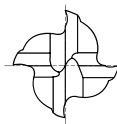


CARBIDE**HSS****D-POWER GRAPHITE END MILLS****EI107 SERIES****PLAIN SHANK****CARBIDE, 4(2) FLUTE REGULAR LENGTH**

- ▶ Higher hardness of film and excellent wear-resistance increase the tool life dramatically.
- ▶ Ultra fine film of YG-1's diamond coated carbide end mills ensure the smooth and excellent surface on work materials.
- ▶ High performance on graphite, wrought aluminum, bakelite, plastics, wood, brass, etc.
- ▶ YG-1's diamond coated carbide end mills may have good result for the machining of non-ferrous metals and non-metallic materials.



MG

for GRAPHITE
◆ U.S.A Stock

Unit : Inch

EDP No.	Mill Diameter	Shank Diameter	Length of Cut	Overall Length
★ 99686	1/64	1/8	3/65	1-1/2
99629	1/8	1/8	1/2	1-1/2
99630	3/16	3/16	5/8	2
99631	1/4	1/4	3/4	2-1/2
99632	5/16	5/16	13/16	2-1/2
99633	3/8	3/8	7/8	2-1/2
99635	1/2	1/2	1	3

★ 2Flute

- ▶ Recommended Cutting Condition
- ▶ Cutting speed : 500~1200 SFPM
- ▶ Feed : .002~.006 inch/tooth

Mill Dia. Tolerance(inch)	Shank Dia. Tolerance
0~-.0012	0~-.0003

CBN END MILLS

i-Xmill END MILLS

i-SMART MODULAR TYPE END MILLS

X5070 END MILLS

4G MILL END MILLS

X-POWER END MILLS

JET-POWER END MILLS

TitaNox -POWER END MILLS

V7 PLUS A END MILLS

V7 MILL INOX END MILLS

ALU-POWER HPC END MILLS

ALU-POWER END MILLS

D-POWER GRAPHITE END MILLS

D-POWER CFRP END MILLS

ROUTERS CFRP

STANDARD CARBIDE END MILLS

ONLY ONE COATED PM60 END MILLS

SINE -POWER END MILLS

TANK-POWER END MILLS

STANDARD COBALT & HSS END MILLS

TECHNICAL DATA

◎ : Excellent ○ : Good

P					H	M	K	N				S		
Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Stainless Steels	Cast Iron	Copper	Graphite	Aluminum	Acrylic	CFRP	Titanium	High Temperature Alloy
~HRc20	HRc20~30	HRc30~40	HRc40~45	HRc45~55	HRc55~70									
									◎	○				



D-POWER GRAPHITE END MILLS

CARBIDE

RECOMMENDED CUTTING CONDITIONS

HSS

CARBIDE, 4 FLUTE CORNER RADIUS with NECK

CBN END MILLS

i-Xmill END MILLS

i-SMART MODULAR TYPE END MILLS

X5070 END MILLS

4G MILL END MILLS

X-POWER END MILLS

JET-POWER END MILLS

TitaNox -POWER END MILLS

V7 PLUS A END MILLS

V7 MILL INOX END MILLS

ALU-POWER HPC END MILLS

ALU-POWER END MILLS

D-POWER GRAPHITE END MILLS

D-POWER CFRP END MILLS

ROUTERS CFRP

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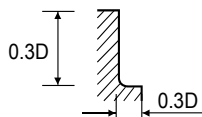
TANK-POWER END MILLS

STANDARD COBALT & HSS END MILLS

TECHNICAL DATA

EIB06 SERIES

MATERIAL	N	
	GRAPHITE	
DIAMETER	RPM	FEED
1/32	40000	44.1
3/64	40000	66.1
1/16	40000	88.2
5/64	40000	110.2
1/8	40000	154.3
5/32	40000	220.5
3/16	40000	264.6
1/4	40000	308.7
5/16	32000	308.7
3/8	26000	316.1
1/2	21000	301.4

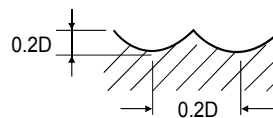


RPM = rev./min.
FEED = inch/min.

CARBIDE, 2 FLUTE BALL NOSE

EI880, EI451, EI450 SERIES

MATERIAL	N	
	GRAPHITE	
DIAMETER	RPM	FEED
2.0	16000	31.5
2.5	16000	44.1
3.0	16000	57.1
3.5	16000	68.9
4.0	16000	82.7
5.0	15500	100.4
6.0	15000	116.1
8.0	13000	118.1
10.0	11500	120.1
12.0	10500	124.0

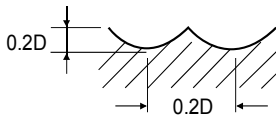


RPM = rev./min.
FEED = inch/min.

CARBIDE, 3 FLUTE BALL NOSE

EI881 SERIES

MATERIAL	N	
	GRAPHITE	
DIAMETER	RPM	FEED
2.0	16000	47.2
2.5	16000	66.9
3.0	16000	84.7
3.5	16000	104.3
4.0	16000	122.1
5.0	15500	149.6
6.0	15000	175.2
8.0	13000	177.2
10.0	11500	181.1
12.0	10500	187.0

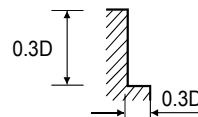


RPM = rev./min.
FEED = inch/min.

CARBIDE, 4 FLUTE

EI107 SERIES

MATERIAL	N	
	GRAPHITE	
DIAMETER	RPM	FEED
1/64	40000	31.5
1/8	40000	63.0
3/16	40000	126.0
1/4	40000	189.0
5/16	32000	196.9
3/8	26000	204.7
1/2	20000	189.0



RPM = rev./min.
FEED = inch/min.