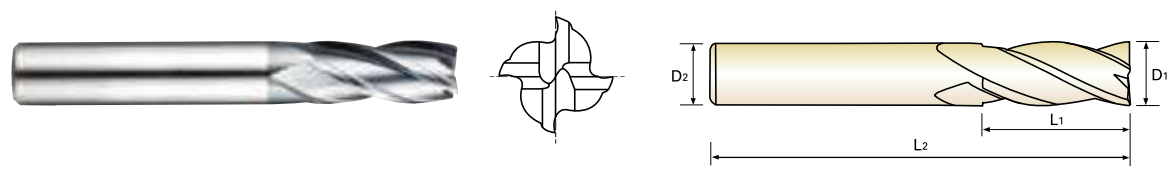


**PM60, 4 FLUTE SHORT LENGTH (Center Cut)**  
 PM60, 4 Schneiden, kurz, Zentrumschnitt  
 Revêtue YG-AICrN - PM60, 4 dents, série courte (Coupe au centre)  
 Rivestita PM60, 4 TAGLIENTI SERIE CORTA (Tagliante al centro)



PM 60 4 30° PLAIN FLAT P. 1334

Unit : mm

EDP No.		Mill Diameter	Shank Diameter	Length of Cut	Overall Length
PLAIN	FLAT	D1	D2	L1	L2
GYG74010	GYF96010	1.0	6	3	49
GYG74020	GYF96020	2.0	6	7	51
GYG74030	GYF96030	3.0	6	8	52
GYG74040	GYF96040	4.0	6	11	55
GYG74050	GYF96050	5.0	6	13	57
GYG74060	GYF96060	6.0	6	13	57
GYG74070	GYF96070	7.0	8	16	66
GYG74080	GYF96080	8.0	8	19	69
GYG74090	GYF96090	9.0	10	19	69
GYG74100	GYF96100	10.0	10	22	72
GYG74120	GYF96120	12.0	12	26	83
GYG74140	GYF96140	14.0	12	26	83
GYG74160	GYF96160	16.0	16	32	92
GYG74180	GYF96180	18.0	16	32	92
GYG74200	GYF96200	20.0	20	38	104
GYG74220	GYF96220	22.0	20	38	104
GYG74250	GYF96250	25.0	25	45	121

Mill Dia. Tolerance(mm)	Shank Dia. Tolerance
0 ~ -0.03	h6

© : 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
~HB225	HB225~325	HRc30~40	HRc40~45 HRc45~55	HRc55~70									
◎	◎	○	○		◎	◎	○						

- CBN END MILLS
- i-Xmill END MILLS
- i-SMART MODULAR TYPE END MILLS
- X5070 END MILLS
- 4G MILL END MILLS
- X-POWER END MILLS
- TitaNox-POWER END MILLS
- JET-POWER END MILLS
- V7 PLUS END MILLS
- V7 MILL INOX END MILLS
- ALU-POWER END MILLS
- D-POWER GRAPHITE END MILLS
- D-POWER CFRP END MILLS
- ROUTERS
- CRX S END MILLS
- K-2 END MILLS
- GENERAL CARBIDE END MILLS
- ONLY ONE COATED PM60 END MILLS
- TANK-POWER END MILLS
- GENERAL HSS END MILLS
- MILLING CUTTERS
- TECHNICAL DATA

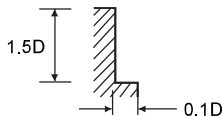
**YG** ONLY ONE END MILLS

**RECOMMENDED CUTTING CONDITIONS  
EMPFOHLENE SCHNEIDKONDITIONEN**

**PM60, 4 FLUTE (Center Cut)  
PM60, 4 Schneiden, kurz, Zentrumschnitt**

**GYG74, GYF96, GYG76, GYG02 SERIES**

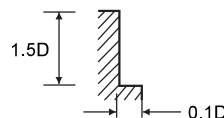
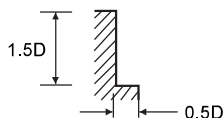
MATERIAL	P															
	STRUCTURAL STEELS CARBON STEELS				STRUCTURAL STEELS CARBON STEELS				CARBON STEELS ALLOY STEELS TOOL STEELS				PREHARDENED STEELS ALLOY STEELS TOOL STEELS			
HARDNESS					~ HRC20				HRC20 ~ HRC30				HRC30 ~ HRC35			
STRENGTH	~ 500N/mm <sup>2</sup>				500 ~ 800N/mm <sup>2</sup>				800 ~ 1000N/mm <sup>2</sup>				1000 ~ 1100N/mm <sup>2</sup>			
DIAMETER	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz
2.0	11040	350	69	0.008	10080	290	63	0.007	7320	205	46	0.007	4920	150	31	0.008
3.0	7920	490	75	0.015	7200	420	68	0.015	5280	300	50	0.014	3240	215	31	0.017
4.0	6360	575	80	0.023	5640	480	71	0.021	4320	360	54	0.021	2760	240	35	0.022
5.0	5280	610	83	0.029	4800	505	75	0.026	3480	385	55	0.028	2400	265	38	0.028
6.0	4680	650	88	0.035	4320	540	81	0.031	3120	395	59	0.032	2160	275	41	0.032
8.0	3720	685	93	0.046	3120	575	78	0.046	2400	445	60	0.046	1680	290	42	0.043
10.0	2760	755	87	0.068	2520	635	79	0.063	1920	455	60	0.059	1200	320	38	0.067
12.0	2400	685	90	0.071	2160	575	81	0.067	1680	445	63	0.066	1070	290	40	0.068
14.0	2160	660	95	0.076	1920	550	84	0.072	1320	420	58	0.080	950	275	42	0.072
16.0	1920	610	97	0.079	1680	515	84	0.077	1200	410	60	0.085	820	265	41	0.081
18.0	1800	550	102	0.076	1500	480	85	0.080	1070	370	61	0.086	760	235	43	0.077
20.0	1500	530	94	0.088	1260	445	79	0.088	940	330	59	0.088	640	210	40	0.082
22.0	1260	490	87	0.097	1140	385	79	0.084	820	305	57	0.093	560	190	39	0.085
25.0	1200	445	94	0.093	1010	365	79	0.090	760	275	60	0.090	500	180	39	0.090



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

RPM = rev./min.  
FEED = mm/min.  
Vc = m/min.  
fz = mm/tooth

MATERIAL	P								M				K			
	ALLOY STEELS TOOL STEELS				ALLOY STEELS TOOL STEELS				STAINLESS STEELS				CAST IRON			
HARDNESS	HRc35 ~ HRc40				HRc40 ~ HRc45											
STRENGTH	1100 ~ 1300N/mm <sup>2</sup>				1300 ~ 1400N/mm <sup>2</sup>											
DIAMETER	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz	RPM	FEED	Vc	fz
2.0	3960	100	25	0.006	2770	70	17	0.006	4360	110	27	0.006	10080	290	63	0.007
3.0	2880	150	27	0.013	2020	105	19	0.013	3170	165	30	0.013	7200	420	68	0.015
4.0	2400	180	30	0.019	1680	125	21	0.019	2640	200	33	0.019	5640	480	71	0.021
5.0	2040	190	32	0.023	1430	135	22	0.024	2240	210	35	0.023	4800	505	75	0.026
6.0	1740	215	33	0.031	1220	150	23	0.031	1910	235	36	0.031	4320	540	81	0.031
8.0	1380	220	35	0.040	970	155	24	0.040	1520	240	38	0.039	3120	575	78	0.046
10.0	1070	240	34	0.056	750	170	24	0.057	1180	265	37	0.056	2520	635	79	0.063
12.0	860	220	32	0.064	600	155	23	0.065	950	240	36	0.063	2160	575	81	0.067
14.0	760	205	33	0.067	530	145	23	0.068	840	225	37	0.067	1920	550	84	0.072
16.0	660	200	33	0.076	460	140	23	0.076	730	220	37	0.075	1680	515	84	0.077
18.0	600	180	34	0.075	420	125	24	0.074	660	200	37	0.076	1500	480	85	0.080
20.0	530	170	33	0.080	370	120	23	0.081	580	185	36	0.080	1260	445	79	0.088
22.0	480	155	33	0.081	340	110	23	0.081	530	170	37	0.080	1140	385	79	0.084
25.0	430	150	34	0.087	300	105	24	0.088	470	165	37	0.088	1010	365	79	0.090



RPM = rev./min.  
FEED = mm/min.  
Vc = m/min.  
fz = mm/tooth