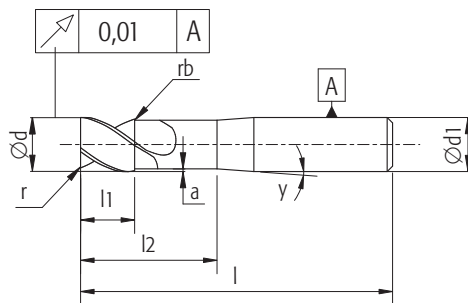




Solid Carbide End Mills

4 Flute

Centre cutting high performance 4 flute end mill for exotic materials



P1-P6

K1-K2

M1-M3

S1-S4

H1

Ød (mm)	EDP No	r (mm)	Ød1 (mm)	L (mm)	L1 (mm)	L2 (mm)	a (mm)	z	γ 0.5°
Short									
3	FBK0505836	0.2	6	39	5	7	0.1	4	15
4	FBK0505837	0.2	6	51	6	9	0.1	4	15
5	FBK0505838	0.2	6	51	7	11	0.2	4	15
6	FBK0505070	0.3	6	64	8	13	0.2	4	-
6	FBK0505071	0.5	6	64	8	13	0.2	4	-
6	FBK0505072	1	6	64	8	13	0.2	4	-
8	FBK0505839	0.3	8	64	11	18	0.3	4	-
8	FBK0505840	0.5	8	64	11	18	0.3	4	-
8	FBK0505073	1	8	64	11	18	0.3	4	-
10	FBK0505841	0.3	10	70	13	22	0.3	4	-
10	FBK0505842	0.5	10	70	13	22	0.3	4	-
10	FBK0505075	1	10	70	13	22	0.3	4	-
12	FBK0505843	0.3	12	78	15	25	0.3	4	-
12	FBK0505076	0.5	12	78	15	25	0.3	4	-
12	FBK0505844	1	12	78	15	25	0.3	4	-
14	FBK0505845	1	14	89	17	30	0.3	4	-
16	FBK0505846	0.5	16	89	19	35	0.3	4	-
16	FBK0505847	1	16	89	19	35	0.3	4	-
20	FBK0505848	0.5	20	102	23	42	0.4	4	-
20	FBK0505849	1	20	102	23	42	0.4	4	-
25	FBK0505850	0.5	25	120	28	45	0.4	4	-
25	FBK0505851	1	25	120	28	45	0.4	4	-

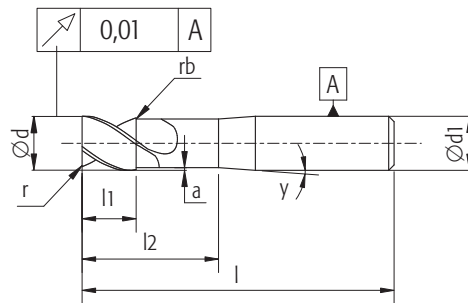
Shank diameters starting from Ø 6 mm also available in weldon



Solid Carbide End Mills

5 Flute

Centre cutting high performance
5 flute end mill for exotic materials



P1-P6

K1-K2

M1-M3

S1-S4

H1

Ød (mm)	EDP No	r (mm)	Ød1 (mm)	L (mm)	L1 (mm)	L2 (mm)	a (mm)	z	γ (°)
Short									
3	FBK0505893	0.2	6	39	5	7	0.1	4	15
4	FBK0505894	0.2	6	51	6	9	0.1	4	15
5	FBK0505895	0.2	6	51	7	11	0.2	4	15
6	FBK0505896	0.3	6	64	8	13	0.2	4	-
6	FBK0505897	0.5	6	64	8	13	0.2	4	-
6	FBK0505898	1	6	64	8	13	0.2	4	-
8	FBK0505899	0.3	8	64	11	18	0.3	4	-
8	FBK0505900	0.5	8	64	11	18	0.3	4	-
8	FBK0505901	1	8	64	11	18	0.3	4	-
10	FBK0505902	0.3	10	70	13	22	0.3	4	-
10	FBK0505903	0.5	10	70	13	22	0.3	4	-
10	FBK0505904	1	10	70	13	22	0.3	4	-
12	FBK0505905	0.3	12	78	15	25	0.3	4	-
12	FBK0505906	0.5	12	78	15	25	0.3	4	-
12	FBK0505907	1	12	78	15	25	0.3	4	-
14	FBK0505908	1	14	89	17	30	0.3	4	-
16	FBK0505909	0.5	16	89	19	35	0.3	5	-
16	FBK0505910	1	16	89	19	35	0.3	5	-
20	FBK0505911	0.5	20	102	23	42	0.4	5	-
20	FBK0505912	1	20	102	23	42	0.4	5	-
25	FBK0505913	0.5	25	120	28	45	0.4	5	-
25	FBK0505914	1	25	120	28	45	0.4	5	-

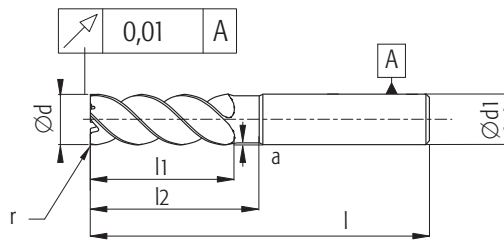
Shank diameters starting from Ø 6 mm also available in weldon



Solid Carbide End Mills

Multi Flute

Centre cutting high performance multi flute end mill for exotic materials



P1-P6

K1-K2

M1-M3

S1-S4

H1

Ød (mm)	EDP No	r (mm)	Ød1 (mm)	L (mm)	L1 (mm)	L2 (mm)	a (mm)	z	γ (°)
Standard									
6	FBK0505051	0.3	6	64	15	-	-	6	-
8	FBK0503657	0.5	8	64	20	-	-	6	-
10	FBK0505052	0.5	10	78	22	-	-	6	-
12	FBK0505053	0.5	12	78	28	-	-	6	-
16	FBK0505054	0.5	16	89	34	-	-	6	-
20	FBK0505055	0.5	20	102	42	-	-	8	-
Long									
6	FBK0505056	0.3	6	64	20	-	-	6	-
8	FBK0505057	0.5	8	78	30	-	-	6	-
10	FBK0505058	0.5	10	89	35	-	-	6	-
12	FBK0505059	0.5	12	102	40	-	-	6	-
16	FBK0505060	0.5	16	102	50	-	-	6	-
20	FBK0505061	0.5	20	125	60	-	-	8	-
Extra long									
8	FBK0505062	0.5	8	102	40	-	-	6	-
10	FBK0505063	0.5	10	125	60	-	-	6	-
12	FBK0505064	0.5	12	150	65	-	-	6	-
16	FBK0505065	0.5	16	150	75	-	-	6	-
20	FBK0505066	0.5	20	150	80	-	-	8	-

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



Solid Carbide End Mills

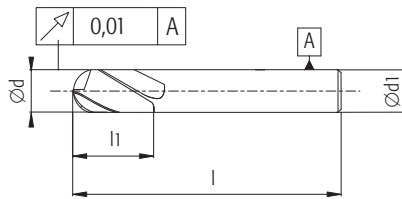
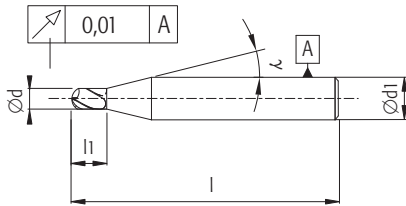
2 Flute

Centre cutting high performance 2 flute ball nose for exotic materials



Micro

Standard



* For endmills L I 100 mm.

P1-P6

K1-K2

M1-M3

S1-S4

H1

Ød (mm)	EDP No	r (mm)	Ød1 (mm)	L (mm)	L1 (mm)	L2 (mm)	a (mm)	z	γ (°)
0.4	FBK0505037	0.20	4	51	0.6	-	-	2	10
0.5	FBK0505038	0.25	4	51	0.9	-	-	2	10
0.6	FBK0505039	0.30	4	51	1.2	-	-	2	10
0.8	FBK0505040	0.40	4	51	1.5	-	-	2	10
1	FBK0505041	0.50	4	51	2	-	-	2	15
1.5	FBK0505042	0.75	4	51	3	-	-	2	15
2	FBK0505043	1.00	4	51	4	-	-	2	15
3	FBK0505044	1.50	4	51	6	-	-	2	15
4	FBK0505045	2.00	6	57	8	-	-	2	15
5	FBK0505046	2.50	6	57	10	-	-	2	15
6	FBK0505047	3.00	6	57	12	-	-	2	-
8	FBK0505048	4.00	8	63	16	-	-	2	-
10	FBK0505049	5.00	10	72	20	-	-	2	-
12	FBK0505050	6.00	12	83	24	-	-	2	-

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