



SCN05C



PRAMET

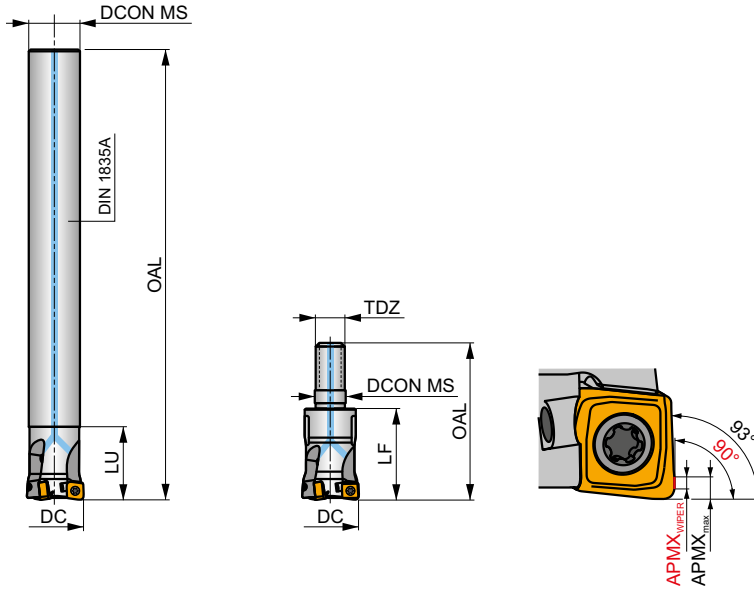
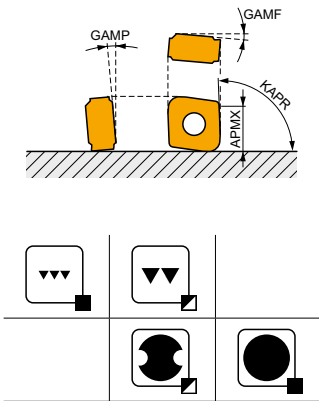
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End Mills for Die & Mold Applications with Internal Coolant

End mill for a wide range of applications in the finishing area for Die & Mold with APMX of 0.5 mm. High precision ground double-sided CNHX 05 inserts with 4 cutting edges provide high accuracy and economy. Available in cylindrical and modular style, in range Ø12 up to Ø20 mm. Body treated for longer tool life.

KAPR	90° (93°)
APMX	0.5 (1.0 mm)



h_m 0.02 - 0.07



Product	DC [mm]	OAL [mm]	DCON MS [mm]	LU [mm]	LF [mm]	TDZ	GAMF [°]	GAMP [°]	Icons	max.	kg	GI330	C0601		
12A2R020A10-SCN05C-C	12	100	10	20	-	-	-15	-8	2	-	48700	✓	0.08	GI330	C0601
16A3R020A14-SCN05C-C	16	130	14	20	-	-	-13.5	-7.8	3	-	42200	✓	0.13	GI330	C0601
20A5R020A18-SCN05C-C	20	160	18	20	-	-	-12.7	-7.5	5	✓	37700	✓	0.28	GI330	C0601
12A2R020M06-SCN05C-C	12	35	6.5	-	20	M6	-15	-8	2	-	-	✓	0.04	GI330	C0601
16A3R025M08-SCN05C-C	16	43	8.5	-	25	M8	-13.5	-7.8	3	-	-	✓	0.06	GI330	C0601
20A5R030M10-SCN05C-C	20	49	10.5	-	30	M10	-12.7	-7.5	5	✓	-	✓	0.08	GI330	C0601

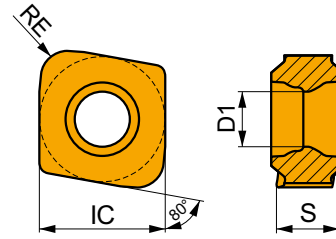
	GI330		CNHX0502..
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	C0601		US 62005-T06P		0.9		M 2		4.9		Flag T06P
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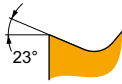
CNHX 05

	IC	D1	S
	[mm]	[mm]	[mm]
0502	4.800	2.10	2.40



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			M			K			N			S			H		
		vc [m/min]	f [mm/tooth]	ap [mm]	vc [m/min]	f [mm/tooth]	ap [mm]	vc [m/min]	f [mm/tooth]	ap [mm]	vc [m/min]	f [mm/tooth]	ap [mm]	vc [m/min]	f [mm/tooth]	ap [mm]	vc [m/min]	f [mm/tooth]	ap [mm]



WM geometry with wiper design for semi-finish to finish machining.

CNHX 050205ER-WM	M4310	0.5	☑	350	0.10	0.5	—	—	—	■	335	0.10	0.5	—	—	—	—	—	—	■	70	0.15	1.0
	M8330	0.5	■	310	0.10	0.5	—	—	—	■	290	0.10	0.5	—	—	—	—	—	—	■	60	0.15	1.0
CNHX 050210ER-WM	M4310	1.0	☑	440	0.10	0.5	—	—	—	■	420	0.10	0.5	—	—	—	—	—	—	■	85	0.15	1.0
	M8330	1.0	■	390	0.10	0.5	—	—	—	■	370	0.10	0.5	—	—	—	—	—	—	☑	75	0.15	1.0



a_e / DC	5 %	10 %	15 %	20 %	25 %	30 %	40 %	50 %	60 %	70 %	75 %	80 %	90 %	100 %
$X.V$	1.48	1.35	1.27	1.22	1.19	1.16	1.11	1.08	1.05	1.03	1.00	1.00	1.00	1.00

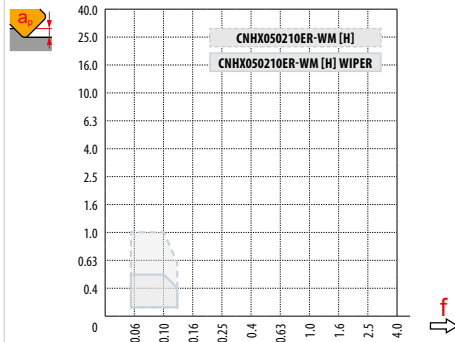
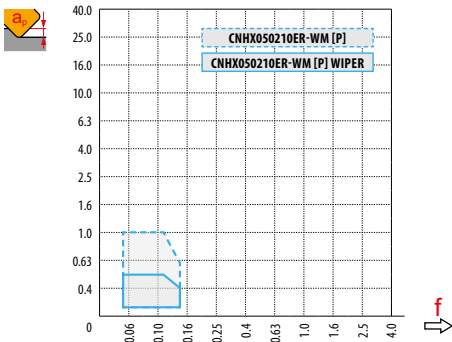


a_e / DC	0.5 %	1.0 %	2.0 %	3.0 %	4.0 %	5.0 %
$X.V$	2.04	1.85	1.68	1.59	1.53	1.48



CNHX 05-WM

RE	0.5	1.0
BS	0.50	0.50



DC	max
12	0.4
16	0.4
20	0.5



DC	RPMX	APMX/I
12	2.4	1/25
16	1.5	1/40
20	1.1	1/54