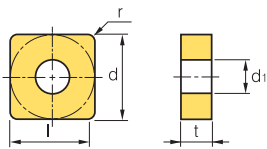


## Turning Insert (Negative)

SN ○○



| Dimensions (mm) |       |      |                |
|-----------------|-------|------|----------------|
| Size            | d     | t    | d <sub>1</sub> |
| 09              | 9.525 | 3.18 | 3.81           |
| 12              | 12.7  | 4.76 | 5.16           |

 Square **90° Negative**

[illegible]

| Inserts             |                                                                                           | Designation |           | Cermet |        | Coated |        | Coated  |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        | Uncoated |     | Cutting Condition |                |
|---------------------|-------------------------------------------------------------------------------------------|-------------|-----------|--------|--------|--------|--------|---------|---------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|--------|----------|-----|-------------------|----------------|
|                     |                                                                                           |             |           | CN1500 | CN2500 | CC1500 | CC2500 | NC3215P | NC3225P | NC3215 | NC3225 | NC3120 | NC3030 | NC3235 | NC5330 | NC6310 | NC6315 | NC9115 | NC9125 | NC9135 | PC8105 | PC8110 | PC8115 | PC9030   | H01 | H05               | fn<br>(mm/rev) |
| Finishing           | VB<br>   | SNMG        | 120404-VB | ●      |        | ●      | ●      |         |         | ●      | ●      |        |        |        |        |        |        |        |        |        |        |        |        |          |     | 0.15~0.35         | 0.30~2.00      |
|                     |                                                                                           |             | 120408-VB | ●      | ●      | ●      | ●      |         |         | ●      | ●      |        |        |        |        |        |        |        |        |        |        |        |        |          |     | 0.15~0.40         | 0.50~2.00      |
|                     |                                                                                           |             |           |        |        |        |        |         |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |     |                   |                |
| Finishing           | VF<br>   | SNMG        | 090304-VF |        |        |        |        |         |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |     | 0.07~0.30         | 0.50~1.50      |
|                     |                                                                                           |             | 090308-VF |        |        |        |        |         |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |     | 0.07~0.30         | 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 |        |        |        |        |         |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |     | 0.20~0.50         | 0.50~1.50      |
|                     |                                                                                           |             |           |        |        |        |        |         |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |     |                   |                |
| Finishing           | VL<br> | SNMG        | 120408-VL |        |        |        |        |         |         |        |        |        |        |        |        |        |        |        |        | ●      |        |        |        |          |     | 0.10~0.35         | 0.20~1.50      |
|                     |                                                                                           |             |           |        |        |        |        |         |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |     |                   |                |
| Medium to finishing | LP<br> | SNMG        | 090308-LP |        |        |        |        |         |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |     | 0.10~0.30         | 0.30~1.50      |
|                     |                                                                                           |             | 090408-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<br> | SNMG        | 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      |
|                     |                                                                                           |             |           |        |        |        |        |         |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |     |                   |                |
| Medium to finishing | VC<br> | SNMG        | 120408-VC |        |        |        |        |         |         | ●      |        |        | ●      |        |        |        |        |        |        |        |        |        |        |          |     | 0.15~0.40         | 0.50~3.50      |
|                     |                                                                                           |             |           |        |        |        |        |         |         |        |        |        |        |        |        |        |        |        |        |        |        |        |        |          |     |                   |                |

 Cutting edge geometry A52~A61

➡ Recommended chip breaker B04~B14

 Code system **B34~B35**

● : Stock item

| Available tool holders |      |             |      |             |      |
|------------------------|------|-------------|------|-------------|------|
| Designation            | Page | Designation | Page | Designation | Page |
| MBSNR/L                | B185 | MSRNR/L     | B186 | PSDNN       | B175 |
| MSDNN                  | B185 | MSSNR/L     | B187 | PSKNR/L     | B176 |
| MSKNR/L                | B186 | PSBNR/L     | B175 | PSSNR/L     | B177 |