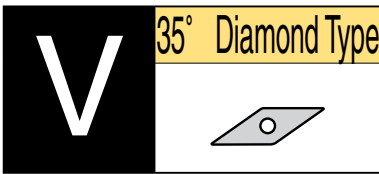


SUMIBORON Indexable Inserts



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

VN 1604 ●●●●

Applicable holder ref. page, (Example)

Applicable External Holders **C26**

I.C.: ø9.525 Thickness: 4.76 Hole: ø3.81

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

| Recommended Application | BNX10 | BNX20 | BNX25 | BN1000 | BN2000 | BN250 | BN350 | BN500 | BN7000 | BN700 | BN7500 | BN7500 | BNS800 |
|-------------------------|-------|-------|-------|--------|--------|-------|-------|-------|--------|-------|--------|--------|--------|
| K cast iron | | | | | | | | | ○ | ● | ● | ● | ● |
| S exotic alloy | | | | | | | | | | ● | ● | ● | ● |
| H hardened steel | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ | ○ |
| silicided component | | | | | | | | | | | | | |

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

| Appearance | Cutting edge specification | Cat. No. | Old Cat. No. | Pcs./Pack | No. of Cutting Edges | Nose Radius | Dimensions (mm) | BNX10 | BNX20 | BNX25 | BN1000 | BN2000 | BN250 | BN350 | BN500 | BN7000 | BN700 | BN7500 | BNS800 |
|------------------|--|---|-------------------------------|-----------|----------------------|-------------|-----------------|-------|-------|-------|--------|--------|-------|-------|-------|--------|-------|--------|--------|
| Break Master | S00535 | 2NU-VNGM 160404N-LV 160408N-LV | — | 1 | 2 | 0.4 0.8 | 2.8 2.0 | | | | | ● | | | | | | | |
| Fine Boring type | T01215 | 2NU-VNGA 160404LT 160408LT | — | 1 | 2 | 0.4 0.8 | 2.8 2.0 | | | | | ● | | | | | | | |
| Strong edge type | T01235 | 2NU-VNGA 160404HT 160408HT | 2NU-VNGA 160404T 160408T | 1 | 2 | 0.4 0.8 | 2.8 2.0 | | | | | | | ● | | | | | |
| Strong edge type | T01235 | T-2NU-VNGA 160404HT 160408HT | T-2NU-VNGA 160404T 160408T | 10 | 2 | 0.4 0.8 | 2.8 2.0 | | | | | | | | | | | | |
| Strong edge type | BN2000 → S01235 BN7000 → S01225 BN700 → S01225 | 2NU-VNGA 160404HS 160408HS | 2NU-VNGA 160404T 160408T | 1 | 2 | 0.4 0.8 | 2.8 2.0 | | | | | ● | | | | | | | |
| Strong edge type | BN7500 → S00525 | T-2NU-VNGA 160404HS 160408HS | T-2NU-VNGA 160404T 160408T | 10 | 2 | 0.4 0.8 | 2.8 2.0 | | | | | | | | | | | | |

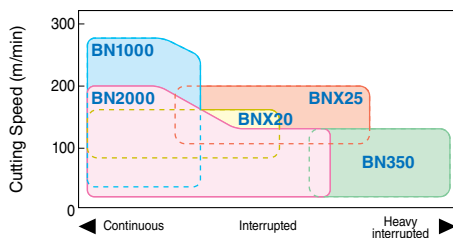
*Depth-of-cut for one-use type is 0.5mm or less

● Negative Type (With Hole)

| Appearance | Cutting edge specification | Cat. No. | Old Cat. No. | Pcs./Pack | No. of Cutting Edges | Nose Radius | Dimensions (mm) | BNX10 | BNX20 | BNX25 | BN1000 | BN2000 | BN250 | BN350 | BN500 | BN7000 | BN700 | BN7500 | BNS800 |
|------------|----------------------------|-------------------------------|--------------|-----------|----------------------|-------------|-----------------|-------|-------|-------|--------|--------|-------|-------|-------|--------|-------|--------|--------|
| Standard | Standard | VNMA 160404 160408 | — | 1 | 1 | 0.4 0.8 | 5.0 4.1 | ● | | | | ● | | | ▲ | | ▲ | ● | ● |

SUMIBORON Application Range Map

(A) Uncoated SUMIBORON



(B) Coated SUMIBORON

