



E5025 SERIES

FLAT SHANK

E5024 SERIES

FLAT SHANK

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

CARBIDE, 2&4 FLUTE REGULAR LENGTH DOUBLE

- ▶ Same construction features as single end mill in a more economical version.
- ▶ Suitable for cutting 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
2&4
30°
FLAT
P.1165, 1166

E5025(2 FLUTE) Series

Unit : Inch

EDP No.					Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	TIN COATED	TiCN COATED	YG:TYLON F	YG:TYLON E				
11559	11559TN	11559TC	11559TF	11559TE	1/8	3/8	3/8	3-1/16
11563	11563TN	11563TC	11563TF	11563TE	5/32	3/8	7/16	3-1/8
11567	11567TN	11567TC	11567TF	11567TE	3/16	3/8	1/2	3-1/4
11571	11571TN	11571TC	11571TF	11571TE	7/32	3/8	9/16	3-3/8
11574	11574TN	11574TC	11574TF	11574TE	1/4	3/8	5/8	3-3/8
11577	11577TN	11577TC	11577TF	11577TE	9/32	3/8	11/16	3-3/8
11580	11580TN	11580TC	11580TF	11580TE	5/16	3/8	3/4	3-1/2
11582	11582TN	11582TC	11582TF	11582TE	11/32	3/8	3/4	3-1/2
11584	11584TN	11584TC	11584TF	11584TE	3/8	3/8	3/4	3-1/2
11589	11589TN	11589TC	11589TF	11589TE	7/16	1/2	7/8	4
11593	11593TN	11593TC	11593TF	11593TE	1/2	1/2	1	4

E5024(4 FLUTE) Series

Unit : Inch

EDP No.					Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	TIN COATED	TiCN COATED	YG:TYLON F	YG:TYLON E				
13559	13559TN	13559TC	13559TF	13559TE	1/8	3/8	3/8	3-1/16
13563	13563TN	13563TC	13563TF	13563TE	5/32	3/8	7/16	3-1/8
13567	13567TN	13567TC	13567TF	13567TE	3/16	3/8	1/2	3-1/4
13571	13571TN	13571TC	13571TF	13571TE	7/32	3/8	9/16	3-3/8
13574	13574TN	13574TC	13574TF	13574TE	1/4	3/8	5/8	3-3/8
13577	13577TN	13577TC	13577TF	13577TE	9/32	3/8	11/16	3-3/8
13580	13580TN	13580TC	13580TF	13580TE	5/16	3/8	3/4	3-1/2
13582	13582TN	13582TC	13582TF	13582TE	11/32	3/8	3/4	3-1/2
13584	13584TN	13584TC	13584TF	13584TE	3/8	3/8	3/4	3-1/2
13589	13589TN	13589TC	13589TF	13589TE	7/16	1/2	7/8	4
13593	13593TN	13593TC	13593TF	13593TE	1/2	1/2	1	4

Mill Dia. Tolerance (inch)	
0--.0012	* * 0--.0020

* * The shank of end mills is the same diameter as the cutting portion.

◎ : 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									
◎	◎	◎				○	○	○		○				

CARBIDE, 2 FLUTE - SLOTTING

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
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TitaNox
-POWER
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V7 PLUS A
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ALU-POWER
HPC
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ALU-POWER
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D-POWER
GRAPHITE
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ONLY ONE
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SINE -POWER
END MILLS

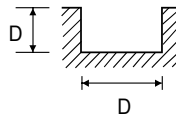
TANK-POWER
END MILLS

STANDARD
COBALT & HSS
END MILLS

TECHNICAL
DATA

E5020, E5244, E5011, E5026, E5022, E5025 SERIES

MATERIAL	P						M		K		N			
	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	
HARDNESS	~ HRc 20		HRc 20 ~ HRc 30		HRc 30 ~ HRc 40									
STRENGTH	500 ~ 800N/mm ²		800 ~ 10 00N/mm ²		1000 ~ 1300N/mm ²									
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
3/32	5500	3.2	4800	2.8	4000	2.2	8000	2.6	6500	5.9	16000	12.6	12000	9.5
1/8	3700	3.5	3200	3.2	2600	2.4	5300	2.6	4200	5.9	11000	12.6	8000	9.5
5/32	2800	3.5	2400	3.2	2000	2.4	4000	2.6	3200	5.9	8000	12.6	6000	9.5
3/16	2200	3.5	1900	3.2	1600	2.4	3200	2.6	2500	5.9	6400	12.6	4800	9.5
1/4	1800	3.5	1600	3.2	1300	2.4	2600	2.6	2100	7.1	5300	13.4	4000	10.2
5/16	1400	3.5	1200	3.2	1000	2.4	2000	2.6	1600	7.5	4000	13.4	3000	10.2
3/8	1100	3.5	950	3.2	800	2.4	1600	2.6	1300	7.9	3200	13.4	2400	10.2
1/2	900	3.5	800	3.2	660	2.4	1300	2.6	1000	8.3	2600	13.4	2000	10.2
9/16	800	3.5	700	3.2	570	2.4	1100	2.6	900	8.7	2300	13.4	1700	10.2
5/8	700	3.9	600	3.4	500	3.0	1000	3.0	800	8.9	2000	13.4	1500	10.2
13/16	550	3.9	480	3.4	400	3.0	800	3.2	640	9.5	1600	13.4	1200	10.2



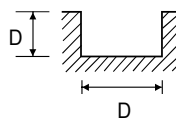
※ The Feed, in long & extra long types, should be reduced by around 50%.

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

CARBIDE, 2 FLUTE TiAIN "F" COATED - SLOTTING

EH020, EH244, EH011, EH026, EH022, EH025 SERIES

MATERIAL	P						M		K		N			
	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	
HARDNESS	~ 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	4.7	7440	4.3	6240	3.3	12000	4.0	10200	9.4	24000	19.9	18000	14.6
1/8	5760	5.7	5040	5.0	4080	3.8	8280	4.0	6600	9.4	16800	19.9	12000	14.6
5/32	4370	5.7	3720	5.0	3120	3.8	6240	4.0	5040	9.4	12000	19.9	9600	14.6
3/16	3430	5.7	3000	5.0	2400	3.8	5040	4.0	3960	9.4	9960	19.9	7440	14.6
1/4	2880	5.7	2400	5.0	2040	3.8	4080	4.0	3240	10.9	8280	20.8	6240	16.1
5/16	2160	5.7	1800	5.0	1560	3.8	3120	4.0	2400	11.8	6240	20.8	4800	16.1
3/8	1680	5.7	1440	5.0	1200	3.8	2400	4.0	2040	12.3	5040	20.8	3720	16.1
1/2	1440	5.7	1200	5.0	1030	3.8	2040	4.0	1560	12.8	4080	20.8	3120	16.1
9/16	1200	5.7	1080	5.0	890	3.8	1680	4.0	1440	13.2	3600	20.8	2640	16.1
5/8	1080	6.1	960	5.2	780	4.7	1560	4.8	1200	13.7	3120	20.8	2400	16.1
13/16	880	6.1	740	5.2	620	4.7	1200	4.8	1000	14.6	2400	20.8	1870	16.1



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

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