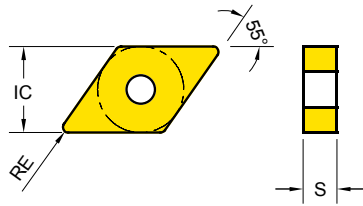


# Turning Inserts - Negative

## DNMA / DNMG (55° Rhombic)

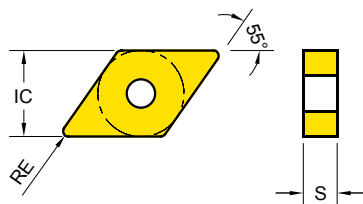


| Series    | IC     | S    |
|-----------|--------|------|
| DN** 1104 | 9.525  | 4.76 |
| DN** 1504 | 12.700 | 4.76 |
| DN** 1506 | 12.700 | 6.35 |

EDP 2200..

● : Stock item ○ : Order made item

| DNMA<br>DNMG                                                                                                                                | Designation      | RE  | Fn<br>(mm/rev.) | Ap<br>(mm) | K10    | P05<br>K20 | P10<br>K30 | P15    | P10    | P20    | P30    | P20    | M25    | M15   | M30   | M40<br>S30 | S10   | P15<br>M15<br>K15 | N20   | N20  |
|---------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----|-----------------|------------|--------|------------|------------|--------|--------|--------|--------|--------|--------|-------|-------|------------|-------|-------------------|-------|------|
|                                                                                                                                             |                  |     |                 |            | YG1010 | YG1001     | YG3010     | YG3015 | YG3115 | YG3020 | YG3030 | YG801  | YG2025 | YG211 | YG213 | YG214      | YG401 | YT100             | YG100 | YG10 |
| <b>..MA</b><br><br>Cast iron                               | DNMA 150404      | 0.4 | 0.10 ~ 0.50     | 0.5 ~ 5.0  | ● 1558 | ○ 1505     | ○ 1506     |        |        |        |        |        |        |       |       |            |       |                   |       |      |
|                                                                                                                                             | DNMA 150408      | 0.8 | 0.15 ~ 0.50     | 1.0 ~ 5.0  | ● 1559 | ○ 0573     | ○ 0574     |        |        |        |        |        |        |       |       |            |       |                   |       |      |
|                                                                                                                                             | DNMA 150412      | 1.2 | 0.15 ~ 0.50     | 1.5 ~ 5.0  | ● 1421 | ○ 0575     | ○ 0576     |        |        |        |        |        |        |       |       |            |       |                   |       |      |
|                                                                                                                                             | DNMA 150604      | 0.4 | 0.10 ~ 0.50     | 1.0 ~ 5.0  | ● 1581 | ○ 1445     | ○ 1447     |        |        |        |        |        |        |       |       |            |       |                   |       |      |
|                                                                                                                                             | DNMA 150608      | 0.8 | 0.15 ~ 0.50     | 1.0 ~ 5.0  | ● 1557 | ○ 0091     | ○ 1129     |        |        |        |        |        |        |       |       |            |       |                   |       |      |
|                                                                                                                                             | DNMA 150612      | 1.2 | 0.15 ~ 0.50     | 1.5 ~ 5.0  | ● 1422 | ○ 0092     | ○ 1130     |        |        |        |        |        |        |       |       |            |       |                   |       |      |
| <b>-UF</b><br><br>Finishing                              | DNMG 150404 - UF | 0.4 | 0.05 ~ 0.25     | 0.5 ~ 2.5  |        |            | ○ 0363     |        | ● 2220 | ● 0364 | ● 0365 | ○ 0016 |        |       |       |            |       |                   |       |      |
|                                                                                                                                             | DNMG 150408 - UF | 0.8 | 0.05 ~ 0.25     | 1.0 ~ 2.5  |        |            | ○ 0856     | ○ 1030 | ● 2221 | ● 0774 | ● 0857 |        |        |       |       |            |       |                   |       |      |
|                                                                                                                                             | DNMG 150412 - UF | 1.2 | 0.05 ~ 0.25     | 1.5 ~ 2.5  |        |            | ○ 1450     |        | ● 2584 | ● 1368 | ● 1383 |        |        |       |       |            |       |                   |       |      |
|                                                                                                                                             | DNMG 150604 - UF | 0.4 | 0.05 ~ 0.25     | 1.0 ~ 2.0  |        |            | ○ 0225     |        | ● 2398 | ● 0226 | ● 0227 | ○ 0018 |        |       |       |            |       |                   |       |      |
|                                                                                                                                             | DNMG 150608 - UF | 0.8 | 0.05 ~ 0.25     | 1.5 ~ 3.5  |        |            | ○ 0231     |        | ● 2419 | ● 0232 | ● 0233 |        |        |       |       |            |       |                   |       |      |
|                                                                                                                                             | DNMG 150612 - UF | 1.2 | 0.05 ~ 0.25     | 1.5 ~ 2.5  |        |            | ○ 1385     |        | ● 2610 | ● 1369 | ● 1386 |        |        |       |       |            |       |                   |       |      |
| <b>-UL</b><br><br>Light Machining<br>and Sticky Material | DNMG 110404 - UL | 0.4 | 0.10 ~ 0.3      | 0.5 ~ 2.5  |        |            | ○ 1239     |        | ● 2606 | ● 1240 | ● 1241 |        |        |       |       |            |       |                   |       |      |
|                                                                                                                                             | DNMG 110408 - UL | 0.8 | 0.10 ~ 0.3      | 1.0 ~ 2.5  |        |            | ○ 1242     |        | ● 2607 | ● 1243 | ● 1244 |        |        |       |       |            |       |                   |       |      |
|                                                                                                                                             | DNMG 150404 - UL | 0.4 | 0.10 ~ 0.3      | 0.5 ~ 3.0  |        |            | ○ 0686     |        | ● 2444 | ● 0687 | ● 0708 |        |        |       |       |            |       |                   |       |      |
|                                                                                                                                             | DNMG 150408 - UL | 0.8 | 0.10 ~ 0.3      | 1.0 ~ 3.0  |        |            | ○ 0489     | ○ 1028 | ● 2337 | ● 0504 | ● 0505 |        |        |       |       |            |       |                   |       |      |
|                                                                                                                                             | DNMG 150412 - UL | 1.2 | 0.10 ~ 0.3      | 1.5 ~ 3.0  |        |            | ○ 0709     | ○ 1029 | ● 2314 | ● 1108 | ● 1109 |        |        |       |       |            |       |                   |       |      |
|                                                                                                                                             | DNMG 150604 - UL | 0.4 | 0.10 ~ 0.3      | 0.5 ~ 3.0  |        |            | ○ 0369     |        | ● 2404 | ● 0370 | ● 1110 |        |        |       |       |            |       |                   |       |      |
|                                                                                                                                             | DNMG 150608 - UL | 0.8 | 0.10 ~ 0.3      | 1.5 ~ 3.0  |        |            | ○ 0237     |        | ● 2214 | ● 0238 | ● 0239 |        |        |       |       |            |       |                   |       |      |
|                                                                                                                                             | DNMG 150612 - UL | 1.2 | 0.10 ~ 0.3      | 1.5 ~ 3.0  |        |            | ○ 0246     |        | ● 2611 | ● 0247 | ● 0248 |        |        |       |       |            |       |                   |       |      |

Turning Inserts - Negative  
**DNMG (55° Rhombic)**


| Series    | IC     | S    |
|-----------|--------|------|
| DN** 1104 | 9.525  | 4.76 |
| DN** 1504 | 12.700 | 4.76 |
| DN** 1506 | 12.700 | 6.35 |

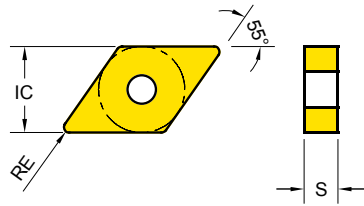
EDP 2200..

● : Stock item ○ : Order made item

| DNMG                                               | Designation      | RE  | Fn<br>(mm/rev.) | Ap<br>(mm) | K10       | P05       | P10       | P15       | P10 | P20       | P30       | P20       | M25       | M15 | M30 | M40 | S10 | P15 | M15 | N20 | N20 |
|----------------------------------------------------|------------------|-----|-----------------|------------|-----------|-----------|-----------|-----------|-----|-----------|-----------|-----------|-----------|-----|-----|-----|-----|-----|-----|-----|-----|
|                                                    |                  |     |                 |            | K20       | K30       |           |           |     |           |           |           |           |     |     | S30 | K15 |     |     |     |     |
| -UM<br><br>Medium Machining<br>Unstable condition  | DNMG 150404 - UM | 0.4 | 0.15 ~ 0.30     | 0.5 ~ 3.0  | ○<br>1672 | ○<br>1702 |           |           |     | ●<br>2608 | ●<br>1703 | ●<br>1707 |           |     |     |     |     |     |     |     |     |
|                                                    | DNMG 150408 - UM | 0.8 | 0.15 ~ 0.30     | 1.0 ~ 3.0  |           | ○<br>1106 | ○<br>0688 |           |     | ●<br>2360 | ●<br>0689 | ●<br>0701 |           |     |     |     |     |     |     |     |     |
|                                                    | DNMG 150412 - UM | 1.2 | 0.15 ~ 0.30     | 1.5 ~ 3.0  |           | ○<br>0604 | ○<br>0512 |           |     | ●<br>2203 | ●<br>0488 | ●<br>0705 |           |     |     |     |     |     |     |     |     |
|                                                    | DNMG 150604 - UM | 0.4 | 0.15 ~ 0.30     | 0.5 ~ 3.0  |           | ○<br>1408 | ○<br>1436 |           |     | ●<br>2609 | ●<br>1409 | ●<br>1425 |           |     |     |     |     |     |     |     |     |
|                                                    | DNMG 150608 - UM | 0.8 | 0.15 ~ 0.30     | 1.0 ~ 3.0  |           | ○<br>1128 | ○<br>0240 |           |     | ●<br>2201 | ●<br>0241 | ●<br>0242 |           |     |     |     |     |     |     |     |     |
|                                                    | DNMG 150612 - UM | 1.2 | 0.15 ~ 0.30     | 1.5 ~ 3.0  |           | ○<br>1149 | ○<br>1132 |           |     | ●<br>2612 | ●<br>0695 | ●<br>0706 |           |     |     |     |     |     |     |     |     |
| -UG<br><br>Medium Machining<br>at stable condition | DNMG 150404 - UG | 0.4 | 0.20 ~ 0.40     | 0.5 ~ 3.0  | ●<br>1618 | ○<br>1131 |           |           |     | ●<br>2443 | ●<br>0772 | ●<br>1137 |           |     |     |     |     |     |     |     |     |
|                                                    | DNMG 150408 - UG | 0.8 | 0.20 ~ 0.40     | 1.0 ~ 3.0  | ●<br>1608 | ○<br>0452 | ○<br>0366 |           |     | ●<br>2368 | ●<br>0367 | ●<br>0368 | ○<br>0017 |     |     |     |     |     |     |     |     |
|                                                    | DNMG 150412 - UG | 1.2 | 0.20 ~ 0.40     | 1.5 ~ 3.0  | ●<br>1514 | ○<br>0703 | ○<br>1107 |           |     | ●<br>2442 | ●<br>0487 | ●<br>0704 |           |     |     |     |     |     |     |     |     |
|                                                    | DNMG 150604 - UG | 0.4 | 0.20 ~ 0.40     | 0.5 ~ 3.0  | ●<br>1619 | ○<br>0228 |           |           |     | ●<br>2375 | ●<br>0229 | ●<br>0230 |           |     |     |     |     |     |     |     |     |
|                                                    | DNMG 150608 - UG | 0.8 | 0.20 ~ 0.40     | 1.0 ~ 3.0  | ●<br>1609 | ○<br>0453 | ○<br>0234 |           |     | ●<br>2212 | ●<br>0235 | ●<br>0236 | ○<br>0019 |     |     |     |     |     |     |     |     |
|                                                    | DNMG 150612 - UG | 1.2 | 0.20 ~ 0.40     | 1.5 ~ 3.0  | ●<br>1511 | ○<br>0454 | ○<br>0243 |           |     | ●<br>2356 | ●<br>0244 | ●<br>0245 |           |     |     |     |     |     |     |     |     |
| -UC<br><br>Cast iron and<br>Medium roughing        | DNMG 150408 - UC | 0.8 | 0.20 ~ 0.40     | 1.0 ~ 4.0  | ●<br>1611 | ○<br>0577 | ○<br>0578 | ○<br>1273 |     | ●<br>2388 | ●<br>1193 | ●<br>0700 |           |     |     |     |     |     |     |     |     |
|                                                    | DNMG 150412 - UC | 1.2 | 0.20 ~ 0.40     | 1.5 ~ 4.0  | ●<br>1512 | ○<br>0579 | ○<br>0580 |           |     | ●<br>2373 | ●<br>1168 | ●<br>0702 |           |     |     |     |     |     |     |     |     |
|                                                    | DNMG 150608 - UC | 0.8 | 0.20 ~ 0.40     | 1.0 ~ 4.0  | ●<br>0898 | ○<br>0090 | ○<br>0121 | ○<br>1272 |     | ●<br>2376 | ●<br>0104 | ●<br>0122 |           |     |     |     |     |     |     |     |     |
|                                                    | DNMG 150612 - UC | 1.2 | 0.20 ~ 0.40     | 1.5 ~ 4.0  | ●<br>1509 | ○<br>0098 | ○<br>0123 |           |     | ●<br>2410 | ●<br>0105 | ●<br>0124 |           |     |     |     |     |     |     |     |     |
| -UR<br><br>Roughing                                | DNMG 150408 - UR | 0.8 | 0.30 ~ 0.50     | 1.0 ~ 5.0  | ●<br>1621 | ○<br>1095 | ○<br>0585 |           |     | ●<br>2446 | ●<br>1096 | ●<br>1097 |           |     |     |     |     |     |     |     |     |
|                                                    | DNMG 150412 - UR | 1.2 | 0.30 ~ 0.50     | 1.5 ~ 5.0  | ●<br>1513 | ○<br>1127 | ○<br>0581 |           |     | ●<br>2400 | ●<br>1134 | ●<br>1101 |           |     |     |     |     |     |     |     |     |
|                                                    | DNMG 150608 - UR | 0.8 | 0.30 ~ 0.50     | 1.0 ~ 5.0  | ●<br>1622 | ○<br>0691 | ○<br>0692 |           |     | ●<br>2447 | ●<br>0693 | ●<br>0854 |           |     |     |     |     |     |     |     |     |
|                                                    | DNMG 150612 - UR | 1.2 | 0.30 ~ 0.50     | 1.5 ~ 5.0  | ●<br>1510 | ○<br>1258 | ○<br>0371 |           |     | ●<br>2416 | ●<br>0372 | ●<br>0373 | ○<br>0020 |     |     |     |     |     |     |     |     |

# Turning Inserts - Negative

## DNMG (55° Rhombic)



| Series    | IC     | S    |
|-----------|--------|------|
| DN** 1104 | 9.525  | 4.76 |
| DN** 1504 | 12.700 | 4.76 |
| DN** 1506 | 12.700 | 6.35 |

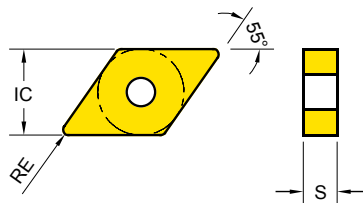
EDP 2200..

● : Stock item ○ : Order made item

| DNMG |                                                                                                                    | Designation      | RE  | F <sub>n</sub><br>(mm/rev.) | A <sub>p</sub><br>(mm) | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020    | YG3030    | YG801     | YG2025    | YG211     | YG213     | YG214     | YG401     | YT100     | YG100 | YG10 |
|------|--------------------------------------------------------------------------------------------------------------------|------------------|-----|-----------------------------|------------------------|--------|--------|--------|--------|--------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-------|------|
| -MF  | <br>Stainless steel<br>Finishing  | DNMG 150404 - MF | 0.4 | 0.07 ~ 0.30                 | 0.2 ~ 1.5              |        |        |        |        |        |           |           |           | ●<br>2454 | ●<br>0848 | ●<br>0771 | ●<br>1815 | ○<br>2273 |           |       |      |
|      |                                                                                                                    | DNMG 150408 - MF | 0.8 | 0.07 ~ 0.30                 | 0.2 ~ 1.5              |        |        |        |        |        |           | ○<br>0807 |           | ●<br>2456 | ●<br>0849 | ●<br>0773 | ●<br>1816 | ○<br>2274 |           |       |      |
|      |                                                                                                                    | DNMG 150604 - MF | 0.4 | 0.07 ~ 0.30                 | 0.2 ~ 1.5              |        |        |        |        |        |           |           |           | ●<br>2455 | ●<br>0811 | ●<br>0850 | ●<br>1819 | ○<br>1945 |           |       |      |
|      |                                                                                                                    | DNMG 150608 - MF | 0.8 | 0.07 ~ 0.30                 | 0.2 ~ 1.5              |        |        |        |        |        | ○<br>1202 | ○<br>0813 |           | ●<br>2457 | ●<br>0812 | ●<br>0859 | ●<br>1820 | ○<br>2275 |           |       |      |
| -MM  | <br>Stainless steel<br>Medium    | DNMG 150404 - MM | 0.4 | 0.20 ~ 0.35                 | 0.5 ~ 3.5              |        |        |        |        |        |           | ○<br>0527 |           | ●<br>0551 | ●<br>0552 | ●<br>1710 | ○<br>2289 |           |           |       |      |
|      |                                                                                                                    | DNMG 150408 - MM | 0.8 | 0.20 ~ 0.35                 | 1.0 ~ 3.5              |        |        |        |        |        |           | ○<br>0506 |           | ●<br>0513 | ●<br>0514 | ●<br>1788 | ○<br>2290 |           |           |       |      |
|      |                                                                                                                    | DNMG 150412 - MM | 1.2 | 0.20 ~ 0.35                 | 1.5 ~ 3.5              |        |        |        |        |        |           | ○<br>0529 |           | ●<br>0561 | ●<br>0562 | ●<br>1711 | ○<br>2291 |           |           |       |      |
|      |                                                                                                                    | DNMG 150604 - MM | 0.4 | 0.20 ~ 0.35                 | 0.5 ~ 3.5              |        |        |        |        |        |           | ○<br>0528 |           | ●<br>0553 | ●<br>0554 | ●<br>1712 | ○<br>2292 |           |           |       |      |
|      |                                                                                                                    | DNMG 150608 - MM | 0.8 | 0.20 ~ 0.35                 | 1.0 ~ 3.5              |        |        |        |        |        |           | ○<br>0507 |           | ●<br>0515 | ●<br>0516 | ●<br>0690 | ○<br>2293 |           |           |       |      |
|      |                                                                                                                    | DNMG 150612 - MM | 1.2 | 0.20 ~ 0.35                 | 1.5 ~ 3.5              |        |        |        |        |        |           | ○<br>0496 |           | ●<br>0563 | ●<br>0564 | ●<br>0694 | ○<br>2294 |           |           |       |      |
| -MG  | <br>Stainless steel<br>General  | DNMG 150404 - MG | 0.4 | 0.20 ~ 0.40                 | 0.5 ~ 4.0              |        |        |        |        |        |           |           |           | ●<br>2466 |           |           |           |           |           |       |      |
|      |                                                                                                                    | DNMG 150408 - MG | 0.8 | 0.20 ~ 0.40                 | 1.0 ~ 4.0              |        |        |        |        |        |           |           |           |           | ●<br>2470 | ●<br>1561 | ●<br>1562 | ●<br>1563 | ●<br>1560 |       |      |
|      |                                                                                                                    | DNMG 150412 - MG | 1.2 | 0.20 ~ 0.40                 | 1.5 ~ 4.0              |        |        |        |        |        |           |           |           |           | ●<br>2483 |           |           |           |           |       |      |
|      |                                                                                                                    | DNMG 150604 - MG | 0.4 | 0.20 ~ 0.40                 | 0.5 ~ 4.0              |        |        |        |        |        |           |           |           |           | ●<br>2467 |           |           |           |           |       |      |
|      |                                                                                                                    | DNMG 150608 - MG | 0.8 | 0.20 ~ 0.40                 | 1.0 ~ 4.0              |        |        |        |        |        |           |           |           |           | ●<br>2471 | ●<br>1565 | ●<br>1566 | ●<br>1567 | ●<br>1564 |       |      |
|      |                                                                                                                    | DNMG 150612 - MG | 1.2 | 0.20 ~ 0.40                 | 1.5 ~ 4.0              |        |        |        |        |        |           |           |           |           | ●<br>2484 |           |           |           |           |       |      |
| -MR  | <br>Stainless steel<br>Roughing | DNMG 150408 - MR | 0.8 | 0.30 ~ 0.55                 | 2.0 ~ 5.5              |        |        |        |        |        |           | ○<br>1036 |           | ●<br>2492 | ●<br>0914 | ●<br>0808 | ●<br>0809 |           |           |       |      |
|      |                                                                                                                    | DNMG 150412 - MR | 1.2 | 0.30 ~ 0.55                 | 2.0 ~ 5.5              |        |        |        |        |        |           |           |           |           |           | ●<br>0929 | ●<br>0930 | ●<br>0810 |           |       |      |
|      |                                                                                                                    | DNMG 150608 - MR | 0.8 | 0.30 ~ 0.55                 | 2.0 ~ 5.5              |        |        |        |        |        |           |           | ○<br>1037 |           | ●<br>2481 | ●<br>0860 | ●<br>0814 | ●<br>0815 |           |       |      |
|      |                                                                                                                    | DNMG 150612 - MR | 1.2 | 0.30 ~ 0.55                 | 2.0 ~ 5.5              |        |        |        |        |        |           |           |           |           |           | ●<br>0861 | ●<br>0862 | ●<br>0816 |           |       |      |

## Turning Inserts - Negative

## DNGG / DNMG (55° Rhombic)



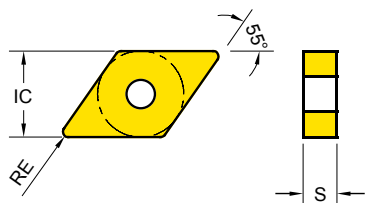
| Series    | IC     | S    |
|-----------|--------|------|
| DN** 1104 | 9.525  | 4.76 |
| DN** 1504 | 12.700 | 4.76 |
| DN** 1506 | 12.700 | 6.35 |

EDP 2200..

● : Stock item ○ : Order made item

|           |                                                                                                         |                   |     |             |           | DNGG DNMG |        |        |        |        |        |        |       |        |       |       |       |       |       |       |      |     |  |
|-----------|---------------------------------------------------------------------------------------------------------|-------------------|-----|-------------|-----------|-----------|--------|--------|--------|--------|--------|--------|-------|--------|-------|-------|-------|-------|-------|-------|------|-----|--|
|           |                                                                                                         |                   |     |             |           | K10       | P05    | P10    | P15    | P10    | P20    | P30    | P20   | M25    | M15   | M30   | M40   | S10   | P15   | M15   | N20  | N20 |  |
|           |                                                                                                         |                   |     |             |           | K20       | K30    |        |        |        |        |        |       |        |       |       | S30   |       | K15   |       |      |     |  |
| DNGG DNMG |                                                                                                         |                   |     |             |           | YG1010    | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |     |  |
| -SF       | <br>HRSA Finishing     | DNGG 150404 - SF  | 0.4 | 0.10 ~ 0.25 | 0.2 ~ 1.0 |           |        |        |        |        |        |        |       |        |       |       |       | ●     |       |       |      |     |  |
|           |                                                                                                         | DNGG 150408 - SF  | 0.8 | 0.10 ~ 0.25 | 0.2 ~ 1.0 |           |        |        |        |        |        |        |       |        |       |       |       |       | ●     |       |      |     |  |
|           |                                                                                                         | DNGG 150604 - SF  | 0.4 | 0.10 ~ 0.25 | 0.2 ~ 1.0 |           |        |        |        |        |        |        |       |        |       |       |       |       | ●     |       |      |     |  |
|           |                                                                                                         | DNGG 150608 - SF  | 0.8 | 0.10 ~ 0.25 | 0.2 ~ 1.0 |           |        |        |        |        |        |        |       |        |       |       |       |       | ●     |       |      |     |  |
|           |                                                                                                         |                   |     |             |           |           |        |        |        |        |        |        |       |        |       |       | 1295  |       |       |       |      |     |  |
|           |                                                                                                         |                   |     |             |           |           |        |        |        |        |        |        |       |        |       |       |       | 1293  |       |       |      |     |  |
|           |                                                                                                         |                   |     |             |           |           |        |        |        |        |        |        |       |        |       |       |       | 1296  |       |       |      |     |  |
|           |                                                                                                         |                   |     |             |           |           |        |        |        |        |        |        |       |        |       |       |       | 1294  |       |       |      |     |  |
| -SM       | <br>HRSA Medium        | DNMG 150408 - SM  | 0.8 | 0.15 ~ 0.30 | 0.5 ~ 3.0 |           |        |        |        |        |        |        |       |        |       | ○     | ○     | ○     | ●     |       |      |     |  |
|           |                                                                                                         | DNMG 150412 - SM  | 1.2 | 0.15 ~ 0.30 | 0.5 ~ 3.0 |           |        |        |        |        |        |        |       |        |       |       | ○     | ○     | ○     | ●     |      |     |  |
|           |                                                                                                         | DNMG 150608 - SM  | 0.8 | 0.15 ~ 0.30 | 0.5 ~ 3.0 |           |        |        |        |        |        |        |       |        |       |       | ○     | ○     | ○     | ●     |      |     |  |
|           |                                                                                                         | DNMG 150612 - SM  | 1.2 | 0.15 ~ 0.30 | 0.5 ~ 3.0 |           |        |        |        |        |        |        |       |        |       |       | ○     | ○     | ○     | ●     |      |     |  |
|           |                                                                                                         |                   |     |             |           |           |        |        |        |        |        |        |       |        |       |       | 1417  | 1412  | 1817  | 1300  |      |     |  |
|           |                                                                                                         |                   |     |             |           |           |        |        |        |        |        |        |       |        |       |       |       | 1419  | 1413  | 1818  | 1303 |     |  |
|           |                                                                                                         |                   |     |             |           |           |        |        |        |        |        |        |       |        |       |       |       | 1418  | 1414  | 1821  | 1301 |     |  |
|           |                                                                                                         |                   |     |             |           |           |        |        |        |        |        |        |       |        |       |       |       | 1420  | 1415  | 1822  | 1302 |     |  |
| -SR       | <br>HRSA Roughing    | DNMG 150408 - SR  | 0.8 | 0.30 ~ 0.55 | 2.0 ~ 5.5 |           |        |        |        |        |        |        |       |        |       |       |       | ●     |       |       |      |     |  |
|           |                                                                                                         | DNMG 150412 - SR  | 1.2 | 0.30 ~ 0.55 | 2.0 ~ 5.5 |           |        |        |        |        |        |        |       |        |       |       |       | ●     |       |       |      |     |  |
|           |                                                                                                         | DNMG 150608 - SR  | 0.8 | 0.30 ~ 0.55 | 2.0 ~ 5.5 |           |        |        |        |        |        |        |       |        |       |       |       | ●     |       |       |      |     |  |
|           |                                                                                                         | DNMG 150612 - SR  | 1.2 | 0.30 ~ 0.55 | 2.0 ~ 5.5 |           |        |        |        |        |        |        |       |        |       |       |       | ●     |       |       |      |     |  |
|           |                                                                                                         |                   |     |             |           |           |        |        |        |        |        |        |       |        |       |       | 1298  |       |       |       |      |     |  |
|           |                                                                                                         |                   |     |             |           |           |        |        |        |        |        |        |       |        |       |       |       | 1297  |       |       |      |     |  |
|           |                                                                                                         |                   |     |             |           |           |        |        |        |        |        |        |       |        |       |       |       | 1280  |       |       |      |     |  |
|           |                                                                                                         |                   |     |             |           |           |        |        |        |        |        |        |       |        |       |       |       | 1299  |       |       |      |     |  |
| -PSF      | <br>Cermet Finishing | DNMG 150404 - PSF | 0.4 | 0.07 ~ 0.30 | 0.4 ~ 3.0 |           |        |        |        |        |        |        |       |        |       |       |       |       | ●     |       |      |     |  |
|           |                                                                                                         | DNMG 150408 - PSF | 0.8 | 0.10 ~ 0.30 | 0.6 ~ 3.0 |           |        |        |        |        |        |        |       |        |       |       |       |       | ●     |       |      |     |  |
|           |                                                                                                         |                   |     |             |           |           |        |        |        |        |        |        |       |        |       |       |       |       | 2534  |       |      |     |  |

## Turning Inserts - Negative

**DNMM - Heavy Turning (55° Rhombic)**


| Series    | IC     | S    |
|-----------|--------|------|
| DN** 1104 | 9.525  | 4.76 |
| DN** 1504 | 12.700 | 4.76 |
| DN** 1506 | 12.700 | 6.35 |

EDP 2200..

● : Stock item ○ : Order made item

| DNMM                                                                                                                               | Designation      | RE  | Fn<br>(mm/rev.) | Ap<br>(mm) | K10    | P05<br>K20 | P10<br>K30 | P15    | P10    | P20       | P30       | P20   | M25    | M15   | M30   | M40<br>S30 | S10   | P15<br>M15<br>K15 | N20   | N20  |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|-----|-----------------|------------|--------|------------|------------|--------|--------|-----------|-----------|-------|--------|-------|-------|------------|-------|-------------------|-------|------|
|                                                                                                                                    |                  |     |                 |            | YG1010 | YG1001     | YG3010     | YG3015 | YG3115 | YG3020    | YG3030    | YG801 | YG2025 | YG211 | YG213 | YG214      | YG401 | YT100             | YG100 | YG10 |
| <b>NEW</b><br><b>-UH</b><br><br>Low cutting force | DNMM 150612 - UH | 1.2 | 0.30 ~ 0.50     | 2.0 ~ 7.0  |        |            |            |        |        | ●<br>2327 | ●<br>2328 |       |        |       |       |            |       |                   |       |      |
|                                                                                                                                    |                  |     |                 |            |        |            |            |        |        |           |           |       |        |       |       |            |       |                   |       |      |
|                                                                                                                                    |                  |     |                 |            |        |            |            |        |        |           |           |       |        |       |       |            |       |                   |       |      |
| <b>NEW</b><br><b>-UT</b><br><br>Heavy Roughing   | DNMM 150612 - UT | 1.2 | 0.30 ~ 0.50     | 2.0 ~ 7.0  |        |            |            |        |        | ●<br>2329 | ●<br>2330 |       |        |       |       |            |       |                   |       |      |
|                                                                                                                                    |                  |     |                 |            |        |            |            |        |        |           |           |       |        |       |       |            |       |                   |       |      |
|                                                                                                                                    |                  |     |                 |            |        |            |            |        |        |           |           |       |        |       |       |            |       |                   |       |      |

TURNING

PARTING &amp; GROOVING

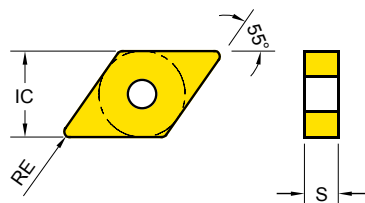
MILLING

DRILLING

TECHNICAL INFORMATION

## Turning Inserts - Negative

## DNUX (4 Corners 55° Rhombic)



| Series    | IC   | S    |
|-----------|------|------|
| DNUX 1504 | 12.7 | 4.76 |
| DNUX 1506 | 12.7 | 6.35 |

EDP 2200..

● : Stock item ○ : Order made item

|                                                                                                                                                                 |               |     |                 |            | ED1 2200.. |        |        |        |        |        |        |       |        |       |       |       |       |       |       |      |     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|-----|-----------------|------------|------------|--------|--------|--------|--------|--------|--------|-------|--------|-------|-------|-------|-------|-------|-------|------|-----|
|                                                                                                                                                                 |               |     |                 |            | K10        | P05    | P10    | P15    | P10    | P20    | P30    | P20   | M25    | M15   | M30   | M40   | S10   | P15   | M15   | N20  | N20 |
|                                                                                                                                                                 |               |     |                 |            | K20        | K30    |        |        |        |        |        |       |        |       |       | S30   | K15   |       |       |      |     |
| DNUX                                                                                                                                                            | Designation   | RE  | Fn<br>(mm/rev.) | Ap<br>(mm) | YG1010     | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |     |
| <div><div>NEW</div><div>..UX</div><div></div><div>Left Hand Shown</div></div>  | DNUX 150404 L | 0.4 | 0.10 ~ 0.35     | 0.7 ~ 4.0  |            |        | ○      |        | ●      | ●      | ●      |       |        |       |       |       |       |       |       |      |     |
|                                                                                                                                                                 | DNUX 150408 L | 0.8 | 0.10 ~ 0.35     | 1.0 ~ 4.0  |            |        | ○      |        | ●      | ●      | ●      |       |        |       |       |       |       |       |       |      |     |
|                                                                                                                                                                 | DNUX 150604 L | 0.4 | 0.10 ~ 0.35     | 0.7 ~ 4.0  |            |        | ○      |        | ●      | ●      | ●      |       |        |       |       | ●     | ●     |       |       |      |     |
|                                                                                                                                                                 | DNUX 150608 L | 0.8 | 0.10 ~ 0.35     | 1.0 ~ 4.0  |            |        | ○      |        | ●      | ●      | ●      |       |        |       |       | 1327  | 1321  |       |       |      |     |
| <div><div>NEW</div><div>..UX</div><div></div><div>Right Hand Shown</div></div> | DNUX 150404 R | 0.4 | 0.10 ~ 0.35     | 0.7 ~ 4.0  |            |        | ○      |        | ●      | ●      | ●      |       |        |       |       |       |       |       |       |      |     |
|                                                                                                                                                                 | DNUX 150408 R | 0.8 | 0.10 ~ 0.35     | 1.0 ~ 4.0  |            |        | ○      |        | ●      | ●      | ●      |       |        |       |       |       |       |       |       |      |     |
|                                                                                                                                                                 | DNUX 150604 R | 0.4 | 0.10 ~ 0.35     | 0.7 ~ 4.0  |            |        | ○      |        | ●      | ●      | ●      |       |        |       |       |       |       | ●     |       |      |     |
|                                                                                                                                                                 | DNUX 150608 R | 0.8 | 0.10 ~ 0.35     | 1.0 ~ 4.0  |            |        | ○      |        | ●      | ●      | ●      |       |        |       |       | 1948  | 1547  | 1574  |       |      |     |