

PREMIUM HSS-PM, 2 FLUTE REGULAR LENGTH DOUBLE

- Series E9984, E9984 two flute, end mills are the double end version of E9983, E9983 single-end tools.
Faster feed & speed than normal HSS can be applied to hardened steels up to Rc 45. Accordingly, YPM made by powder metallurgy makes much higher productivity possible.



◆ U.S.A Stock

Unit : Inch

EDP No.		Mill Diameter	Shank Diameter	Length of Cut	Overall Length
UNCOATED	TANK-POWER COATED				
E9984008	E9984008TF	1/8	3/8	3/8	3-1/16
E9984012	E9984012TF	3/16	3/8	7/16	3-1/8
E9984016	E9984016TF	1/4	3/8	1/2	3-1/8
E9984020	E9984020TF	5/16	3/8	9/16	3-1/8
E9984024	E9984024TF	3/8	3/8	9/16	3-1/8
E9984032	E9984032TF	1/2	1/2	13/16	3-3/4
E9984040	E9984040TF	5/8	5/8	1-1/8	4-1/2
E9984048	E9984048TF	3/4	3/4	1-5/16	5
E9984056	E9984056TF	7/8	7/8	1-9/16	5-1/2
E9984064	E9984064TF	1	1	1-5/8	5-7/8

Mill Dia. Tolerance (inch)	
0~-.0010	* * 0~-.0020

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

◎ : 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

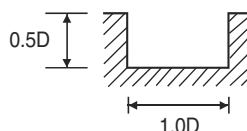
TANK-POWER
END MILLS

STANDARD
COBALT
& HSS
END MILLS

TECHNICAL
DATA

PREMIUM HSS-PM, 2 FLUTE FINISH - SLOTTING
E9983, E9984 SERIES

MATERIAL	STRUCTURAL STEELS, CARBON STEELS		STRUCTURAL STEELS, CARBON STEELS, CAST IRONS		CARBON STEELS, ALLOY STEELS, TOOL STEELS		PREHARDENED STEELS, ALLOY STEELS, TOOL STEELS		ALLOY STEELS, TOOL STEELS AUSTENITIC STAINLESS STEELS	
HARDNESS			~HRc20		HRc20~HRc30		HRc30~HRc35		HRc35~HRc40	
STRENGTH	~ 500N/mm ²		500~800N/mm ²		800~1000N/mm ²		1000~1100N/mm ²		1100~1300N/mm ²	
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
1/8	4600	5.9	3800	5.0	3150	4.2	2150	2.8	1650	2.2
3/16	3800	8.5	3150	6.7	2600	6.1	1650	3.5	1350	2.6
1/4	3150	9.1	2650	7.5	2100	6.6	1350	3.8	1050	3.0
5/16	2500	9.4	2100	8.2	1700	6.9	1100	3.9	855	3.0
3/8	2100	10.1	1800	8.9	1450	7.6	910	4.2	715	3.4
1/2	1650	9.3	1350	8.1	1050	7.0	665	3.9	525	2.9
5/8	1300	9.1	1100	7.3	855	6.1	535	3.6	425	2.8
3/4	995	7.9	820	6.2	710	5.3	450	3.2	360	2.5
7/8	795	6.2	675	5.1	560	4.3	375	2.7	300	2.0
1	710	5.2	590	4.7	465	3.9	335	2.5	235	1.7

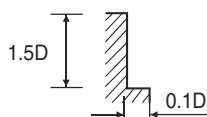


※ The Feed, in long & extra long types, should be reduced by around 50%.

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

PREMIUM HSS-PM, 4 FLUTE FINISH - SIDE CUTTING
E9985, E9986 SERIES

MATERIAL	STRUCTURAL STEELS, CARBON STEELS		STRUCTURAL STEELS, CARBON STEELS, CAST IRONS		CARBON STEELS, ALLOY STEELS, TOOL STEELS		PREHARDENED STEELS, ALLOY STEELS, TOOL STEELS		ALLOY STEELS, TOOL STEELS AUSTENITIC STAINLESS STEELS	
HARDNESS			~HRc20		HRc20~HRc30		HRc30~HRc35		HRc35~HRc40	
STRENGTH	~ 500N/mm ²		500~800N/mm ²		800~1000N/mm ²		1000~1100N/mm ²		1100~1300N/mm ²	
DIAMETER	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED	RPM	FEED
1/8	6300	17.7	6000	14.4	4250	10.4	2700	7.2	2320	5.1
3/16	4600	19.7	4100	16.1	3040	12.6	2070	8.5	1780	6.2
1/4	3800	22.1	3300	18.1	2500	13.0	1700	9.7	1400	7.1
5/16	3100	22.4	2600	18.9	2000	14.2	1400	9.4	1150	7.2
3/8	2500	24.8	2200	20.5	1680	15.0	1180	10.2	960	7.7
1/2	1900	22.1	1720	18.5	1270	14.4	860	9.3	690	2.7
5/8	1600	20.1	1410	16.9	1000	13.3	690	8.9	620	6.7
3/4	1400	17.7	1150	15.2	830	11.5	580	7.3	470	5.7
7/8	1030	15.8	930	12.4	675	9.8	470	6.3	390	5.1
1	1000	14.6	830	11.8	620	8.8	420	5.6	360	4.9



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

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