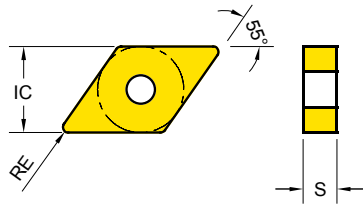


# Turning Inserts - Negative

## DNMA / DNMG (55° Rhombic)

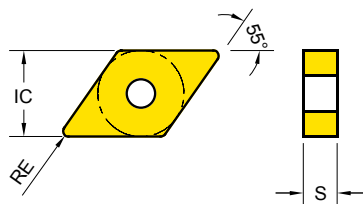


| Series    | IC     | S    |
|-----------|--------|------|
| DN** 1104 | 9.525  | 4.76 |
| DN** 1504 | 12.700 | 4.76 |
| DN** 1506 | 12.700 | 6.35 |

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)**


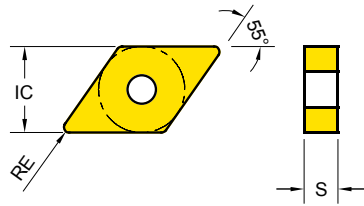
| Series    | IC     | S    |
|-----------|--------|------|
| DN** 1104 | 9.525  | 4.76 |
| DN** 1504 | 12.700 | 4.76 |
| DN** 1506 | 12.700 | 6.35 |

EDP 2200..

● : Stock item ○ : Order made item

|                                                                                                                                                                   |                  |     |                 |            | Insert Selection |           |           |           |           |           |           |           |        |       |       |       |       |       |       |      |     |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-----|-----------------|------------|------------------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|--------|-------|-------|-------|-------|-------|-------|------|-----|
|                                                                                                                                                                   |                  |     |                 |            | K10              | P05       | P10       | P15       | P10       | P20       | P30       | P20       | M25    | M15   | M30   | M40   | S10   | P15   | M15   | N20  | N20 |
|                                                                                                                                                                   |                  |     |                 |            | K20              | K30       |           |           |           |           |           |           |        |       | S30   |       | K15   |       |       |      |     |
| DNMG                                                                                                                                                              | 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> <div>-UM</div> <div>Medium Machining<br/>Unstable condition</div>    | 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 |           |        |       |       |       |       |       |       |      |     |
| <div></div> <div>-UG</div> <div>Medium Machining<br/>at stable condition</div> | 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 |           |        |       |       |       |       |       |       |      |     |
| <div></div> <div>-UC</div> <div>Cast iron and<br/>Medium roughing</div>        | 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 |           |        |       |       |       |       |       |       |      |     |
| <div></div> <div>-UR</div> <div>Roughing</div>                                 | 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 |

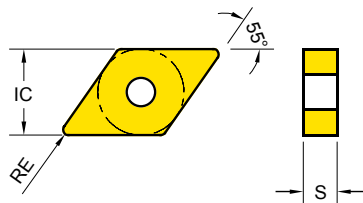
EDP 2200..

● : 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              |        |        |        |        |        |        |        |       | ●      | ●     | ●     | ●     | ○     |       |       |      |  |
|      |                                                                                                                    | DNMG 150408 - MF | 0.8 | 0.07 ~ 0.30                 | 0.2 ~ 1.5              |        |        |        |        |        |        | ○      |       | ●      | ●     | ●     | ●     | ○     |       |       |      |  |
|      |                                                                                                                    | DNMG 150604 - MF | 0.4 | 0.07 ~ 0.30                 | 0.2 ~ 1.5              |        |        |        |        |        |        |        |       | ●      | ●     | ●     | ●     | ○     |       |       |      |  |
|      |                                                                                                                    | DNMG 150608 - MF | 0.8 | 0.07 ~ 0.30                 | 0.2 ~ 1.5              |        |        |        |        |        | ○      | ○      |       | ●      | ●     | ●     | ●     | ○     |       |       |      |  |
|      |                                                                                                                    |                  |     |                             |                        |        |        |        |        |        | 1202   | 0813   | 2457  | 0812   | 0859  | 1820  | 2275  |       |       |       |      |  |
| -MM  | <br>Stainless steel<br>Medium    | DNMG 150404 - MM | 0.4 | 0.20 ~ 0.35                 | 0.5 ~ 3.5              |        |        |        |        |        |        | ○      |       | 0551   | 0552  | 1710  | 2289  | ○     |       |       |      |  |
|      |                                                                                                                    | DNMG 150408 - MM | 0.8 | 0.20 ~ 0.35                 | 1.0 ~ 3.5              |        |        |        |        |        |        | ○      |       | 0506   | 0513  | 0514  | 1788  | 2290  | ○     |       |      |  |
|      |                                                                                                                    | DNMG 150412 - MM | 1.2 | 0.20 ~ 0.35                 | 1.5 ~ 3.5              |        |        |        |        |        |        | ○      |       | 0529   | 0561  | 0562  | 1711  | 2291  | ○     |       |      |  |
|      |                                                                                                                    | DNMG 150604 - MM | 0.4 | 0.20 ~ 0.35                 | 0.5 ~ 3.5              |        |        |        |        |        |        | ○      |       | 0528   | 0553  | 0554  | 1712  | 2292  | ○     |       |      |  |
|      |                                                                                                                    | DNMG 150608 - MM | 0.8 | 0.20 ~ 0.35                 | 1.0 ~ 3.5              |        |        |        |        |        |        | ○      |       | 0507   | 0515  | 0516  | 0690  | 2293  | ○     |       |      |  |
|      |                                                                                                                    | DNMG 150612 - MM | 1.2 | 0.20 ~ 0.35                 | 1.5 ~ 3.5              |        |        |        |        |        |        | ○      |       | 0496   | 0563  | 0564  | 0694  | 2294  | ○     |       |      |  |
| -MG  | <br>Stainless steel<br>General  | DNMG 150404 - MG | 0.4 | 0.20 ~ 0.40                 | 0.5 ~ 4.0              |        |        |        |        |        |        |        |       | ●      |       |       |       |       |       |       |      |  |
|      |                                                                                                                    | DNMG 150408 - MG | 0.8 | 0.20 ~ 0.40                 | 1.0 ~ 4.0              |        |        |        |        |        |        |        |       |        | ●     | ●     | ●     | ●     | ●     |       |      |  |
|      |                                                                                                                    | DNMG 150412 - MG | 1.2 | 0.20 ~ 0.40                 | 1.5 ~ 4.0              |        |        |        |        |        |        |        |       |        | ●     |       |       |       |       |       |      |  |
|      |                                                                                                                    | DNMG 150604 - MG | 0.4 | 0.20 ~ 0.40                 | 0.5 ~ 4.0              |        |        |        |        |        |        |        |       |        | ●     |       |       |       |       |       |      |  |
|      |                                                                                                                    | DNMG 150608 - MG | 0.8 | 0.20 ~ 0.40                 | 1.0 ~ 4.0              |        |        |        |        |        |        |        |       |        | ●     | ●     | ●     | ●     | ●     |       |      |  |
|      |                                                                                                                    | DNMG 150612 - MG | 1.2 | 0.20 ~ 0.40                 | 1.5 ~ 4.0              |        |        |        |        |        |        |        |       |        | ●     |       |       |       |       |       |      |  |
|      |                                                                                                                    |                  |     |                             |                        |        |        |        |        |        |        |        | 2466  | 2470   | 1561  | 1562  | 1563  | 1560  |       |       |      |  |
|      |                                                                                                                    |                  |     |                             |                        |        |        |        |        |        |        |        | 2483  |        |       |       |       |       |       |       |      |  |
|      |                                                                                                                    |                  |     |                             |                        |        |        |        |        |        |        |        | 2467  |        |       |       |       |       |       |       |      |  |
|      |                                                                                                                    |                  |     |                             |                        |        |        |        |        |        |        |        | 2471  | 1565   | 1566  | 1567  | 1564  |       |       |       |      |  |
|      |                                                                                                                    |                  |     |                             |                        |        |        |        |        |        |        |        | 2484  |        |       |       |       |       |       |       |      |  |
| -MR  | <br>Stainless steel<br>Roughing | DNMG 150408 - MR | 0.8 | 0.30 ~ 0.55                 | 2.0 ~ 5.5              |        |        |        |        |        |        | ○      |       | 2492   | 0914  | 0808  | 0809  |       |       |       |      |  |
|      |                                                                                                                    | DNMG 150412 - MR | 1.2 | 0.30 ~ 0.55                 | 2.0 ~ 5.5              |        |        |        |        |        |        |        |       |        |       | ●     | ●     | ●     |       |       |      |  |
|      |                                                                                                                    | DNMG 150608 - MR | 0.8 | 0.30 ~ 0.55                 | 2.0 ~ 5.5              |        |        |        |        |        |        |        | ○     |        | 2481  | 0860  | 0814  | 0815  |       |       |      |  |
|      |                                                                                                                    | DNMG 150612 - MR | 1.2 | 0.30 ~ 0.55                 | 2.0 ~ 5.5              |        |        |        |        |        |        |        |       |        |       | ●     | ●     | ●     |       |       |      |  |
|      |                                                                                                                    |                  |     |                             |                        |        |        |        |        |        |        |        |       |        | 0929  | 0930  | 0810  |       |       |       |      |  |
|      |                                                                                                                    |                  |     |                             |                        |        |        |        |        |        |        |        |       |        | 0861  | 0862  | 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 |

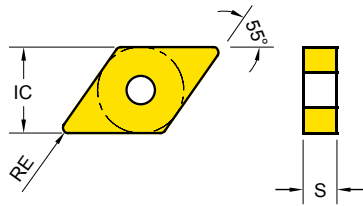
EDP 2200..

● : Stock item ○ : Order made item

|              |                                                                                                         |                   |     |             |           | K10    | P05    | P10    | P15    | P10    | P20    | P30    | P20   | M25    | M15   | M30   | M40   | S10   | P15   | M15   | N20  | N20 |
|--------------|---------------------------------------------------------------------------------------------------------|-------------------|-----|-------------|-----------|--------|--------|--------|--------|--------|--------|--------|-------|--------|-------|-------|-------|-------|-------|-------|------|-----|
|              |                                                                                                         |                   |     |             |           | K20    | K30    |        |        |        |        |        |       |        |       |       | S30   |       | K15   |       |      |     |
| DNGG<br>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 |        |        |        |        |        |        |        |       |        |       |       |       |       | ●     |       |      |     |
| -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 |        |        |        |        |        |        |        |       |        |       |       | ○     | ○     | ○     | ●     |      |     |
| -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 |        |        |        |        |        |        |        |       |        |       |       |       |       | ●     |       |      |     |
| NEW<br>-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 |        |        |        |        |        |        |        |       |        |       |       |       |       |       | ●     |      |     |

# 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 |

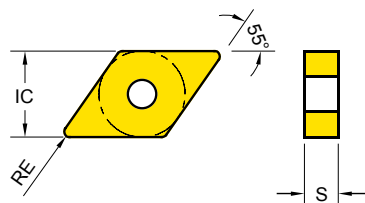
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● : Stock item ○ : Order made item

| 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>-UH<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>-UT<br><br>Heavy Roughing   | DNMM 150612 - UT | 1.2 | 0.30 ~ 0.50     | 2.0 ~ 7.0  |        |            |            |        |        | ●<br>2329 | ●<br>2330 |       |        |       |       |            |       |                   |       |      |
|                                                                                                                             |                  |     |                 |            |        |            |            |        |        |           |           |       |        |       |       |            |       |                   |       |      |
|                                                                                                                             |                  |     |                 |            |        |            |            |        |        |           |           |       |        |       |       |            |       |                   |       |      |

## Turning Inserts - Negative

## DNUX (4 Corners 55° Rhombic)



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

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● : 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  |       |      |     |