SHN09C

P M K H

PRAMET

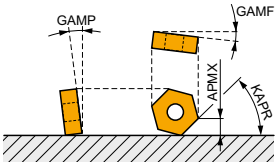
S

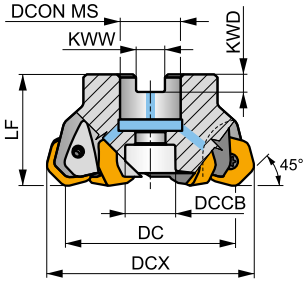


ECON HN09 45° Face Mill with Double Negative Design and Internal Coolant

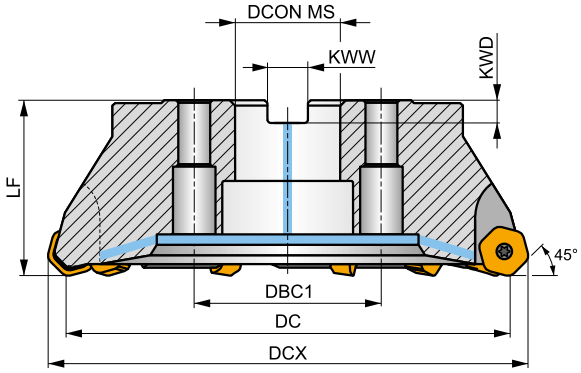
Highly productive 45° face mill utilising double sided HN.. 09 style inserts with APMX of 5 mm. Roughing, finishing and chamfering. Economical insert with 12 cutting edges. Differential tooth pitch. Arbor style only in range from Ø50 up to Ø315 mm. Body treated for longer tool life.

KAPR	45°
APMX	5.0 mm





DC 50 - 125 mm



DC 160 - 315 mm

h_m 0.08 - 0.25

	Product	DC [mm]	DCX [mm]	LF [mm]	DCON MS [mm]	DCCB [mm]	DBC1 [mm]	KWW [mm]	KWD [mm]	GAMF [°]	GAMP [°]			max.		kg			
	50A04R-S45HN09C-CF	50	61.7	40	22	18	–	10.4	6.3	-7	-7	4	✓	7900	✓	0.38	GI252	FA023	–
	63A06R-S45HN09C-CF	63	74.7	40	22	18	–	10.4	6.3	-7	-7	6	✓	7000	✓	0.54	GI252	FA023	–
	80A06R-S45HN09C-CF	80	91.7	50	27	38	–	12.4	7	-7	-7	6	✓	6200	✓	1.06	GI252	FA021	AC001
	80A08R-S45HN09C-CF	80	91.7	50	27	38	–	12.4	7	-7	-7	8	✓	6200	✓	1.06	GI252	FA021	AC001
	100A06R-S45HN09C-CF	100	111.7	50	32	45	–	14.4	8	-7	-7	6	✓	5600	✓	1.76	GI252	FA021	AC002
	100A08R-S45HN09C-CF	100	111.7	50	32	45	–	14.4	8	-7	-7	8	✓	5600	✓	1.76	GI252	FA021	AC002
	100A10R-S45HN09C-CF	100	111.7	50	32	45	–	14.4	8	-8	-7	10	–	5600	✓	1.76	GI252	FA021	AC002
	125A06R-S45HN09C-CF	125	136.7	63	40	56	–	16.4	9	-7	-7	6	✓	5000	✓	3.36	GI252	FA021	AC003
ISO 6462 DIN 8030	**125A08R-S45HN09C-CF**	125	136.7	63	40	56	–	16.4	9	-7	-7	8	✓	4900	✓	3.72	GI252	FA021	AC003
	125A10R-S45HN09C-CF	125	136.7	63	40	56	–	16.4	9	-7	-7	10	✓	5000	✓	3.36	GI252	FA021	AC003
	125A12R-S45HN09C-CF	125	136.7	63	40	56	–	16.4	9	-8	-7	12	–	5000	✓	3.36	GI252	FA021	AC003
	160C08R-S45HN09C-CF	160	171.7	63	40	–	66.7	16.4	9	-7	-7	8	✓	4400	✓	6.30	GI252	FA026	–
	160C12R-S45HN09C-CF	160	171.7	63	40	–	66.7	16.4	9	-7	-7	12	✓	4400	✓	6.46	GI252	FA026	–
	160C14R-S45HN09C-CF	160	171.7	63	40	–	66.7	16.4	9	-7	-7	14	✓	4400	✓	6.45	GI252	FA026	–
	200C10R-S45HN09C-CF	200	211.7	63	60	–	101.6	25.7	14	-7	-7	10	✓	3900	✓	11.37	GI252	FA027	–
	250C14R-S45HN09C-CF	250	261.7	63	60	–	101.6	25.7	14	-7	-7	14	✓	3500	✓	18.50	GI252	FA028	–
	315C16R-S45HN09C-CF	315	326.7	80	60	–	101.6	25.7	14	-7	-7	16	✓	3100	✓	37.00	GI252	FA029	–

GI252	HNGX 0906AN..	XNGX 0906AN..

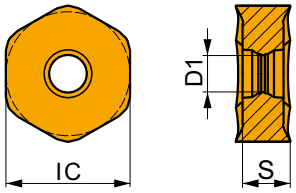
		Nm											
FA021	US 54511-T15P	5.0	M 4.5	11	D-T08P/T15P	FG-15	–	–	–	–	–	–
FA023	US 54511-T15P	5.0	M 4.5	11	D-T08P/T15P	FG-15	HS 1030C	–	–	–	–	–
FA026	US 54511-T15P	5.0	M 4.5	11	D-T08P/T15P	FG-15	HS 1240C	CAC 160C	HSD 0825C	HXK 5	–	–
FA027	US 54511-T15P	5.0	M 4.5	11	D-T08P/T15P	FG-15	HS 1655C	CAC 200C	HSD 1025C	HXK 7	–	–
FA028	US 54511-T15P	5.0	M 4.5	11	D-T08P/T15P	FG-15	HS 1655C	CAC 250C	HSD 1025C	HXK 7	–	–
FA029	US 54511-T15P	5.0	M 4.5	11	D-T08P/T15P	FG-15	HS 1655C	CAC 315C	HSD 1035C	HXK 7	CACP 3150C	RRH 34

AC001	KS 1230	K.FMH27
AC002	KS 1635	K.FMH32
AC003	KS 2040	K.FMH40

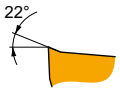
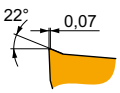
HNGX 09

PRAMET

	IC [mm]	D1 [mm]	S [mm]
0906	16.500	4.90	6.35



Suitability and starting values for cutting speed (vc), feed (f) and depth of cut (ap). Refer to our Machining Calculator app for further calculations.

Product		RE [mm]	P vc [m/min]	P f [mm/tooth]	P ap [mm]	M vc [m/min]	M f [mm/tooth]	M ap [mm]	K vc [m/min]	K f [mm/tooth]	K ap [mm]	N vc [m/min]	N f [mm/tooth]	N ap [mm]	S vc [m/min]	S f [mm/tooth]	S ap [mm]	H vc [m/min]	H f [mm/tooth]	H ap [mm]
																				
			FF geometry with highly positive design for light machining.																	
HNGX 0906ANEN-FF	**8215**	–	■	345	0.10	1.0	◪	205	0.09	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	–	■	335	0.10	1.0	■	200	0.09	1.0	–	–	–	–	–	–	–	–	–	–	–	–
	M9340	–	■	405	0.10	1.0	■	240	0.09	1.0	–	–	–	–	–	–	–	–	–	–	–	–
																				
			F geometry with highly positive design for light to medium machining.																	
HNGX 0906ANSN-F	**8215**	–	■	300	0.12	2.1	◪	180	0.11	2.1	–	–	–	–	–	–	–	–	–	–	–	–
	M6330	–	■	255	0.12	2.1	■	180	0.11	2.1	–	–	–	–	–	–	–	–	–	–	–	–
	M8310	–	■	330	0.12	2.1	◪	165	0.11	2.1	–	–	–	–	–	–	–	–	–	–	–	–
	M8330	–	■	300	0.12	2.1	■	180	0.11	2.1	–	–	–	–	–	–	–	–	–	–	–	–
	M8340	–	■	270	0.12	2.1	■	160	0.11	2.1	–	–	–	–	–	–	–	–	–	–	–	–