

Brand new NC3000 series

Wide roughing coverage turning grade for steel and stainless steel

NC3030

CVD
Brand-new



NC3030

NC : CVD
PC : PVD

3 : P(Steel)
6 : K(Cast iron)
8 : S(HRSA)
9 : M(Stainless steel)

0 : Turning
5 : Milling

ISO Grade
P30



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NC3030



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NC3030 CVD coating film

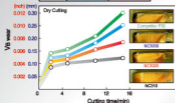


Al ₂ O ₃	Suitable for high speed cutting
Bonding layer	High bonding strength coating layer for high stability
TiC	Better wear resistance in low speed machining
TiCN	Better wear resistance & anti-chipping layer based on micro grain MT-CVD coating technology
Substrate	P30 tough carbide substrate

NC3030 test examples

Wear resistance

	Metric	Inch
Designation	CNMG120403-HM	CNMG032-HM
Workpiece	42CrMo4	AISI4140
V	200m/min	650rpm
f	0.42mm/rev	0.012ipr
D.O.C	2.0mm	0.08inch



Shock resistance

	Metric	Inch
Designation	CNMG120403-HM	CNMG032-HM
Workpiece	42CrMo4	AISI4140(ground)
V	100m/min	300rpm
f	variable	variable
D.O.C	2.0mm	0.08inch



Chip breaker match for NC3030

1. Chip breaker match with NC3030

191



HM (Medium)



HR (Roughing)



B25 (Medium)

2. Various geometries for NC3030 are available



KMP (Positive insert)



SP (Saw-tooth insert, Parting off)



KNUX

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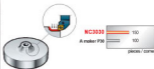
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NC3030 Machining examples

Designation	CNMG120408-HM	CNMG 432-HM
Workpiece	CF53	AS1050
	Automobile machine part	
V	94 ~ 300 m/min	310 ~ 1100 sfm
f	0.25 ~ 0.4 mm/rev	0.01 ~ 0.016 ipr
D.O.C	3.0 ~ 6.0 mm	0.12 ~ 0.24 inch
Coolant	Wet	



Designation	CNMG120408-HM	CNMG 432-HM
Workpiece	ASC17H1	
	Machine part	
V	200 ~ 300 m/min	660 ~ 990 sfm
f	0.2 mm/rev	0.008 ipr
D.O.C	2.0 mm	0.08 inch
Coolant	Wet	



Stock management item for NC3030

Shape	ISO	ASA	C/B	Stock
CCMT	09T308	32.52	C25	●
	120408	432	VF	●
	120408	432	HM	●
	120408	432	HR	●
CNMG	120408	432	B25	●
	120412	433	HR	●
	190612	643	B25	●
	190612	643	HR	●
DNMG	150608	442	HM	●
SNMG	120408	432	HM	●
	120408	432	B25	●
	190612	643	HR	●
TMMG	160408	332	HM	●
	160408	332	B25	●
	220408	432	B25	●
	220408	432	HM	●
WNMG	080408	432	VF	●
KNLX	160405	-	R11	●
SPS00				●
SPMR	120308	-	M	●
CCMT	09T308	32.52	C25	●

● Stock item ○ Under preparing for stock
Order-made items are available.



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