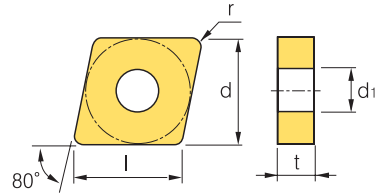


CNOO

Rhombic **80° Negative**



Workpiece	Machining types										
	Steel	Stainless steel	Cast iron	Non-ferrous metal	Heat resistant alloy, Titanium alloy	Hardened steel	●	●	●	●	●
Steel	P						●	●	●	●	●
Stainless steel	M						●	●	●	●	●
Cast iron	K						●	●	●	●	●
Non-ferrous metal	N						●	●	●	●	●
Heat resistant alloy, Titanium alloy	S						●	●	●	●	●
Hardened steel	H						●	●	●	●	●

Machining types

- Continuous cutting
- General cutting
- ⊕ Interrupted cutting

Inserts	Designation	Coated										Cermet	Coated	Uncoated	Dimensions (mm)					Cutting Condition		Available tool holders								
		NC3010	NC3120	NC3220	NC3300	NC500H	NC9020	NC5330	PC8110	PC5300	PC9030	NC6205	NC315K	CN1000	CN2000	CN20	CC105	CC115	U20	H01	G10	l	d	t	r	d ₁	f _n (mm/rev)	a _p (mm)	Designation	Page
 Roughing	120408-GR	●	●	●	●																	12.0	12.7	4.76	0.8	5.16	0.20~0.50	1.00~7.00	MCKNR/L	B106
	120412-GR	●	●	●																		11.6	12.7	4.76	1.2	5.16	0.25~0.50	1.30~7.00	MCKNR/L	B106
	120416-GR	●	●	●																		11.2	12.7	4.76	1.6	5.16	0.25~0.60	1.80~6.00	MCKNR/L	B106
	160608-GR			●	●																	15.3	15.875	6.35	0.8	6.35	0.20~0.70	1.00~8.00	MCKNR/L	B107
	160612-GR	●	●	●																		14.8	15.875	6.35	1.2	6.35	0.25~0.70	1.30~8.00	PCBNR/L	B94
	160616-GR			●	●																	14.4	15.875	6.35	1.6	6.35	0.25~0.75	1.80~8.00	PCLNR/L	B95
	190608-GR		●	●																		18.5	19.05	6.35	0.8	7.93	0.20~0.70	1.70~10.00		
	190612-GR	●	●	●																		18.1	19.05	6.35	1.2	7.93	0.30~0.75	1.70~10.00		
	190616-GR	●	●	●																		17.7	19.05	6.35	1.6	7.93	0.30~0.80	1.80~10.00		
	190624-GR																					16.8	19.05	6.35	2.4	7.93	0.35~0.85	2.00~12.00		
250724-GR																					23.3	25.4	7.94	2.4	9.12	0.40~1.00	2.30~15.00			
250924-GR		●																			23.3	25.4	9.52	2.4	9.12	0.40~1.00	2.30~15.00			
 Medium Roughing	120404-GS					●	●	●	●												12.4	12.7	4.76	0.4	5.16	0.05~0.25	0.10~3.00	MCKNR/L	B106	
	120408-GS		●			●	●	●	●												12.0	12.7	4.76	0.8	5.16	0.10~0.50	1.00~5.00	MCKNR/L	B106	
	120412-GS					●	●	●	●												11.6	12.7	4.76	1.2	5.16	0.13~0.65	1.00~5.00	MCKNR/L	B106	
	160608-GS																				15.3	15.875	6.35	0.8	6.35	0.10~0.50	1.00~6.50	MCKNR/L	B107	
	160612-GS																				14.8	15.875	6.35	1.2	6.35	0.13~0.65	1.00~6.50	PCBNR/L	B94	
	190612-GS						●		●												18.1	19.05	6.35	1.2	7.93	0.13~0.65	1.00~7.80	PCLNR/L	B95	
190616-GS								●												17.7	19.05	6.35	1.6	7.93	0.13~0.65	1.00~7.80				
 Medium to finishing	120404-HA					●	●	●	●										●	12.4	12.7	4.76	0.4	5.16	0.05~0.20	0.80~3.50	MCKNR/L	B106		
	120408-HA					●	●	●	●										●	12.0	12.7	4.76	0.8	5.16	0.10~0.40	0.80~3.50	MCKNR/L	B106		
	120412-HA								●											11.6	12.7	4.76	1.2	5.16	0.13~0.55	0.80~3.50	MCKNR/L	B106		
 Medium to finishing	120404-HC	●		●																12.4	12.7	4.76	0.4	5.16	0.05~0.30	0.80~3.50	MCKNR/L	B106		
	120408-HC	●	●	●																12.0	12.7	4.76	0.8	5.16	0.08~0.40	0.80~4.00	MCKNR/L	B106		
	120412-HC								●											11.6	12.7	4.76	1.2	5.16	0.17~0.50	1.00~4.00	MCKNR/L	B106		
																												MCKNR/L	B107	
 Roughing	120404-HR																			12.4	12.7	4.76	0.4	5.16	0.15~0.30	0.80~6.00	MCKNR/L	B106		
	120408-HR	●		●																12.0	12.7	4.76	0.8	5.16	0.20~0.50	1.00~7.00	MCKNR/L	B106		
	120412-HR	●		●																11.6	12.7	4.76	1.2	5.16	0.25~0.70	1.30~7.00	MCKNR/L	B106		
	120416-HR																			11.2	12.7	4.76	1.6	5.16	0.32~0.75	1.80~7.00	MCKNR/L	B107		
	160608-HR																			15.3	15.875	6.35	0.8	6.35	0.20~0.50	1.00~8.00	MCKNR/L	B107		
	160612-HR	●	●	●																14.8	15.875	6.35	1.2	6.35	0.25~0.70	1.30~8.00	PCBNR/L	B94		
	160616-HR	●																		14.4	15.875	6.35	1.6	6.35	0.30~0.80	1.80~8.00	PCLNR/L	B95		
	160624-HR																			13.6	15.875	6.35	2.4	6.35	0.32~0.90	2.30~10.00				
	190608-HR																			18.5	19.05	6.35	0.8	7.93	0.20~0.50	1.70~10.00				
	190612-HR				●	●						●								18.1	19.05	6.35	1.2	7.93	0.25~0.70	1.30~10.00				
	190616-HR		●	●																17.7	19.05	6.35	1.6	7.93	0.30~0.80	1.80~10.00				
190624-HR																			16.8	19.05	6.35	2.4	7.93	0.32~0.90	2.30~10.00					
250924-HR																				23.3	25.4	9.52	2.4	9.12	0.40~1.00	2.30~10.00				