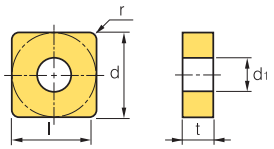
SN○○

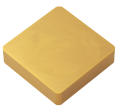
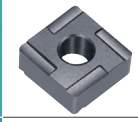
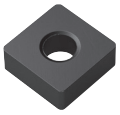
Square 90° Negative



Dimensions (mm)			
Size	d	t	d_1
09	9.525	3.18	3.81
12	12.7	3.18~4.76	5.16
15	15.875	4.76~6.35	6.35
19	19.05	4.76~6.35	7.93
25	25.4	6.35~9.52	9.12

Workpiece			CN1500	CN2000	CN2500	CC1500	CC2500	NC3215	NC3120	NC3225	NC3030	NC5330	NC6310	NC6315	NC9115	NC9125	NC9135	PC5300	PC5400	PC8105	PC8110	PC8115	PC9030	H01	H05
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			Coated		Coated																Uncoated		Cutting Condition	
			CN1500	CN2000	CN2500	CC1500	CC2500	NC3215	NC3120	NC3225	NC3030	NC5330	NC6310	NC6315	NC9115	NC9125	NC9135	PC5300	PC5400	PC8105	PC8110	PC8115	PC9030	H01	H05	fn (mm/rev)	ap (mm)
Roughing 	SNGN	090302																								0.05~0.30	0.50~4.00
		090304																								0.10~0.35	0.50~4.00
		090308																								0.10~0.40	1.00~4.00
		120304																								0.13~0.50	1.30~5.00
		120308																								0.15~0.60	1.50~6.00
		120312																								0.17~0.60	1.70~6.00
		120402																								0.10~0.45	1.00~5.00
		120404																								0.13~0.50	1.30~5.00
		120408																								0.15~0.60	1.50~6.00
		120412																								0.17~0.60	1.70~6.00
		120424																								0.20~0.65	2.00~6.00
		150402																								0.10~0.50	0.50~6.00
		150408																								0.15~0.60	1.50~8.00
		150412																								0.17~0.60	2.00~8.00
		150416																								0.20~0.65	2.50~8.50
		190402																								0.10~0.60	2.00~8.50
		190412																								0.17~0.70	2.50~10.00
		190416																								0.20~0.75	2.50~10.00
		250604																								0.30~0.80	3.00~12.00
		250616																								0.35~1.00	4.00~12.00
Medium cutting 	SNGX	120408R																								0.15~0.35	1.00~4.00
Roughing 	SNMA	090304																								0.10~0.45	0.50~4.50
		090308																								0.15~0.50	0.50~4.50
		090312																								0.20~0.50	0.50~4.50
		120402																								0.10~0.50	1.00~4.50
		120404																								0.15~0.60	1.00~5.00
		120408												●												0.15~0.70	1.00~6.00
		120412												●												0.20~0.80	1.50~6.00
		120416												●												0.30~1.00	2.00~6.00
		120430																								0.30~0.70	2.50~5.00
		150612																								0.20~0.80	2.00~8.00
		150616												●												0.25~0.85	2.50~10.00
		190608																								0.20~0.80	2.00~10.00
		190612												●												0.20~0.80	2.00~10.00
		190616											●	●												0.25~0.85	2.50~10.00
		190624																								0.35~0.90	3.00~10.00
		250724																								0.40~1.00	3.00~13.00
		250924																								0.40~1.00	3.00~13.00

Cutting edge geometry A52~A61 Recommended chip breaker B04~B11 Code system B26~B27

● : Stock item

Available tool holders					
Designation	Page	Designation	Page	Designation	Page
MSBNR/L	B173	MSRNR/L	B174	PSDNN	B163
MSDNN	B173	MSSNR/L	B175	PSKNR/L	B164, 199
MSKNR/L	B174	PSBNR/L	B163	PSSNR/L	B164