





















| | Обозначение | Сплав | | | | | | | | |
|---------------|---------------|---------------|--------|--------|--------|--------|--------|--------|--------|--|
| | | LCC051 | LLC101 | LCC251 | LCC371 | LCP05B | LCP20B | LCP30B | LCN301 | |
| | CNMG090304-FW | | ● | ▲ | | | | ○ | | |
| | CNMG090308-FW | | ● | ▲ | | | | ○ | | |
| | CNMG120404-FW | | ● | ▲ | | | | ○ | | |
| | CNMG120408-FW | | ● | ▲ | | | | ○ | | |
| | CNMG120412-FW | | ● | ▲ | | | | ○ | | |
| | DNMG110404-FW | | ● | ▲ | | | | ○ | | |
| | DNMG110408-FW | | ● | ▲ | | | | ○ | | |
| | DNMG110404-FW | | ● | ▲ | | | | ○ | | |
| | DNMG110408-FW | | ● | ▲ | | | | ○ | | |
| | DNMG150404-FW | | ● | ▲ | | | | ○ | | |
| | DNMG150408-FW | | ● | ▲ | | | | ○ | | |
| | DNMG150404-FW | | ● | ▲ | | | | ○ | | |
| | DNMG150408-FW | | ● | ▲ | | | | ○ | | |
| | SNMG120404-FW | | ● | ▲ | | | | ○ | | |
| | SNMG120408-FW | | ● | ▲ | | | | ○ | | |
| | SNMG120412-FW | | ● | ▲ | | | | ○ | | |
| | TNMG160404-FW | | ● | ▲ | | | | ○ | | |
| | TNMG160408-FW | | ● | ▲ | | | | ○ | | |
| | TNMG160412-FW | | ● | ▲ | | | | ○ | | |
| | TNMG220404-FW | | ● | ▲ | | | | ○ | | |
| | TNMG220408-FW | | ● | ▲ | | | | ○ | | |
| | VNMG160404-FW | | ● | ▲ | | | | ○ | | |
| | VNMG160408-FW | | ● | ▲ | | | | ○ | | |
| | WNMG060404-FW | | ● | ▲ | | | | ○ | | |
| | WNMG060408-FW | | ● | ▲ | | | | ○ | | |
| | WNMG060412-FW | | ● | ▲ | | | | ○ | | |
| | WNMG080404-FW | | ● | ▲ | | | | ○ | | |
| | WNMG080408-FW | | ● | ▲ | | | | ○ | | |
| | WNMG080412-FW | | ● | ▲ | | | | ○ | | |
| | | CCMT060202-FW | ▲ | ● | | | | | ○ | |
| | | CCMT060204-FW | ▲ | ● | | | | | ○ | |
| CCMT060208-FW | | ▲ | ● | | | | | ○ | | |
| CCMT09T302-FW | | ▲ | ● | | | | | ○ | | |
| CCMT09T304-FW | | ▲ | ● | | | | | ○ | | |
| CCMT09T308-FW | | ▲ | ● | | | | | ○ | | |
| CCMT120404-FW | | ▲ | ● | | | | | ○ | | |
| CCMT120408-FW | | ▲ | ● | | | | | ○ | | |
| | DCMT070202-FW | ▲ | ● | | | | | ○ | | |
| | DCMT070204-FW | ▲ | ● | | | | | ○ | | |
| | DCMT11T302-FW | ▲ | ● | | | | | ○ | | |
| | DCMT11T304-FW | ▲ | ● | | | | | ○ | | |
| | DCMT11T308-FW | ▲ | ● | | | | | ○ | | |

| | Обозначение | Сплав | | | | | | | |
|---------------|---------------|---------------|--------|--------|--------|--------|--------|--------|--------|
| | | LCC051 | LLC101 | LCC251 | LCC371 | LCP05B | LCP20B | LCP30B | LCN301 |
| | SCMT09T304-FW | ▲ | ● | | | | | ○ | |
| | SCMT09T308-FW | ▲ | ● | | | | | ○ | |
| | TCMT060204-FW | ▲ | ● | | | | | ○ | |
| | TCMT090204-FW | ▲ | ● | | | | | ○ | |
| | TCMT090208-FW | ▲ | ● | | | | | ○ | |
| | TCMT110304-FW | ▲ | ● | | | | | ○ | |
| | TCMT110308-FW | ▲ | ● | | | | | ○ | |
| | TCMT110312-FW | ▲ | ● | | | | | ○ | |
| | TCMT16T304-FW | ▲ | ● | | | | | ○ | |
| | TCMT16T308-FW | ▲ | ● | | | | | ○ | |
| | TCMT16T312-FW | ▲ | ● | | | | | ○ | |
| | VBMT110304-FW | ▲ | ● | | | | | ○ | |
| | VBMT110308-FW | ▲ | ● | | | | | ○ | |
| | VBMT160404-FW | ▲ | ● | | | | | ○ | |
| | VBMT160408-FW | ▲ | ● | | | | | ○ | |
| | VCMT110302-FW | ▲ | ● | | | | | ○ | |
| | VCMT110304-FW | ▲ | ● | | | | | ○ | |
| | VCMT110308-FW | ▲ | ● | | | | | ○ | |
| | VCMT160402-FW | ▲ | ● | | | | | ○ | |
| | VCMT160404-FW | ▲ | ● | | | | | ○ | |
| | VCMT160408-FW | ▲ | ● | | | | | ○ | |
| | | CNMG090304-MD | | ● | ● | ▲ | | | ○ |
| CNMG090304-MD | | | ● | ● | ▲ | | | ○ | |
| CNMG120404-MD | | | ● | ● | ▲ | | | ○ | |
| CNMG120408-MD | | | ● | ● | ▲ | | | ○ | |
| CNMG120412-MD | | | ● | ● | ▲ | | | ○ | |
| CNMG160608-MD | | | ● | ● | ▲ | | | ○ | |
| CNMG160612-MD | | | ● | ● | ▲ | | | ○ | |
| CNMG190608-MD | | | ● | ● | ▲ | | | ○ | |
| CNMG190612-MD | | | ● | ● | ▲ | | | ○ | |
| CNMG190616-MD | | | ● | ● | ▲ | | | ○ | |
| | DNMG110404-MD | | ● | ● | ▲ | | | ○ | |
| | DNMG110408-MD | | ● | ● | ▲ | | | ○ | |
| | DNMG150404-MD | | ● | ● | ▲ | | | ○ | |
| | DNMG150408-MD | | ● | ● | ▲ | | | ○ | |
| | DNMG150412-MD | | ● | ● | ▲ | | | ○ | |
| | DNMG150604-MD | | ● | ● | ▲ | | | ○ | |
| | DNMG150608-MD | | ● | ● | ▲ | | | ○ | |
| | DNMG150612-MD | | ● | ● | ▲ | | | ○ | |
| | SNMG090304-MD | | ● | ● | ▲ | | | ○ | |
| | SNMG120404-MD | | ● | ● | ▲ | | | ○ | |
| | SNMG120408-MD | | ● | ● | ▲ | | | ○ | |
| | SNMG120412-MD | | ● | ● | ▲ | | | ○ | |



| | Обозначение | Сплав | | | | | | | |
|---|---------------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | LCC051 | LLC101 | LCC251 | LCC371 | LCP05B | LCP20B | LCP30B | LCN301 |
|  | SNMG150608-MD | | ● | ● | ▲ | | ○ | | |
| | SNMG150612-MD | | ● | ● | ▲ | | ○ | | |
| | SNMG190608-MD | | ● | ● | ▲ | | ○ | | |
| | SNMG190612-MD | | ● | ● | ▲ | | ○ | | |
| | SNMG190616-MD | | ● | ● | ▲ | | ○ | | |
|  | TNMG160404-MD | | ● | ● | ▲ | | ○ | | |
| | TNMG160408-MD | | ● | ● | ▲ | | ○ | | |
| | TNMG160412-MD | | ● | ● | ▲ | | ○ | | |
| | TNMG220404-MD | | ● | ● | ▲ | | ○ | | |
| | TNMG220408-MD | | ● | ● | ▲ | | ○ | | |
| | TNMG220412-MD | | ● | ● | ▲ | | ○ | | |
|  | VNMG160404-MD | | ● | ● | ▲ | | ○ | | |
| | VNMG160408-MD | | ● | ● | ▲ | | ○ | | |
| | VNMG160412-MD | | ● | ● | ▲ | | ○ | | |
|  | WNMG060404-MD | | ● | ● | ▲ | | ○ | | |
| | WNMG060408-MD | | ● | ● | ▲ | | ○ | | |
| | WNMG060412-MD | | ● | ● | ▲ | | ○ | | |
|  | CCMT060202-MD | | ● | ● | ▲ | | ○ | | |
| | CCMT060204-MD | | ▲ | ▲ | | | ○ | | |
| | CCMT060208-MD | | ▲ | ▲ | | | ○ | | |
| | CCMT09T302-MD | | ▲ | ▲ | | | ○ | | |
| | CCMT09T304-MD | | ▲ | ▲ | | | ○ | | |
| | CCMT09T308-MD | | ▲ | ▲ | | | ○ | | |
| | CCMT120404-MD | | ▲ | ▲ | | | ○ | | |
| | CCMT120408-MD | | ▲ | ▲ | | | ○ | | |
| | CCMT120412-MD | | ▲ | ▲ | | | ○ | | |
|  | DCMT070202-MD | | ▲ | ▲ | | | ○ | | |
| | DCMT070204-MD | | ▲ | ▲ | | | ○ | | |
| | DCMT070208-MD | | ▲ | ▲ | | | ○ | | |
| | DCMT070212-MD | | ▲ | ▲ | | | ○ | | |
| | DCMT11T302-MD | | ▲ | ▲ | | | ○ | | |
| | DCMT11T304-MD | | ▲ | ▲ | | | ○ | | |
| | DCMT11T308-MD | | ▲ | ▲ | | | ○ | | |
| | DCMT11T312-MD | | ▲ | ▲ | | | ○ | | |
|  | SCMT09T302-MD | | ▲ | ▲ | | | ○ | | |
| | SCMT09T304-MD | | ▲ | ▲ | | | ○ | | |
| | SCMT09T308-MD | | ▲ | ▲ | | | ○ | | |
| | SCMT09T312-MD | | ▲ | ▲ | | | ○ | | |
| | SCMT120404-MD | | ▲ | ▲ | | | ○ | | |
| | SCMT120408-MD | | ▲ | ▲ | | | ○ | | |
| | SCMT120412-MD | | ▲ | ▲ | | | ○ | | |
|  | TCMT090204-MD | | ▲ | ▲ | | | ○ | | |
| | TCMT090208-MD | | ▲ | ▲ | | | ○ | | |

| | Обозначение | Сплав | | | | | | | |
|---|----------------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | LCC051 | LLC101 | LCC251 | LCC371 | LCP05B | LCP20B | LCP30B | LCN301 |
|  | TCMT110304-MD | | ▲ | ▲ | | | ○ | | |
| | TCMT110308-MD | | ▲ | ▲ | | | ○ | | |
| | TCMT110312-MD | | ▲ | ▲ | | | ○ | | |
| | TCMT16T304-MD | | ▲ | ▲ | | | ○ | | |
| | TCMT16T308-MD | | ▲ | ▲ | | | ○ | | |
| | TCMT16T312-MD | | ▲ | ▲ | | | ○ | | |
|  | VCMT110304-MD | | ▲ | ▲ | | | ○ | | |
| | VCMT110308-MD | | ▲ | ▲ | | | ○ | | |
| | VCMT160404-MD | | ▲ | ▲ | | | ○ | | |
| | VCMT160408-MD | | ▲ | ▲ | | | ○ | | |
|  | VBMT110304-MD | | ● | ● | | | ○ | | |
| | VBMT110308-MD | | ● | ● | | | ○ | | |
| | VBMT160404-MD | | ▲ | ▲ | | | ○ | | |
| | VBMT160408-MD | | ▲ | ▲ | | | ○ | | |
|  | RCMT0803MOE-R1 | | ▲ | ▲ | | | ○ | | |
| | RCMT10T3MOE-R1 | | ▲ | ▲ | | | ○ | | |
| | RCMT1204MOE-R2 | | ▲ | ▲ | | | ○ | | |
| | RCMT1606MOE-R3 | | ▲ | ▲ | | | ○ | | |
| | RCMT2006MOE-R4 | | ▲ | ▲ | | | ○ | | |
|  | CNMG120404-MA | | ● | ● | ▲ | | ○ | | |
| | CNMG120408-MA | | ● | ● | ▲ | | ○ | | |
| | CNMG120412-MA | | ● | ● | ▲ | | ○ | | |
| | CNMG160604-MA | | ● | ● | ▲ | | ○ | | |
| | CNMG160608-MA | | ● | ● | ▲ | | ○ | | |
|  | DNMG150404-MA | | ● | ● | ▲ | | ○ | | |
| | DNMG150408-MA | | ● | ● | ▲ | | ○ | | |
| | DNMG150604-MA | | ● | ● | ▲ | | ○ | | |
| | DNMG150608-MA | | ● | ● | ▲ | | ○ | | |
| | DNMG150612-MA | | ● | ● | ▲ | | ○ | | |
|  | SNMG120404-MA | | ● | ● | ▲ | | ○ | | |
| | SNMG120408-MA | | ● | ● | ▲ | | ○ | | |
|  | TNMG160404-MA | | ● | ● | ▲ | | ○ | | |
| | TNMG160408-MA | | ● | ● | ▲ | | ○ | | |
| | TNMG160412-MA | | ● | ● | ▲ | | ○ | | |
|  | VNMG160404-MA | | ● | ● | ▲ | | ○ | | |
| | VNMG160408-MA | | ● | ● | ▲ | | ○ | | |
|  | WNMG080404-MA | | ● | ● | ▲ | | ○ | | |
| | WNMG080408-MA | | ● | ● | ▲ | | ○ | | |
|  | CNMG120404-TM | | ▲ | ▲ | ● | | ○ | | |
| | CNMG120408-TM | | ▲ | ▲ | ● | | ○ | | |
| | CNMG120412-TM | | ▲ | ▲ | ● | | ○ | | |
|  | DNMG150404-TM | | ▲ | ▲ | ● | | ○ | | |
| | DNMG150408-TM | | ▲ | ▲ | ● | | ○ | | |

| | Обозначение | Слав | | | | | | | |
|--|---------------|--------|--------|--------|--------|--------|---------|---------|--------|
| | | LCC051 | LLC101 | LCC251 | LCC371 | LCPO5B | LCPC20B | LCPC30B | LCN301 |
| | DNMG150412-TM | | ▲ | ▲ | ● | | ○ | | |
| | DNMG150604-TM | | ▲ | ▲ | ● | | ○ | | |
| | DNMG150608-TM | | ▲ | ▲ | ● | | ○ | | |
| | DNMG150612-TM | | ▲ | ▲ | ● | | ○ | | |
| | TNMG160404-TM | | ▲ | ▲ | ● | | ○ | | |
| | TNMG160408-TM | | ▲ | ▲ | ● | | ○ | | |
| | TNMG160412-TM | | ▲ | ▲ | ● | | ○ | | |
| | TNMG220404-TM | | ▲ | ▲ | ● | | ○ | | |
| | TNMG220408-TM | | ▲ | ▲ | ● | | ○ | | |
| | TNMG220412-TM | | ▲ | ▲ | ● | | ○ | | |
| | VNMG160404-TM | | ▲ | ▲ | ● | | ○ | | |
| | VNMG160408-TM | | ▲ | ▲ | ● | | ○ | | |
| | VNMG160412-TM | | ▲ | ▲ | ● | | ○ | | |
| | WNMG080404-TM | | ▲ | ▲ | ● | | ○ | | |
| | WNMG080408-TM | | ▲ | ▲ | ● | | ○ | | |
| | WNMG080412-TM | | ▲ | ▲ | ● | | ○ | | |
| | VNMG160408-UX | | ▲ | ▲ | ● | | ○ | | |
| | VNMG160412-UX | | ▲ | ▲ | ● | | ○ | | |
| | WNMG080408-UX | | ▲ | ▲ | ● | | ○ | | |
| | WNMG080412-UX | | ▲ | ▲ | ● | | ○ | | |
| | CNMG120404-U | | ● | ● | | | | | |
| | CNMG120408-U | | ● | ▲ | | | | | |
| | CNMG120412-U | | ● | ● | | | | | |
| | CNMG160604-U | | ● | ● | | | | | |
| | CNMG160608-U | | ● | ▲ | | | | | |
| | CNMG160612-U | | ● | ● | | | | | |
| | DNMG150404-U | | ● | ● | | | | | |
| | DNMG150408-U | | ● | ● | | | | | |
| | DNMG150604-U | | ● | ● | | | | | |
| | DNMG150608-U | | ● | ● | | | | | |
| | SNMG120404-U | | ● | ● | | | | | |
| | SNMG120408-U | | ● | ● | | | | | |
| | SNMG120404-U | | ● | ● | | | | | |
| | SNMG120408-U | | ● | ● | | | | | |
| | SNMG150608-U | | ● | ● | | | | | |
| | SNMG150612-U | | ● | ● | | | | | |
| | TNMG160404-U | | ● | ● | | | | | |
| | TNMG160408-U | | ● | ▲ | | | | | |
| | TNMG160412-U | | ● | ● | | | | | |
| | VNMG160404-U | | ● | ● | | | | | |
| | VNMG160408-U | | ● | ▲ | | | | | |
| | VNMG160412-U | | ● | ▲ | | | | | |

| | Обозначение | Слав | | | | | | | |
|--|---------------|--------|--------|--------|--------|--------|---------|---------|--------|
| | | LCC051 | LLC101 | LCC251 | LCC371 | LCPO5B | LCPC20B | LCPC30B | LCN301 |
| | WNMG080404-U | | ● | ● | | | | | |
| | WNMG080408-U | | ● | ● | | | | | |
| | WNMG080412-U | | ● | ● | | | | | |
| | CNMG120408-RA | | ● | ▲ | ● | | | | |
| | CNMG120412-RA | | ● | ▲ | ● | | | | |
| | CNMG160612-RA | | ● | ● | ▲ | | | | |
| | CNMG190612-RA | | ● | ● | ▲ | | | | |
| | DNMG150408-RA | | ● | ● | ▲ | | | | |
| | DNMG150412-RA | | ● | ● | ▲ | | | | |
| | DNMG150416-RA | | ● | ● | ● | | | | |
| | DNMG150608-RA | | ● | ● | ▲ | | | | |
| | DNMG150612-RA | | ● | ● | ▲ | | | | |
| | DNMG150616-RA | | ● | ● | ● | | | | |
| | SNMG120408-RA | | ● | ▲ | ● | | | | |
| | SNMG120412-RA | | ● | ▲ | ● | | | | |
| | SNMG120416-RA | | ● | ● | ● | | | | |
| | SNMG150608-RA | | ● | ● | ▲ | | | | |
| | SNMG150612-RA | | ● | ● | ▲ | | | | |
| | SNMG190608-RA | | ● | ● | ▲ | | | | |
| | SNMG190612-RA | | ● | ● | ▲ | | | | |
| | SNMG190616-RA | | ● | ● | ▲ | | | | |
| | SNMG190624-RA | | ● | ● | ● | | | | |
| | TNMG160408-RA | | ● | ▲ | ● | | | | |
| | TNMG160412-RA | | ● | ▲ | ● | | | | |
| | TNMG220408-RA | | ● | ● | ▲ | | | | |
| | TNMG220412-RA | | ● | ● | ▲ | | | | |
| | TNMG220416-RA | | ● | ● | ● | | | | |
| | WNMG060408-RA | | ● | ▲ | ▲ | | | | |
| | WNMG060412-RA | | ● | ▲ | ▲ | | | | |
| | WNMG080408-RA | | ● | ● | ▲ | | | | |
| | WNMG080412-RA | | ● | ● | ▲ | | | | |
| | WNMG080416-RA | | ● | ● | ● | | | | |
| | CNMM120408-RB | | ● | ● | ● | | | | |
| | CNMM120412-RB | | ▲ | ● | | | | | |
| | CNMM160608-RB | | ● | ● | | | | | |
| | CNMM160612-RB | | ● | ▲ | | | | | |
| | CNMM160616-RB | | ● | ▲ | | | | | |
| | CNMM190612-RB | | ● | ▲ | | | | | |
| | CNMM190616-RB | | ● | ▲ | | | | | |
| | CNMM190624-RB | | ● | ● | | | | | |
| | CNMM250724-RB | | ● | ● | | | | | |
| | CNMM250924-RB | | ● | ● | | | | | |

| | Обозначение | Сплав | | | | | | | |
|---|---------------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | LCC051 | LLC101 | LCC251 | LCC371 | LCP05B | LCP20B | LCP30B | LCN301 |
|  | SNMM120408-RB | | | ● | ● | | | | |
| | SNMM120412-RB | | | ● | ● | | | | |
| | SNMM120416-RB | | | ● | ● | | | | |
| | SNMM150608-RB | | | ● | ▲ | | | | |
| | SNMM150612-RB | | | ● | ▲ | | | | |
| | SNMM150616-RB | | | ● | ● | | | | |
| | SNMM190608-RB | | | ● | ▲ | | | | |
| | SNMM190612-RB | | | ● | ▲ | | | | |
| | SNMM190616-RB | | | ● | ▲ | | | | |

| | Обозначение | Сплав | | | | | | | |
|---|---------------|--------|--------|--------|--------|--------|--------|--------|--------|
| | | LCC051 | LLC101 | LCC251 | LCC371 | LCP05B | LCP20B | LCP30B | LCN301 |
|  | SNMM190624-RB | | | ● | ▲ | | | | |
| | SNMM250724-RB | | | ● | ▲ | | | | |
| | SNMM250924-RB | | | ● | ▲ | | | | |
| | SNMM250932-RB | | | ● | ● | | | | |
|  | TNMM160408-RB | | | | ▲ | ● | | | |
| | TNMM160412-RB | | | | ▲ | ● | | | |
| | TNMM220408-RB | | | | ● | ▲ | | | |
| | TNMM220412-RB | | | | ● | ▲ | | | |
| | TNMM220416-RB | | | | ● | ● | | | |

> OC2015

Adopted with Co-structure substrate, OC2015 is optimized for excellent toughness and wear resistance. It is the best option in P15 area without cutting fluid and suitable for semi-finishing and finishing ISO P, K, and M materials.

> OC2025

Adopted with Co-structure substrate, OC2025 is optimized for the best combination of toughness and wearing resistance. It's wide range applicable and suitable for semi-finishing and finishing ISO P material.

> OC2115

Adopted with thick TiCN and thick Al₂O₃ coating, OC2115 is the best option for semi-finishing and finishing ISO P material, and optimized for impact resistance and wearing resistance. Contracting with prime grade, the cutting speed can be increased over 25%; and the flank wear can be decreased 30% in same cutting speed.

> OC2125

Adopted with thick TiCN and thick Al₂O₃ coating, OC2125 is optimized for blade intensity and resisting plastic deformation. It is the preferred option in semi-finishing and finishing ISO P material. OC2125 can be worked stably in high removal rate cutting parameters and serious work conditions. Besides, it's qualified in cutting without cutting fluid. In addition, the cutting speed can be increased over 25% in same cutting condition; the tool life can be extended 50% in the same cutting speed.

> OP1205H

Combined with ultrafine nano PVD coating and ultra-fine grain substrate, OP1205H will be stronger and blade sharpness. It have good versatility and is preferred in interrupted turning and milling stainless steel.

> Professional Chip Breaker Design

◀ -OPF ▶



Special designed for cutting ISO P material. -OPF can efficiently control and break chip; with sharp cutting edge, it has low cutting forces and good chip-controlling, which help it obtains excellent precision and surface quality, suitable for finishing ISO P material.

-OPM ▶



Negative chamfer designed on sharp blade, blade intensity and impact-resistance are increased, it can efficiently break chip and extend chip break filed. -OPM is suitable for semi-finishing and slight interrupted cutting ISO P material.

◀ -OPR ▶

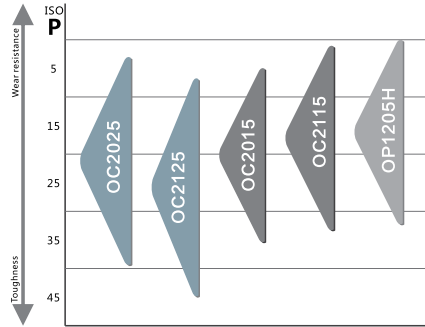


Three-dimension designed with double rake angle, wide margin and negative chamfer, -OPR get ideal balance between blade intensity and sharp. It can efficiently guide chip's flow direction and suitable for rough cutting and interrupted cutting.

-KPM ▶



Three-dimension designed with double rake angle, and variable wide margin chamfer, it can decrease cutting resistance and increase the chip-break range, the cutting edge will more sharp than -OPM, so, it can acquire better surface quality even it machines the higher sticky alloy steel, and -KPM can be worked stable in serious work condition, such as uneven blank stock.



> OC2215

Suited for semi-finishing and finishing ISO P material. It contains high plastic deformation capacity substrate and high-wearing CVD coating, which makes it is suitable for steel finishing at high-speed cutting. The golden appearance is easy to be found the wear.

> OC2225

Suited for ISO P material. It contains gradient-based structural substrate and hard-wearing CVD coating. Combines both favorable toughness and wearing resistance, which makes it is suitable for steel processing. The golden appearance is easy to be found the wear.

| | Обозначение | Сплав | | | | |
|--|----------------|--------|--------|--------|--------|--------|
| | | OC2215 | OC2215 | OC2215 | OC2215 | OC2215 |
| | CNMG090304-OPF | ● | ▲ | ○ | ○ | ○ |
| | CNMG090308-OPF | ● | ▲ | ○ | ○ | ○ |
| | CNMG120404-OPF | ● | ▲ | ○ | ○ | ○ |
| | CNMG120408-OPF | ● | ▲ | ○ | ○ | ○ |
| | CNMG120412-OPF | ● | ▲ | ○ | ○ | ○ |
| | CNMG090304-OPM | ● | ○ | ▲ | ○ | ○ |
| | CNMG090308-OPM | ● | ○ | ▲ | ○ | ○ |
| | CNMG120404-OPM | ● | ○ | ▲ | ○ | ○ |
| | CNMG120408-OPM | ● | ○ | ▲ | ○ | ○ |
| | CNMG120412-OPM | ● | ○ | ▲ | ○ | ○ |
| | CNMG120416-OPM | ● | ○ | ▲ | ○ | ○ |
| | CNMG160608-OPM | ● | ○ | ▲ | ○ | ○ |
| | CNMG160612-OPM | ● | ○ | ▲ | ○ | ○ |
| | CNMG160616-OPM | ● | ○ | ▲ | ○ | ○ |
| | CNMG190608-OPM | ● | ○ | ▲ | ○ | ○ |
| | CNMG190612-OPM | ● | ○ | ▲ | ○ | ○ |
| | CNMG120408-OPR | ○ | ▲ | ● | ○ | ○ |
| | CNMG120412-OPR | ○ | ▲ | ● | ○ | ○ |
| | CNMG120416-OPR | ○ | ▲ | ● | ○ | ○ |

| | Обозначение | Сплав | | | | |
|--|----------------|--------|--------|--------|--------|--------|
| | | OC2215 | OC2215 | OC2215 | OC2215 | OC2215 |
| | CNMG160608-OPR | ○ | ▲ | ● | ○ | ○ |
| | CNMG160612-OPR | ○ | ▲ | ● | ○ | ○ |
| | CNMG160616-OPR | ○ | ▲ | ● | ○ | ○ |
| | CNMG190608-OPR | ○ | ▲ | ● | ○ | ○ |
| | CNMG190612-OPR | ○ | ▲ | ● | ○ | ○ |
| | CNMG190616-OPR | ○ | ▲ | ● | ○ | ○ |
| | CNMG190624-OPR | ○ | ▲ | ● | ○ | ○ |
| | CNMG090304-KPM | ○ | ● | ○ | ▲ | ○ |
| | CNMG090308-KPM | ○ | ● | ○ | ▲ | ○ |
| | CNMG120404-KPM | ○ | ● | ○ | ▲ | ○ |
| | CNMG120408-KPM | ○ | ● | ○ | ▲ | ○ |
| | CNMG120412-KPM | ○ | ● | ○ | ▲ | ○ |
| | CNMG120416-KPM | ○ | ● | ○ | ▲ | ○ |
| | CNMG160608-KPM | ○ | ● | ○ | ▲ | ○ |
| | CNMG160612-KPM | ○ | ● | ○ | ▲ | ○ |
| | CNMG160616-KPM | ○ | ● | ○ | ▲ | ○ |
| | CNMG190608-KPM | ○ | ● | ○ | ▲ | ○ |
| | CNMG190612-KPM | ○ | ● | ○ | ▲ | ○ |
| | CNMG190616-KPM | ○ | ● | ○ | ▲ | ○ |

| | Обозначение | Сплав | | | | |
|--|----------------|--------|--------|--------|--------|--------|
| | | OC2215 | OC2215 | OC2215 | OC2215 | OC2215 |
| | DNMG110408-OPF | ● | ▲ | ○ | ○ | ○ |
| | DNMG110412-OPF | ● | ▲ | ○ | ○ | ○ |
| | DNMG150404-OPF | ● | ▲ | ○ | ○ | ○ |
| | DNMG150408-OPF | ● | ▲ | ○ | ○ | ○ |
| | DNMG150412-OPF | ● | ▲ | ○ | ○ | ○ |
| | DNMG150604-OPF | ● | ▲ | ○ | ○ | ○ |
| | DNMG150608-OPF | ● | ▲ | ○ | ○ | ○ |
| | DNMG150612-OPF | ● | ▲ | ○ | ○ | ○ |
| | DNMG110404-OPM | ○ | ● | ○ | ▲ | ○ |
| | DNMG110408-OPM | ○ | ● | ○ | ▲ | ○ |
| | DNMG110412-OPM | ○ | ● | ○ | ▲ | ○ |
| | DNMG150404-OPM | ○ | ● | ○ | ▲ | ○ |
| | DNMG150408-OPM | ○ | ● | ○ | ▲ | ○ |
| | DNMG150412-OPM | ○ | ● | ○ | ▲ | ○ |
| | DNMG150416-OPM | ○ | ● | ○ | ▲ | ○ |
| | DNMG150604-OPM | ○ | ● | ○ | ▲ | ○ |
| | DNMG150608-OPM | ○ | ● | ○ | ▲ | ○ |
| | DNMG150612-OPM | ○ | ● | ○ | ▲ | ○ |

| ISO | OKC | TaeguTec | KENNAMETAL | HITACHI | ZCCCT | SANDVIK | TUNGALOY | KYOCERA | KORLOY | SUMTOMO | MISTUBISHI | |
|------------------|-------------------|-----------|--------------------|-----------|----------------|----------------|----------------------------|-------------------------------------|--------------------------|-------------------------|--|-----------------|
| P | Superfinishing | R/L-F | | UF,FF | FE | | QF,LC | 01&TF,ZF | DP,GP,VF, XF,CF,XP, XP-T | HU | FA,FL | PK&FH,FY, F FS |
| | Finishing (light) | OPF 53 ZC | FG,FA | LF, FN | BE, CE BH | DF | XF,PF,MF | TSF, AS NS, 27 | HQ, CQ, CJ,PQ,VF,GF | HF | SU, LU,SX, SP,FP,FA, FL,SE,ST,C | C, SA, SH, LP |
| | Finishing | OPF | | | Y,V | SF | WL | 17,TS,NS,CB 11, 27, ZF | XQ, XS | HF | EX,SK,SJ,SX, UU,UJ | SY |
| | Finishing (wiper) | | WS,EA, WT,MG | FW,MW,RW | | WG | WP,WF, WM,WMX | AFW,ASW | WP,WQ | HW | LUW,SEW,GUW | SW,MW |
| | Semi-Finishing | OPM KPM | MLET,MP, MC,SM, MT | MN,P,MG | AB,AY,AR AH,CT | DM,PM | PM,QM, SM,XM | TM,DM,ZM,NM 33,38,37,TH, 32Y,32, 37 | CJ,GS,HK,PS, HS,PT,CS | HC,HM,H A | GU,UG,UX, GE,UA,UM, | MV,MP,MZ, MA,MH |
| | Roughing (light) | OPR | | RN,RP,MG | RE | DR(双面) | PR,HM,XMR | | GT, HT | | MU, MX, UX UZ | GH,RP |
| Roughing (Heavy) | OPR OPH | RT, RH,HT | MR, RmR RH,PR,MG, | HX, HE, H | DR HDR | QR,MR,PR,HR 23 | 57, 65, TU 31, 33,F-K, THS | HX PX PH | HR,HH | MP, HG,HP, MC,MU,MX, UZ | HZ, HX,HV, HZ,HXD,HA-H AS,HBS,HCS, HDS,HXD | |

| ISO | OKC | TaeguTe | KENNAMETA | HITACHI | ZCCCT | SANDVIK | TUNGALOY | KYOCERA | KORLOY | SUMTOMO | MISTUBISHI | |
|-----|-------------------|---------|-----------|------------------|-------|---------|--------------|-------------------------|----------------------|-------------------------------|----------------------|------------------|
| P | Finishing | OTF | FA, FG | 11, UF, GF,LF,FP | JQ | SF, HF | UF, PF | 01, PF, FS,JS | GP,CK,XP VF,CF,GQ,GF | HFP | FP, LU, FC,SU, SK,FK | FV,SV, FP,SQ,SMG |
| | Finishing (wiper) | | WS | FW | | | WK&, W,WP | | A,B,C,H,Y | LUW,SF,SU SS,FZ,US,W,SDFX, FY | SW | |
| | Semi-Finishing | OTM | MT,CMX | MF,MP | JE | HM | UM,WF,PM | PM,PS,PF,PSF ,PSS,23,24 | HQ,XQ,GK | HMP,C25 | MU,SC | MV,MQ,AM, 全周,MP |
| | Roughing (light) | OTR | | GM,MR | | | WM,PR, UR,KM | | GP,DP | | UJ,SU,RP | MW |

| Обозначение | Сплав | | | | |
|----------------|--------|--------|--------|---------|--------|
| | DC2015 | DC2018 | DC2115 | DP1215M | DC2215 |
| CNMG160616 | ● | ○ | ▲ | ○ | ○ |
| CNMG190608 | ○ | ▲ | ○ | ● | ○ |
| CNMG190612 | ○ | ▲ | ○ | ● | ○ |
| CNMG190616 | ○ | ▲ | ○ | ● | ○ |
| DNMG150604 | ○ | ○ | ● | ○ | ○ |
| DNMG150608 | ○ | ○ | ● | ○ | ○ |
| DNMG150612 | ○ | ○ | ● | ○ | ○ |
| DNMG150616 | ○ | ○ | ● | ○ | ○ |
| DNMG190608 | ▲ | ○ | ● | ○ | ○ |
| DNMG190612 | ▲ | ○ | ● | ○ | ○ |
| SNMG090304 | ○ | ○ | ▲ | ○ | ○ |
| SNMG090308 | ○ | ○ | ▲ | ○ | ○ |
| SNMG120404 | ○ | ○ | ▲ | ○ | ○ |
| SNMG120408 | ○ | ○ | ▲ | ○ | ○ |
| SNMG120412 | ○ | ○ | ▲ | ○ | ○ |
| SNMG120416 | ○ | ○ | ▲ | ○ | ○ |
| SNMG150608 | ○ | ○ | ▲ | ○ | ○ |
| SNMG150612 | ▲ | ○ | ● | ○ | ○ |
| SNMG190612 | ▲ | ○ | ● | ○ | ○ |
| SNMG190616 | ▲ | ○ | ● | ○ | ○ |
| SNMG250724 | ▲ | ○ | ● | ○ | ○ |
| SNMG250924 | ▲ | ○ | ● | ○ | ○ |
| TNMG110308 | ○ | ○ | ▲ | ○ | ○ |
| TNMG160404 | ○ | ○ | ▲ | ○ | ○ |
| TNMG160408 | ○ | ○ | ▲ | ○ | ○ |
| TNMG160412 | ○ | ○ | ▲ | ○ | ○ |
| TNMG220404 | ○ | ○ | ▲ | ○ | ○ |
| TNMG220408 | ○ | ○ | ▲ | ○ | ○ |
| TNMG220412 | ○ | ○ | ▲ | ○ | ○ |
| TNMG220416 | ○ | ○ | ▲ | ○ | ○ |
| TNMG270612 | ▲ | ○ | ● | ○ | ○ |
| TNMG270616 | ▲ | ○ | ● | ○ | ○ |
| VNMG160404 | ○ | ○ | ▲ | ○ | ○ |
| VNMG160408 | ○ | ○ | ▲ | ○ | ○ |
| WNMG061308 | ○ | ○ | ▲ | ○ | ○ |
| WNMG060408 | ○ | ○ | ▲ | ○ | ○ |
| WNMG060416 | ○ | ○ | ▲ | ○ | ○ |
| CCMT060202-OTF | ● | ○ | ○ | ▲ | |
| CCMT060204-OTF | ● | ○ | ○ | ▲ | |
| CCMT060208-OTF | ● | ○ | ○ | ▲ | |
| CCMT091302-OTF | ● | ○ | ○ | ▲ | |
| CCMT091304-OTF | ● | ○ | ○ | ▲ | |
| CCMT091308-OTF | ● | ○ | ○ | ▲ | |
| CCMT120404-OTF | ● | ○ | ○ | ▲ | |
| CCMT120408-OTF | ● | ○ | ○ | ▲ | |
| CCMT060204-OTM | ○ | ▲ | ○ | ○ | |
| CCMT060208-OTM | ○ | ▲ | ○ | ○ | |
| CCMT091304-OTM | ○ | ▲ | ○ | ○ | |
| CCMT091308-OTM | ○ | ▲ | ○ | ○ | |
| CCMT120404-OTM | ○ | ▲ | ○ | ○ | |
| CCMT120408-OTM | ○ | ▲ | ○ | ○ | |
| CCMT120412-OTM | ○ | ▲ | ○ | ○ | |
| CCMT060204-OTR | ○ | ○ | ▲ | ○ | |
| CCMT060208-OTR | ○ | ○ | ▲ | ○ | |

| Обозначение | Сплав | | | | |
|----------------|--------|--------|--------|---------|--------|
| | DC2015 | DC2018 | DC2115 | DP1215M | DC2215 |
| CCMT091304-OTR | ○ | ○ | ▲ | ○ | ○ |
| CCMT091308-OTR | ○ | ○ | ▲ | ○ | ○ |
| CCMT120408-OTR | ○ | ○ | ▲ | ○ | ○ |
| CCMT120412-OTR | ○ | ○ | ▲ | ○ | ○ |
| DCMT070202-OTF | ● | ○ | ○ | ▲ | ○ |
| DCMT070204-OTF | ● | ○ | ○ | ▲ | ○ |
| DCMT070208-OTF | ● | ○ | ○ | ▲ | ○ |
| DCMT111302-OTF | ● | ○ | ○ | ▲ | ○ |
| DCMT111304-OTF | ● | ○ | ○ | ▲ | ○ |
| DCMT111308-OTF | ● | ○ | ○ | ▲ | ○ |
| DCMT070202-OTM | ○ | ○ | ▲ | ○ | |
| DCMT070204-OTM | ○ | ○ | ▲ | ○ | |
| DCMT111304-OTM | ○ | ○ | ▲ | ○ | |
| DCMT111308-OTM | ○ | ○ | ▲ | ○ | |
| DCMT111312-OTM | ○ | ○ | ▲ | ○ | |
| DCMT111304-OTR | ○ | ○ | ▲ | ○ | |
| DCMT111308-OTR | ○ | ○ | ▲ | ○ | |
| DCMT111312-OTR | ○ | ○ | ▲ | ○ | |
| SCMT091302-OTF | ● | ○ | ○ | ▲ | ○ |
| SCMT091304-OTF | ● | ○ | ○ | ▲ | ○ |
| SCMT091308-OTF | ○ | ○ | ▲ | ○ | ○ |
| SCMT091304-OTM | ○ | ○ | ▲ | ○ | ○ |
| SCMT091308-OTM | ○ | ○ | ▲ | ○ | ○ |
| SCMT120404-OTM | ○ | ○ | ▲ | ○ | ○ |
| SCMT120408-OTM | ○ | ○ | ▲ | ○ | ○ |
| SCMT120412-OTM | ○ | ○ | ▲ | ○ | ○ |
| SCMT091304-OTR | ○ | ○ | ▲ | ○ | ○ |
| SCMT091308-OTR | ○ | ○ | ▲ | ○ | ○ |
| SCMT091312-OTR | ○ | ○ | ▲ | ○ | ○ |
| SCMT120404-OTR | ○ | ○ | ▲ | ○ | ○ |
| SCMT120408-OTR | ○ | ○ | ▲ | ○ | ○ |
| SCMT120412-OTR | ○ | ○ | ▲ | ○ | ○ |
| SCMT091304 | ○ | ○ | ▲ | ○ | |
| SCMT120404 | ○ | ○ | ▲ | ○ | |
| SCMT120408 | ○ | ○ | ▲ | ○ | |
| TCMT061104-OTF | ○ | ○ | ▲ | ○ | |
| TCMT061108-OTF | ○ | ○ | ▲ | ○ | |
| TCMT090202-OTF | ○ | ○ | ▲ | ○ | |
| TCMT090204-OTF | ○ | ○ | ▲ | ○ | |
| TCMT090208-OTF | ○ | ○ | ▲ | ○ | |
| TCMT110202-OTF | ○ | ○ | ▲ | ○ | |
| TCMT110204-OTF | ○ | ○ | ▲ | ○ | |
| TCMT110208-OTF | ○ | ○ | ▲ | ○ | |
| TCMT161302-OTF | ○ | ○ | ▲ | ○ | |
| TCMT161304-OTF | ○ | ○ | ▲ | ○ | |
| TCMT161308-OTF | ○ | ○ | ▲ | ○ | |
| TCMT090204-OTM | ○ | ○ | ▲ | ○ | |
| TCMT090208-OTM | ○ | ○ | ▲ | ○ | |
| TCMT110204-OTM | ○ | ○ | ▲ | ○ | |
| TCMT110208-OTM | ○ | ○ | ▲ | ○ | |
| TCMT110212-OTM | ○ | ○ | ▲ | ○ | |
| TCMT161304-OTM | ○ | ○ | ▲ | ○ | |
| TCMT161308-OTM | ○ | ○ | ▲ | ○ | |
| TCMT161312-OTM | ○ | ○ | ▲ | ○ | |

| Обозначение | Сплав | | | | |
|----------------|--------|--------|--------|---------|--------|
| | DC2015 | DC2018 | DC2115 | DP1215M | DC2215 |
| TCMT090204-OTR | ○ | ○ | ▲ | ○ | ○ |
| TCMT090208-OTR | ○ | ○ | ▲ | ○ | ○ |
| TCMT110204-OTR | ○ | ○ | ▲ | ○ | ○ |
| TCMT110208-OTR | ○ | ○ | ▲ | ○ | ○ |
| TCMT161304-OTR | ○ | ○ | ▲ | ○ | ○ |
| TCMT161308-OTR | ○ | ○ | ▲ | ○ | ○ |
| TCMT161312-OTR | ○ | ○ | ▲ | ○ | ○ |
| TCMC120408-OTR | ○ | ○ | ▲ | ○ | ○ |
| VBMT110204-OTF | ○ | ▲ | ○ | ○ | |
| VBMT110208-OTF | ○ | ▲ | ○ | ○ | |
| VBMT110302-OTF | ○ | ▲ | ○ | ○ | |
| VBMT110304-OTF | ○ | ▲ | ○ | ○ | |
| VBMT110308-OTF | ○ | ▲ | ○ | ○ | |
| VBMT160404-OTF | ○ | ▲ | ○ | ○ | |
| VBMT160408-OTF | ○ | ▲ | ○ | ○ | |
| VBMT160412-OTF | ○ | ▲ | ○ | ○ | |
| VBMT160416-OTF | ○ | ▲ | ○ | ○ | |
| VBMT160420-OTF | ○ | ▲ | ○ | ○ | |
| VBMT160424-OTF | ○ | ▲ | ○ | ○ | |
| RCMT1030MO | ○ | ○ | ● | ○ | ○ |
| RCMT1013MO | ○ | ○ | ● | ○ | ○ |
| RCMT1204MO | ○ | ○ | ● | ○ | ○ |
| RCMT1606MO | ○ | ○ | ● | ○ | ○ |
| RCMX0803MO | ○ | ○ | ○ | ○ | ○ |
| RCMX1003MO | ○ | ○ | ○ | ○ | ○ |
| RCMX1204MO | ○ | ○ | ○ | ○ | ○ |
| RCMX1606MO | ○ | ○ | ○ | ○ | ○ |
| RCMX2006MO | ○ | ○ | ○ | ○ | ○ |
| RCMX2507MO | ○ | ○ | ○ | ○ | ○ |
| RCMX3209MO | ○ | ○ | ○ | ○ | ○ |
| WCMX050308-ZK | | | | ▲ | |
| WCMX061308-ZK | | | | ▲ | |
| WCMX080412-ZK | | | | ▲ | |
| TRGH060204L-F | | | | ▲ | |
| TRGH110304L-F | | | | ▲ | |
| TRGH080202L-F | | | | ▲ | |
| TRGH110302L-F | | | | ▲ | |
| TRGH080204L-F | | | | ▲ | |
| TRGH090204L-F | | | | ▲ | |
| TRGH090202L-F | | | | ▲ | |
| TRGH080202L | | | | ▲ | |
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| TRGH090204L | | | | ▲ | |
| TRGH110302L | | | | ▲ | |
| TRGH110304L | | | | ▲ | |
| TRGH111302L | | | | ▲ | |
| TRGH111304L | | | | ▲ | |
| TRGH111302R | | | | ▲ | |
| TRGH111304R | | | | ▲ | |

