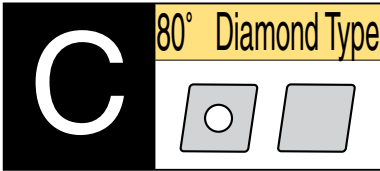


# SUMIBORON Indexable Inserts



Standard Cutting Edge Specification (Refer to L26 to L27 for details on symbols.)

	BNX10	BNX20	BNX25	BN1000 BN2000	BN250	BN350	BN2010 BN2020	BNC100 BNC160	BNC200 BNC300	BNC500	BN500	BN7000 BN700	BN7500	BNS800
Negative	T01225	S01225	S01725	S01225	S01225	T01225	S01225	S01225	S01225	S01215	T01215	T01215	T01215	T02020
Positive					S01235	T01235								

Legend: Continuous Cut ● : 1st Choice ○ : 2nd Choice Medium Cut ● : 1st Choice ○ : 2nd Choice Interrupted Cut ★ : 1st Choice ☆ : 2nd Choice

**CN 1204** ●●●●

Applicable holder ref. page, (Example)

Applicable External Holders **IE C7, 8**

Applicable Internal Holders **IE E45 to E47**

I.C.:  $\phi 12.7$  Thickness: 4.76 Hole:  $\phi 5.16$

●▲=1 piece pack and 10 pieces pack both Stocked ●▲=1 piece pack Stocked

Recommended Application	CBN													
	BNX10	BNX20	BNX25*	BN1000	BN2000	BN250	BN350	BN500	BN7000	BN700	BN7500	BN7500	BN7500	BNS800
K cast iron														
S exotic alloy														
H hardened steel	○	○	○	○	○	○	○	○	○	○	○	○	○	○
silenced component														

## ● One-use Type/Negative (With Hole)

Appearance	Cutting edge specification	Cat. No.	Old Cat. No.	Pcs./Pack	No. of Cutting Edges	Dimensions (mm)	CBN																		
						Nose Radius	Cutting Edge Length	BNX10	BNX20	BNX25*	BN1000	BN2000	BN250	BN350	BN500	BN7000	BN700	BN7500	BNS800						
								0.2 2.5	0.4 2.5	0.8 2.4	1.2 2.3	0.2 2.5	0.4 2.5	0.8 2.4	1.2 2.3	0.4 2.5	0.8 2.4	1.2 2.3	0.4 2.5	0.8 2.4	1.2 2.3	0.4 2.5	0.8 2.4	1.2 2.3	0.4 2.5
	Standard	<b>NU-CNMA 120402</b> 120404 120408 120412	—	1	1	0.2 2.5	0.4 2.5	●	●	—	●	●	▲	●	●	●	●	—	—						
						0.4 2.5	0.8 2.4	●	●	—	●	●	▲	●	●	●	●	●	●	●	—	—			
						0.8 2.4	1.2 2.3	●	●	—	●	●	▲	●	●	●	●	●	●	●	●	●	—	—	
						1.2 2.3	—	●	●	—	●	●	—	●	●	—	●	●	●	●	●	●	—	—	
	Standard	<b>T-NU-CNMA 120402</b> 120404 120408 120412	—	10	1	0.2 2.5	0.4 2.5	●	●	—	●	●	▲	●	●	●	●	—	—						
						0.4 2.5	0.8 2.4	●	●	—	●	●	▲	●	●	●	●	●	●	●	●	—	—		
						0.8 2.4	1.2 2.3	●	●	—	●	●	▲	●	●	●	●	●	●	●	●	●	—	—	
						1.2 2.3	—	●	●	—	●	●	—	●	●	—	●	●	●	●	●	●	—	—	
	Standard	<b>NS-CNMA 120404</b> 120408 120412	—	1	1	0.4 2.5	0.8 2.4	—	●	—	—	—	—	—	—	—	—	—	—						
						0.8 2.4	1.2 2.3	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
						1.2 2.3	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
						—	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Standard	<b>T-NS-CNMA 120404</b> 120408 120412	—	10	1	0.4 2.5	0.8 2.4	—	●	—	—	—	—	—	—	—	—	—	—						
						0.8 2.4	1.2 2.3	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
						1.2 2.3	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
						—	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

\*Depth-of-cut for one-use type is 0.5mm or less

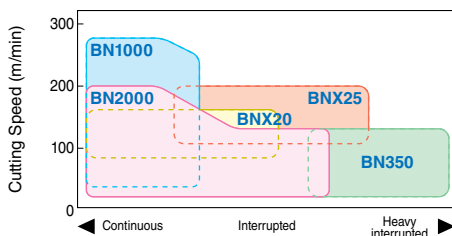
## ● Multi-cornered, One-use Type/Negative (With Hole)

Appearance	Cutting edge specification	Cat. No.	Old Cat. No.	Pcs./Pack	No. of Cutting Edges	Dimensions (mm)	CBN																		
						Nose Radius	Cutting Edge Length	BNX10	BNX20	BNX25*	BN1000	BN2000	BN250	BN350	BN500	BN7000	BN700	BN7500	BNS800						
								0.4 2.5	0.8 2.4	1.2 2.3	0.4 2.5	0.8 2.4	1.2 2.3	0.4 2.5	0.8 2.4	1.2 2.3	0.4 2.5	0.8 2.4	1.2 2.3	0.4 2.5	0.8 2.4	1.2 2.3	0.4 2.5	0.8 2.4	1.2 2.3
	Standard	<b>2NU-CNGA 120404</b> 120408 120412	—	1	2	0.4 2.5	0.8 2.4	●	—	●	●	▲	●	●	●	●	●	—	—						
						0.8 2.4	1.2 2.3	●	—	●	●	▲	●	●	●	●	●	●	●	●	—	—			
						1.2 2.3	—	●	—	●	●	—	●	●	—	●	●	●	●	●	●	●	—	—	
						—	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Standard	<b>T-2NU-CNGA 120404</b> 120408 120412	—	10	2	0.4 2.5	0.8 2.4	●	—	—	●	▲	●	—	—	—	—	—							
						0.8 2.4	1.2 2.3	●	—	—	●	▲	●	—	—	—	—	—	—	—	—	—	—		
						1.2 2.3	—	●	—	—	●	▲	●	—	—	—	—	—	—	—	—	—	—	—	
						—	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
	Standard	<b>2NS-CNGA 120404</b> 120408 120412	—	1	2	0.4 2.5	0.8 2.4	—	●	—	—	—	—	—	—	—	—	—	—						
						0.8 2.4	1.2 2.3	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
						1.2 2.3	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
						—	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
	Standard	<b>T-2NS-CNGA 120404</b> 120408 120412	—	10	2	0.4 2.5	0.8 2.4	—	●	—	—	—	—	—	—	—	—	—	—						
						0.8 2.4	1.2 2.3	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	
						1.2 2.3	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—
						—	—	—	●	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—	—

\*For BNX25, use 2NS type code (2NS-CNGA) \*Depth-of-cut for one-use type is 0.5mm or less

## SUMIBORON Application Range Map

### (A) Uncoated SUMIBORON



### (B) Coated SUMIBORON

