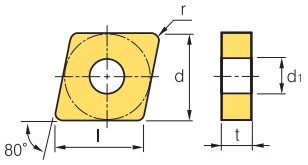
CN○○

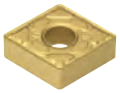
Rhombic 80° Negative



Dimensions (mm)			
Size	d	t	d_1
09	9.525	3.18	3.81
12	12.7	4.76	5.16
16	15.875	6.35	6.35

Workpiece																							
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		Cermet CN1500	Cermet CN2500	Coated CC1500	Coated CC2500	Coated NC3215P	Coated NC3225P	Coated NC3215	Coated NC3225	Coated NC3120	Coated NC3030	Coated NC3235	Coated NC5330	Coated NC6310	Coated NC6315	Coated NC9115	Coated NC9125	Coated NC9135	Coated PC8105	Coated PC8110	Coated PC8115	Coated PC9030	Uncoated H01	Uncoated H05	Cutting Condition fn (mm/rev)	Cutting Condition ap (mm)
Finishing	VB	CNMG	120404-VB	●	●	●	●			●	●				●												0.15~0.35	0.30~2.00
			120408-VB	●	●	●	●			●	●				●												0.15~0.45	0.50~2.00
			120412-VB							●	●				●												0.20~0.50	0.50~2.00
Finishing	VF 	CNMG	090304-VF								●	●															0.07~0.30	0.50~1.50
			090308-VF																								0.10~0.30	0.50~1.50
			120404-VF									●			●												0.07~0.30	0.50~1.50
			120408-VF												●												0.10~0.40	0.50~1.50
			120412-VF																								0.10~0.50	0.60~1.50
Finishing	VL	CNMG	120404-VL	●	●										●												0.05~0.25	0.10~1.00
			120408-VL	●	●					●	●				●												0.10~0.35	0.20~1.50
			120412-VL							●																	0.10~0.35	0.20~1.50
Medium to finishing	LP new	CNMG	090304-LP																								0.07~0.30	0.30~1.50
			090308-LP							●	●																0.10~0.30	0.30~1.50
			120404-LP							●	●				●												0.10~0.35	0.30~2.00
			120408-LP							●	●				●												0.10~0.40	0.50~2.50
			120412-LP							●	●				●												0.13~0.45	0.80~3.00
Medium to finishing	CP new	CNMG	090304-CP																								0.08~0.30	0.40~3.00
			090308-CP																								0.10~0.30	0.40~3.00
			090404-CP																								0.08~0.30	0.40~3.00
			090408-CP																								0.10~0.30	0.40~3.00
			120404-CP					●	●																		0.10~0.35	0.50~3.50
			120408-CP					●	●																		0.12~0.35	0.50~3.50
			120412-CP					●	●																		0.13~0.35	0.80~3.50
			160608-CP					●	●																		0.15~0.40	0.80~4.50
			160612-CP					●	●																		0.18~0.40	1.00~4.50
Medium to finishing	VC	CNMG	120404-VC							●	●				●												0.10~0.35	0.30~2.00
			120408-VC							●	●				●												0.15~0.40	0.50~3.00
			120412-VC							●	●																0.15~0.45	0.50~3.00

Cutting edge geometry A52~A61 Recommended chip breaker B04~B14 Code system B34~B35

● : Stock item

Available tool holders			
Designation	Page	Designation	Page
MCKNR/L	B183	MCRNR/L	B184
MCLNR/L	B183	PCBNR/L	B172
MCMNN	B183	PCLNR/L	B173