Hardness: HRC

P0	P1	P2	P3	P4	P5	P6	M1	M2	M3	K1	K2	K3
<530	<530	<530	600-850	850-1400	600-900	900-1350	<600	600-800	<800	125-500	<600	>600
-	-	<25	<35	35-48	<35	35-48	-	<25	<30	<32	<28	<43

N1	N2	N3	N4	N5	N6	N7	S1-Fe Based	S2-Co Based	S3-Ni Based	S4-Ti Based	H1	H2	H3	H4
Wrought Al	Si<12.2%	Si>12.2%	Cu, Zn Alloy	Ny, Pt, Ru, Re, Fg	C, Gr, CFRP, Comp	NMC	500-1200	1000-1500	600-1700	900-1600	-	-	-	-
-	-	-	-	-	-	-	25-48	25-48	<48	33-48	44-48	48-55	56-60	61-70