

K-2 CARBIDE

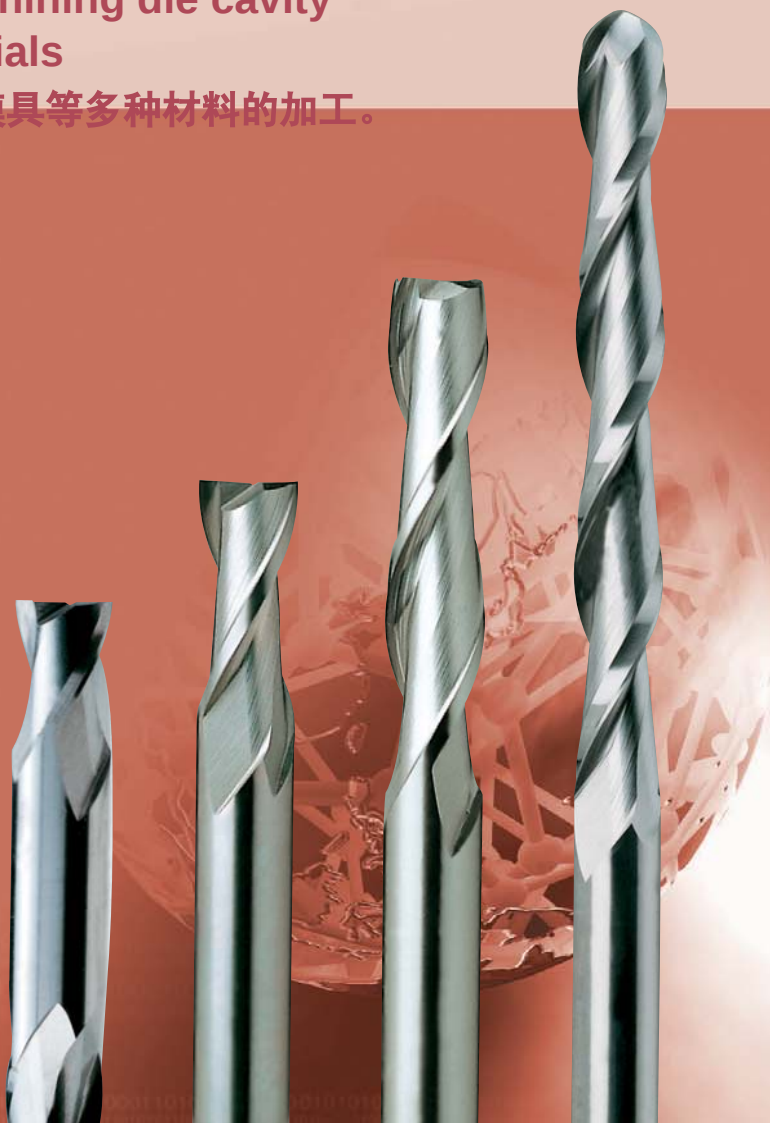
END MILLS

General milling operation

Slotting, Side cutting, Machining die cavity

Suitable for most of materials

普通铣刀，用于开槽，侧铣，模具等多种材料的加工。





K-2 CARBIDE END MILLS

SELECTION GUIDE

G9A23



2 FLUTE, REGULAR LENGTH
2刃, 普通长度

E 172

G9B50



2 FLUTE, LONG LENGTH
2刃, 加长(铣刀)

E 173

G9A76



K-2 CARBIDE 2FLUTE SHORT, CORNER RADIUS
2刃, 短型, 圆鼻铣刀

E 174

G9A24



4 FLUTE, REGULAR LENGTH
4刃, 普通长度

E 176

G9B51



4 FLUTE, LONG LENGTH
4刃, 加长(铣刀)

E 177

G9A77



K-2 CARBIDE 4FLUTE SHORT, CORNER RADIUS
4刃, 短型, 圆鼻铣刀

E 178

G9A25



2 FLUTE, REGULAR LENGTH, BALL NOSE
2刃, 普通长度, 球头

E 180

G9B52

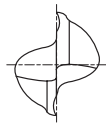


2 FLUTE, LONG LENGTH, BALL NOSE
2刃, 加长, 球头

E 181

K-2 CARBIDE

2 FLUTE, REGULAR LENGTH 2刃, 普通长度



p.E175

- Suitable for dry milling applications at high temperatures.
适于高温干切削。
- Excellent high-performance end mills.
适于高温干切削。
- 2 flute design for slotting.
2刃设计用于铣槽。

● PLAIN SHANK

● G9A23 Series

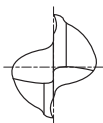
Unit : mm

EDP No. PLAIN	MILL DIAMETER	SHANK DIAMETER h6	LENGTH OF CUT	OVERALL LENGTH
G9A23010	1	4	3	50
G9A23015	1.5	4	4	50
G9A23020	2	4	6	50
G9A23025	2.5	4	8	50
G9A23030	3	4	9	50
G9A23040	4	4	11	50
G9A23050	5	6	13	50
G9A23060	6	6	16	50
G9A23070	7	8	16	60
G9A23080	8	8	19	60
G9A23090	9	10	19	60
G9A23905	9	10	25	75
G9A23100	10	10	25	75
G9A23120	12	12	30	75
G9A23140	14	14	32	75
G9A23906	14	16	45	100
G9A23160	16	16	32	100
G9A23907	16	16	45	100
G9A23180	18	18	32	100
G9A23908	18	20	45	100
G9A23200	20	20	38	100
G9A23909	20	20	45	100

MILL DIA. TOLERANCE(mm)	SHANK DIA. TOLERANCE
0 - 0,03	h6

**K-2
CARBIDE**

2 FLUTE, LONG LENGTH 2刃, 加长(铣刀)



- Suitable for dry milling applications at high temperatures.
适于高温干切削。
- Excellent high-performance end mills.
适于高温干切削。
- 2 flute design for slotting.
2刃设计用于铣槽。

● PLAIN SHANK

● G9B50 Series

Unit : mm

EDP No. PLAIN	MILL DIAMETER	SHANK DIAMETER h6	LENGTH OF CUT	OVERALL LENGTH
G9B50010	1	4	5	75
G9B50901	1	6	5	75
G9B50015	1.5	4	6	75
G9B50902	1.5	6	6	75
G9B50020	2	4	9	75
G9B50903	2	6	9	75
G9B50025	2.5	4	12	75
G9B50904	2.5	6	12	75
G9B50030	3	4	12	75
G9B50905	3	6	12	75
G9B50040	4	4	16	75
G9B50906	4	6	16	75
G9B50050	5	6	20	75
G9B50060	6	6	20	75
G9B50080	8	8	20	100
G9B50100	10	10	25	100
G9B50120	12	12	30	100
G9B50140	14	16	75	150
G9B50160	16	16	75	150
G9B50200	20	20	75	150

MILL DIA. TOLERANCE(mm)	SHANK DIA. TOLERANCE
0 - 0.03	h6

K-2 CARBIDE

K-2 CARBIDE 2FLUTE SHORT, CORNER RADIUS 2刃，短型，圆鼻铣刀



p.E175

- Suitable for dry milling applications at high temperatures.
适于高温干切削。
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- 2 flute design for slotting.
2刃设计用于铣槽。

PLAIN SHANK

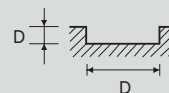
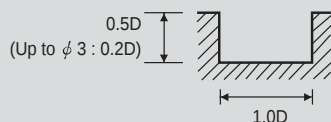
G9A76 Series

Unit : mm

EDP No.	ODD	Radius R	SD	LOC	LOC
G9A7603002	3	0.3	4	6	50
G9A7603003	3	0.5	4	6	50
G9A7604002	4	0.3	4	8	50
G9A7604003	4	0.5	4	8	50
G9A7604004	4	1	4	8	50
G9A7606003	6	0.5	6	12	50
G9A7606004	6	1	6	12	50
G9A7608001	8	0.5	8	16	60
G9A7608002	8	1	8	16	60
G9A7608003	8	0.5	8	16	60
G9A7608004	8	2	8	16	60
G9A7610001	10	0.5	10	20	75
G9A7610002	10	1	10	20	75
G9A7610003	10	1.5	10	20	75
G9A7610004	10	2	10	20	75
G9A7612001	12	0.5	12	24	75
G9A7612002	12	1	12	24	75
G9A7612003	12	1.5	12	24	75
G9A7612004	12	2	12	24	75

● G9A23, G9B50, G9A76

MATERIAL	NON-ALLOYED STEELS, ALLOY STEELS, TOOL STEELS		ALLOY STEELS, HEAT RESISTANT STEELS		STAINLESS STEELS		CAST IRON		ALUMINUM ALLOYS		COPPER, BRASS NON-FERROUS METALS	
HARDNESS	~ HRC 30		HRC 30 ~ HRC 45									
STRENGTH	~ 1000N/mm ²		1000 ~ 1500N/mm ²									
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
1	14300	105	8500	65	7150	50	18700	205	44000	330	24700	200
1.5	9350	150	5550	85	5600	80	12100	205	27500	385	20300	300
2	7850	160	5150	100	4300	80	9350	220	22000	460	16500	340
3	6100	180	3800	120	3150	100	6050	220	15400	460	11000	340
4	5150	255	3150	155	2650	130	4600	220	11000	460	8800	340
5	4300	270	2550	160	2150	135	3650	220	9150	460	6800	340
6	3800	300	2300	190	1950	155	2950	255	7600	485	5700	375
8	2850	325	1700	170	1450	155	2200	275	5700	485	4400	375
10	2200	280	1350	135	1150	135	1850	285	4600	485	3400	375
12	1850	240	1150	110	950	110	1450	295	3750	485	2850	375
14	1700	215	1050	100	850	100	1300	310	3300	485	2400	375
16	1500	185	950	95	700	95	1100	320	2850	485	2200	375
20	1150	145	700	70	550	70	900	340	2200	485	1700	375



※ The FEED, in long & extra long types, should be reduced by around 50%

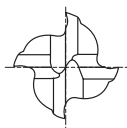
RPM=REVOLUTION PER MIN.
Feed=mm/min



K-2 END MILLS

**K-2
CARBIDE**

4 FLUTE, REGULAR LENGTH 4刃, 普通长度



p.E179

- Suitable for dry milling applications at high temperatures.
适于高温干切削。
- Excellent high-performance end mills.
适于高温干切削。
- 4 flute allows for better work piece finishes.
4 刃可得到好的表面质量。

● PLAIN SHANK

● G9A24 Series

Unit : mm

EDP No. PLAIN	MILL DIAMETER	SHANK DIAMETER h6	LENGTH OF CUT	OVERALL LENGTH
G9A24010	1	4	3	50
G9A24015	1.5	4	4	50
G9A24020	2	4	6	50
G9A24025	2.5	4	8	50
G9A24030	3	4	9	50
G9A24040	4	4	11	50
G9A24050	5	6	13	50
G9A24060	6	6	16	50
G9A24070	7	8	16	60
G9A24080	8	8	19	60
G9A24090	9	10	19	60
G9A24905	9	10	25	75
G9A24100	10	10	25	75
G9A24120	12	12	30	75
G9A24140	14	14	32	75
G9A24906	14	16	45	100
G9A24160	16	16	32	100
G9A24907	16	16	45	100
G9A24908	18	20	45	100
G9A24200	20	20	38	100
G9A24909	20	20	45	100

MILL DIA. TOLERANCE(mm)	SHANK DIA. TOLERANCE
0 - 0.03	h6

**K-2
CARBIDE**

4 FLUTE, LONG LENGTH 4刃, 加长(铣刀)



- Suitable for dry milling applications at high temperatures.
适于高温干切削。
- Excellent high-performance end mills.
适于高温干切削。
- 4 flute allows for better work piece finishes.
4 刃可得到好的表面质量。

● PLAIN SHANK

● G9B51 Series

Unit : mm

EDP No. PLAIN	MILL DIAMETER	SHANK DIAMETER h6	LENGTH OF CUT	OVERALL LENGTH
G9B51010	1	4	5	75
G9B51901	1	6	5	75
G9B51015	1.5	4	6	75
G9B51902	1.5	6	6	75
G9B51020	2	4	9	75
G9B51903	2	6	9	75
G9B51025	2.5	4	12	75
G9B51904	2.5	6	12	75
G9B51030	3	4	12	75
G9B51905	3	6	12	75
G9B51040	4	4	16	75
G9B51906	4	6	16	75
G9B51050	5	6	20	75
G9B51060	6	6	20	75
G9B51080	8	8	20	100
G9B51100	10	10	25	100
G9B51120	12	12	30	100
G9B51140	14	16	75	150
G9B51160	16	16	75	150
G9B51200	20	20	75	150

MILL DIA. TOLERANCE(mm)	SHANK DIA. TOLERANCE
0 - 0.03	h6

K-2 CARBIDE

K-2 CARBIDE 4FLUTE SHORT, CORNER RADIUS 4刃，短型，圆鼻铣刀



p.E179

- Suitable for dry milling applications at high temperatures.
适于高温干切削。
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- 4 flute allows for better work piece finishes.
4 刃可得到好的表面质量。

● PLAIN SHANK

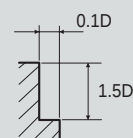
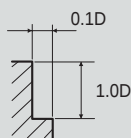
● G9A77 Series

Unit : mm

EDP No. PLAIN	R ±0.02	MILL DIAMETER	SHANK DIAMETER h6	LENGTH OF CUT	OVERALL LENGTH
G9A7703002	0.3	3	4	6	50
G9A7703003	0.5	3	4	6	50
G9A7704002	0.3	4	4	8	50
G9A7704003	0.5	4	4	8	50
G9A7704004	1.0	4	4	8	50
G9A7706003	0.5	6	6	12	50
G9A7706004	1.0	6	6	12	50
G9A7708001	0.5	8	8	16	60
G9A7708002	1.0	8	8	16	60
G9A7708003	1.5	8	8	16	60
G9A7708004	2.0	8	8	16	60
G9A7710001	0.5	10	10	20	75
G9A7710002	1.0	10	10	20	75
G9A7710003	1.5	10	10	20	75
G9A7710004	2.0	10	10	20	75
G9A7712001	0.5	12	12	24	75
G9A7712002	1.0	12	12	24	75
G9A7712003	1.5	12	12	24	75
G9A7712004	2.0	12	12	24	75

● G9A24, G9B51, G9A77

MATERIAL	NON-ALLOYED STEELS, ALLOY STEELS, TOOL STEELS		ALLOY STEELS, HEAT RESISTANT STEELS		STAINLESS STEELS		CAST IRON		ALUMINUM ALLOYS		COPPER, BRASS NON-FERROUS METALS	
HARDNESS	~ HRc 30		HRc 30 ~ HRc 45									
STRENGTH	~ 1000N/mm ²		1000 ~ 1500N/mm ²									
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
1	17600	150	10250	85	8650	75	18700	620	44000	1050	24700	605
1.5	11800	215	7050	115	7050	120	12100	620	27500	1160	20300	910
2	9850	240	6450	145	5350	120	9350	640	22000	1320	16500	1035
3	7600	270	4750	170	3950	145	6050	640	15400	1320	11000	1035
4	6450	485	3950	300	3300	240	4600	640	11000	1320	8800	1035
5	5350	510	3200	305	2700	255	3650	640	9150	1320	6800	1035
6	4750	560	2850	350	2400	280	2950	770	7600	1430	5700	1100
8	3550	605	2150	325	1800	300	2200	815	5700	1430	4400	1100
10	2750	520	1700	255	1450	255	1850	860	4600	1430	3400	1100
12	2350	440	1450	215	1150	205	1450	900	3750	1430	2850	1100
14	2100	395	1300	195	1050	190	1300	945	3300	1430	2400	1100
16	1850	350	1150	170	950	170	1100	970	2850	1430	2200	1100
20	1450	270	900	135	700	130	900	1035	2200	1430	1700	1100

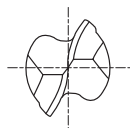


※ The FEED, in long & extra long types, should be reduced by around 50%

RPM=REVOLUTION PER MIN.
Feed=mm/min

K-2 CARBIDE

2 FLUTE, REGULAR LENGTH, BALL NOSE 2刃, 普通长度, 球头



p.E182

- Suitable for dry milling applications at high temperatures.
适于高温干切削。
- Excellent high-performance end mills.
适于高温干切削。
- Designed for milling of radius bottom slots, fillets and special contours.
设计用于铣削圆形底部的槽, 带和特殊轮廓。

●PLAIN SHANK

●G9A25 Series

Unit : mm

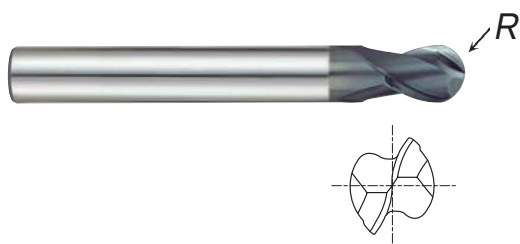
EDP No. PLAIN	R ±0.02	MILL DIAMETER	SHANK DIAMETER h6	LENGTH OF CUT	OVERALL LENGTH
G9A25010	0.5	1	4	2	50
G9A25015	0.75	1.5	4	3	50
G9A25020	1	2	4	4	50
G9A25025	1.25	2.5	4	6	50
G9A25030	1.5	3	4	6	50
G9A25040	2	4	4	8	50
G9A25050	2.5	5	6	10	50
G9A25060	3	6	6	12	50
G9A25080	4	8	8	14	60
G9A25100	5	10	10	18	75
G9A25120	6	12	12	22	75
G9A25910	6	12	12	25	75
G9A25140	7	14	14	32	75
G9A25911	7	14	16	25	100
G9A25160	8	16	16	32	100
G9A25912	8	16	16	30	100
G9A25200	10	20	20	38	100
G9A25913	10	20	20	30	100

MILL DIA. TOLERANCE(mm)	SHANK DIA. TOLERANCE
0 - 0.03	h6

**K-2
CARBIDE**

2 FLUTE, LONG LENGTH, BALL NOSE

2刃, 加长(铣刀), 球头



- Suitable for dry milling applications at high temperatures.
适于高温干切削。
- Excellent high-performance end mills.
适于高温干切削。
- Designed for milling of radius bottom slots, fillets and special contours.
设计用于铣削圆形底部的槽, 带和特殊轮廓。

● **PLAIN SHANK**

● **G9B52 Series**

Unit : mm

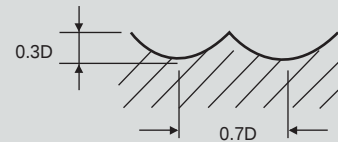
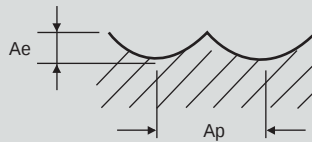
EDP No. PLAIN	R ±0.02	MILL DIAMETER	SHANK DIAMETER h6	LENGTH OF CUT	OVERALL LENGTH
G9B52010	0.5	1	4	2	75
G9B52901	0.5	1	6	2	75
G9B52015	0.75	1.5	4	3	75
G9B52902	0.75	1.5	6	3	75
G9B52020	1	2	4	4	75
G9B52903	1	2	6	4	75
G9B52030	1.5	3	4	8	75
G9B52904	1.5	3	6	8	75
G9B52040	2	4	4	11	75
G9B52905	2	4	6	11	75
G9B52050	2.5	5	6	13	75
G9B52060	3	6	6	13	75
G9B52080	4	8	8	16	100
G9B52100	5	10	10	16	100
G9B52120	6	12	12	25	100
G9B52160	8	16	16	30	150
G9B52200	10	20	20	30	150

MILL DIA. TOLERANCE(mm)	SHANK DIA. TOLERANCE
0 - 0.03	h6

● G9A25, G9B52

MATERIAL	CARBON STEELS, ALLOY STEELS, TOOL STEELS		CARBON STEELS, ALLOY STEELS, TOOL STEELS		HARDENED STEELS		CAST IRON		ALUMINUM ALLOYS	
HARDNESS	~HRC30		HRC30~HRC45		HRC45~HRC50					
STRENGTH	1000N/mm ²		1000 ~ 1500N/mm ²		1500N/mm ²					
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
2	12350	640	9150	415	4000	125	10500	220	30800	395
3	11400	575	8550	390	3800	125	7050	230	20500	395
4	8950	630	7150	450	3600	150	5150	285	15400	395
5	7800	700	6200	490	3100	150	4150	330	12100	470
6	7250	870	5900	705	2700	160	3400	360	10300	470
8	6100	1090	4900	785	2050	190	2500	460	7900	540
10	5450	1330	4350	870	1750	190	2050	460	6150	540
12	4990	1500	3950	950	1500	210	1750	460	5150	630
14	4530	1495	3600	925	1300	210	1400	460	4300	630
16	4085	1470	3200	905	1150	210	1300	460	3850	540
18	3800	1425	3000	890	1050	210	1100	460	3400	540
20	3550	1425	2800	885	950	210	1050	420	2950	540

Ae : D1~D6=0.2mm
D8~D20=0.3mm
Ap : 0.2D



※ The FEED, in long & extra long types, should be reduced by around 50%

RPM=REVOLUTION PER MIN.
Feed=mm/min

