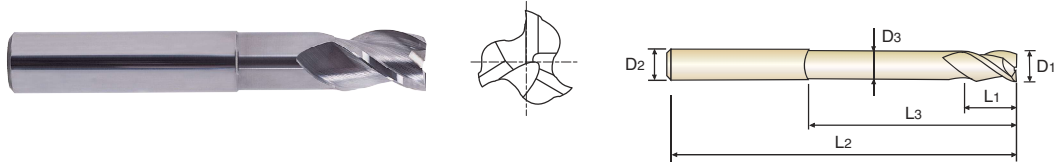


CARBIDE, 3 FLUTE 37° HELIX with EXTENDED NECK

- ▶ High velocity milling of aluminum & other non-ferrous materials.
- ▶ 3flute and 37° helix allow harmonic balance at high speed condition and smooth cutting.
- ▶ Improved surface roughness-cylindrical margin which is controlled tightly.
- ▶ Maximum-metal removal rate.
- ▶ Superior chip evacuation.
- ▶ Mirror face-excellent surface finish.

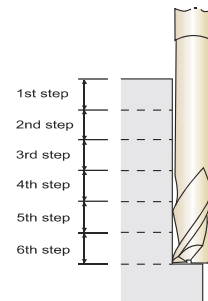


◆ U.S.A Stock

Unit : Inch

EDP No.		Mill Diameter	Shank Diameter	Length of Cut	Length Below Shank	Overall Length	Neck Diameter
UNCOATED	TiCN COATED	D1	D2	L1	L3	L2	D3
40573	40573TC	1/4	1/4	3/8	2-1/4	4	.220
40584	40584TC	3/8	3/8	1/2	2-1/4	4	.345
40593	40593TC	1/2	1/2	5/8	2-1/4	5	.470
40901	40901TC	1/2	1/2	5/8	3-1/4	6	.470
40902	40902TC	1/2	1/2	5/8	4	6	.470
40595	40595TC	5/8	5/8	3/4	2-1/4	5	.585
40903	40903TC	5/8	5/8	3/4	3-1/4	6	.585
40904	40904TC	5/8	5/8	3/4	4-1/4	7	.585
40598	40598TC	3/4	3/4	1	2-1/4	5	.710
40905	40905TC	3/4	3/4	1	3-1/4	6	.710
40906	40906TC	3/4	3/4	1	4-1/4	7	.710
40600	40600TC	1	1	1-1/8	2-1/4	5	.960
40907	40907TC	1	1	1-1/8	3-1/4	6	.960
40908	40908TC	1	1	1-1/8	4-1/4	7	.960

Mill Dia. Tolerance (inch)	Shank Dia. Tolerance
0~- .0005	0~- .0003



STEP MILLING

CBN END MILL

i-Xmill END MILL

X5070 END MILLS

4G MILLS END MILLS

X-SPEED ROUGHER END MILLS

X-POWER END MILLS

JET-POWER END MILLS

V7 Mill STEEL END MILLS

V7 Mill INOX END MILLS

ALU-POWER END MILLS

D-POWER END MILLS

STANDARD CARBIDE END MILLS

TANK-POWER END MILLS

STANDARD COBALT & HSS END MILLS

TECHNICAL DATA

◎ : Excellent ○ : Good

Carbon Steels	Alloy Steels	Prehardened Steels	Hardened Steels		High Hardened Steels	Copper	Graphite	Cast Iron	Aluminum	Stainless Steels	Titanium	Inconel
~HRc20	HRc20~30	HRc30~40	HRc40~45	HRc45~55	HRc55~70							
									◎			



**ALU-POWER
END MILLS**

RECOMMENDED CUTTING CONDITIONS

CBN
END MILL

i-Xmill
END MILL

X5070
END MILLS

4G MILLS
END MILLS

X-SPEED
ROUGHER
END MILLS

X-POWER
END MILLS

JET-POWER
END MILLS

V7 Mill STEEL
END MILLS

V7 Mill INOX
END MILLS

ALU-POWER
END MILLS

D-POWER
END MILLS

STANDARD
CARBIDE
END MILLS

TANK-POWER
END MILLS

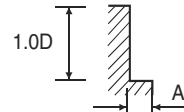
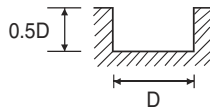
STANDARD
COBALT
& HSS
END MILLS

TECHNICAL
DATA

CARBIDE, 3 FLUTE 37° HELIX with EXTENDED NECK

E5977, E5985 SERIES

MATERIAL	ALUMINUM NONFERROUS METALS		ALUMINUM NONFERROUS METALS	
	DIAMETER	RPM	FEED	RPM
1/4	8000	45.4	8000	56.7
3/8	6400	64.3	6400	79.4
1/2	6400	79.4	6400	98.3
5/8	4800	71.8	4800	90.7
3/4	3200	70.9	3200	87.4
1	2600	63.8	2600	78.7



A : $\varnothing 1/4 \sim \varnothing 3/8 = 0.25 \times D$
 $\varnothing 1/2 \sim \varnothing 1 = 0.5 \times D$

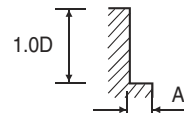
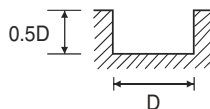
※ The Feed, in long & extra long types, should be reduced by around 50%.

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

CARBIDE, 3 FLUTE 37° HELIX with EXTENDED NECK TiCN COATED

EG977, EG985 SERIES

MATERIAL	ALUMINUM NONFERROUS METALS		ALUMINUM NONFERROUS METALS	
	DIAMETER	RPM	FEED	RPM
1/4	10500	59.0	10500	73.7
3/8	8300	83.5	8300	103.2
1/2	8300	103.2	8300	127.7
5/8	6200	93.4	6200	117.9
3/4	4200	92.1	4200	113.6
1	3400	83.0	3400	102.0



A : $\varnothing 1/4 \sim \varnothing 3/8 = 0.25 \times D$
 $\varnothing 1/2 \sim \varnothing 1 = 0.5 \times D$

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

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