

CARBIDE, 4 FLUTE REGULAR LENGTH

► Possible for high-speed cutting, suitable for high efficiency machining for hardened & high alloy steels, steel casting, chill casting, malleable cast iron, CrNi-steels, brass, copper, aluminum with a high percentage of silicon and abrasive plastics.



MG
4
30°
PLAIN
P.788

Unit : Inch

EDP No.					Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	TiN COATED	TiCN COATED	YG:TYLON F	YG:TYLON E				
07554	07554TN	07554TC	07554TF	07554TE	1/16	1/8	3/16	1-1/2
07555	07555TN	07555TC	07555TF	07555TE	5/64	1/8	3/16	1-1/2
07556	07556TN	07556TC	07556TF	07556TE	3/32	1/8	3/8	1-1/2
07557	07557TN	07557TC	07557TF	07557TE	7/64	1/8	3/8	1-1/2
07558	07558TN	07558TC	07558TF	07558TE	1/8	1/8	1/2	1-1/2
07560	07560TN	07560TC	07560TF	07560TE	9/64	3/16	1/2	2
07561	07561TN	07561TC	07561TF	07561TE	5/32	3/16	9/16	2
07564	07564TN	07564TC	07564TF	07564TE	11/64	3/16	5/8	2
07565	07565TN	07565TC	07565TF	07565TE	3/16	3/16	5/8	2
07569	07569TN	07569TC	07569TF	07569TE	13/64	1/4	5/8	2-1/2
07570	07570TN	07570TC	07570TF	07570TE	7/32	1/4	5/8	2-1/2
07572	07572TN	07572TC	07572TF	07572TE	15/64	1/4	3/4	2-1/2
07573	07573TN	07573TC	07573TF	07573TE	1/4	1/4	3/4	2-1/2
07576	07576TN	07576TC	07576TF	07576TE	9/32	5/16	3/4	2-1/2
07579	07579TN	07579TC	07579TF	07579TE	5/16	5/16	13/16	2-1/2
07584	07584TN	07584TC	07584TF	07584TE	3/8	3/8	1	2-1/2
07588	07588TN	07588TC	07588TF	07588TE	7/16	7/16	1	2-3/4
07593	07593TN	07593TC	07593TF	07593TE	1/2	1/2	1	3
07595	07595TN	07595TC	07595TF	07595TE	5/8	5/8	1-1/4	3-1/2
07598	07598TN	07598TC	07598TF	07598TE	3/4	3/4	1-1/2	4
07600	07600TN	07600TC	07600TF	07600TE	1	1	1-1/2	4

Mill Dia. Tolerance (inch)	Shank Dia. Tolerance
0~-.0012	0~-.0005

◎ : 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							
◎	◎	◎				○		○	○	○		

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

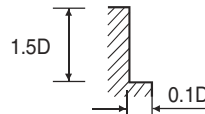
TECHNICAL DATA



CARBIDE, 4 FLUTE - SIDE CUTTING

E5021, E5245, E5012, E5065, E5023, E5024, E5216 SERIES

MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS		CARBON STEELS ALLOY STEELS TOOL STEELS		CARBON STEELS ALLOY STEELS TOOL STEELS		STAINLESS STEELS TITANIUM ALLOYS		CAST IRON		ALUMINUM ALLOYS		COPPER. BRASS NON-FERROUS METALS	
	~ HRc 20		HRc 20 ~ HRc 30		HRc 30 ~ HRc 40									
STRENGTH	500 ~ 800N/mm ²		800 ~ 1000N/mm ²		1000 ~ 1300N/mm ²									
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
3/32	5500	9.5	4800	8.3	4000	6.3	8000	7.9	6500	17.7	16000	37.8	12000	25.4
1/8	3700	10.6	3200	9.5	2600	7.1	5300	7.9	4200	17.7	11000	37.8	8000	25.4
5/32	2800	10.6	2400	9.5	2000	7.1	4000	7.9	3200	17.7	8000	37.8	6000	25.4
3/16	2200	10.6	1900	9.5	1600	7.1	3200	7.9	2500	17.7	6400	37.8	4800	25.4
1/4	1800	10.6	1600	9.5	1300	7.1	2600	7.9	2100	21.3	5300	40.2	4000	30.7
5/16	1400	10.6	1200	9.5	1000	7.1	2000	7.9	1600	22.4	4000	40.2	3000	30.7
3/8	1100	10.6	950	9.5	800	7.1	1600	7.9	1300	23.6	3200	40.2	2400	30.7
1/2	900	10.6	800	9.5	660	7.1	1300	7.9	1000	24.8	2600	40.2	2000	30.7
9/16	800	10.6	700	9.5	570	7.1	1100	7.9	900	26.0	2300	40.2	1700	30.7
5/8	700	11.8	600	10.2	500	8.7	1000	8.9	800	26.8	2000	40.2	1500	30.7
13/16	550	11.8	480	10.2	400	8.7	800	9.5	640	28.4	1600	40.2	1200	30.7



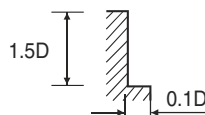
※ The Feed, in long & extra long types, should be reduced by around 50%.

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

CARBIDE, 4 FLUTE TiAlN "F" COATED - SIDE CUTTING

EH021, EH245, EH012, EH065, EH023, EH024, EH216 SERIES

MATERIAL	CARBON STEELS ALLOY STEELS TOOL STEELS		CARBON STEELS ALLOY STEELS TOOL STEELS		CARBON STEELS ALLOY STEELS TOOL STEELS		STAINLESS STEELS TITANIUM ALLOYS		CAST IRON		ALUMINUM ALLOYS		COPPER. BRASS NON-FERROUS METALS	
	~ HRc 20		HRc 20 ~ HRc 30		HRc 30 ~ HRc 40									
STRENGTH	500 ~ 800N/mm ²		800 ~ 1000N/mm ²		1000 ~ 1300N/mm ²									
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
3/32	8640	14.7	7440	12.8	6240	9.9	12000	12.3	10200	27.4	24000	56.7	18000	44.4
1/8	5760	16.5	5040	14.6	4080	10.9	8280	12.3	6600	27.4	16800	56.7	12000	44.4
5/32	4370	16.5	3720	14.6	3120	10.9	6240	12.3	5040	27.4	12000	56.7	9600	44.4
3/16	3430	16.5	3000	14.6	2400	10.9	5040	12.3	3960	27.4	9960	56.7	7440	44.4
1/4	2880	16.5	2400	14.6	2040	10.9	4080	12.3	3240	33.1	8280	61.4	6240	47.2
5/16	2160	16.5	1800	14.6	1560	10.9	3120	12.3	2400	35.0	6240	61.4	4800	47.2
3/8	1680	16.5	1440	14.6	1200	10.9	2400	12.3	2040	36.9	5040	61.4	3720	47.2
1/2	1440	16.5	1200	14.6	1030	10.9	2040	12.3	1560	38.8	4080	61.4	3120	47.2
9/16	1200	16.5	1080	14.6	890	10.9	1680	12.3	1440	40.6	3600	61.4	2640	47.2
5/8	1080	18.4	960	16.1	780	13.7	1560	13.7	1200	41.6	3120	61.4	2400	47.2
13/16	880	18.4	740	16.1	620	13.7	1200	14.6	1000	36.9	2400	61.4	1870	47.2



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

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