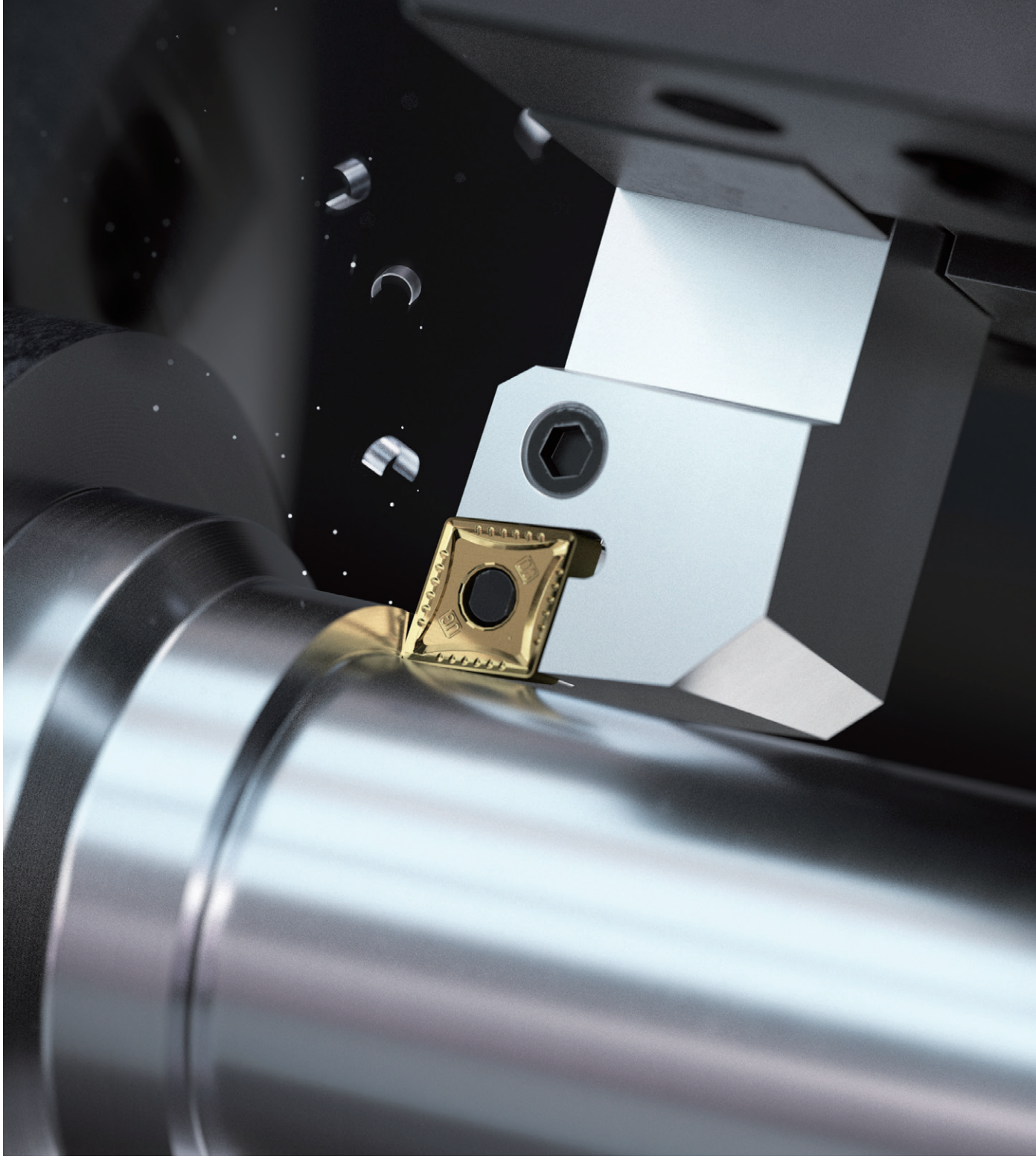
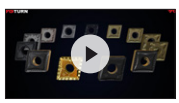


# ISO TURNING

**Product Overview**
**Application Guide**
**Turning Inserts Overview**
**Turning Inserts**
**Turning Holders Overview**
**Turning Holders**



Scan this QR code to see our **Turning Grades** at work.

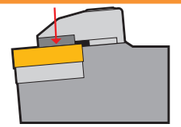
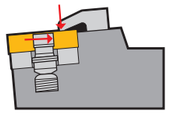
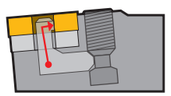
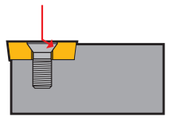
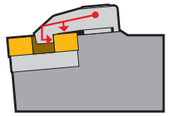
Turning - Name Code System

# External Turning Holder Code (Inch)

*Inch

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|
| M | C | L | N | R | 12 | 4 | B |
| Clamping System | Insert Shape (1st Letter of Insert) | Tool Style | Insert Clearance (2nd Letter of Insert) | Tool Hand | Shank Width(B) & Height(H) | Insert Size | Length (LF) |

## 1 - Clamping System

| Symbol | System |
|---|---|
| C |  **Top Clamp** (No Clamping Hole Insert) |
| M |  **Multi lock** (Straight Clamping Hole Insert) |
| P |  **Lever Lock** (Straight Clamping Hole Insert) |
| S |  **Screw Clamp** (Screw Clamping Hole Insert) |
| D (T) |  **Double Clamp** (Straight Clamping Hole Insert) |

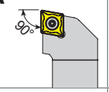
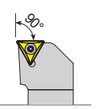
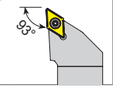
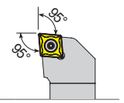
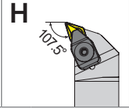
## 2, 4 — Insert Compatibility *

T C L N R — C N M G

holder — insert

* Related to Insert Designation to check compatibility

## 3 - Tool Style

| Approach Angle (KAPR) | Side Direction: Straight Shank | Side Direction: Offset Shank | End Direction |
|---|---|---|---|
| 45° | D | S | |
| 60° | | T | |
| 63° | N | | |
| 72.5° | V | | |
| 75° | B | | K |
| 90° | A  | G | F  |
| 93° | | J  | U |
| 95° | | L (Both Directions)  | |
| 107.5° | | H  | |





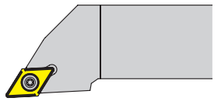
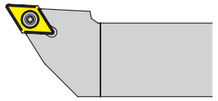
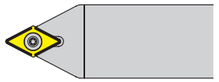
Turning - Name Code System

# External Turning Holder Code (Inch)

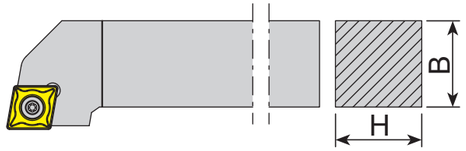
*Inch

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 |
|---|---|---|---|---|---|---|---|
| M | W | L | N | R | 16 | 3 | D |
| Clamping System | Insert Shape (1st Letter of Insert) | Tool Style | Insert Clearance (2nd Letter of Insert) | Tool Hand | Shank Width(B) & Height(H) | Insert Size | Length (LF) |

## 5 - Hand Direction

| Symbol | Hand Direction | |
|---|---|---|
| R | Right Hand |  |
| L | Left Hand |  |
| N | Neutral |  |

## 6 - Shank Height (H) Shank Width (B)




| Number | Hight (H) | Width (B) | Number | Hight (H) | Width (B) |
|---|---|---|---|---|---|
| 10 | .625 | .625 | 06 | .375 | .375 |
| 12 | .75 | .75 | 05 | .3125 | .3125 |
| 16 | 1.00 | 1.00 | 64 | .75 | 1.00 |
| 20 | 1.25 | 1.25 | 66 | 1.75 | 1.50 |
| 24 | 1.50 | 1.50 | 85 | 1.00 | 1.25 |
| 32 | 2.00 | 2.00 | 86 | 1.00 | 1.50 |
| 08 | .50 | .50 | 91 | 1.25 | 1.50 |

## 7 - Insert Size *

| Example | is Compatible with… |
|---|---|
| MCLNR 12 4B | CNMG432 |
| MTJNR 16 3B | TNMG331 |

* Related to Insert Designation to check compatibility

## 8 - Length (LF)

| Symbol | Length (Inch) | Symbol | Length (Inch) |
|---|---|---|---|
| A | 4.000 | M | 4.000 |
| B | 4.500 | N | 4.500 |
| C | 5.000 | P | 5.000 |
| D | 6.000 | R | 6.000 |
| E | 7.000 | S | 7.000 |
| F | 8.000 | T | 8.000 |
| G | 5.500 | U | 5.500 |
| H | 5.625 | V | 3.500 |
| J | 5.300 | W | 3.500 |
| K | 14.000 | Y | 3.750 |
| L | 6.800 | X | Special |

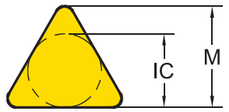
# Insert ISO Code System

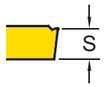
*Metric : According to ISO 1832

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|
| C | N | M | G | 12 | 04 | 08 | -UG | YG3115 |
| Shape | Clearance | Tolerance | Clamping & Chipbreaker | Insert Size | Insert Thickness | Corner Radius | Chipbreaker Geometry | Grade |

## 1 - Shape

| Symbol | Shape |
|---|---|
| H | Hexagonal |
| O | Octagonal |
| P | Pentagonal |
| S | Square |
| T | Triangular |
| C | Rhombic 80˚ |
| D | Rhombic 55˚ |
| V | Rhombic 35˚ |
| W | Trigon |
| L | Rectangular |
| K | Parallelogram 55˚ |
| R | Round |




## 2 - Relief Angle (AN)

| Symbol | Relief Angle (AN) |
|---|---|
| N | No Relief Angle |
| B | Relief 5˚ |
| C | Relief 7˚ |
| P | Relief 11˚ |
| D | Relief 15˚ |
| E | Relief 20˚ |
| F | Relief 25˚ |
| O | Special |

## 3 - Tolerance Class

| Symbol | Inner Circle IC (inch) | Nose Height M (inch) | Thickness S (inch) |
|---|---|---|---|
| C | ±.0010 | ±.0005 | ±.0010 |
| E | ±.001 | ±.0010 | ±.001 |
| G | ±.001 | ±.0010 | ±.005 |
| H | ±.0005 | ± .0005 | ±.0010 |
| K* | ±.002~.006* | ±.0005 | ±.005 |
| M* | ±.002~.006* | ±.003~.010* | ±.005 |
| U* | ±.003~.010* | ±.005~.015* | ±.005 |

* Tolerance is differs by insert IC size. Please see ISO 1832

## 4 - Clamping & Chip breaker

| Symbol | Clamping | Chipbreaker | Figure |
|---|---|---|---|
| N | No clamping hole | X | |
| R | | One Face | |
| A | Cylindrical clamping hole | X | |
| M | | One Face | |
| G | | Both Faces | |
| W | Screw hole | X | |
| T | | One Face | |
| U | | Both Faces | |
| X | Special | | |





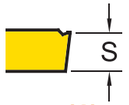
# Insert ISO Code System

*Inch

| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 |
|---|---|---|---|---|---|---|---|---|
| C | N | M | G | 4 | 3 | 2 | -UG | YG3115 |
| Shape | Clearance | Tolerance | Clamping & Chipbreaker | Insert Size | Insert Thickness | Corner Radius | Chipbreaker Geometry | Grade |

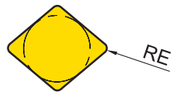
## 5 - Insert Size

| Metric S | Metric T | Metric C | Metric D | Metric V | Metric W | Metric R | Inner Circle IC (inch) | Inch |
|---|---|---|---|---|---|---|---|---|
| 06 | 11 | 06 | 07 | 11 | | | 1/4 | 2 |
| 07 | 13 | 08 | 09 | 13 | 15 | | 5/16 | 2.5 |
| 09 | 16 | 09 | 11 | 16 | 06 | 09 (00) | 3/8 | 3 |
| 12 | 22 | 12 | 15 | 22 | 08 | 12 (00) | 1/2 | 4 |
| 15 | 27 | 16 | 19 | 27 | 10 | | 5/8 | 5 |
| 19 | 33 | 19 | 23 | 33 | 13 | | 3/4 | 6 |
| 25 | | 25 | | | | | 1 | 8 |
| | | | | | | 06 (M0) | .236 | |
| | | | | | | 08 (M0) | .315 | |
| | | | | | | 10 (M0) | .394 | |
| | | | | | | 12 (M0) | .472 | |
| | | | | | | 16 (M0) | .630 | |




## 6 - Insert Thickness (S)

| Metric | Thickness - S (inch) | Inch |
|---|---|---|
| T1 | 5/64 | 1.2 |
| 02 | 3/32 | 1.5 |
| 03 | 1/8 | 2 |
| T3 | 5/32 | 2.5 |
| 04 | 3/16 | 3 |
| 05 | 7/32 | 3.5 |
| 06 | 1/4 | 4 |
| 07 | 5/16 | 5 |
| 09 | 3/8 | 6 |




## 7 - Corner Radius (RE)

| Metric | Corner Radius - RE (inch) | Inch |
|---|---|---|
| 01 | .004 | 0 |
| 02 | .008 | .5 |
| 04 | 1/64 | 1 |
| 08 | 1/32 | 2 |
| 12 | 3/64 | 3 |
| 16 | 1/16 | 4 |
| 20 | 5/64 | 5 |
| 24 | 3/32 | 6 |

## Grade Naming System

| 1 | 2 | 3 | 4 | 5 | (6) | |
|---|---|---|---|---|---|---|
| YG | 3 | 1 | 1 | 5 | (G) | |
| YG Brand | Workpiece Material | Grade Version | Application Range (1st Digit) | Application Range (2nd Digit) | Minor Variation | |
| Carbide CVD (4 Digits) | ● | ● | ● | ● | | YG3115 |
| Carbide PVD (3 Digits) | ● | ● | ● | | | YG211 |
| Carbide Uncoated (2 Digits) | ● | ● | | | | YG10 |

### 1 - YG Brand

### 2 - Workpiece Material

| Symbol | Workpiece Material | Turning | Milling | Drilling | Parting |
|---|---|---|---|---|---|
| 1 | K Cast Iron or N Non - Ferrous | ● | | | |
| 2 | M Stainless Steel | ● | | | |
| 3 | P Steel | ● | | | |
| 4 | S Superalloys | ● | | | |
| 5 | K Cast Iron or N Non - Ferrous | | ● | ● | ● |
| 6 | M Stainless Steel or Universal | | ● | ● | ● |
| 7 | P Steel | | ● | ● | ● |
| 8 | Universal | ● | | | |
| 0 | Hardened Steel | | ● | | |

### 3 — Grade Version

### 4 & 5 — Application Range

| Symbol | |
|---|---|
| 05 | Stable |
| 10 | |
| 15 | |
| 20 | General |
| 25 | |
| 30 | |
| 35 | |
| 40 | Unstable |
| 45 | |

Stable: Wear Resistant Grade, Stable Application, Continuous Cut, Finishing

General: Balanced Grade, High Versatility, General Application

Unstable: Tougher Grade, Unstable Application, Interrupted Cut, Chipping Resistance, Roughing

### (6) — (Minor Variation)

G — Gold Coated Version

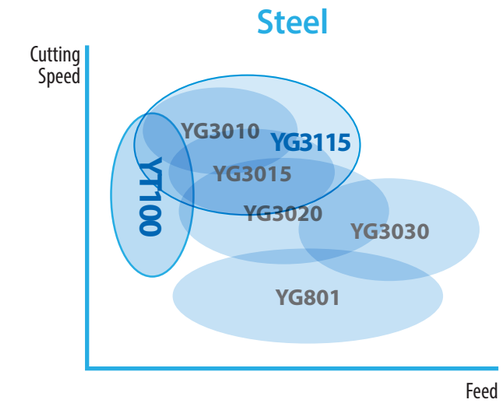


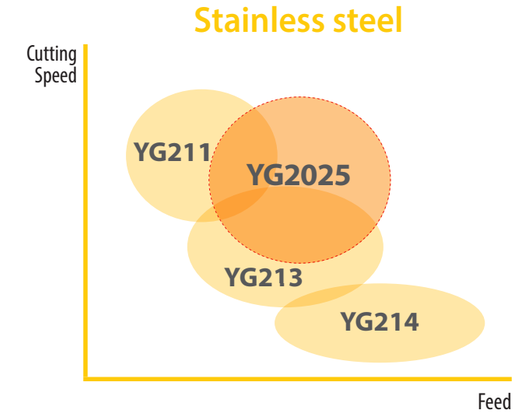


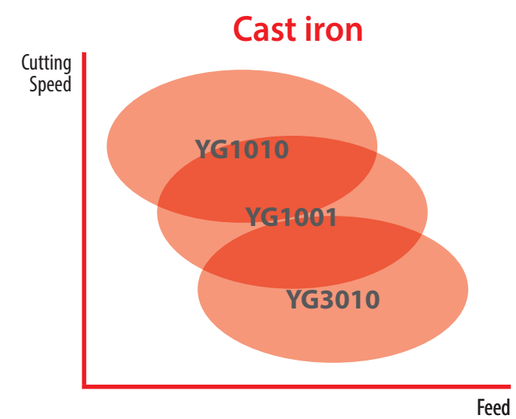
Product Overview

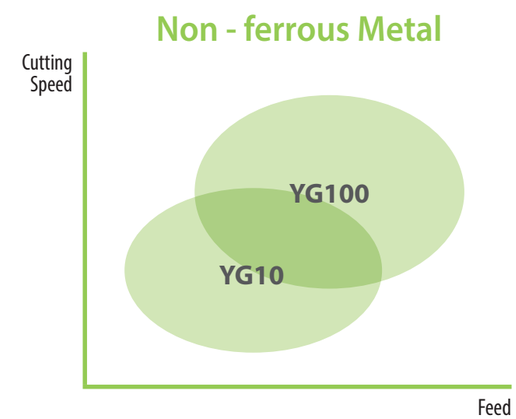
## Turning Grades Map

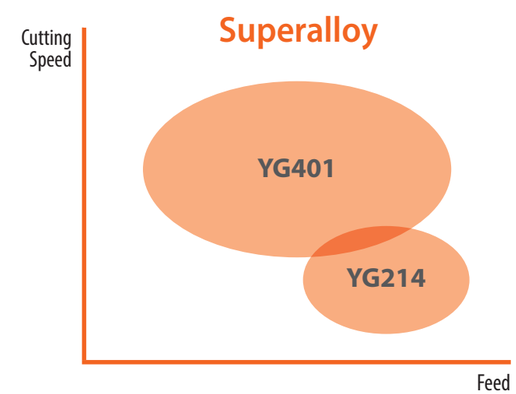
Speed : Vc (ft/min.)
Feed : Fn (inch/rev.)



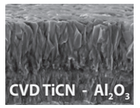



Product Overview

# Turning Grades

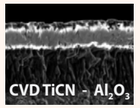
| Turning Grades | | P Steel | | | | M Stainless steel | | | K Cast iron | | | N Non - ferrous | | S Superalloys | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | P10 | P20 | P30 | P40 | M10 | M20 | M30 | K10 | K20 | K30 | N10 | N20 | S10 | S20 |
| CVD | YG1010 | | | | | | | | 1010 | | | | | | |
| | YG1001 | 1001 | | | | | | | | 1001 | | | | | |
| | YG3010 | | 3010 | | | | | | | | 3010 | | | | |
| | YG3015 | | 3015 | | | | | | | | | | | | |
| | YG3115 | | | 3115 | | | | | | | | | | | |
| | YG3020 | | | 3020 | | | | | | | | | | | |
| | YG3030 | | | | 3030 | | | | | | | | | | |
| | YG2025 | | | | | | 2025 | | | | | | | | |
| PVD | YG801 | | 801 | | | | | | | | | | | | |
| | YG211 | | | | | 211 | | | | | | | | | |
| | YG213 | | | | | | 213 | | | | | | | | |
| | YG214 | | | | | | | 214 | | | | | | | 214 |
| | YG401 | | | | | | | | | | | | | 401 | |
| Cermet | YT100 | | YT100 | | | | YT100 | | | YT100 | | | | | |
| DLC | YG100 | | | | | | | | | | | 100 | | | |
| - | YG10 | | | | | | | | | | | 10 | | | |

**YG1010**
K05 - K15



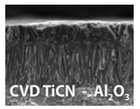

**First Choice for Cast Iron**
- Effective coating structure enables high speed machining
- Special post treatment for improved chipping resistance

**YG1001**
P01 - P10
K10 - K25



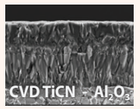

**Stable Machining of Cast Iron**
- Substrate especially designed for high wear resistance
- Thick $Al_2O_3$ layer ensures good wear resistance at high cutting speeds including dry machining

**YG3010**
P05 - P20
K15 - K35



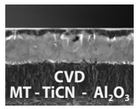

**First choice for Finishing Steels, and Ductile Cast iron**
- Finishing and light machining of steel under in stable condition
- New $Al_2O_3$ coating technology and excellent surface smoothness increase wear resistance and chipping resistance

**YG3015**
P10 - P25




**Balanced Productivity for Continuous cut**
- High wear resistance and improved toughness ensures high productivity with less trouble

NEW
**YG3115**
P15 - P25




**First choice grade for high cutting speed in Steels**
- Suitable for mass production due to stable and predictable tool life
- Minimizing built up edge due to new post surface treatment in mild steels, low carbon steel and low carbon alloy steel.
- Best choice for both continuous as well as interrupted cuts

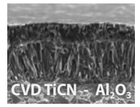




Product Overview

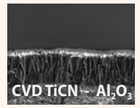
# Turning Grades

**YG3020**
P15 - P30



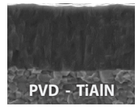

**First Choice Grade for General Steel Application**
- Substrate especially designed for good toughness
- Excellent surface smoothness increases wear resistance and reliability

**YG3030**
P20 - P35



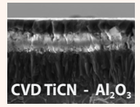

**Interrupted Cutting of Steel and Stainless steel**
- Substrate for heavy roughing in mild steel and low carbon alloy steel
- New $Al_2O_3$ technology and optimized surface treatment achieves a good balance between wear resistance and chipping resistance

**YG801**
P10 - P30



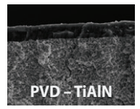

**for Carbon Steel with Low Cutting Speed**
- Recommended for mild steel and boring application
- Substrate and special PVD coating for excellent wear resistance

NEW
**YG2025**
M15 - M35



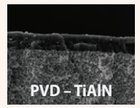

**CVD grade for High Cutting Speed for Stainless steel**
- Utilizing a new carbide substrate and new coating
- Excellent combination of wear resistance and chipping resistance
- Minimized built up edge due to post surface treatment

**YG211**
M05 - M25



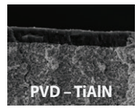

**High wear Resistance Grade for Stainless steel**
- Finishing Stainless steel

**YG213**
M20 - M35



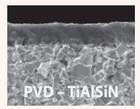

**First Choice Grade on Low Cutting Speed of Stainless steel**
- First choice on Stainless steel for Low cutting speed
- For Medium to low cutting speed

**YG214**
M30 - M40
S25 - S30



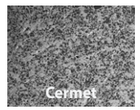

**Heavy Interrupted cut for Stainless steel**
- For Heavy Interrupted cut on Stainless steel
- Minimize risk of Mechanical fracture or Chipping

**YG401**
S10 - S20



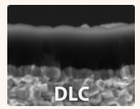

**PVD Turning Grade for HRSA**
- Highly heat - resistant TiAlSiN structure for excellent wear resistance
- Greatly improved film coating realizes excellent boundary defect resistance
- Top coating layer provides a smooth surface and lubricant effect

NEW
**YT100**
P10 - P20
M10 - M20
K10 - K20



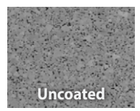

**New Generation Cermet Grade**
- Enhanced wear resistance & chipping resistance
- Excellent fracture resistance
- Superior surface finish with special edge preparation

**YG100**
N05 - N25




**First Choice Grade for Aluminum with DLC Coating**
- Submicron carbide for high wear resistance
- DLC coating minimizes Built Up Edge tendency.
- Improve tool life in sticky non - ferrous alloy

**YG10**
N05 - N25



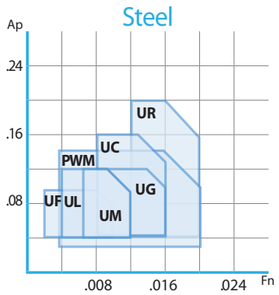

**Uncoated Grade for General Aluminum**
- Substrate consisted of submicron carbide for high wear resistance
- Shining surface to prevent built up edge

Product Overview

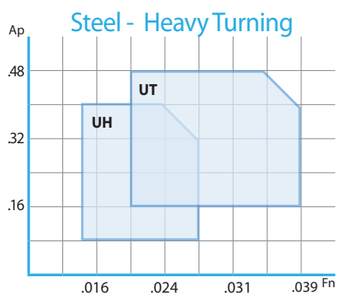
# Turning Chip breakers - Negative

| P | M | K | N | S | | | Feed (Fn (inch/rev.)) | Depth of Cut (Ap (inch)) |
|---|---|---|---|---|---|---|---|---|
| P | | | | | UF | Finishing (16°) | Fn .002 ~ .010 | Ap .039 ~ .098 |
| P | | | | | UL | Semi Finishing and sticky materials (27°, 18°, .004) | Fn .004 ~ .012 | Ap .039 ~ .118 |
| P | | | | | UM | Medium & Unstable conditions (16°, .005) | Fn .006 ~ .012 | Ap .039 ~ .118 |
| P | | | | | UG | First Choice for Medium(Stable conditions) (20°, 6°, .009) | Fn .008 ~ .016 | Ap .039 ~ .118 |
| P | | | | | PWM | Wiper - Medium (.007, 5°, 18°) | Fn .004 ~ .020 | Ap .031 ~ .138 |
| P | | | | | NEW UH | Low cutting force (.013, 23°) | Fn .014 ~ .028 → | Ap .079 ~ .354 → |
| P | | | | | NEW UT | Heavy roughing (.012, 18°, 20°) | Fn .020 ~ .039 → | Ap .157 ~ .472 → |
| P | | K | | | UC | Medium Roughing and First choice for Cast iron (.008, 14°) | Fn .008 ~ .016 | Ap .039 ~ .157 |
| P | | K | | | UR | Roughing and Heavy interrupted cut (.014, 17°) | Fn .012 ~ .020 | Ap .039 ~ .197 |
| | | K | | | ..MA | Cast iron Heavy Roughing | Fn .006 ~ .020 | Ap .039 ~ .197 |

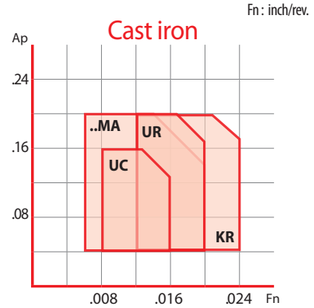
Ap : inch
Fn : inch/rev.




*Insert : CNMG432




*Insert : CNMM646




*Insert : CNMM646



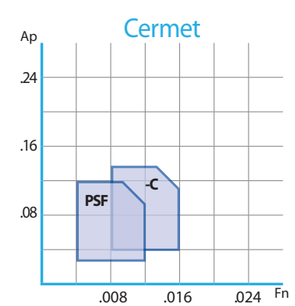


Product Overview

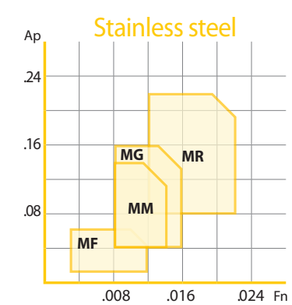
# Turning Chip breakers - Negative

| P | M | K | N | S | | | Feed (Fn (inch/rev.)) | Depth of Cut (Ap (inch)) |
|---|---|---|---|---|---|---|---|---|
| | | K | | | KR | Cast Iron Heavy Roughing (.020, 19°) | Fn .012 ~ .024 | Ap .039 ~ .197 |
| | M | | | S | MF | Stainless steel Finishing (18°) | Fn .003 ~ .012 | Ap .008 ~ .059 |
| P | M | | | S | MM | Stainless steel Medium and Low Carbon Steel (.007, 19°, 12°) | Fn .008 ~ .014 | Ap .039 ~ .138 |
| | M | | | S | MG | Stainless steel General (.011, 10°) | Fn .008 ~ .016 | Ap .039 ~ .157 |
| | M | | | S | MR | Stainless steel Roughing (.016, 8°) | Fn .012 ~ .022 | Ap .079 ~ .217 |
| | | | | S | SF | HRSA Finishing (20°) | Fn .004 ~ .010 | Ap .008~.039 |
| | | | | S | SM | HRSA Medium (15°) | Fn .006 ~ .012 | Ap .020 ~ .118 |
| | | | | S | SR | Roughing for HRSA (.016, 8°) | Fn .012 ~ .022 | Ap .079 ~ .217 |
| P | M | K | | | NEW PSF | Cermet Finishing (.004, 15°) | Fn .004 ~ .012 | Ap .024 ~ .118 |
| P | M | K | | | NEW -C | Cermet Medium (0.2, 14°) | Fn .008 ~ .016 | Ap .039 ~ .138 |

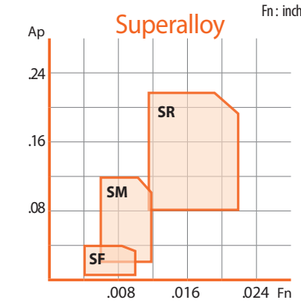
Ap : inch
Fn : inch/rev.




*Insert : CNMG432 / TNGG332




*Insert : CNMG432



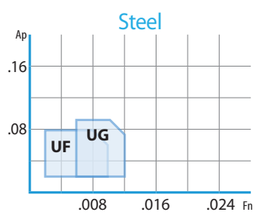

*Insert : CNMG432

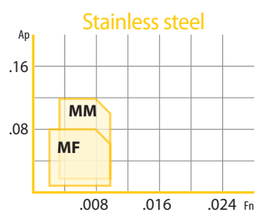
Product Overview

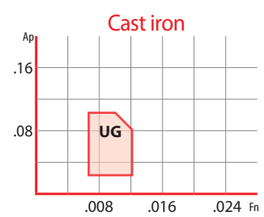
# Turning Chip breakers - Positive

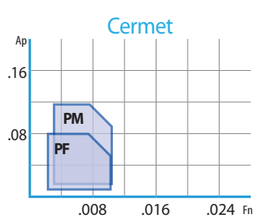
| P | M | K | N | S | | | | Feed 0 .004 .008 .012 .016 .020 .024 Fn (inch/rev.) | Depth of Cut 0 .04 .08 .12 .16 .20 .24 Ap (inch) |
|---|---|---|---|---|---|---|---|---|---|
| | | | N | | AL | Aluminum application (28°) | Fn .001 ~ .012 | Ap .004 ~ .197 |
| P | M | | | | UF | Finishing application (10°) | Fn .002 ~ .010 | Ap .020 ~ .079 |
| P | | K | | | UG | Medium application (0.06, 17°) | Fn .006 ~ .012 | Ap .020 ~ .098 |
| | M | | | | NEW MF | Stainless steel Finishing (6°) | Fn .002 ~ .010 | Ap .004 ~ .079 |
| | M | | | | NEW MM | Stainless steel Medium (.005, 18°, 6°) | Fn .003 ~ .010 | Ap .010 ~ .118 |
| | M | | | | NEW SF | HRSA Finishing (18°) | Fn .001 ~ .008 | Ap .004 ~ .098 |
| P | M | K | | | NEW PF | Cermet Finishing (6°) | Fn .002 ~ .010 | Ap .004 ~ .079 |
| P | M | K | | | NEW PM | Cermet Medium (.005, 18°, 6°) | Fn .003 ~ .010 | Ap .010 ~ .118 |

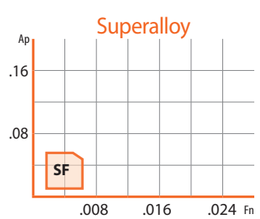
Ap : inch
Fn : inch/rev.

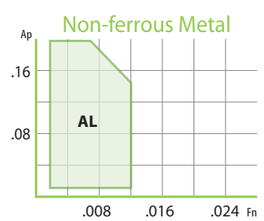



*Insert : CCMT32.52





# Turning Inserts Overview

## Negative Inserts

Recommended Cutting Conditions : p.164

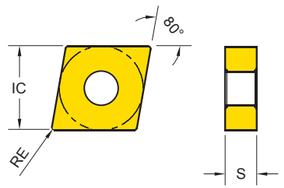
| Shape | | Series | Size & Thickness | | | | | | | | | Page |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| C | | CNMA | | | 43 | | | 54 | 64 | | | 30 |
| | | CNMG | 32 | 33 | 43 | | | 54 | 64 | | 86 | |
| | | CNGG | | | 43 | | | 54 | 64 | | 86 | |
| | | CNMM | | | 43 | | | | | | | |
| D | | DNMA | | | 43 | 44 | | | | | | 35 |
| | | DNMG | | 33 | 43 | 44 | | | | | | |
| | | DNGG | | | 43 | 44 | | | | | | |
| | | DNMM | | | | | | | | | | |
| | | DNUX | | | 43 | 44 | | | | | | 40 |
| K | | KNUX | | | | | 1604 (mm) | | | | | 41 |
| S | | SNMA | | | 43 | | | 54 | 64 | | | 42 |
| | | SNMG | 32 | | 43 | | | 54 | 64 | | | |
| | | SNMM | | | | | | 54 | 65 | 85 | | |
| T | | TNMA | | 33 | | | | | | | | 47 |
| | | TNMG | | 33 | | | 43 | | | | | |
| | | TNGG | | 33 | | | | | | | | 49 |
| | | TNUX | | 33 | | | | | | | | 50 |
| V | | VNMA | | 33 | | | | | | | | 51 |
| | | VNMG | | 33 | | | | | | | | |
| W | | WNMA | | | 43 | | | | | | | 53 |
| | | WNMG | | 33 | 43 | | | | | | | |
| | | WNGG | | | 43 | | | | | | | 56 |

## Positive Inserts

| Shape | | Series | Size & Thickness | | | | | | Page |
|---|---|---|---|---|---|---|---|---|---|
| C | | CCGT | 21.5 | | 32.5 | | | 43 | 57 |
| | | CCMT | 21.5 | | 32.5 | | | 43 | |
| D | | DCGT | 21.5 | | 32.5 | | | | 59 |
| | | DCMT | 21.5 | | 32.5 | | | | |
| R | | RCMT | 602 | 803 | | 10T3 | 1204 | | 61 |
| S | | SCGT | | | 32.5 | | | | 63 |
| | | SCMT | | | 32.5 | | | 43 | |
| T | | TCGT | 21.5 | | 32.5 | | | | 64 |
| | | TCMT | 21.5 | | 32.5 | | | | |
| V | | VBGT / VBMT | | 22 | | 33 | | | 66 |
| | | VCGT / VCMT | | 22 | | 33 | | | |

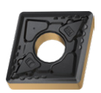
Turning Inserts - Negative

# CNMA / CNMG (80˚ Rhombic)




| Series | IC | S | Series | IC | S |
|---|---|---|---|---|---|
| CN** 32 | 3/8 | 1/8 | CN** 54 | 5/8 | 1/4 |
| CN** 33 | 3/8 | 3/16 | CN** 64 | 3/4 | 1/4 |
| CN** 43 | 1/2 | 3/16 | CN** 86 | 1.0 | 3/8 |

EDP 2200.. ●: Stock item ○: Order made item

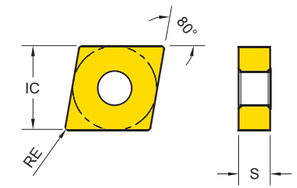
| CNMA CNMG | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| ..MA Cast iron | CNMA431 | .016 | .006 ~ .020 | .020 ~ .197 | ● 089400890354 | ○ | ○ | | | | | | | | | | | | | |
| | CNMA432 | .031 | .006 ~ .020 | .039 ~ .197 | ● 148400100355 | ○ | ○ | | | | | | | | | | | | | |
| | CNMA433 | .047 | .006 ~ .020 | .059 ~ .197 | ● 076600110356 | ○ | ○ | | | | | | | | | | | | | |
| | CNMA434 | .063 | .006 ~ .020 | .079 ~ .197 | ● 120711881314 | ○ | ○ | | | | | | | | | | | | | |
| | CNMA543 | .047 | .006 ~ .020 | .059 ~ .197 | ● 088100120357 | ○ | ○ | | | | | | | | | | | | | |
| | CNMA544 | .063 | .006 ~ .020 | .079 ~ .197 | ● 093704460447 | ○ | ○ | | | | | | | | | | | | | |
| | CNMA643 | .047 | .006 ~ .020 | .059 ~ .354 | ● 161709890990 | ○ | ○ | | | | | | | | | | | | | |
| | CNMA644 | .063 | .006 ~ .039 | .118 ~ .394 | ● 101504480449 | ○ | ○ | | | | | | | | | | | | | |
| - UF Finishing | CNMG431 - UF | .016 | .002 ~ .010 | .020 ~ .098 | | ○ 0178 | | | ● 2370017901800003 | | | ○ | | | | | | | | |
| | CNMG432 - UF | .031 | .002 ~ .010 | .039 ~ .098 | | ○ 0189102722040190 0191 | | | ● | ● | ● | | | | | | | | | |
| | CNMG433 - UF | .047 | .002 ~ .010 | .059 ~ .098 | | ○ 1349 | | | ● 2598136013 50 | | ● | | | | | | | | | |
| - UL Light Machining and Sticky Material | CNMG322 - UL | .031 | .004 ~ .012 | .039 ~ .098 | | ○ 1211 | | | ● 2589132812 12 | | ● | | | | | | | | | |
| | CNMG323 - UL | .047 | .004 ~ .012 | .059 ~ .098 | | ○ 1274 | | | ● 2590127017 04 | | ● | | | | | | | | | |
| | CNMG332 - UL | .031 | .004 ~ .012 | .039 ~ .098 | | ○ 1338 | | | ● 2591133517 05 | | ● | | | | | | | | | |
| | CNMG333 - UL | .047 | .004 ~ .012 | .059 ~ .098 | | ○ 1339 | | | ● 2592133617 06 | | ● | | | | | | | | | |
| | CNMG431 - UL | .016 | .004 ~ .012 | .020 ~ .118 | | ○ 0358 | | | ● 2381035905 24 | | ● | | | | | | | | | |
| | CNMG432 - UL | .031 | .004 ~ .012 | .039 ~ .118 | | ○ 0192 | | | ● 2315019301 94 | | ● | | | | | | | | | |
| | CNMG433 - UL | .047 | .004 ~ .012 | .059 ~ .118 | | ○ 0201 | | | ● 2396020202 03 | | ● | | | | | | | | | |
| - UM  Medium Machining Unstable condition | CNMG431 - UM | .016 | .006 ~ .012 | .020 ~ .118 | | ● 10740184 | ○ | | ● 2174018501 86 | | ● | | | | | | | | | |
| | CNMG432 - UM | .031 | .006 ~ .012 | .039 ~ .118 | ● 0897033801140843 | ● | ○ | ○ | ● 2218010001 40 | | ● | | | | | | | | | |
| | CNMG433 - UM | .047 | .006 ~ .012 | .059 ~ .118 | | ● 10750525 | ○ | | ● 2387048605 26 | | ● | | | | | | | | | |





Turning Inserts - Negative

# CNMG (80˚ Rhombic)



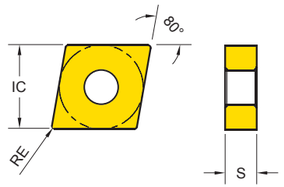

| Series | IC | S | Series | IC | S |
|---|---|---|---|---|---|
| CN** 32 | 3/8 | 1/8 | CN** 54 | 5/8 | 1/4 |
| CN** 33 | 3/8 | 3/16 | CN** 64 | 3/4 | 1/4 |
| CN** 43 | 1/2 | 3/16 | CN** 86 | 1.0 | 3/8 |

EDP 2200.. ●: Stock item ○: Order made item

| CNMG | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| - UG Medium Machining at stable condition | CNMG431 - UG | .016 | .008 ~ .016 | .020 ~ .118 | ● 157810730181 | ○ | ○ | | ● 221901820183 | | ● | | | | | | | | | |
| | CNMG432 - UG | .031 | .008 ~ .016 | .039 ~ .118 | ● 089603370113 1001 | ○ | ○ | ○ | ● 2178009901390001 | | ● | ● | ○ | | | | | | | |
| | CNMG433 - UG | .047 | .008 ~ .016 | .059 ~ .118 | ● 157906850198 | ○ | ○ | | ● 219901990200 | | ● | | | | | | | | | |
| | CNMG542 - UG | .031 | .008 ~ .016 | .039 ~ .197 | ● 182610771078 | ○ | ○ | | ● 259907480749 | | ● | | | | | | | | | |
| | CNMG543 - UG | .047 | .008 ~ .016 | .059 ~ .197 | ● 182707910530 | ○ | ○ | | ● 243005080531 | | ● | | | | | | | | | |
| | CNMG544 - UG | .063 | .012 ~ .020 | .079 ~ .197 | ● 182812290534 | ○ | ○ | | ● 260005100535 | | ● | | | | | | | | | |
| | CNMG642 - UG | .031 | .008 ~ .024 | .039 ~ .236 | ● 1847 | | ○ 0801 | | ● 2601080208 03 | | ● | | | | | | | | | |
| | CNMG643 - UG | .047 | .008 ~ .024 | .059 ~ .236 | | | | | ● 2603230623 07 | | ● | | | | | | | | | |
| NEW - PWM Wiper - Medium | CNMG431 - PWM | .016 | .004 ~ .020 | .020 ~ .138 | ● 1940 | | | | ● 2593197720 46 | | ● | | | | | | | | | |
| | CNMG432 - PWM | .031 | .004 ~ .020 | .031 ~ .138 | ● 2047 | | | | ● 2595125113 19 | | ● | | | | | | | | | |
| | CNMG433 - PWM | .047 | .004 ~ .020 | .039 ~ .138 | ● 1697 | | | | ● 2597195019 51 | | ● | | | | | | | | | |
| - UC Cast iron and Medium roughing | CNMG431 - UC | .016 | .008 ~ .016 | .020 ~ .157 | ● 089500960115 | ○ | ○ | | ● 2372010101 16 | | ● | | | | | | | | | |
| | CNMG432 - UC | .031 | .008 ~ .016 | .039 ~ .157 | ● 148300620117 | ○ | ○ | | ● 2172010201 18 | | ● | | | | | | | | | |
| | CNMG433 - UC | .047 | .008 ~ .016 | .059 ~ .157 | ● 087300880119 | ○ | ○ | | ● 2185010301 20 | | ● | | | | | | | | | |
| - UR Roughing | CNMG432 - UR | .031 | .012 ~ .020 | .039 ~ .197 | ● 153610500195 | ○ | ○ | | ● 219601960197 | | ● | | | | | | | | | |
| | CNMG433 - UR | .047 | .012 ~ .020 | .059 ~ .197 | ● 087810510204 | ○ | ○ | | ● 2179020502060004 | | ● | ● | ○ | | | | | | | |
| | CNMG434 - UR | .063 | .012 ~ .020 | .079 ~ .197 | ● 153010760707 | ○ | ○ | | ● 221306230847 | | ● | | | | | | | | | |
| | CNMG542 - UR | .031 | .012 ~ .020 | .039 ~ .197 | ● 166810791080 | ○ | ○ | | ● 242607500751 | | ● | | | | | | | | | |
| | CNMG543 - UR | .047 | .012 ~ .020 | .059 ~ .197 | ● 088207920532 | ○ | ○ | | ● 219705090533 | | ● | | | | | | | | | |
| | CNMG544 - UR | .063 | .012 ~ .020 | .079 ~ .197 | ● 093806760536 | ○ | ○ | | ● 218705110537 | | ● | | | | | | | | | |
| | CNMG642 - UR | .031 | .012 ~ .031 | .118 ~ .354 | ● 1848 | | ○ 0804 | | ● 242708050806 | | ● | | | | | | | | | |
| | CNMG643 - UR | .047 | .012 ~ .031 | .118 ~ .354 | ● 182904500451 | ○ | ○ | | ● 235506980699 | | ● | | | | | | | | | |
| | CNMG644 - UR | .063 | .012 ~ .031 | .118 ~ .354 | ● 183004800481 | ○ | ○ | | ● 258307340735 | | ● | | | | | | | | | |
| - KR Cast Iron Heavy Roughing | CNMG432 - KR | .031 | .012 ~ .024 | .039 ~ .197 | ● 150307180800 | ○ | ○ | | ● 2594 | | | | | | | | | | | |
| | CNMG433 - KR | .047 | .012 ~ .024 | .059 ~ .197 | ● 087907191100 | ○ | ○ | | ● 2596 | | | | | | | | | | | |
| | CNMG543 - KR | .047 | .012 ~ .024 | .059 ~ .236 | ● 1504 | | ○ 1092 | | ● 2581 | | | | | | | | | | | |
| | CNMG544 - KR | .063 | .012 ~ .024 | .079 ~ .236 | ● 1588 | | ○ 1094 | | ● 2582 | | | | | | | | | | | |
| | CNMG643 - KR | .047 | .012 ~ .039 | .118 ~ .354 | ● 2264 | | | | ● 2602 | | | | | | | | | | | |

Turning Inserts - Negative

# CNMG (80˚ Rhombic)




| Series | IC | S | Series | IC | S |
|---|---|---|---|---|---|
| CN** 32 | 3/8 | 1/8 | CN** 54 | 5/8 | 1/4 |
| CN** 33 | 3/8 | 3/16 | CN** 64 | 3/4 | 1/4 |
| CN** 43 | 1/2 | 3/16 | CN** 86 | 1.0 | 3/8 |

EDP 2200.. ●: Stock item ○: Order made item

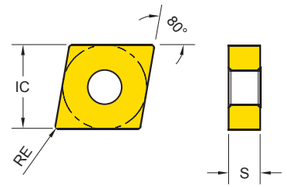
| CNMG | | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| - MF | Stainless steel Finishing | CNMG431 - MF | .016 | .003 ~ .012 | .008 ~ .059 | | | | | | ○ 1185 | ○ 1237 | | ● 2451 | ● 0609 | ● 0613 | ● 1708 | ○ 2271 | | | |
| | | CNMG432 - MF | .031 | .003 ~ .012 | .008 ~ .059 | | | | | | | ○ 0652 | | ● 2452 | ● 0538 | ● 0539 | ● 0627 | ○ 2272 | | | |
| | | CNMG433 - MF | .047 | .003 ~ .012 | .008 ~ .059 | | | | | | | ○ 1025 | | ● 2453 | | | ● 1139 | | | | |
| - MM | Stainless steel Medium | CNMG431 - MM | .016 | .008 ~ .014 | .020 ~ .138 | | | | | | | | | | ● 0547 | ● 0548 | ● 1709 | ○ 2286 | | | |
| | | CNMG432 - MM | .031 | .008 ~ .014 | .039 ~ .138 | | | | | | ○ 0360 | ○ 0188 | | | ● 0494 | ● 0495 | ● 0607 | ○ 2287 | | | |
| | | CNMG433 - MM | .047 | .008 ~ .014 | .059 ~ .138 | | | | | | | ○ 0521 | | | ● 0549 | ● 0550 | ● 0626 | ○ 2288 | | | |
| | | CNMG642 - MM | .031 | .008 ~ .020 | .079 ~ .217 | | | | | | | | | | ● 1969 | ● 1970 | ● 1933 | | | | |
| | | CNMG643 - MM | .047 | .008 ~ .022 | .079 ~ .217 | | | | | | | | | | ● 1971 | ● 1972 | ● 1934 | | | | |
| - MG | Stainless steel General | CNMG431 - MG | .016 | .008 ~ .016 | .020 ~ .157 | | | | | | | | | ● 2465 | | | | | | | |
| | | CNMG432 - MG | .031 | .008 ~ .016 | .039 ~ .157 | | | | | | | ○ 1371 | | ● 2468 | ● 1490 | ● 1491 | ● 1090 | ● 1222 | | | |
| | | CNMG433 - MG | .047 | .008 ~ .016 | .059 ~ .157 | | | | | | | | | ● 2469 | ● 1493 | ● 1494 | ● 0928 | ● 1221 | | | |
| | | CNMG542 - MG | .031 | .008 ~ .018 | .039 ~ .157 | | | | | | | | | | ● 1921 | ● 1917 | ● 1919 | ● 1812 | | | |
| | | CNMG543 - MG | .047 | .008 ~ .020 | .079 ~ .157 | | | | | | | | | | ● 1922 | ● 1918 | ● 1920 | ● 1813 | | | |
| | | CNMG544 - MG | .063 | .008 ~ .020 | .079 ~ .157 | | | | | | | | | | ● 1929 | ● 1930 | ● 1535 | ● 1540 | | | |
| | | CNMG644 - MG | .063 | .008 ~ .020 | .079 ~ .197 | | | | | | | | | | ● 1931 | ● 1932 | ● 1534 | ● 1541 | | | |
| - MR | Stainless steel Roughing | CNMG432 - MR | .031 | .012 ~ .022 | .079 ~ .217 | | | | | | | ○ 0594 | | | ● 0540 | ● 0540 | ● 1060 | 8 | | | |
| | | CNMG433 - MR | .047 | .012 ~ .022 | .079 ~ .217 | | | | | | ○ 0839 | ○ 0840 | | ● 2480 | ● 0610 | ● 0610 | ● 1406 | 28 | | | |
| | | CNMG434 - MR | .063 | .012 ~ .022 | .079 ~ .217 | | | | | | | | | | ● 1893 | ● 1894 | ● 1895 | | | | |





Turning Inserts - Negative

# CNGG / CNMG (80˚ Rhombic)



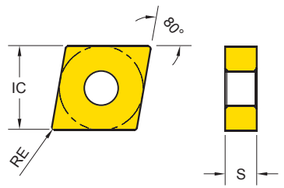

| Series | IC | S | Series | IC | S |
|---|---|---|---|---|---|
| CN** 32 | 3/8 | 1/8 | CN** 54 | 5/8 | 1/4 |
| CN** 33 | 3/8 | 3/16 | CN** 64 | 3/4 | 1/4 |
| CN** 43 | 1/2 | 3/16 | CN** 86 | 1.0 | 3/8 |

EDP 2200.. ●: Stock item ○: Order made item

| CNGG CNMG | | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| - SF | HRSA Finishing | CNGG430 - SF | .004 | .004 ~ .010 | .004 ~ .039 | | | | | | | | | | | | | ● 1882 | | | |
| | | CNGG430.5 - SF | .008 | .004 ~ .010 | .004 ~ .039 | | | | | | | | | | | | | ● 2097 | | | |
| | | CNGG431 - SF | .016 | .004 ~ .010 | .008 ~ .039 | | | | | | | | | | | | | ● 1291 | | | |
| | | CNGG432 - SF | .031 | .004 ~ .010 | .008 ~ .039 | | | | | | | | | | | | | ● 0943 | | | |
| - SM | HRSA Medium | CNMG432 - SM | .031 | .006 ~ .012 | .020 ~ .118 | | | | | | | | | | ○ 1088 | ○ 1089 | ○ 1395 | ● 1189 | | | |
| | | CNMG433 - SM | .047 | .006 ~ .012 | .020 ~ .118 | | | | | | | | | | ○ 1373 | ○ 1394 | ○ 2305 | ● 1292 | | | |
| - SR | HRSA Roughing | CNMG432 - SR | .031 | .012 ~ .022 | .079 ~ .217 | | | | | | | | | | | | | ● 0945 | | | |
| | | CNMG433 - SR | .047 | .012 ~ .022 | .079 ~ .217 | | | | | | | | | | | | | ● 1279 | | | |
| | | CNMG434 - SR | .063 | .012 ~ .022 | .079 ~ .217 | | | | | | | | | | | | | ● 1912 | | | |
| NEW - PSF | Cermet Finishing | CNMG431 - PSF | .016 | .003 ~ .012 | .016 ~ .118 | | | | | | | | | | | | | | ● 2531 | | |
| | | CNMG432 - PSF | .031 | .004 ~ .014 | .024 ~ .118 | | | | | | | | | | | | | | ● 2532 | | |

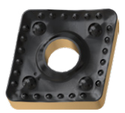
Turning Inserts - Negative

# CNMG / CNMM - Heavy Turning (80˚ Rhombic)




| Series | IC | S | Series | IC | S |
|---|---|---|---|---|---|
| CN** 32 | 3/8 | 1/8 | CN** 54 | 5/8 | 1/4 |
| CN** 33 | 3/8 | 3/16 | CN** 64 | 3/4 | 1/4 |
| CN** 43 | 1/2 | 3/16 | CN** 86 | 1.0 | 3/8 |

EDP 2200.. ●: Stock item ○: Order made item

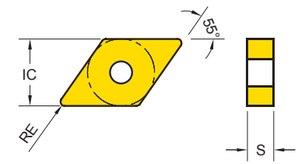
| CNMG CNMM | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| NEW - UH  Low cutting force | CNMM432 - UH | .031 | .012 ~ .020 | .059 ~ .197 | | | | | | ● 2320 | ● 2321 | | | | | | | | | |
| | CNMM543 - UH | .047 | .014 ~ .024 | .079 ~ .217 | | | | | | ● 2316 | ● 2317 | | | | | | | | | |
| | CNMM544 - UH | .063 | .014 ~ .024 | .098 ~ .217 | | | | | | ● 2318 | ● 2319 | | | | | | | | | |
| | CNMM643 - UH | .047 | .014 ~ .028 | .059 ~ .354 | ● 2107 | | ● 2108 | | | ● 2113 | ● 2114 | | | | | | | | | |
| | CNMM644 - UH | .063 | .014 ~ .028 | .079 ~ .354 | ● 2115 | | ● 2116 | | | ● 2117 | ● 2118 | | | | | | | | | |
| | CNMM646 - UH | .094 | .014 ~ .028 | .118 ~ .354 | ● 2109 | | ● 2110 | | | ● 2111 | ● 2112 | | | | | | | | | |
| | CNMM866 - UH | .094 | .016 ~ .031 | .118 ~ .394 | ● 2119 | | ● 2120 | | | ● 2121 | ● 2122 | | | | | | | | | |
| - UR Roughing | CNMM644 - UR | .063 | .012 ~ .031 | .118 ~ .354 | | | | | | ● 0925 | ● 0926 | | | | | | | | | |
| | CNMM866 - UR | .094 | .016 ~ .039 | .197 ~ .472 | | | | | ● 2604 | ● 1687 | ● 1464 | | | | | | | | | |
| NEW - UT Heavy Roughing | CNMM432 - UT | .031 | .016 ~ .028 | .059 ~ .236 | | | | | | ● 2322 | ● 2323 | | | | | | | | | |
| | CNMM543 - UT | .047 | .018 ~ .028 | .079 ~ .236 | | | | | | ● 2335 | ● 2336 | | | | | | | | | |
| | CNMM544 - UT | .063 | .018 ~ .028 | .098 ~ .236 | | | | | | ● 2324 | ● 2325 | | | | | | | | | |
| | CNMM643 - UT | .047 | .020 ~ .039 | .118 ~ .472 | ● 2139 | | ● 2140 | | | ● 2141 | ● 2142 | | | | | | | | | |
| | CNMM644 - UT | .063 | .020 ~ .039 | .157 ~ .472 | ● 2143 | | ● 2144 | | | ● 2145 | ● 2146 | | | | | | | | | |
| | CNMM646 - UT | .094 | .020 ~ .039 | .236 ~ .472 | ● 2147 | | ● 2148 | | | ● 2149 | ● 2150 | | | | | | | | | |
| | CNMM866 - UT | .094 | .022 ~ .047 | .236 ~ .512 | ● 2151 | | ● 2152 | | | ● 2021 | ● 2022 | | | | | | | | | |





Turning Inserts - Negative

# DNMA / DNMG (55˚ Rhombic)



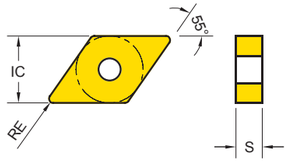

| Series | IC | S |
|---|---|---|
| DN.. 33 | 3/8 | 3/16 |
| DN.. 43 | 1/2 | 3/16 |
| DN.. 44 | 1/2 | 1/4 |

EDP 2200.. ●: Stock item ○: Order made item

| DNMA DNMG | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| ..MA Cast iron | DNMA431 | .016 | .004 ~ .020 | .020 ~ .197 | ● 1558 | ○ 1505 | ○ 1506 | | | | | | | | | | | | | |
| | DNMA432 | .031 | .006 ~ .020 | .039 ~ .197 | ● 1559 | ○ 0573 | ○ 0574 | | | | | | | | | | | | | |
| | DNMA433 | .047 | .006 ~ .020 | .059 ~ .197 | ● 1421 | ○ 0575 | ○ 0576 | | | | | | | | | | | | | |
| | DNMA441 | .016 | .004 ~ .020 | .020 ~ .197 | ● 1581 | ○ 1445 | ○ 1447 | | | | | | | | | | | | | |
| | DNMA442 | .031 | .006 ~ .020 | .039 ~ .197 | ● 1557 | ○ 0911 | ○ 1129 | | | | | | | | | | | | | |
| | DNMA443 | .047 | .006 ~ .020 | .059 ~ .197 | ● 1422 | ○ 0092 | ○ 1130 | | | | | | | | | | | | | |
| - UF Finishing | DNMG431 - UF | .016 | .002 ~ .010 | .020 ~ .098 | | | ○ 0363 | | ● 2220 | ● 0364 | ● 0365 | ○ 0016 | | | | | | | | |
| | DNMG432 - UF | .031 | .002 ~ .010 | .039 ~ .098 | | | ○ 0856 | ○ 1030 | ● 2221 | ● 0774 | ● 0857 | | | | | | | | | |
| | DNMG433 - UF | .047 | .002 ~ .010 | .059 ~ .098 | | | ○ 1450 | | ● 2584 | ● 1368 | ● 1383 | | | | | | | | | |
| | DNMG441 - UF | .016 | .002 ~ .010 | .020 ~ .098 | | | ○ 0225 | | ● 2398 | ● 0226 | ● 0227 | ○ 0018 | | | | | | | | |
| | DNMG442 - UF | .031 | .002 ~ .010 | .039 ~ .098 | | | ○ 0231 | | ● 2419 | ● 0232 | ● 0233 | | | | | | | | | |
| | DNMG443 - UF | .047 | .002 ~ .010 | .059 ~ .098 | | | ○ 1385 | | ● 2610 | ● 1369 | ● 1386 | | | | | | | | | |
| - UL Light Machining and Sticky Material | DNMG331 - UL | .016 | .004 ~ .012 | .020 ~ .098 | | | ○ 1239 | | ● 2606 | ● 1240 | ● 1241 | | | | | | | | | |
| | DNMG332 - UL | .031 | .004 ~ .012 | .039 ~ .098 | | | ○ 1242 | | ● 2607 | ● 1243 | ● 1244 | | | | | | | | | |
| | DNMG431 - UL | .016 | .004 ~ .012 | .020 ~ .118 | | | ○ 0686 | | ● 2444 | ● 0687 | ● 0708 | | | | | | | | | |
| | DNMG432 - UL | .031 | .004 ~ .012 | .039 ~ .118 | | | ○ 0489 | ○ 1028 | ● 2337 | ● 0504 | ● 0505 | | | | | | | | | |
| | DNMG433 - UL | .047 | .004 ~ .012 | .059 ~ .118 | | | ○ 0709 | ○ 1029 | ● 2314 | ● 1108 | ● 1109 | | | | | | | | | |
| | DNMG441 - UL | .016 | .004 ~ .012 | .020 ~ .118 | | | ○ 0369 | | ● 2404 | ● 0370 | ● 1110 | | | | | | | | | |
| | DNMG442 - UL | .031 | .004 ~ .012 | .039 ~ .118 | | | ○ 0237 | | ● 2214 | ● 0238 | ● 0239 | | | | | | | | | |
| | DNMG443 - UL | .047 | .004 ~ .012 | .059 ~ .118 | | | ○ 0246 | | ● 2611 | ● 0247 | ● 0248 | | | | | | | | | |

Turning Inserts - Negative

# DNMG (55° Rhombic)




| Series | IC | S |
|---|---|---|
| DN.. 33 | 3/8 | 3/16 |
| DN.. 43 | 1/2 | 3/16 |
| DN.. 44 | 1/2 | 1/4 |

EDP 2200.. ●: Stock item ○: Order made item

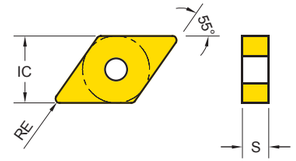
| DNMG | | | | | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Designation | RE | Fn (In/rev.) | Ap (In) | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| - UM Medium Machining Unstable condition | DNMG431 - UM | .016 | .006 ~ .012 | .020 ~ .118 | ○ 1672 | | ○ 1702 | | ● 260817 | ● 031707 | ● 031707 | | | | | | | | | |
| | DNMG432 - UM | .031 | .006 ~ .012 | .039 ~ .118 | | ○ 110606 | ○ 88 | | ● 2360068 | ● 9070 | ● 1 | | | | | | | | | |
| | DNMG433 - UM | .047 | .006 ~ .012 | .059 ~ .118 | | ○ 060405 | ○ 12 | | ● 2203048 | ● 8070 | ● 5 | | | | | | | | | |
| | DNMG441 - UM | .016 | .006 ~ .012 | .020 ~ .118 | | ○ 140814 | ○ 36 | | ● 2609140 | ● 9142 | ● 5 | | | | | | | | | |
| | DNMG442 - UM | .031 | .006 ~ .012 | .039 ~ .118 | | ○ 112802 | ○ 40 | | ● 2201024 | ● 1024 | ● 2 | | | | | | | | | |
| | DNMG443 - UM | .047 | .006 ~ .012 | .059 ~ .118 | | ○ 114911 | ○ 32 | | ● 2612069 | ● 5070 | ● 6 | | | | | | | | | |
| - UG Medium Machining at stable condition | DNMG431 - UG | .016 | .008 ~ .016 | .020 ~ .118 | ● 1618 | | ○ 1131 | | ● 2443077 | ● 2113 | ● 7 | | | | | | | | | |
| | DNMG432 - UG | .031 | .008 ~ .016 | .039 ~ .118 | ● 1608045 | ○ 20 | ○ 366 | | ● 2368036 | ● 7036 | ● 8 | ○ 0017 | | | | | | | | |
| | DNMG433 - UG | .047 | .008 ~ .016 | .059 ~ .118 | ● 1514070 | ○ 31 | ○ 1107 | | ● 2442048 | ● 7070 | ● 4 | | | | | | | | | |
| | DNMG441 - UG | .016 | .008 ~ .016 | .020 ~ .118 | ● 1619 | | ○ 0228 | | ● 2375022 | ● 9023 | ● 0 | | | | | | | | | |
| | DNMG442 - UG | .031 | .008 ~ .016 | .039 ~ .118 | ● 1609045 | ○ 30 | ○ 234 | | ● 2212023 | ● 5023 | ● 6 | ○ 0019 | | | | | | | | |
| | DNMG443 - UG | .047 | .008 ~ .016 | .059 ~ .118 | ● 1511045 | ○ 40 | ○ 243 | | ● 2356024 | ● 4024 | ● 5 | | | | | | | | | |
| - UC Cast iron and Medium roughing | DNMG432 - UC | .031 | .008 ~ .016 | .039 ~ .157 | ● 1611057 | ○ 70 | ○ 57 | ○ 81 | ● 2732388 | ● 1193 | ● 0700 | | | | | | | | | |
| | DNMG433 - UC | .047 | .008 ~ .016 | .059 ~ .157 | ● 1512057 | ○ 90 | ○ 580 | | ● 2373116 | ● 8070 | ● 2 | | | | | | | | | |
| | DNMG442 - UC | .031 | .008 ~ .016 | .039 ~ .157 | ● 0898009 | ○ 00 | ○ 12 | ○ 11 | ● 2722376 | ● 0104 | ● 0122 | | | | | | | | | |
| | DNMG443 - UC | .047 | .008 ~ .016 | .059 ~ .157 | ● 1509009 | ○ 80 | ○ 123 | | ● 2410010 | ● 5012 | ● 4 | | | | | | | | | |
| - UR Roughing | DNMG432 - UR | .031 | .012 ~ .020 | .039 ~ .197 | ● 1621109 | ○ 50 | ○ 585 | | ● 2446109 | ● 6109 | ● 7 | | | | | | | | | |
| | DNMG433 - UR | .047 | .012 ~ .020 | .059 ~ .197 | ● 1513112 | ○ 70 | ○ 581 | | ● 2400113 | ● 4110 | ● 1 | | | | | | | | | |
| | DNMG442 - UR | .031 | .012 ~ .020 | .039 ~ .197 | ● 1622069 | ○ 10 | ○ 692 | | ● 2447069 | ● 3085 | ● 4 | | | | | | | | | |
| | DNMG443 - UR | .047 | .012 ~ .020 | .059 ~ .197 | ● 1510125 | ○ 80 | ○ 371 | | ● 2416037 | ● 2037 | ● 3 | ○ 0020 | | | | | | | | |





Turning Inserts - Negative

# DNMG (55° Rhombic)



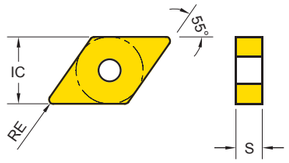

| Series | IC | S |
|---|---|---|
| DN.. 33 | 3/8 | 3/16 |
| DN.. 43 | 1/2 | 3/16 |
| DN.. 44 | 1/2 | 1/4 |

EDP 2200.. ●: Stock item ○: Order made item

| DNMG | | | | | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Designation | RE | Fn (In/rev.) | Ap (In) | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| - MF Stainless steel Finishing | DNMG431 - MF | .016 | .003 ~ .012 | .008 ~ .059 | | | | | | | | | ● 2454084 | ● 8077 | ● 1181 | ● 5227 | ○ 3 | | | |
| | DNMG432 - MF | .031 | .003 ~ .012 | .008 ~ .059 | | | | | | | ○ 0807 | | ● 2456084 | ● 9077 | ● 3181 | ● 6227 | ○ 4 | | | |
| | DNMG441 - MF | .016 | .003 ~ .012 | .008 ~ .059 | | | | | | | | | ● 2455081 | ● 1085 | ● 0181 | ● 9194 | ○ 5 | | | |
| | DNMG442 - MF | .031 | .003 ~ .012 | .008 ~ .059 | | | | | | ○ 1202 | ○ 0813 | | ● 2457081 | ● 2085 | ● 9182 | ● 0227 | ○ 5 | | | |
| - MM Stainless steel Medium | DNMG431 - MM | .016 | .008 ~ .014 | .020 ~ .138 | | | | | | | ○ 0527 | | ● 0551055 | ● 2171 | ● 0228 | 9 | ○ | | | |
| | DNMG432 - MM | .031 | .008 ~ .014 | .039 ~ .138 | | | | | | | ○ 0506 | | ● 0513051 | ● 4178 | ● 8229 | 0 | ○ | | | |
| | DNMG433 - MM | .047 | .008 ~ .014 | .059 ~ .138 | | | | | | | ○ 0529 | | ● 0561056 | ● 2171 | ● 1229 | 1 | ○ | | | |
| | DNMG441 - MM | .016 | .008 ~ .014 | .020 ~ .138 | | | | | | | ○ 0528 | | ● 0553055 | ● 4171 | ● 2229 | 2 | ○ | | | |
| | DNMG442 - MM | .031 | .008 ~ .014 | .039 ~ .138 | | | | | | | ○ 0507 | | ● 0515051 | ● 6069 | ● 0229 | 3 | ○ | | | |
| | DNMG443 - MM | .047 | .008 ~ .014 | .059 ~ .138 | | | | | | | ○ 0496 | | ● 0563056 | ● 4069 | ● 4229 | 4 | ○ | | | |
| - MG Stainless steel General | DNMG431 - MG | .016 | .008 ~ .016 | .020 ~ .157 | | | | | | | | | ● 2466 | | | | | | | |
| | DNMG432 - MG | .031 | .008 ~ .016 | .039 ~ .157 | | | | | | | | | ● 2470156 | ● 1156 | ● 2156 | ● 3156 | ● 0 | | | |
| | DNMG433 - MG | .047 | .008 ~ .016 | .059 ~ .157 | | | | | | | | | ● 2483 | | | | | | | |
| | DNMG441 - MG | .016 | .008 ~ .016 | .020 ~ .157 | | | | | | | | | ● 2467 | | | | | | | |
| | DNMG442 - MG | .031 | .008 ~ .016 | .039 ~ .157 | | | | | | | | | ● 2471156 | ● 5156 | ● 6156 | ● 7156 | ● 4 | | | |
| | DNMG443 - MG | .047 | .008 ~ .016 | .059 ~ .157 | | | | | | | | | ● 2484 | | | | | | | |
| - MR Stainless steel Roughing | DNMG432 - MR | .031 | .012 ~ .022 | .079 ~ .217 | | | | | | | ○ 1036 | | ● 2492091 | ● 4080 | ● 8080 | ● 9 | | | | |
| | DNMG433 - MR | .047 | .012 ~ .022 | .079 ~ .217 | | | | | | | | | ● 0929093 | ● 0081 | ● 0 | | | | | |
| | DNMG442 - MR | .031 | .012 ~ .022 | .079 ~ .217 | | | | | | | ○ 1037 | | ● 2481086 | ● 0081 | ● 4081 | ● 5 | | | | |
| | DNMG443 - MR | .047 | .012 ~ .022 | .079 ~ .217 | | | | | | | | | ● 0861086 | ● 2081 | ● 6 | | | | | |

Turning Inserts - Negative

# DNGG / DNMG (55˚ Rhombic)




| Series | IC | S |
|---|---|---|
| DN.. 33 | 3/8 | 3/16 |
| DN.. 43 | 1/2 | 3/16 |
| DN.. 44 | 1/2 | 1/4 |

EDP 2200.. ●: Stock item ○: Order made item

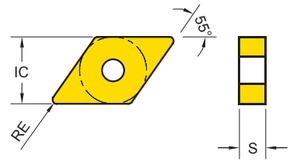
| DNGG DNMG | | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| - SF | HRSA Finishing | DNGG431 - SF | .016 | .004 ~ .010 | .008 ~ .039 | | | | | | | | | | | | | ● 1295 | | | |
| | | DNGG432 - SF | .031 | .004 ~ .010 | .008 ~ .039 | | | | | | | | | | | | | ● 1293 | | | |
| | | DNGG441 - SF | .016 | .004 ~ .010 | .008 ~ .039 | | | | | | | | | | | | | ● 1296 | | | |
| | | DNGG442 - SF | .031 | .004 ~ .010 | .008 ~ .039 | | | | | | | | | | | | | ● 1294 | | | |
| - SM | HRSA Medium | DNMG432 - SM | .031 | .006 ~ .012 | .020 ~ .118 | | | | | | | | | | ○ 1417 | ○ 1412 | ○ 1817 | ● 1300 | | | |
| | | DNMG433 - SM | .047 | .006 ~ .012 | .020 ~ .118 | | | | | | | | | | ○ 1419 | ○ 1413 | ○ 1818 | ● 1303 | | | |
| | | DNMG442 - SM | .031 | .006 ~ .012 | .020 ~ .118 | | | | | | | | | | ○ 1418 | ○ 1414 | ○ 1821 | ● 1301 | | | |
| | | DNMG443 - SM | .047 | .006 ~ .012 | .020 ~ .118 | | | | | | | | | | ○ 1420 | ○ 1415 | ○ 1822 | ● 1302 | | | |
| - SR | HRSA Roughing | DNMG432 - SR | .031 | .012 ~ .022 | .079 ~ .217 | | | | | | | | | | | | | ● 1298 | | | |
| | | DNMG433 - SR | .047 | .012 ~ .022 | .079 ~ .217 | | | | | | | | | | | | | ● 1297 | | | |
| | | DNMG442 - SR | .031 | .012 ~ .022 | .079 ~ .217 | | | | | | | | | | | | | ● 1280 | | | |
| | | DNMG443 - SR | .047 | .012 ~ .022 | .079 ~ .217 | | | | | | | | | | | | | ● 1299 | | | |
| NEW - PSF | Cermet Finishing | DNMG431 - PSF | .016 | .003 ~ .012 | .016 ~ .118 | | | | | | | | | | | | | | ● 2533 | | |
| | | DNMG432 - PSF | .031 | .004 ~ .012 | .024 ~ .118 | | | | | | | | | | | | | | ● 2534 | | |





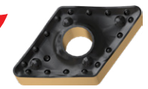
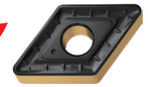
Turning Inserts - Negative

# DNMM - Heavy Turning (55˚ Rhombic)



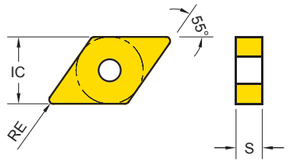

| Series | IC | S |
|---|---|---|
| DN.. 33 | 3/8 | 3/16 |
| DN.. 43 | 1/2 | 3/16 |
| DN.. 44 | 1/2 | 1/4 |

EDP 2200.. ●: Stock item ○: Order made item

| DNMM | | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| NEW - UH |  Low cutting force | DNMM443 - UH | .047 | .012 ~ .020 | .079 ~ .276 | | | | | | ● 2327 | ● 2328 | | | | | | | | | |
| NEW - UT |  Heavy Roughing | DNMM443 - UT | .047 | .016 ~ .028 | .079 ~ .315 | | | | | | ● 2329 | ● 2330 | | | | | | | | | |

Turning Inserts - Negative

# DNUX (4 Corners 55° Rhombic)




| Series | LE | IC | S |
|---|---|---|---|
| DNUX.. 43 | .512 | 1/2 | 3/16 |
| DNUX.. 44 | .512 | 1/2 | 1/4 |

EDP 2200.. ●: Stock item ○: Order made item

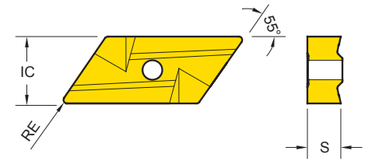
| DNUX | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| NEW ..UX Left Hand Shown | DNUX431L | .016 | .004~.014 | .028~.157 | | | ○ 1874 | | ● 2613 | ● 1872 | ● 1875 | | | | | | | | | |
| | DNUX432L | .031 | .004~.014 | .039~.157 | | | ○ 1876 | | ● 2615 | ● 1877 | ● 1878 | | | | | | | | | |
| | DNUX441L | .016 | .004~.014 | .028~.157 | | | ○ 1873 | | ● 2617 | ● 1869 | ● 1870 | | | | | | | | | |
| | DNUX442L | .031 | .004~.014 | .039~.157 | | | ○ 1879 | | ● 2619 | ● 1871 | ● 1880 | | | | | | | | | |
| NEW ..UX Right Hand Shown | DNUX431R | .016 | .004~.014 | .028~.157 | | | ○ 1628 | | ● 2614 | ● 1555 | ● 1629 | | | | | | | | | |
| | DNUX432R | .031 | .004~.014 | .039~.157 | | | ○ 1630 | | ● 2616 | ● 1631 | ● 1632 | | | | | | | | | |
| | DNUX441R | .016 | .004~.014 | .028~.157 | | | ○ 1625 | | ● 2618 | ● 1322 | ● 1323 | | | | ● 1327 | ● 1321 | ● 2052 | | | |
| | DNUX442R | .031 | .004~.014 | .039~.157 | | | ○ 1633 | | ● 2620 | ● 1546 | ● 1634 | | | ● 1948 | ● 1547 | | ● 1574 | | | |





Turning Inserts - Negative

# KNUX (2 Corners 55° Rhombic)



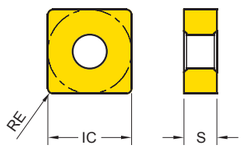

| Series | LE | S |
|---|---|---|
| KN** 1604 | .591 | 3/16 |

EDP 2200.. ●: Stock item ○: Order made item

| KNUX | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| ..UX Left Hand Shown | KNUX160405L | .020 | .004~.016 | .020~.236 | | | ○ 0249 | | ● 2621 | ● 0250 | ● 0251 | ○ 0079 | | | | | | | | |
| | KNUX160410L | .039 | .012~.024 | .039~.236 | | | ○ 1785 | | ● 2622 | ● 1786 | ● 1315 | | | | | | | | | |
| ..UX Right Hand Shown | KNUX160405R | .020 | .004~.016 | .020~.236 | | | ○ 0252 | | ● 2408 | ● 0253 | ● 0254 | ○ 0080 | | | | | | | | |
| | KNUX160410R | .039 | .012~.024 | .039~.236 | | | ○ 1358 | | ● 2623 | ● 1155 | ● 1156 | | | | | | | | | |

Turning Inserts - Negative

# SNMA / SNMG (90˚ Square)




| Series | IC | S |
|---|---|---|
| SN** 32 | 3/8 | 1/8 |
| SN** 43 | 1/2 | 3/16 |
| SN** 54 | 5/8 | 1/4 |
| SN** 64 | 3/4 | 1/4 |
| SN** 85 | 1 | 5/16 |
| SN** 86 | 1 | 3/8 |

EDP 2200.. ●: Stock item ○: Order made item

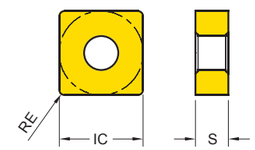
| SNMA SNMG | | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| ..MA | Cast iron | SNMA432 | .031 | .006 ~ .020 | .039 ~ .197 | ● 07670027 | ○ 1166 | ○ | | | | | | | | | | | | | |
| | | SNMA433 | .047 | .006 ~ .020 | .059 ~ .197 | ● 07680028 | ○ 1133 | ○ | | | | | | | | | | | | | |
| | | SNMA434 | .047 | .006 ~ .020 | .071 ~ .197 | ● 2023 | | | | | | | | | | | | | | | |
| | | SNMA543 | .047 | .006 ~ .020 | .059 ~ .197 | ● 14230729 | ○ 1150 | ○ | | | | | | | | | | | | | |
| | | SNMA644 | .063 | .006 ~ .020 | .079 ~ .354 | ● 13441184 | ○ 1261 | ○ | | | | | | | | | | | | | |
| - UF | Finishing | SNMG322 - UF | .031 | .002 ~ .008 | .039 ~ .079 | | | | | ● 26300999 | | | | | | | | | | | |
| | | SNMG431 - UF | .016 | .002 ~ .010 | .020 ~ .098 | | | ○ 1458 | | ● 2631 | ● 1459 | ● 1454 | ○ 0029 | | | | | | | | |
| | | SNMG432 - UF | .031 | .002 ~ .010 | .039 ~ .098 | | | ○ 1430 | | ● 2633 | ● 1433 | ● 1437 | | | | | | | | | |
| - UL | Light Machining and Sticky Material | SNMG431 - UL | .016 | .004 ~ .012 | .020 ~ .118 | | | ○ 1167 | | ● 2632 | ● 0747 | ● 1194 | | | | | | | | | |
| | | SNMG432 - UL | .031 | .004 ~ .012 | .039 ~ .118 | | | ○ 0389 | | ● 2634 | ● 0390 | ● 0391 | | | | | | | | | |
| - UM | Medium Machining Unstable condition | SNMG432 - UM | .031 | .006 ~ .012 | .039 ~ .118 | | | ○ 0983 | ○ 0739 | ● 2635 | ● 0784 | ● 0740 | | | | | | | | | |





Turning Inserts - Negative

# SNMG (90˚ Square)



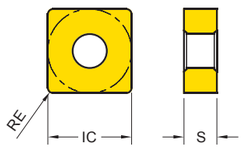

| Series | IC | S |
|---|---|---|
| SN** 32 | 3/8 | 1/8 |
| SN** 43 | 1/2 | 3/16 |
| SN** 54 | 5/8 | 1/4 |
| SN** 64 | 3/4 | 1/4 |
| SN** 85 | 1 | 5/16 |
| SN** 86 | 1 | 3/8 |

EDP 2200.. ●: Stock item ○: Order made item

| SNMG | | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| - UG | Medium Machining at stable condition | SNMG432 - UG | .031 | .008 ~ .016 | .039 ~ .118 | ● 16101190 | ○ 0141 | ○ | | ● 2361014 | ● 2014 | ● 3003 | ○ 0 | | | | | | | | |
| | | SNMG433 - UG | .047 | .008 ~ .016 | .059 ~ .118 | ● 16401164 | ○ 0258 | ○ | | ● 2411025 | ● 9026 | ● 0 | | | | | | | | | |
| | | SNMG434 - UG | .063 | .008 ~ .016 | .079 ~ .118 | ● 16461165 | ○ 0744 | ○ 0789 | ○ | ● 2638116 | ● 9119 | ● 5 | | | | | | | | | |
| - UC | Cast iron and Medium roughing | SNMG432 - UC | .031 | .008 ~ .016 | .039 ~ .157 | ● 14880073 | ○ 0125 | ○ | | ● 2405010 | ● 6012 | ● 6 | | | | | | | | | |
| | | SNMG433 - UC | .047 | .008 ~ .016 | .059 ~ .157 | ● 09000074 | ○ 0127 | ○ | | ● 2429010 | ● 7012 | ● 8 | | | | | | | | | |
| - UR | Roughing | SNMG432 - UR | .031 | .012 ~ .020 | .039 ~ .197 | ● 16231163 | ○ 0392 | ○ | | ● 2401039 | ● 3039 | ● 4 | | | | | | | | | |
| | | SNMG433 - UR | .047 | .012 ~ .020 | .059 ~ .197 | ● 16241052 | ○ 0261 | ○ | | ● 2585026 | ● 2026 | ● 3003 | ○ 1 | | | | | | | | |
| | | SNMG434 - UR | .063 | .012 ~ .020 | .079 ~ .197 | ● 18370988 | ○ 0974 | ○ 0975 | ○ | ● 2639097 | ● 7109 | ● 7 | | | | | | | | | |
| | | SNMG643 - UR | .047 | .012 ~ .031 | .118 ~ .354 | | | | | ● 2640101 | ● 8102 | ● 6 | | | | | | | | | |
| | | SNMG644 - UR | .063 | .012 ~ .031 | .118 ~ .354 | ● 1838 | | | | ● 2641158 | ● 3158 | ● 4 | | | | | | | | | |
| - KR | Cast Iron Heavy Roughing | SNMG433 - KR | .047 | .012 ~ .024 | .059 ~ .197 | ● 10641063 | ○ 1065 | ○ | | ● 2636 | | | | | | | | | | | |
| | | SNMG434 - KR | .063 | .012 ~ .024 | .079 ~ .197 | ● 12080730 | ○ 0950 | ○ 0965 | ○ | ● 2637 | | | | | | | | | | | |

Turning Inserts - Negative

# SNMG (90˚ Square)




| Series | IC | S |
|---|---|---|
| SN** 32 | 3/8 | 1/8 |
| SN** 43 | 1/2 | 3/16 |
| SN** 54 | 5/8 | 1/4 |
| SN** 64 | 3/4 | 1/4 |
| SN** 85 | 1 | 5/16 |
| SN** 86 | 1 | 3/8 |

EDP 2200..

●: Stock item ○: Order made item

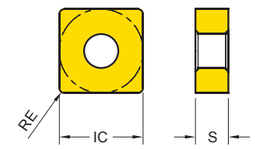
| SNMG | | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| - MF | Stainless steel Finishing | SNMG431 - MF | .016 | .003 ~ .012 | .008 ~ .059 | | | | | | | | | | ● 0978 | ● 0979 | ● 0981 | ○ 2276 | | | |
| | | SNMG432 - MF | .031 | .003 ~ .012 | .008 ~ .059 | | | | | | | ○ 0818 | | ● 2459 | ● 0653 | ● 0654 | ● 0817 | ○ 2277 | | | |
| | | SNMG433 - MF | .047 | .003 ~ .012 | .008 ~ .059 | | | | | | | ○ 0821 | | ● 2460 | ● 0655 | ● 0656 | ● 0820 | ○ 2278 | | | |
| - MM | Stainless steel Medium | SNMG432 - MM | .031 | .008 ~ .014 | .039 ~ .138 | | | | | | | | | | ● 0555 | ● 0556 | ● 1014 | ○ 2295 | | | |
| | | SNMG433 - MM | .047 | .008 ~ .014 | .059 ~ .138 | | | | | | | | | | ● 0565 | ● 0566 | ● 1789 | ○ 2296 | | | |
| - MG | Stainless steel General | SNMG431 - MG | .016 | .008 ~ .016 | .020 ~ .157 | | | | | | | | | | ● 2485 | | | | | | |
| | | SNMG432 - MG | .031 | .008 ~ .016 | .039 ~ .157 | | | | | | | | | | ● 2475 | ● 1804 | ● 1805 | ● 1806 | ● 1695 | | |
| | | SNMG433 - MG | .047 | .008 ~ .016 | .059 ~ .157 | | | | | | | | | | ● 2486 | | | | | | |
| - MR | Stainless steel Roughing | SNMG432 - MR | .031 | .012 ~ .022 | .079 ~ .217 | | | | | | | | ○ 1059 | | ● 2495 | ● 0657 | ● 0658 | ● 0819 | | | |
| | | SNMG433 - MR | .047 | .012 ~ .022 | .079 ~ .217 | | | | | | | | ○ 0823 | | ● 2496 | ● 0659 | ● 0660 | ● 0822 | | | |
| | | SNMG434 - MR | .063 | .012 ~ .022 | .079 ~ .217 | | | | | | | | | | ● 2497 | | | | | | |





Turning Inserts - Negative

# SNMG (90˚ Square)




| Series | IC | S |
|---|---|---|
| SN** 32 | 3/8 | 1/8 |
| SN** 43 | 1/2 | 3/16 |
| SN** 54 | 5/8 | 1/4 |
| SN** 64 | 3/4 | 1/4 |
| SN** 85 | 1 | 5/16 |
| SN** 86 | 1 | 3/8 |

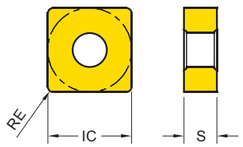
EDP 2200..

●: Stock item ○: Order made item

| SNMG | | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| - SM | HRSA Medium | SNMG321 - SM | .016 | .006 ~ .012 | .020 ~ .118 | | | | | | | | | | ○ 2434 | | | ● 2435 | | | |
| | | SNMG432 - SM | .031 | .006 ~ .012 | .020 ~ .118 | | | | | | | | | | ○ 1801 | ○ 1802 | ○ 1803 | ● 1696 | | | |
| - SR | HRSA Roughing | SNMG432 - SR | .031 | .012 ~ .022 | .079 ~ .217 | | | | | | | | | | | | | ● 1305 | | | |
| | | SNMG433 - SR | .047 | .012 ~ .022 | .079 ~ .217 | | | | | | | | | | | | | ● 1304 | | | |

Turning Inserts - Negative

# SNMG / SNMM - Heavy Turning (90˚ Square)




| Series | IC | S |
|---|---|---|
| SN** 32 | 3/8 | 1/8 |
| SN** 43 | 1/2 | 3/16 |
| SN** 54 | 5/8 | 1/4 |
| SN** 64 | 3/4 | 1/4 |
| SN** 85 | 1 | 5/16 |
| SN** 86 | 1 | 3/8 |

EDP 2200.. ●: Stock item ○: Order made item

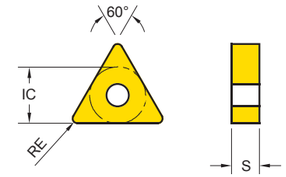
| SNMG SNMM | | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| NEW - UH | Low cutting force | SNMM543 - UH | .047 | .014 ~ .024 | .079 ~ .217 | | | | | | ● 2331 | ● 2332 | | | | | | | | | |
| | | SNMM643 - UH | .047 | .014 ~ .028 | .059 ~ .354 | ● 2123 | | ● 2124 | | | ● 2125 | ● 2126 | | | | | | | | | |
| | | SNMM644 - UH | .063 | .014 ~ .028 | .079 ~ .354 | ● 2127 | | ● 2128 | | | ● 2129 | ● 2130 | | | | | | | | | |
| | | SNMM646 - UH | .094 | .014 ~ .028 | .118 ~ .354 | ● 2131 | | ● 2132 | | | ● 2133 | ● 2134 | | | | | | | | | |
| | | SNMM866 - UH | .094 | .016 ~ .031 | .118 ~ .394 | ● 2135 | | ● 2136 | | | ● 2137 | ● 2138 | | | | | | | | | |
| - UR | Roughing | SNMG866 - UR | .094 | .016 ~ .039 | .197 ~ .472 | | | | | | ● 1370 | ● 1366 | | | | | | | | | |
| NEW - UT | Heavy Roughing | SNMM543 - UT | .047 | .018 ~ .028 | .079 ~ .236 | | | | | | ● 2333 | ● 2334 | | | | | | | | | |
| | | SNMM643 - UT | .047 | .020 ~ .039 | .118 ~ .472 | ● 2153 | | ● 2154 | | | ● 2155 | ● 2156 | | | | | | | | | |
| | | SNMM644 - UT | .063 | .020 ~ .039 | .157 ~ .472 | ● 2157 | | ● 2158 | | | ● 2159 | ● 2160 | | | | | | | | | |
| | | SNMM646 - UT | .094 | .020 ~ .039 | .236 ~ .472 | ● 2161 | | ● 2018 | | | ● 2162 | ● 2163 | | | | | | | | | |
| | | SNMM856 - UT | .094 | .022 ~ .047 | .236 ~ .512 | | | ● 1255 | | | ● 0841 | ● 0842 | | | | | | | | | |
| | | SNMM866 - UT | .094 | .022 ~ .047 | .236 ~ .512 | ● 2164 | | ● 1626 | | | ● 1627 | ● 1213 | | | | | | | | | |





Turning Inserts - Negative

# TNMA / TNMG (60˚ Triangle)




| Series | IC | S |
|---|---|---|
| TN** 33 | 3/8 | 3/16 |
| TN** 43 | 1/2 | 3/16 |

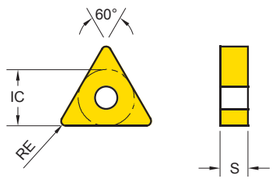
EDP 2200.. ●: Stock item ○: Order made item

| TNMA TNMG | | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| ..MA | Cast iron | TNMA331 | .016 | .006 ~ .020 | .020 ~ .197 | ● 1582 | ○ 1446 | ○ 1448 | | | | | | | | | | | | | |
| | | TNMA332 | .031 | .006 ~ .020 | .039 ~ .197 | ● 1486 | ○ 0351 | ○ 1191 | | | | | | | | | | | | | |
| | | TNMA333 | .047 | .006 ~ .020 | .059 ~ .197 | ● 1485 | ○ 0361 | ○ 1192 | | | | | | | | | | | | | |
| - UF | Finishing | TNMG331 - UF | .016 | .002 ~ .010 | .020 ~ .098 | | | ○ 0270 | | ● 2363 | ● 0271 | ● 0272 | ○ 0039 | | | | | | | | |
| | | TNMG332 - UF | .031 | .002 ~ .010 | .039 ~ .098 | | | ○ 0276 | | ● 2217 | ● 0277 | ● 0278 | | | | | | | | | |
| | | TNMG333 - UF | .047 | .002 ~ .010 | .059 ~ .098 | | | ○ 0721 | | ● 2645 | ● 0588 | ● 1197 | | | | | | | | | |
| | | TNMG431 - UF | .016 | .004 ~ .014 | .020 ~ .157 | | | ○ 0407 | | ● 2409 | ● 1203 | ● 1205 | ○ 0042 | | | | | | | | |
| - UL | Light Machining and Sticky Material | TNMG331 - UL | .016 | .004 ~ .012 | .020 ~ .118 | | | ○ 1605 | | ● 2643 | ● 1606 | ● 1607 | | | | | | | | | |
| | | TNMG332 - UL | .031 | .004 ~ .012 | .039 ~ .118 | | | ○ 0279 | ○ 0752 | ● 2374 | ● 0280 | ● 0281 | | | | | | | | | |
| | | TNMG333 - UL | .047 | .004 ~ .012 | .059 ~ .118 | | | ○ 0884 | ○ 0868 | ● 2586 | ● 0621 | ● 1198 | | | | | | | | | |
| - UM | Medium Machining Unstable condition | TNMG331 - UM | .016 | .006 ~ .012 | .020 ~ .118 | ○ 1669 | ○ 0949 | ○ 0948 | ○ 0844 | ● 2644 | ● 0952 | ● 0954 | | | | | | | | | |
| | | TNMG332 - UM | .031 | .006 ~ .012 | .039 ~ .118 | ○ 1141 | ○ 1053 | ○ 0282 | ○ 0758 | ● 2195 | ● 0283 | ● 0284 | | | | | | | | | |
| | | TNMG333 - UM | .047 | .006 ~ .012 | .059 ~ .118 | ○ 1143 | ○ 0596 | ○ 0597 | ○ 0760 | ● 2587 | ● 0586 | ● 0710 | | | | | | | | | |
| - UG | Medium Machining at stable condition | TNMG331 - UG | .016 | .008 ~ .016 | .020 ~ .118 | ● 1620 | ○ 0458 | ○ 0273 | | ● 2171 | ● 0274 | ● 0275 | | | | | | | | | |
| | | TNMG332 - UG | .031 | .008 ~ .016 | .039 ~ .118 | ● 1140 | ○ 0459 | ○ 1440 | ○ 7572 | ● 1820 | ● 1450 | ● 1460 | ○ 0037 | | | | | | | | |
| | | TNMG333 - UG | .047 | .008 ~ .016 | .059 ~ .118 | ● 1142 | ○ 0605 | ○ 0606 | ○ 0759 | ● 2200 | ● 0587 | ● 0939 | | | | | | | | | |
| | | TNMG432 - UG | .031 | .010 ~ .024 | .039 ~ .236 | ● 1641 | ○ 1061 | ○ 0285 | | ● 2394 | ● 0286 | ● 0287 | ○ 0040 | | | | | | | | |
| | | TNMG433 - UG | .047 | .010 ~ .024 | .059 ~ .236 | ● 1642 | ○ 1526 | ○ 1527 | | ● 2694 | ● 1528 | ● 1529 | | | | | | | | | |
| | | TNMG434 - UG | .063 | .010 ~ .024 | .079 ~ .236 | ● 1647 | ○ 1209 | ○ 0851 | ○ 0863 | ● 2695 | ● 0852 | ● 1263 | | | | | | | | | |
| - UC | Cast iron and Medium roughing | TNMG331 - UC | .016 | .008 ~ .016 | .020 ~ .157 | ● 1316 | ○ 0399 | ○ 0400 | | ● 2423 | ● 0401 | ● 0402 | | | | | | | | | |
| | | TNMG332 - UC | .031 | .008 ~ .016 | .039 ~ .157 | ● 0901 | ○ 0075 | ○ 0129 | | ● 2382 | ● 0108 | ● 0130 | | | | | | | | | |
| | | TNMG333 - UC | .047 | .008 ~ .016 | .059 ~ .157 | ● 0902 | ○ 0076 | ○ 0131 | | ● 2413 | ● 0109 | ● 0132 | | | | | | | | | |
| | | TNMG434 - UC | .063 | .008 ~ .016 | .079 ~ .157 | | | | | ● 1507 | | | | | | | | | | | |
| - UR | Roughing | TNMG332 - UR | .031 | .012 ~ .020 | .039 ~ .197 | ● 0880 | ○ 0680 | ○ 0669 | | ● 2395 | ● 0670 | ● 1054 | | | | | | | | | |
| | | TNMG333 - UR | .047 | .012 ~ .020 | .059 ~ .197 | ● 1657 | ○ 0204 | ○ 0408 | ○ 8824 | ● 0604 | ● 0504 | ● 0604 | ○ 0038 | | | | | | | | |
| | | TNMG433 - UR | .047 | .012 ~ .026 | .059 ~ .276 | ● 1639 | ○ 0408 | ○ 0409 | | ● 2403 | ● 0410 | ● 0411 | ○ 0041 | | | | | | | | |
| | | TNMG434 - UR | .063 | .012 ~ .026 | .079 ~ .276 | ● 1658 | ○ 0460 | ○ 0461 | | ● 2696 | ● 0696 | ● 0711 | | | | | | | | | |

Turning Inserts - Negative

# TNMG (60˚ Triangle)

| Series | IC | S |
|---|---|---|
| TN** 33 | 3/8 | 3/16 |
| TN** 43 | 1/2 | 3/16 |




EDP 2200.. ●: Stock item ○: Order made item

| TNMG | | Designation | RE | Fn (In/rev.) | Ap (In) | YG1010 (K10) | YG1001 (P05 K20) | YG3010 (P10 K30) | YG3015 (P15) | YG3115 (P10) | YG3020 (P20) | YG3030 (P30) | YG801 (P20) | YG2025 (M25) | YG211 (M15) | YG213 (M30) | YG214 (M40 S30) | YG401 (S10) | YT100 (P15 M15 K15) | YG100 (N20) | YG10 (N20) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| - MF | Stainless steel Finishing | TNMG331 - MF | .016 | .003 ~ .012 | .008 ~ .059 | | | | | | | | | | ● 0824 | ● 0775 | ● 1457 | ○ 1343 | | | |
| | | TNMG332 - MF | .031 | .003 ~ .012 | .008 ~ .059 | | | | | | ○ 0963 | | | ● 2458 | ● 0589 | ● 0776 | ● 0825 | ○ 1285 | | | |
| - MM | Stainless steel Medium | TNMG331 - MM | .016 | .008 ~ .014 | .020 ~ .138 | | | | | | | | | | ● 0567 | ● 0568 | ● 1790 | ○ 2297 | | | |
| | | TNMG332 - MM | .031 | .008 ~ .014 | .039 ~ .138 | | | | | | | | | | ● 0569 | ● 0570 | ● 0913 | ○ 1281 | | | |
| | | TNMG333 - MM | .047 | .008 ~ .014 | .059 ~ .138 | | | | | | | | | | ● 0611 | ● 0603 | ● 1791 | ○ 1288 | | | |
| - MG | Stainless steel General | TNMG331 - MG | .016 | .008 ~ .016 | .020 ~ .157 | | | | | | | | | | ● 2472 | ● 1455 | ● 1456 | ● 1219 | ● 1515 | | |
| | | TNMG332 - MG | .031 | .008 ~ .016 | .039 ~ .157 | | | | | | | | | | ● 2473 | ● 1568 | ● 1569 | ● 1713 | ● 1660 | | |
| | | TNMG333 - MG | .047 | .008 ~ .020 | .079 ~ .157 | | | | | | | | | | ● 2474 | ● 2104 | ● 2105 | ● 2103 | ● 2054 | | |
| - MR | Stainless steel Roughing | TNMG332 - MR | .031 | .012 ~ .022 | .079 ~ .217 | | | | | | | ○ 0727 | | ● 2493 | ● 0826 | ● 0985 | ● 0726 | | | | |
| | | TNMG333 - MR | .047 | .012 ~ .022 | .079 ~ .217 | | | | | | | ○ 1062 | | ● 2494 | ● 0995 | ● 0827 | ● 0828 | | | | |

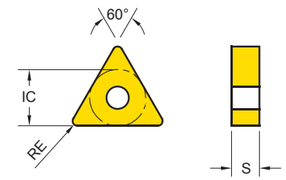




Turning Inserts - Negative

# TNGG / TNMG (60˚ Triangle)

| Series | IC | S |
|---|---|---|
| TN** 33 | 3/8 | 3/16 |
| TN** 43 | 1/2 | 3/16 |

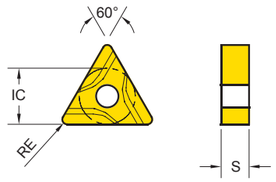



EDP 2200.. ●: Stock item ○: Order made item

| TNGG TNMG | | Designation | RE | Fn (In/rev.) | Ap (In) | YG1010 (K10) | YG1001 (P05 K20) | YG3010 (P10 K30) | YG3015 (P15) | YG3115 (P10) | YG3020 (P20) | YG3030 (P30) | YG801 (P20) | YG2025 (M25) | YG211 (M15) | YG213 (M30) | YG214 (M40 S30) | YG401 (S10) | YT100 (P15 M15 K15) | YG100 (N20) | YG10 (N20) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| - SF | Stainless steel Finishing | TNMG332 - SF | .031 | .004 ~ .010 | .008 ~ .039 | | | | | | | | | | | | | ● 1427 | | | |
| - SM | Stainless steel Medium | TNMG332 - SM | .031 | .006 ~ .012 | .020 ~ .118 | | | | | | | | | ○ 1575 | ○ 1576 | ○ 1577 | ● 1228 | | | | |
| | | TNMG333 - SM | .047 | .006 ~ .012 | .020 ~ .118 | | | | | | | | | ○ 1635 | ○ 1636 | ○ 1858 | ● 1508 | | | | |
| - SR | HRSA Roughing | TNMG332 - SR | .031 | .012 ~ .022 | .079 ~ .217 | | | | | | | | | | | | | ● 1307 | | | |
| | | TNMG333 - SR | .047 | .012 ~ .022 | .079 ~ .217 | | | | | | | | | | | | | ● 1306 | | | |
| NEW - PSF | Cermet Finishing | TNMG331 - PSF | .016 | .003 ~ .012 | .016 ~ .098 | | | | | | | | | | | | | | ● 2535 | | |
| | | TNMG332 - PSF | .031 | .004 ~ .014 | .024 ~ .098 | | | | | | | | | | | | | | ● 2536 | | |
| NEW - C | Cermet Medium Left Hand Shown | TNGG330.5L - C | .008 | .008 ~ .016 | .012 ~ .138 | | | | | | | | | | | | | | ○ 2524 | | |
| | | TNGG331L - C | .016 | .008 ~ .016 | .020 ~ .138 | | | | | | | | | | | | | | ○ 2526 | | |
| | | TNGG332L - C | .031 | .008 ~ .016 | .039 ~ .138 | | | | | | | | | | | | | | ○ 2528 | | |
| NEW - C | Cermet Medium Right Hand Shown | TNGG330.5R - C | .008 | .008 ~ .016 | .012 ~ .138 | | | | | | | | | | | | | | ○ 2525 | | |
| | | TNGG331R - C | .016 | .008 ~ .016 | .020 ~ .138 | | | | | | | | | | | | | | ○ 2527 | | |
| | | TNGG332R - C | .031 | .008 ~ .016 | .039 ~ .138 | | | | | | | | | | | | | | ○ 2529 | | |

Turning Inserts - Negative

# TNUX (60˚ Triangle)




| Series | LE | IC | S |
|---|---|---|---|
| TNUX 33 | .370 | 3/8 | 3/16 |

EDP 2200.. ●: Stock item ○: Order made item

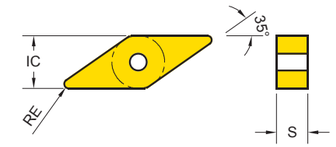
| TNUX | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| ..UX Left Hand Shown | TNUX331L | .016 | .004 ~ .012 | .020 ~ .157 | | | ○ 0412 | | ● 2425 | ● 0413 | ● 1264 | ○ 0043 | | | | | | | | |
| | TNUX332L | .031 | .004 ~ .016 | .039 ~ .197 | | | ○ 0414 | | ● 2198 | ● 0415 | ● 0675 | ○ 0045 | | ○ 0731 | | | | | | |
| ..UX Right Hand Shown | TNUX331R | .016 | .004 ~ .012 | .020 ~ .157 | | | ○ 0288 | | ● 2390 | ● 0289 | ● 0290 | ● 0044 | | | | | | | | |
| | TNUX332R | .031 | .004 ~ .016 | .039 ~ .197 | | | ○ 0291 | | ● 2354 | ● 0292 | ● 0293 | ● 0046 | | | | | | | | |





Turning Inserts - Negative

# VNMA / VNMG (35˚ Rhombic)




| Series | IC | S |
|---|---|---|
| VN** 33 | 3/8 | 3/16 |

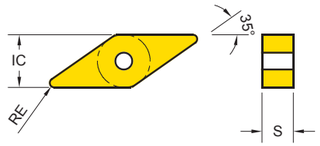
EDP 2200.. ●: Stock item ○: Order made item

| VNMA VNMG | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| ..MA Cast iron | VNMA332 | .031 | .006 ~ .016 | .039 ~ .197 | ● 1573 | ○ 0162 | ○ 1275 | | | | | | | | | | | | | |
| - UF Finishing | VNMG331 - UF | .016 | .002 ~ .010 | .020 ~ .098 | | | ○ 0306 | | ● 2205 | ● 0307 | ● 0308 | ○ 0049 | | | | | | | | |
| | VNMG332 - UF | .031 | .002 ~ .010 | .039 ~ .098 | | | ○ 0309 | | ● 2207 | ● 0310 | ● 0311 | | | | | | | | | |
| - UL Light Machining and Sticky Material | VNMG331 - UL | .016 | .004 ~ .012 | .020 ~ .118 | | | ○ 0886 | | ● 2412 | ● 0912 | ● 0723 | | | | | | | | | |
| | VNMG332 - UL | .031 | .004 ~ .012 | .039 ~ .118 | | | ○ 0428 | ○ 0790 | ● 2202 | ● 0429 | ● 0853 | | | | | | | | | |
| | VNMG333 - UL | .047 | .004 ~ .012 | .059 ~ .118 | | | | | ● 2431 | | | | | | | | | | | |
| - UM Medium Machining Unstable condition | VNMG332 - UM | .031 | .006 ~ .012 | .039 ~ .118 | | | ○ 1357 | ○ 1359 | ● 2424 | ● 1361 | ● 1362 | | | | | | | | | |
| | VNMG333 - UM | .047 | .006 ~ .012 | .059 ~ .118 | | | ○ 1230 | ○ 0736 | ○ 0870 | ● 2701 | ● 0737 | ● 1214 | | | | | | | | |
| - UG Medium Machining at stable condition | VNMG331 - UG | .016 | .008 ~ .016 | .020 ~ .118 | ● 1648 | ○ 1331 | ○ 0993 | | ● 2420 | ● 0940 | ● 0994 | | | | | | | | | |
| | VNMG332 - UG | .031 | .008 ~ .016 | .039 ~ .118 | ● 1000 | ○ 0462 | ○ 0312 | | ● 2176 | ● 0313 | ● 0314 | ○ 0050 | | | | | | | | |
| | VNMG333 - UG | .047 | .008 ~ .016 | .059 ~ .118 | ● 1659 | ○ 1345 | ○ 0931 | | ● 2407 | ● 0927 | ● 0917 | | | | | | | | | |
| - UC Cast iron and Medium roughing | VNMG331 - UC | .016 | .008 ~ .016 | .020 ~ .138 | ● 1612 | ○ 0885 | ○ 0423 | | ● 2366 | ● 1276 | ● 1277 | | | | | | | | | |
| | VNMG332 - UC | .031 | .008 ~ .016 | .039 ~ .138 | ● 0980 | ○ 0940 | ○ 0424 | | ● 2210 | ● 0425 | ● 0426 | | | | | | | | | |
| | VNMG333 - UC | .047 | .008 ~ .016 | .059 ~ .138 | ● 1587 | ○ 1381 | ○ 1392 | | ● 2700 | ● 1382 | ● 1384 | | | | | | | | | |
| - UR Roughing | VNMG333 - UR | .047 | .012 ~ .018 | .059 ~ .157 | ● 1638 | ○ 1231 | ○ 0430 | ○ 0871 | ● 2380 | ● 0431 | ● 0432 | ○ 0051 | | | | | | | | |

Turning Inserts - Negative

# VNMG (35˚ Rhombic)

| Series | IC | S |
|---|---|---|
| VN** 33 | 3/8 | 3/16 |




EDP 2200.. ●: Stock item ○: Order made item

| VNMG | Designation | RE | Fn (In/rev.) | Ap (In) | YG1010 (K10) | YG1001 (P05 K20) | YG3010 (P10 K30) | YG3015 (P15) | YG3115 (P10) | YG3020 (P20) | YG3030 (P30) | YG801 (P20) | YG2025 (M25) | YG211 (M15) | YG213 (M30) | YG214 (M40 S30) | YG401 (S10) | YT100 (P15 M15 K15) | YG100 (N20) | YG10 (N20) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| - MF Stainless steel Finishing | VNMG331 - MF | .016 | .003 ~ .012 | .008 ~ .059 | | | | | | | | | | ● 0782 | ● 1019 | ● 2267 | ○ 2019 | | | |
| | VNMG332 - MF | .031 | .003 ~ .012 | .008 ~ .059 | | | | | | | ○ 0830 | | ● 2464 | ● 0829 | ● 0947 | ● 2283 | ○ 2099 | | | |
| - MM Stainless steel Medium | VNMG331 - MM | .016 | .008 ~ .014 | .020 ~ .138 | | | | | | | | | | ● 0661 | ● 0662 | ● 1792 | ○ 2298 | | | |
| | VNMG332 - MM | .031 | .008 ~ .014 | .039 ~ .138 | | | | | | | | | | ● 0663 | ● 0664 | ● 1793 | ○ 2299 | | | |
| - MG Stainless steel Genera | VNMG331 - MG | .016 | .008 ~ .016 | .020 ~ .157 | | | | | | | | | ● 2489 | | | | | | | |
| | VNMG332 - MG | .031 | .008 ~ .016 | .039 ~ .157 | | | | | | | | | ● 2490 | | | | | | | |
| | VNMG333 - MG | .047 | .008 ~ .016 | .059 ~ .157 | | | | | | | | | ● 2491 | | | | | | | |
| - MR Stainless stee Roughing | VNMG332 - MR | .031 | .012 ~ .022 | .079 ~ .217 | | | | | | | ○ 0832 | | ● 2500 | ● 1020 | ● 0831 | ● 2304 | | | | |
| - SR HRSA Medium | VNMG332 - SR | .031 | .012 ~ .022 | .079 ~ .217 | | | | | | | | | | | | | ● 1449 | | | |
| NEW - PSF Cermet Finishing | VNMG331 - PSF | .016 | .003 ~ .012 | .012 ~ .079 | | | | | | | | | | | | | | ● 2537 | | |
| | VNMG332 - PSF | .031 | .004 ~ .014 | .020 ~ .079 | | | | | | | | | | | | | | ● 2538 | | |

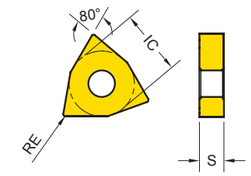




Turning Inserts - Negative

# WNMA / WNMG (80˚ Trigon)

| Series | IC | S |
|---|---|---|
| WN** 33 | 3/8 | 3/16 |
| WN** 43 | 1/2 | 3/16 |

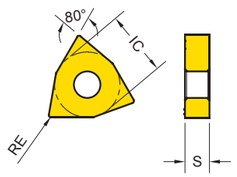



EDP 2200.. ●: Stock item ○: Order made item

| WNMA WNMG | Designation | RE | Fn (In/rev.) | Ap (In) | YG1010 (K10) | YG1001 (P05 K20) | YG3010 (P10 K30) | YG3015 (P15) | YG3115 (P10) | YG3020 (P20) | YG3030 (P30) | YG801 (P20) | YG2025 (M25) | YG211 (M15) | YG213 (M30) | YG214 (M40 S30) | YG401 (S10) | YT100 (P15 M15 K15) | YG100 (N20) | YG10 (N20) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| ..MA Cast iron | WNMA431 | .016 | .006 ~ .020 | .020 ~ .197 | ● 0903 | ○ 0005 | ○ 2126 2 | | | | | | | | | | | | | |
| | WNMA432 | .031 | .006 ~ .020 | .039 ~ .197 | ● 0904 | ○ 0005 | ○ 3043 3 | | | | | | | | | | | | | |
| | WNMA433 | .047 | .006 ~ .020 | .059 ~ .197 | ● 0905 | ○ 0054 | ○ 0434 | | | | | | | | | | | | | |
| - UF Finishing | WNMG331 - UF | .016 | .002 ~ .008 | .020 ~ .079 | | | ○ 0435 | | ● 2415 | ● 0436 | ● 0437 | ○ 0058 | | | | | | | | |
| | WNMG431 - UF | .016 | .002 ~ .010 | .020 ~ .098 | | | ○ 0315 | | ● 2389 | ● 0316 | ● 0317 | ○ 0055 | | | | | | | | |
| | WNMG432 - UF | .031 | .002 ~ .010 | .039 ~ .098 | | | ○ 0321 | | ● 2173 | ● 0322 | ● 0323 | | | | | | | | | |
| | WNMG433 - UF | .047 | .002 ~ .010 | .059 ~ .098 | | | ○ 1424 | | ● 2708 | ● 1410 | ● 1411 | | | | | | | | | |
| - UL Light Machining and Sticky Material | WNMG332 - UL | .031 | .004 ~ .012 | .039 ~ .098 | | | ○ 0439 | | ● 2588 | ● 0440 | ● 0441 | | | | | | | | | |
| | WNMG431 - UL | .016 | .004 ~ .012 | .020 ~ .118 | | | ○ 1431 | | ● 2703 | ● 1434 | ● 1438 | | | | | | | | | |
| | WNMG432 - UL | .031 | .004 ~ .012 | .039 ~ .118 | | | ○ 0324 | | ● 2177 | ● 0325 | ● 0326 | | | | | | | | | |
| | WNMG433 - UL | .047 | .004 ~ .012 | .059 ~ .118 | | | | | ● 2448 | ● 1435 | | | | | | | | | | |
| - UM Medium Machining Unstable condition | WNMG331 - UM | .016 | .006 ~ .012 | .020 ~ .098 | ○ 2106 | ○ 1259 | ○ 0741 | | ● 2418 | ● 0785 | ● 0742 | | | | | | | | | |
| | WNMG332 - UM | .031 | .006 ~ .012 | .039 ~ .098 | ○ 1554 | ○ 1260 | ○ 0600 | | ● 2402 | ● 0601 | ● 1271 | | | | | | | | | |
| | WNMG431 - UM | .016 | .006 ~ .012 | .020 ~ .118 | | ○ 1313 | ○ 0786 | | ● 2704 | ● 0787 | ● 0788 | | | | | | | | | |
| | WNMG432 - UM | .031 | .006 ~ .012 | .039 ~ .118 | | ○ 0470 | ○ 0327 | ○ 0761 | ● 2170 | ● 0328 | ● 0329 | | | | | | | | | |
| | WNMG433 - UM | .047 | .006 ~ .012 | .059 ~ .118 | | ○ 1210 | ○ 0649 | ○ 0762 | ● 2417 | ● 0598 | ● 0712 | | | | | | | | | |
| | WNMG434 - UM | .063 | .006 ~ .012 | .079 ~ .118 | | ○ 1234 | ○ 0593 | ○ 0763 | ● 2574 | ● 0584 | ● 0713 | | | | | | | | | |

Turning Inserts - Negative

# WNMG (80˚ Trigon)




| Series | IC | S |
|---|---|---|
| WN** 33 | 3/8 | 3/16 |
| WN** 43 | 1/2 | 3/16 |

EDP 2200.. ●: Stock item ○: Order made item

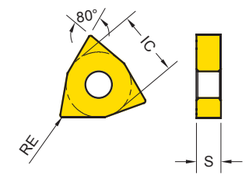
| WNMG | | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| - UG | Medium Machining at stable condition | WNMG332 - UG | .031 | .008 ~ .016 | .039 ~ .098 | ● 164 | ○ 906 | ○ 971047 | | ● 242 | ● 804 | ● 380 | ○ 874 | | | | | | | | |
| | | WNMG431 - UG | .016 | .008 ~ .016 | .020 ~ .118 | ● 158 | ○ 012 | ○ 320318 | | ● 239 | ● 203 | ● 190320 | | | | | | | | | |
| | | WNMG432 - UG | .031 | .008 ~ .016 | .039 ~ .118 | ● 090 | ○ 804 | ○ 630 | ○ 147 | ○ 058 | ● 221 | ● 940 | ● 148 | ○ 014 | ○ 900 | ○ 56 | | | | | |
| | | WNMG433 - UG | .047 | .008 ~ .016 | .059 ~ .118 | ● 091 | ○ 004 | ○ 660 | ○ 503 | ○ 064 | ● 821 | ● 670 | ● 490 | ● 094 | ○ 1 | | | | | | |
| | | WNMG434 - UG | .063 | .008 ~ .016 | .079 ~ .118 | ● 164 | ○ 312 | ○ 331 | ○ 056 | ○ 076 | ● 425 | ● 750 | ● 583 | ● 123 | ○ 8 | | | | | | |
| - PWM | Wiper - Medium | WNMG432 - PWM | .031 | .004 ~ .020 | .031 ~ .138 | | | | | ● 270 | 6 | | | | | | | | | | |
| - UC | Cast iron and Medium roughing | WNMG332 - UC | .031 | .008 ~ .016 | .039 ~ .118 | ● 144 | ○ 400 | ○ 950875 | | ● 242 | ● 108 | ● 760724 | | | | | | | | | |
| | | WNMG431 - UC | .016 | .008 ~ .016 | .020 ~ .157 | ● 090 | ○ 600 | ○ 970133 | | ● 236 | ● 701 | ● 100134 | | | | | | | | | |
| | | WNMG432 - UC | .031 | .008 ~ .016 | .039 ~ .157 | ● 090 | ○ 700 | ○ 770 | ○ 135 | ○ 073 | ● 332 | ● 186 | ● 011 | ● 0136 | | | | | | | |
| | | WNMG433 - UC | .047 | .008 ~ .016 | .059 ~ .157 | ● 090 | ○ 900 | ○ 780 | ○ 137 | ○ 063 | ● 021 | ● 680 | ● 112 | ● 0138 | | | | | | | |
| | | WNMG434 - UC | .063 | .008 ~ .016 | .079 ~ .157 | ● 118 | ○ 710 | ○ 055 | ○ 123 | 5 | ● 270 | ● 912 | ● 360743 | | | | | | | | |
| - UR | Roughing | WNMG333 - UR | .047 | .012 ~ .020 | .059 ~ .157 | ● 131 | ○ 710 | ○ 661057 | | ● 270 | ● 210 | ● 581060 | | | | | | | | | |
| | | WNMG432 - UR | .031 | .012 ~ .020 | .039 ~ .197 | ● 161 | ○ 304 | ○ 640465 | | ● 235 | ● 304 | ● 710472 | | | | | | | | | |
| | | WNMG433 - UR | .047 | .012 ~ .020 | .059 ~ .197 | ● 161 | ○ 404 | ○ 670 | ○ 442 | ○ 063 | ● 121 | ● 840 | ● 443 | ● 044 | ○ 40057 | | | | | | |
| | | WNMG434 - UR | .063 | .012 ~ .020 | .079 ~ .197 | ● 163 | ○ 704 | ○ 680 | ○ 469 | ○ 088 | ● 923 | ● 590 | ● 725 | ● 0714 | | | | | | | |
| - KR | Cast Iron Heavy Roughing | WNMG432 - KR | .031 | .012 ~ .024 | .039 ~ .197 | ● 093 | ○ 207 | ○ 201038 | | ● 270 | 5 | | | | | | | | | | |
| | | WNMG433 - KR | .047 | .012 ~ .024 | .059 ~ .197 | ● 093 | ○ 305 | ○ 220542 | | ● 270 | 7 | | | | | | | | | | |





Turning Inserts - Negative

# WNMG (80˚ Trigon)



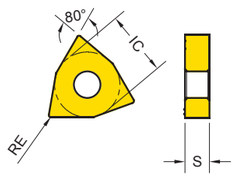

| Series | IC | S |
|---|---|---|
| WN** 33 | 3/8 | 3/16 |
| WN** 43 | 1/2 | 3/16 |

EDP 2200.. ●: Stock item ○: Order made item

| WNMG | | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| - MF | Stainless steel Finishing | WNMG331 - MF | .016 | .003 ~ .012 | .016 ~ .079 | | | ○ 0833 | | | | ○ 0996 | | ● 246 | ● 121 | ● 512 | ● 172 | ○ 2279 | | | |
| | | WNMG332 - MF | .031 | .003 ~ .012 | .031 ~ .079 | | | | | | | | | ● 121 | ● 618 | ● 228 | ○ 52280 | | | | |
| | | WNMG431 - MF | .016 | .003 ~ .012 | .016 ~ .098 | | | | | | | ○ 0834 | | ● 246 | ● 206 | ● 706 | ● 680 | ○ 9702281 | | | |
| | | WNMG432 - MF | .031 | .003 ~ .012 | .031 ~ .098 | | | | | | | ○ 1098 | | ● 246 | ● 306 | ● 170 | ● 618 | ○ 22682282 | | | |
| - MM | Stainless steel Medium | WNMG431 - MM | .016 | .008 ~ .014 | .020 ~ .138 | | | | | | | | | ● 057 | ● 105 | ● 722 | ○ 3002301 | | | | |
| | | WNMG432 - MM | .031 | .008 ~ .014 | .039 ~ .138 | | | | | | | ○ 0491 | | ● 049 | ● 704 | ● 980 | ○ 6332302 | | | | |
| | | WNMG433 - MM | .047 | .008 ~ .014 | .059 ~ .138 | | | | | | | | | ● 061 | ● 206 | ● 151 | ○ 9262303 | | | | |
| - MG | Stainless steel General | WNMG331 - MG | .016 | .008 ~ .016 | .020 ~ .118 | | | | | | | | | ● 2487 | | | | | | | |
| | | WNMG332 - MG | .031 | .008 ~ .016 | .039 ~ .118 | | | | | | | | | ● 2476 | | | | | | | |
| | | WNMG333 - MG | .047 | .008 ~ .016 | .059 ~ .118 | | | | | | | | | ● 2477 | | | | | | | |
| | | WNMG431 - MG | .016 | .008 ~ .016 | .020 ~ .157 | | | | | | | | | ● 2488 | | | | | | | |
| | | WNMG432 - MG | .031 | .008 ~ .016 | .039 ~ .157 | | | | | | | | | ● 247 | ● 814 | ● 961 | ● 497 | ● 1160 | ● 1498 | | |
| | | WNMG433 - MG | .047 | .008 ~ .016 | .059 ~ .157 | | | | | | | | | ● 247 | ● 914 | ● 991 | ● 500 | ● 1161 | ● 1501 | | |
| - MR | Stainless steel Roughing | WNMG333 - MR | .047 | .012 ~ .022 | .047 ~ .157 | | | | | | | ○ 1154 | | ● 249 | ● 806 | ● 161 | ● 787 | 1896 | | | |
| | | WNMG432 - MR | .031 | .012 ~ .022 | .079 ~ .217 | | | | | | | ○ 1099 | | ● 249 | ● 906 | ● 190 | ● 620 | 0835 | | | |
| | | WNMG433 - MR | .047 | .012 ~ .022 | .079 ~ .217 | | | | | | | ○ 0837 | | ● 248 | ● 206 | ● 650 | ● 666 | ● 0836 | | | |

Turning Inserts - Negative

# WNGG / WNMG (80° Trigon)




| Series | IC | S |
|---|---|---|
| WN** 33 | 3/8 | 3/16 |
| WN** 43 | 1/2 | 3/16 |

EDP 2200.. ●: Stock item ○: Order made item

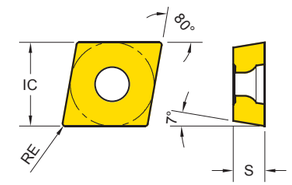
| WNGG WNMG | | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| - SF | HRSA Finishing | WNGG432 - SF | .031 | .004 ~ .010 | .008 ~ .039 | | | | | | | | | | | | | ● 1308 | | | |
| - SM | HRSA Medium | WNMG432 - SM | .031 | .006 ~ .012 | .020 ~ .118 | | | | | | | | | | ○ 1199 | ○ 1206 | ○ 1859 | ● 1311 | | | |
| | | WNMG433 - SM | .047 | .006 ~ .012 | .020 ~ .118 | | | | | | | | | | ○ 1374 | ○ 1416 | ○ 1860 | ● 1312 | | | |
| - SR | HRSA Roughing | WNMG333 - SR | .047 | .012 ~ .022 | .079 ~ .157 | | | | | | | | | | | | | ● 1439 | | | |
| | | WNMG432 - SR | .031 | .012 ~ .022 | .079 ~ .217 | | | | | | | | | | | | | ● 1310 | | | |
| | | WNMG433 - SR | .047 | .012 ~ .022 | .079 ~ .217 | | | | | | | | | | | | | ● 1309 | | | |
| NEW - PSF | Cermet Finishing | WNMG431 - PSF | .016 | .003 ~ .012 | .016 ~ .098 | | | | | | | | | | | | | | ● 2539 | | |
| | | WNMG432 - PSF | .031 | .004 ~ .014 | .024 ~ .098 | | | | | | | | | | | | | | ● 2540 | | |





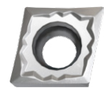
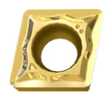
Turning Inserts - Positive

# CCGT / CCMT (80° Rhombic)



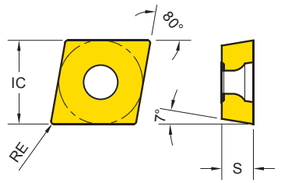

| Series | IC | S |
|---|---|---|
| CC** 21.5 | 1/4 | 3/32 |
| CC** 32.5 | 3/8 | 5/32 |
| CC** 43 | 1/2 | 3/16 |

EDP 2200.. ●: Stock item ○: Order made item

| CCGT CCMT | | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| - AL |  Aluminum | CCGT21.50.5 - AL | .008 | .000 ~ .005 | .002 ~ .118 | | | | | | | | | | | | | | | | ● 1398 |
| | | CCGT21.51 - AL | .016 | .001 ~ .006 | .004 ~ .118 | | | | | | | | | | | | | | | ● 1278 | ● 1320 |
| | | CCGT32.50.5 - AL | .008 | .001 ~ .008 | .002 ~ .118 | | | | | | | | | | | | | | | ● 0340 | ● 0339 |
| | | CCGT32.51 - AL | .016 | .001 ~ .012 | .004 ~ .197 | | | | | | | | | | | | | | | ● 0330 | ● 0081 |
| | | CCGT32.52 - AL | .031 | .001 ~ .020 | .004 ~ .197 | | | | | | | | | | | | | | | ● 0331 | ● 0082 |
| | | CCGT430.5 - AL | .008 | .001 ~ .012 | .002 ~ .157 | | | | | | | | | | | | | | | ● 0474 | ● 0473 |
| | | CCGT431 - AL | .016 | .001 ~ .020 | .004 ~ .197 | | | | | | | | | | | | | | | ● 0476 | ● 0475 |
| | | CCGT432 - AL | .031 | .002 ~ .031 | .004 ~ .217 | | | | | | | | | | | | | | | ● 0478 | ● 0477 |
| - UF |  Finishing | CCMT21.51 - UF | .016 | .002 ~ .008 | .020 ~ .079 | | ○ 0163 | ○ 0866 | ● 2365 | ● 0164 | ● 0165 | | | | | | | | | | |
| | | CCMT32.51 - UF | .016 | .002 ~ .010 | .020 ~ .079 | | ○ 0169 | | ● 2371 | ● 0170 | ● 0171 | | | | | | | | | | |
| | | CCMT32.52 - UF | .031 | .002 ~ .010 | .039 ~ .079 | | ○ 0964 | | ● 2578 | ● 0951 | ● 0953 | | | | | | | | | | |
| | | CCMT431 - UF | .016 | .004 ~ .010 | .039 ~ .197 | | | | ● 2579 | ● 1347 | ● 1337 | | | | | | | | | | |
| - UG | General | CCMT21.51 - UG | .016 | .004 ~ .010 | .020 ~ .079 | ● 1377 | | ○ 0166 | ● 2357 | ● 0167 | ● 0168 | ○ 0006 | | | | | ○ 1900 | | | | |
| | | CCMT21.52 - UG | .031 | .004 ~ .010 | .031 ~ .079 | ● 1825 | | ○ 0479 | ● 2378 | ● 0683 | ● 0684 | ○ 0009 | | | | | ○ 1901 | | | | |
| | | CCMT32.51 - UG | .016 | .006 ~ .012 | .020 ~ .098 | ● 1844 | | ○ 0172 | ● 2206 | ● 0173 | ● 0174 | ○ 0007 | | | | | ○ 1586 | | | | |
| | | CCMT32.52 - UG | .031 | .006 ~ .012 | .031 ~ .098 | ● 1553 | ○ 0445 | ○ 0150 | ● 2180 | ● 0151 | ● 0152 | ○ 0008 | | ○ 1908 | | | ○ 1902 | | | | |
| | | CCMT431 - UG | .016 | .006 ~ .014 | .020 ~ .118 | ● 1845 | | ○ 0175 | ● 2399 | ● 0176 | ● 0177 | | | | | | | | | | |
| | | CCMT432 - UG | .031 | .006 ~ .014 | .031 ~ .118 | ● 1462 | | ○ 0153 | ○ 0867 | ● 2183 | ● 0154 | ● 0155 | ○ 0005 | | | | ○ 1125 | | | | |
| | | CCMT433 - UG | .047 | .006 ~ .014 | .047 ~ .118 | ● 1846 | | ○ 0483 | | ● 2580 | ● 0915 | ● 1135 | | | | | ○ 1126 | | | | |

Turning Inserts - Positive

# CCGT / CCMT (80° Rhombic)




| Series | IC | S |
|---|---|---|
| CC** 21.5 | 1/4 | 3/32 |
| CC** 32.5 | 3/8 | 5/32 |
| CC** 43 | 1/2 | 3/16 |

EDP 2200.. ●: Stock item ○: Order made item

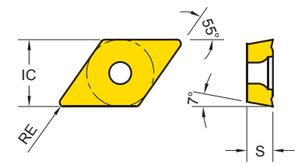
| CCGT CCMT | | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| NEW - SF | HRSA Finishing | CCGT21.50 - SF | .004 | .001 ~ .006 | .004 ~ .059 | | | | | | | | | | | | ● 2341 | ● 2065 | | | |
| | | CCGT21.50.5 - SF | .008 | .001 ~ .006 | .004 ~ .059 | | | | | | | | | | | | ● 2080 | ● 2066 | | | |
| | | CCGT21.51 - SF | .016 | .001 ~ .008 | .004 ~ .094 | | | | | | | | | | | | ● 2086 | ● 2067 | | | |
| | | CCGT32.50 - SF | .004 | .001 ~ .006 | .004 ~ .098 | | | | | | | | | | | | ● 2339 | ● 2071 | | | |
| | | CCGT32.50.5 - SF | .008 | .001 ~ .006 | .004 ~ .098 | | | | | | | | | | | | ● 2340 | ● 2072 | | | |
| | | CCGT32.51 - SF | .016 | .001 ~ .008 | .004 ~ .098 | | | | | | | | | | | | ● 2093 | ● 2073 | | | |
| | | CCGT32.52 - SF | .031 | .001 ~ .010 | .004 ~ .098 | | | | | | | | | | | | ● 2096 | ● 2074 | | | |
| NEW - MF | Stainless steel Finishing | CCMT21.52 - MF | .031 | .002 ~ .008 | .003 ~ .079 | | | | | | | | | | ● 2352 | ● 2439 | ● 2440 | ● 2351 | | | |
| | | CCMT32.50.5 - MF | .008 | .002 ~ .006 | .003 ~ .079 | | | | | | | | | ● 2501 | ● 2002 | ● 2003 | ● 2004 | ● 2028 | | | |
| | | CCMT32.51 - MF | .016 | .002 ~ .010 | .004 ~ .079 | | | | | | | | | ● 2502 | ● 1589 | ● 1590 | ● 1947 | ● 2029 | | | |
| | | CCMT32.52 - MF | .031 | .003 ~ .012 | .006 ~ .079 | | | | | | | | | ● 2503 | ● 1957 | ● 1958 | ● 1959 | ● 1943 | | | |
| NEW - MM | Stainless steel Medium | CCMT32.51 - MM | .016 | .003 ~ .010 | .010 ~ .118 | | | | | | | | | ● 2514 | ● 1591 | ● 1592 | ● 1946 | ● 2039 | | | |
| | | CCMT32.52 - MM | .031 | .004 ~ .012 | .020 ~ .118 | | | | | | | | | ● 2515 | ● 1887 | ● 1888 | ● 1956 | ● 1944 | | | |
| NEW - PF | Cermet Finishing | CCMT32.50.5 - PF | .008 | .002 ~ .006 | .003 ~ .079 | | | | | | | | | | | | | | ● 2541 | | |
| | | CCMT32.51 - PF | .016 | .002 ~ .010 | .004 ~ .079 | | | | | | | | | | | | | | ● 2542 | | |
| | | CCMT32.52 - PF | .031 | .003 ~ .012 | .006 ~ .079 | | | | | | | | | | | | | | ● 2543 | | |
| NEW - PM | Cermet Medium | CCMT32.51 - PM | .016 | .003 ~ .010 | .010 ~ .118 | | | | | | | | | | | | | | ● 2554 | | |
| | | CCMT32.52 - PM | .031 | .004 ~ .012 | .020 ~ .118 | | | | | | | | | | | | | | ● 2555 | | |





Turning Inserts - Positive

# DCGT / DCMT (55° Rhombic)



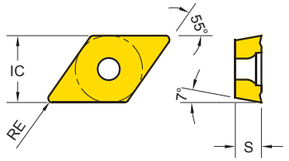

| Series | IC | S |
|---|---|---|
| DC** 21.5 | 1/4 | 3/32 |
| DC** 32.5 | 3/8 | 5/32 |

EDP 2200.. ●: Stock item ○: Order made item

| DCGT DCMT | | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| - AL | Aluminum | DCGT21.50.5 - AL | .008 | .000 ~ .008 | .002 ~ .118 | | | | | | | | | | | | | | | | ● 1399 |
| | | DCGT21.51 - AL | .016 | .001 ~ .012 | .004 ~ .157 | | | | | | | | | | | | | | | | ● 1400 |
| | | DCGT32.50 - AL | .004 | .000 ~ .012 | .002 ~ .157 | | | | | | | | | | | | | | | ● 2101 | ● 2100 |
| | | DCGT32.50.5 - AL | .008 | .001 ~ .012 | .002 ~ .157 | | | | | | | | | | | | | | | ● 0342 | ● 0341 |
| | | DCGT32.51 - AL | .016 | .001 ~ .020 | .004 ~ .197 | | | | | | | | | | | | | | | ● 0332 | ● 0083 |
| | | DCGT32.52 - AL | .031 | .001 ~ .020 | .004 ~ .197 | | | | | | | | | | | | | | | ● 0333 | ● 0084 |
| - UF | Finishing | DCMT21.51 - UF | .016 | .002 ~ .008 | .020 ~ .079 | | | ○ 0207 | | ● 2397 | ● 0208 | ● 0209 | | | ○ 1909 | | ○ 1903 | | | | |
| | | DCMT32.51 - UF | .016 | .002 ~ .010 | .020 ~ .079 | | | ○ 0213 | | ● 2208 | ● 0214 | ● 0215 | | | ○ 1044 | ○ 1043 | ○ 1910 | | | | |
| | | DCMT32.52 - UF | .031 | .002 ~ .010 | .039 ~ .079 | | ● 2053 | ○ 0219 | | ● 1897 | ● 0220 | ● 0221 | | | | | | | | | |
| - UG | General | DCMT21.51 - UG | .016 | .004 ~ .010 | .020 ~ .079 | | ● 1849 | ○ 0210 | | ● 2391 | ● 0211 | ● 0212 | ○ 0013 | | | | | | | | |
| | | DCMT21.52 - UG | .031 | .004 ~ .010 | .031 ~ .079 | | ● 1850 | ○ 0484 | | ● 2386 | ● 0717 | ● 1136 | | | | | | | | | |
| | | DCMT32.51 - UG | .016 | .006 ~ .012 | .020 ~ .098 | | ● 1831 | ○ 0677 | ○ 0216 | ● 2209 | ● 0217 | ● 0218 | ○ 0014 | | | ○ 1520 | ○ 1522 | ○ 1521 | | | |
| | | DCMT32.52 - UG | .031 | .006 ~ .012 | .031 ~ .098 | | ● 1832 | ○ 0678 | ○ 0222 | ● 2215 | ● 0223 | ● 0224 | ○ 0015 | | | | | | | | |
| | | DCMT32.53 - UG | .047 | .006 ~ .014 | .059 ~ .118 | | | | | ● 2605 | ● 2056 | | | | | | | | | | |

Turning Inserts - Positive

# DCGT / DCMT (55° Rhombic)




| Series | IC | S |
|---|---|---|
| DC** 21.5 | 1/4 | 3/32 |
| DC** 32.5 | 3/8 | 5/32 |

EDP 2200.. ●: Stock item ○: Order made item

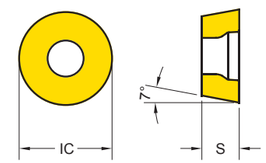
| DCGT DCMT | Designation | RE | Fn (In/rev.) | Ap (In) | YG1010 (K10) | YG1001 (P05 K20) | YG3010 (P10 K30) | YG3015 (P15) | YG3115 (P10) | YG3020 (P20) | YG3030 (P30) | YG801 (P20) | YG2025 (M25) | YG211 (M15) | YG213 (M30) | YG214 (M40 S30) | YG401 (S10) | YT100 (P15 M15 K15) | YG100 (N20) | YG10 (N20) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NEW - SF HRSA Finishing | DCGT21.50 - SF | .004 | .001 ~ .006 | .004 ~ .059 | | | | | | | | | | | | ● 2342 | ● 2068 | | | |
| | DCGT21.50.5 - SF | .008 | .001 ~ .006 | .004 ~ .059 | | | | | | | | | | | | ● 2343 | ● 2069 | | | |
| | DCGT21.51 - SF | .016 | .001 ~ .008 | .004 ~ .059 | | | | | | | | | | | ○ 2338 | ● 2344 | ● 2070 | | | |
| | DCGT32.50 - SF | .004 | .000 ~ .002 | .004 ~ .098 | | | | | | | | | | | | ● 2345 | ● 2075 | | | |
| | DCGT32.50.5 - SF | .008 | .001 ~ .006 | .004 ~ .098 | | | | | | | | | | ○ 0559 | ○ 0560 | ● 1478 | ● 1474 | | | |
| | DCGT32.51 - SF | .016 | .001 ~ .008 | .004 ~ .098 | | | | | | | | | | ○ 1460 | ○ 1473 | ● 1479 | ● 1463 | | | |
| | DCGT32.52 - SF | .031 | .001 ~ .008 | .004 ~ .098 | | | | | | | | | | | | ● 2346 | ● 2076 | | | |
| NEW - MF Stainless steel Finishing | DCMT21.51 - MF | .016 | .002 ~ .007 | .003 ~ .059 | | | | | | | | | ● 2504 | ● 1978 | ● 1979 | ● 1980 | ● 2030 | | | |
| | DCMT32.50.5 - MF | .008 | .002 ~ .006 | .003 ~ .079 | | | | | | | | | ● 2505 | ● 2005 | ● 2006 | ● 2007 | ● 2031 | | | |
| | DCMT32.51 - MF | .016 | .002 ~ .010 | .004 ~ .079 | | | | | | | | | ● 2506 | ● 1885 | ● 1886 | ● 1927 | ● 2032 | | | |
| | DCMT32.52 - MF | .031 | .003 ~ .008 | .006 ~ .079 | | | | | | | | | ● 2507 | ● 1963 | ● 1964 | ● 1965 | ● 2033 | | | |
| NEW - MM Stainless steel Medium | DCMT21.51 - MM | .016 | .003 ~ .012 | .008 ~ .091 | | | | | | | | | ● 2516 | ● 1999 | ● 2000 | ● 2001 | ● 2040 | | | |
| | DCMT21.52 - MM | .031 | .003 ~ .010 | .020 ~ .059 | | | | | | | ○ 1868 | | | | | | | | | |
| | DCMT32.51 - MM | .016 | .002 ~ .007 | .010 ~ .118 | | | | | | | | | ● 2517 | ● 1990 | ● 1991 | ● 1992 | ● 2041 | | | |
| | DCMT32.52 - MM | .031 | .003 ~ .010 | .020 ~ .118 | | | | | | | | | ● 2518 | ● 1984 | ● 1985 | ● 1986 | ● 2042 | | | |
| NEW - PF Cermet Finishing | DCMT21.51 - PF | .016 | .002 ~ .007 | .003 ~ .059 | | | | | | | | | | | | | | ● 2544 | | |
| | DCMT32.50.5 - PF | .008 | .002 ~ .006 | .003 ~ .079 | | | | | | | | | | | | | | ● 2545 | | |
| | DCMT32.51 - PF | .016 | .002 ~ .010 | .004 ~ .079 | | | | | | | | | | | | | | ● 2546 | | |
| | DCMT32.52 - PF | .031 | .003 ~ .008 | .006 ~ .079 | | | | | | | | | | | | | | ● 2547 | | |
| NEW - PM Cermet Medium | DCMT21.51 - PM | .016 | .003 ~ .012 | .008 ~ .091 | | | | | | | | | | | | | | ● 2556 | | |
| | DCMT32.51 - PM | .016 | .002 ~ .007 | .010 ~ .118 | | | | | | | | | | | | | | ● 2557 | | |
| | DCMT32.52 - PM | .031 | .003 ~ .010 | .020 ~ .118 | | | | | | | | | | | | | | ● 2558 | | |





Turning Inserts - Positive

# RCMT (Round)



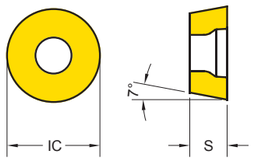

| Series | INSD | S |
|---|---|---|
| RC** 0602 | .236 | 3/32 |
| RC** 0803 | .315 | 1/8 |
| RC** 10T3 | .394 | 5/32 |
| RC** 1204 | .472 | 3/16 |
| RC** 1606 | .630 | 1/4 |
| RC** 2006 | .787 | 1/4 |

EDP 2200.. ●: Stock item ○: Order made item

| RCMT | Designation | RE | Fn (In/rev.) | Ap (In) | YG1010 (K10) | YG1001 (P05 K20) | YG3010 (P10 K30) | YG3015 (P15) | YG3115 (P10) | YG3020 (P20) | YG3030 (P30) | YG801 (P20) | YG2025 (M25) | YG211 (M15) | YG213 (M30) | YG214 (M40 S30) | YG401 (S10) | YT100 (P15 M15 K15) | YG100 (N20) | YG10 (N20) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| General | RCMT0602M0 | .118 | .002 ~ .010 | .008 ~ .047 | ● 2057 | ○ 0374 | ○ 0375 | | ● 2624 | ● 0376 | ● 1151 | ○ 0023 | | | | | | | | |
| | RCMT0803M0 | .157 | .002 ~ .012 | .020 ~ .059 | ● 2058 | ○ 0377 | ○ 0378 | | ● 2625 | ● 0379 | ● 1152 | ○ 0024 | | | | | | | | |
| | RCMT10T3M0 | .197 | .004 ~ .014 | .020 ~ .098 | ● 2059 | ○ 0380 | ○ 0381 | | ● 2626 | ● 0382 | ● 1153 | ○ 0021 | | | | | | | | |
| | RCMT1204M0 | .236 | .006 ~ .018 | .020 ~ .118 | ● 1833 | ○ 0383 | ○ 0384 | | ● 2627 | ● 0385 | ● 1170 | ○ 0022 | | | | | | | | |

Turning Inserts - Positive

# RCMX - Heavy Turning (Round)




| Series | INSD | S |
|---|---|---|
| RC** 0602 | .236 | 3/32 |
| RC** 0803 | .315 | 1/8 |
| RC** 10T3 | .394 | 5/32 |
| RC** 1204 | .472 | 3/16 |
| RC** 1606 | .630 | 1/4 |
| RC** 2006 | .787 | 1/4 |

EDP 2200.. ●: Stock item ○: Order made item

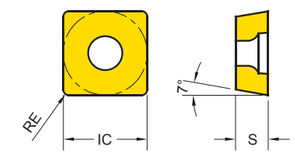
| RCMX | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| NEW - UT Heavy Roughing | RCMX1606M0 - UT | .315 | .012 ~ .031 | .039 ~ .276 | ● 2441 | | | | | | | | | | | | | | | |
| | RCMX2006M0 - UT | .394 | .020~.051 | .059 ~.354 | | | | | ● 2169 | | | | | | | | | | | |





Turning Inserts - Positive

# SCGT / SCMT (Square)



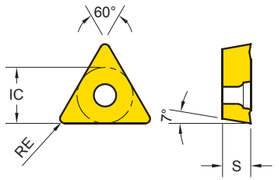

| Series | IC | S |
|---|---|---|
| SC** 32.5 | 3/8 | 5/32 |
| SC** 43 | 1/2 | 3/16 |

EDP 2200.. ●: Stock item ○: Order made item

| SCGT SCMT | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| - AL Aluminium | SCGT32.51 - AL | .016 | .001 ~ .016 | .004 ~ .197 | | | | | | | | | | | | | | | | ● 1516 |
| | SCGT32.52 - AL | .031 | .002 ~ .016 | .004 ~ .197 | | | | | | | | | | | | | | | | ● 1517 |
| - UF Finishing | SCMT32.51 - UF | .016 | .002 ~ .010 | .020 ~ .079 | | | ○ 0386 | | ● 2628 | ● 0387 | ● 0783 | | | | | | | | | |
| | SCMT32.52 - UF | .031 | .002 ~ .010 | .039 ~ .079 | ● 2083 | | ○ 1021 | | ● 2629 | ● 1022 | ● 0997 | | | | | | | | | |
| - UG General | SCMT32.51 - UG | .016 | .006 ~ .012 | .020 ~ .098 | ● 1834 | ○ 0455 | ○ 0482 | | ● 2414 | ● 0916 | ● 1171 | ○ 0025 | | | | | | | | |
| | SCMT32.52 - UG | .031 | .006 ~ .012 | .031 ~ .098 | ● 1835 | ○ 0456 | ○ 0159 | | ● 2383 | ● 0160 | ● 0161 | ○ 0026 | | | | ○ 1904 | | | | |
| | SCMT432 - UG | .031 | .006 ~ .014 | .031 ~ .118 | ● 1836 | ○ 0674 | ○ 0255 | | ● 2393 | ● 0256 | ● 0257 | | | | | ○ 1911 | | | | |
| | SCMT433 - UG | .047 | .006 ~ .014 | .059 ~ .118 | ● 2098 | | | | | | | | | | | | | | | |
| NEW - MF Stainless steel Finishing | SCMT32.52 - MF | .031 | .004 ~ .014 | .012 ~ .079 | | | | | | | | | | | | | ● 2564 | | | |
| NEW - MM Stainless steel Medium | SCMT432 - MM | .031 | .004 ~ .012 | .024 ~ .157 | | | | | | | | | ● 2519 | ● 1973 | ● 1974 | ● 1975 | ● 1976 | | | |
| NEW - PM Cermet Medium | SCMT432 - PM | .031 | .004 ~ .012 | .024 ~ .157 | | | | | | | | | | | | | | ● 2530 | | |

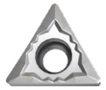
Turning Inserts - Positive

# TCGT / TCMT (Triangle)




| Series | IC | S |
|---|---|---|
| TC** 21.5 | 1/4 | 3/32 |
| TC** 32.5 | 3/8 | 5/32 |

EDP 2200.. ●: Stock item ○: Order made item

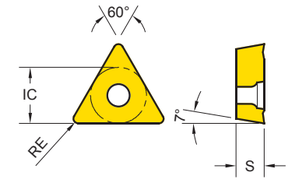
| TCGT TCMT | | Designation | RE | Fn (In/rev.) | Ap (In) | K10 YG1010 | P05 K20 YG1001 | P10 K30 YG3010 | P15 YG3015 | P10 YG3115 | P20 YG3020 | P30 YG3030 | P20 YG801 | M25 YG2025 | M15 YG211 | M30 YG213 | M40 S30 YG214 | S10 YG401 | P15 M15 K15 YT100 | N20 YG100 | N20 YG10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| - AL |  Aluminum | TCGT21.51 - AL | .016 | .001 ~ .012 | .004 ~ .157 | | | | | | | | | | | | | | | | ● 1333 |
| | | TCGT32.50.5 - AL | .008 | .001 ~ .012 | .002 ~ .197 | | | | | | | | | | | | | | | ● 0344 | ● 0343 |
| | | TCGT32.51 - AL | .016 | .001 ~ .016 | .004 ~ .217 | | | | | | | | | | | | | | | ● 0334 | ● 0085 |
| | | TCGT32.52 - AL | .031 | .001 ~ .020 | .004 ~ .217 | | | | | | | | | | | | | | | ● 0335 | ● 0086 |
| - UF | Finishing | TCMT21.51 - UF | .016 | .002 ~ .008 | .020 ~ .079 | | | ○ 0395 | | ● 2384 | ● 0396 | ● 1196 | | | ○ 1033 | ○ 1034 | ○ 1645 | | | | |
| | | TCMT32.51 - UF | .016 | .002 ~ .010 | .020 ~ .079 | | | ○ 0397 | | ● 2377 | ● 0398 | ● 1046 | ○ 0033 | | ○ 1906 | | ○ 1905 | | | | |
| | | TCMT32.52 - UF | .031 | .002 ~ .010 | .031 ~ .079 | | | ○ 0624 | | ● 2369 | ● 0625 | ● 1045 | | | | | | | | | |
| - UG | General | TCMT21.51 - UG | .016 | .004 ~ .010 | .020 ~ .079 | ● 1839 | ○ 0728 | ○ 0264 | | ● 2642 | ● 0265 | ● 0266 | ○ 0032 | | | | | | | | |
| | | TCMT21.52 - UG | .031 | .004 ~ .010 | .031 ~ .079 | ● 1851 | | ○ 0485 | | ● 2362 | ● 0715 | ● 1204 | | | | | | | | | |
| | | TCMT32.51 - UG | .016 | .006 ~ .012 | .020 ~ .098 | ● 1840 | ○ 0679 | ○ 0267 | | ● 2379 | ● 0268 | ● 0269 | | | | | | | | | |
| | | TCMT32.52 - UG | .031 | .006 ~ .012 | .031 ~ .098 | ● 1841 | ○ 0457 | ○ 0156 | | ● 2175 | ● 0157 | ● 0158 | ○ 0034 | | | | ○ 1907 | | | | |





Turning Inserts - Positive

# TCMT (Triangle)




| Series | IC | S |
|---|---|---|
| TC** 21.5 | 1/4 | 3/32 |
| TC** 32.5 | 3/8 | 5/32 |

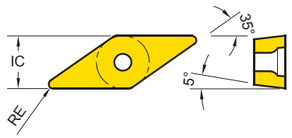
EDP 2200.. ●: Stock item ○: Order made item

| TCMT | | Designation | RE | Fn (In/rev.) | Ap (In) | K10 YG1010 | P05 K20 YG1001 | P10 K30 YG3010 | P15 YG3015 | P10 YG3115 | P20 YG3020 | P30 YG3030 | P20 YG801 | M25 YG2025 | M15 YG211 | M30 YG213 | M40 S30 YG214 | S10 YG401 | P15 M15 K15 YT100 | N20 YG100 | N20 YG10 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| NEW - MF | Stainless steel Finishing | TCMT21.51 - MF | .016 | .003 ~ .008 | .008 ~ .079 | | | | | | | | | | | | | ● 2565 | | | |
| | | TCMT21.52 - MF | .031 | .003 ~ .008 | .012 ~ .079 | | | | | | | | | | | | | ● 2566 | | | |
| | | TCMT32.51 - MF | .016 | .002 ~ .010 | .004 ~ .079 | | | | | | | | | ● 2508 | ● 1981 | ● 1982 | ● 1983 | ● 2034 | | | |
| | | TCMT32.52 - MF | .031 | .003 ~ .012 | .006 ~ .079 | | | | | | | | | ● 2509 | ● 1966 | ● 1967 | ● 1968 | ● 2026 | | | |
| NEW - MM | Stainless steel Medium | TCMT32.51 - MM | .016 | .003 ~ .010 | .010 ~ .118 | | | | | | | | | ● 2520 | ● 1993 | ● 1994 | ● 1995 | ● 2043 | | | |
| | | TCMT32.52 - MM | .031 | .004 ~ .012 | .020 ~ .118 | | | | | | | | | ● 2521 | ● 1952 | ● 1953 | ● 1954 | ● 1955 | | | |
| NEW - PF | Cermet Medium | TCMT32.51 - PF | .016 | .002 ~ .010 | .004 ~ .079 | | | | | | | | | | | | | ● 2548 | | | |
| | | TCMT32.52 - PF | .031 | .003 ~ .012 | .006 ~ .079 | | | | | | | | | | | | | ● 2549 | | | |
| NEW - PM | Cermet Medium | TCMT32.51 - PM | .016 | .003 ~ .010 | .010 ~ .118 | | | | | | | | | | | | | ● 2559 | | | |
| | | TCMT32.52 - PM | .031 | .004 ~ .012 | .020 ~ .118 | | | | | | | | | | | | | ● 2560 | | | |

Turning Inserts - Positive

# VBGT / VBMT (35° Rhombic)

| Series | IC | S |
|---|---|---|
| VB** 22 | 1/4 | 1/8 |
| VB** 33 | 3/8 | 3/16 |




EDP 2200.. ●: Stock item ○: Order made item

| VBGT VBMT | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| NEW - SF HRSA Finishing | VBGT220 - SF | .004 | .000 ~ .008 | .004 ~ .059 | | | | | | | | | | | | ● 2432 | | | | |
| | VBGT220.5 - SF | .008 | .001 ~ .008 | .004 ~ .059 | | | | | | | | | | | | ● 2433 | | | | |
| | VBGT221 - SF | .016 | .002 ~ .008 | .008 ~ .059 | | | | | | | | | | | | ● 2358 | | | | |
| | VBGT331 - SF | .016 | .002 ~ .008 | .008 ~ .079 | | | | | | | | | | | | | ● 2350 | | | |
| - UF Finishing | VBMT221 - UF | .016 | .002 ~ .006 | .004 ~ .031 | | | | | ● 2697 | | | | | | | | | | | |
| | VBMT222 - UF | .016 | .002 ~ .006 | .016 ~ .039 | | | | | ● 2698 | | | | | | | | | | | |
| | VBMT331 - UF | .016 | .002 ~ .010 | .020 ~ .079 | | | ○ 0294 | | ● 2364 | ● 0295 | ● 0296 | | | | | | | | | |
| | VBMT332 - UF | .031 | .002 ~ .010 | .031 ~ .079 | | | ○ 0300 | | ● 2216 | ● 0301 | ● 0302 | | | | | | | | | |
| - UG General | VBMT331 - UG | .016 | .006 ~ .012 | .020 ~ .098 | ● 1842 | ○ 0682 | ○ 0297 | | ● 2181 | ● 0298 | ● 0299 | ○ 0047 | | | | | | | | |
| | VBMT332 - UG | .031 | .006 ~ .012 | .031 ~ .098 | ● 1843 | ○ 0681 | ○ 0303 | | ● 2211 | ● 0304 | ● 0305 | ○ 0048 | | | | | | | | |
| NEW - MF Stainless steel Finishing | VBMT330.5 - MF | .008 | .002 ~ .006 | .004 ~ .079 | | | | | | | | | ● 2510 | ● 2008 | ● 2009 | ● 2010 | ● 2036 | | | |
| | VBMT331 - MF | .016 | .002 ~ .008 | .008 ~ .079 | | | | | | | | | ● 2511 | ● 1960 | ● 1961 | ● 1962 | ● 2037 | | | |
| | VBMT332 - MF | .031 | .003 ~ .011 | .012 ~ .079 | | | | | | | | | ● 2512 | ● 2011 | ● 2012 | ● 2013 | ● 2038 | | | |
| NEW - MM Stainless steel Medium | VBMT331 - MM | .016 | .003 ~ .008 | .010 ~ .106 | | | | | | | | | ● 2522 | ● 1996 | ● 1997 | ● 1998 | ● 2044 | | | |
| | VBMT332 - MM | .031 | .003 ~ .011 | .020 ~ .106 | | | | | | | | | ● 2523 | ● 1987 | ● 1988 | ● 1989 | ● 2045 | | | |
| NEW - PF Cermet Medium | VBMT330.5 - PF | .008 | .002 ~ .006 | .004 ~ .079 | | | | | | | | | | | | | | ● 2550 | | |
| | VBMT331 - PF | .016 | .002 ~ .008 | .008 ~ .079 | | | | | | | | | | | | | | ● 2551 | | |
| | VBMT332 - PF | .031 | .003 ~ .011 | .012 ~ .079 | | | | | | | | | | | | | | ● 2552 | | |
| NEW - PM Cermet Medium | VBMT331 - PM | .016 | .003 ~ .008 | .010 ~ .106 | | | | | | | | | | | | | | ● 2561 | | |
| | VBMT332 - PM | .031 | .003 ~ .011 | .020 ~ .106 | | | | | | | | | | | | | | ● 2562 | | |

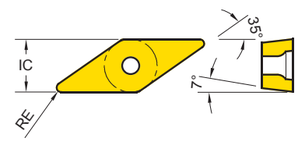




Turning Inserts - Positive

# VCGT / VCMT (35° Rhombic)

| Series | IC | S |
|---|---|---|
| VC** 22 | 1/4 | 1/8 |
| VC** 33 | 3/8 | 3/16 |

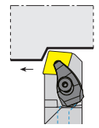
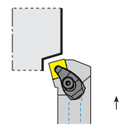
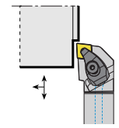
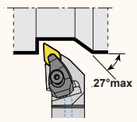
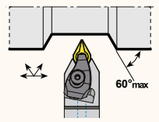
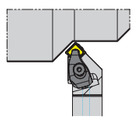
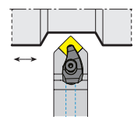
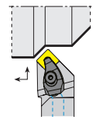
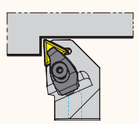
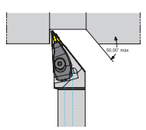
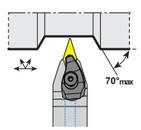
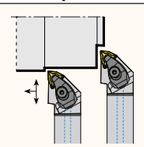



EDP 2200.. ●: Stock item ○: Order made item

| VCGT VCMT | Designation | RE | Fn (In/rev.) | Ap (In) | K10 | P05 K20 | P10 K30 | P15 | P10 | P20 | P30 | P20 | M25 | M15 | M30 | M40 S30 | S10 | P15 M15 K15 | N20 | N20 |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | YG1010 | YG1001 | YG3010 | YG3015 | YG3115 | YG3020 | YG3030 | YG801 | YG2025 | YG211 | YG213 | YG214 | YG401 | YT100 | YG100 | YG10 |
| - AL Aluminum | VCGT220 - AL | .004 | .001 ~ .006 | .002 ~ .118 | | | | | | | | | | | | | | | ● 2102 | ● 1041 |
| | VCGT220.5 - AL | .008 | .001 ~ .008 | .002 ~ .118 | | | | | | | | | | | | | | | ● 1353 | ● 1042 |
| | VCGT221 - AL | .016 | .001 ~ .010 | .004 ~ .157 | | | | | | | | | | | | | | | ● 1519 | ● 1518 |
| | VCGT330.5 - AL | .008 | .001 ~ .012 | .002 ~ .197 | | | | | | | | | | | | | | | ● 0418 | ● 0417 |
| | VCGT331 - AL | .016 | .001 ~ .016 | .004 ~ .197 | | | | | | | | | | | | | | | ● 0336 | ● 0087 |
| | VCGT332 - AL | .031 | .001 ~ .020 | .004 ~ .197 | | | | | | | | | | | | | | | ● 0420 | ● 0419 |
| | VCGT333 - AL | .047 | .001 ~ .020 | .004 ~ .197 | | | | | | | | | | | | | | | ● 2082 | ● 2081 |
| NEW - SF HRSA Finishing | VCGT220 - SF | .004 | .000 ~ .008 | .004 ~ .059 | | | | | | | | | | | | ● 2347 | ● 2077 | | | |
| | VCGT220.5 - SF | .008 | .001 ~ .008 | .004 ~ .059 | | | | | | | | | ○ 1475 | ○ 1476 | ● 1480 | ● 1481 | | | | |
| | VCGT221 - SF | .016 | .002 ~ .008 | .008 ~ .059 | | | | | | | | | | | ● 2348 | ● 2078 | | | | |
| | VCGT222 - SF | .031 | .002 ~ .008 | .016 ~ .059 | | | | | | | | | | | ● 2349 | ● 2079 | | | | |
| - UF Finishing | VCMT331 - UF | .016 | .002 ~ .010 | .020 ~ .079 | | ○ 0716 | | ● 2385 | ● 0421 | ● 0955 | | | | | | | | | | |
| | VCMT332 - UF | .031 | .002 ~ .010 | .039 ~ .079 | | ○ 0557 | | ● 2699 | ● 0558 | | | | | | | | | | | |
| - UG General | VCMT331 - UG | .016 | .004 ~ .008 | .012 ~ .098 | | | | | | | ○ 0060 | | | | | | | | | |
| | VCMT332 - UG | .031 | .006 ~ .012 | .031 ~ .098 | ● 1853 | ○ 0946 | | ● 2422 | ● 0422 | ● 0956 | ○ 0061 | | | | | | | | | |
| NEW - MF Stainless steel Finishing | VCMT221 - MF | .016 | .002 ~ .008 | .004 ~ .067 | | | | | | | | | ● 2513 | ● 2014 | ● 2015 | ● 2016 | ● 2035 | | | |
| NEW - PF Cermet Medium | VCMT221 - PF | .016 | .002 ~ .008 | .004 ~ .067 | | | | | | | | | | | | | ● 2553 | | | |

Turning - Holder - External

# External Holders Overview

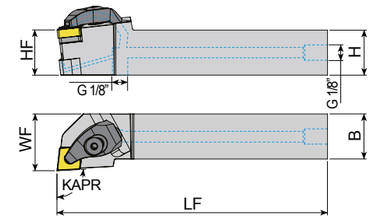
| Series | Turning Holder | | |
|---|---|---|---|
| CNMA CNMG |  DCBNR/L Double Clamp |  DCKNR/L Double Clamp |  DCLNR/L Double Clamp |
| p. 30 | p. 69 | p. 69 | p. 69 |
| DNMA DNMG DNGG DNMM DNUX |   DDJNR/L Double Clamp |   DDNNN Double Clamp | |
| p. 35 | p. 70 | p. 70 | |
| SNMA SNMG |  DSBNR/L Double Clamp |  DSDNN Double Clamp |  DSSNR/L Double Clamp |
| p. 42 | p. 71 | p. 71 | p. 71 |
| TNMA TNMG TNGG TNUX |  DTJNR/L Double Clamp | | |
| p. 47 | p. 72 | | |
| VNMA VNMG |  DVJNR/L Double Clamp |   DVVNN Double Clamp | |
| p. 51 | p. 73 | p. 73 | |
| WNMA WNMG WNGG |  DWLNR/L Double Clamp | | |
| p. 53 / 56 | p. 74 | | |





Turning - Holder - External

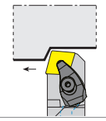
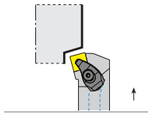
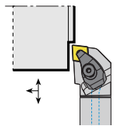
# Double Clamp with Internal coolant type for CN** Insert




* 'C' Letter at Last : Optional Clamp Included

: p. 30

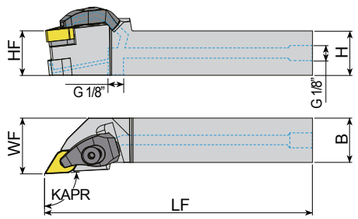
Unit : inch

| Series | | Designation | EDP 2700.. R | EDP 2700.. L | H (= HF) | B | WF | LF | Insert |
|---|---|---|---|---|---|---|---|---|---|
|  DCBNR/L Approach angle 75° | ● | DCBNR/L 124B - C | 2337 | 2336 | 0.75 | 0.75 | 0.79 | 4.5 | CNMG43 |
| | | DCBNR/L 164D - C | 1520 | 1521 | 1 | 1 | 0.79 | 6 | |
| | | DC BNR/L 204D - C | 1522 | 1523 | 1.25 | 1.25 | 0.99 | 6 | |
|  DCKNR/L Approach angle 75° | ● | DCKNR/L 124B - C | 2339 | 2338 | 0.75 | 0.75 | 1 | 4.5 | |
| | | DCKNR/L 164D - C | 1516 | 1517 | 1 | 1 | 1.25 | 6 | |
| | | DCKNR/L 204D - C | 1518 | 1519 | 1.25 | 1.25 | 1.5 | 6 | |
|  DCLNR/L Approach angle 75° | ● | DCLNR/L 164D - C | 1502 | 1503 | 1 | 1 | 1.25 | 6 | |
| | | DCLNR/L 165D - C | 1506 | 1507 | 1 | 1 | 1.25 | 6 | CNMG54 |
| | | DCLNR/L 204D - C | 1504 | 1505 | 1.25 | 1.25 | 1.5 | 6 | CNMG43 |
| | | DCLNR/L 205D - C | 1508 | 1509 | 1.25 | 1.25 | 1.5 | 6 | CNMG54 |
| | | DCLNR/L 206D - C | 1512 | 1513 | 1.25 | 1.25 | 1.5 | 6 | CNMG64 |
| | | DCLNR/L 245E - C | 2342 | 2340 | 1.5 | 1.5 | 2 | 7 | CNMG54 |
| | | DCLNR/L 246E - C | 2343 | 2341 | 1.5 | 1.5 | 2 | 7 | CNMG64 |
| | | DCLNR/L 124B - C | 1500 | 1501 | 0.75 | 0.75 | 1 | 4.5 | CNMG43 |

| Series | information | Shim | Shim Screw | Clamp | Clamp Screw | Spring | O - RING | Tork Wrench |
|---|---|---|---|---|---|---|---|---|
| DC..4 | Description | YAACN - 3 - 0001 | YAAV - 13 - M5x8 | YATKH - 01 - R<br>YATKH - 02 - L | YAKV - 33 - M6x22 | YAKY - 01 | YAXR - 01 | YAAL - 03 - 3 |
| | EDP | 18000137 | 18000163 | 18000220<br>18000221 | 18000222 | 28000044 | 18000223 | 18000061 |
| DC..5 | Description | YAACN - 3 - 0002 | YAAV - 05 - M6x10 | YATKH - 07 - R<br>YATKH - 08 - L | YAKV - 39 - M7x21 | YAKY - 02 | YAXR - 01 | YAAL - 03 - 3 |
| | EDP | 18000138 | 28000046 | 28000051<br>28000052 | 28000056 | 18000164 | 18000223 | 18000061 |
| DC..6 | Description | YAACN - 3 - 0003 | YAAV - 17 - M6x14 | YATKH - 09 - R<br>YATKH - 10 - L | YAKV - 39 - M7x21 | YAKY - 02 | YAXR - 01 | YAAL - 03 - 3 |
| | EDP | 18000139 | 28000057 | 28000053<br>28000054 | 28000056 | 18000164 | 18000223 | 18000061 |

Turning - Holder - External

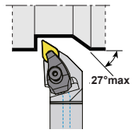
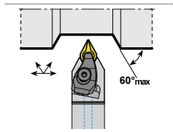
# Double Clamp with Internal coolant type for DN** Insert




* 'C' Letter at Last : Optional Clamp Included

: p. 35

Unit : inch

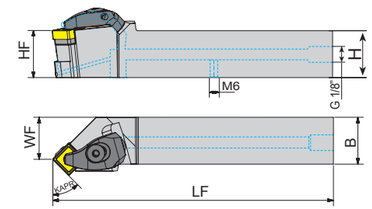
| Series | | | Designation | EDP 2700.. R | EDP 2700.. L | H (= HF) | B | WF | LF | Insert |
|---|---|---|---|---|---|---|---|---|---|---|
|  | DDJNR/L<br>Approach angle 93° | ● | DDJNR/L 124B - C | 1524 | 1525 | 0.75 | 0.75 | 1 | 4.5 | DNMG43 |
| | | | DDJNR/L 164D - C | 1526 | 1527 | 1 | 1 | 1.25 | 6 | |
| | | | DDJNR/L 204D - C | 1528 | 1529 | 1.25 | 1.25 | 1.5 | 6 | |
|  | DDNNN<br>Approach angle 62.5° | ● | DDNNN 164D - C | 1530 | | 1 | 1 | 0.5 | 6 | |
| | | | DDNNN 204D - C | 1531 | | 1.25 | 1.25 | 0.625 | 6 | |

| Series | information | Shim | Shim Screw | Clamp | Clamp Screw | Spring | O-RING | Tork Wrench |
|---|---|---|---|---|---|---|---|---|
| DDJ..4 | Description | YAADN - 3 - 0001 | YAAV - 13 - M5x8 | YATKH - 01 - R<br>YATKH - 02 - L | YAKV - 33 - M6x22 | YAKY - 01 | YAXR - 01 | YAAL - 03 - 3 |
| | EDP | 18000142 | 18000163 | 18000220<br>18000221 | 18000222 | 28000044 | 18000223 | 18000061 |
| DDN..4 | Description | YAADN - 3 - 0001 | YAAV - 13 - M5x8 | YATKH - 01 - R | YAKV - 33 - M6x22 | YAKY - 01 | YAXR - 01 | YAAL - 03 - 3 |
| | EDP | 18000142 | 18000163 | 18000220 | 18000222 | 28000044 | 18000223 | 18000061 |



Turning - Holder - External

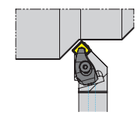
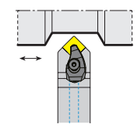
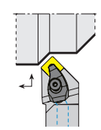
# Double Clamp with Internal coolant type for SN** Insert




* 'C' Letter at Last : Optional Clamp Included

: p. 42

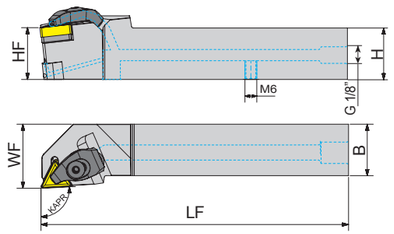
Unit : inch

| Series | | | Designation | EDP 2700.. R | EDP 2700.. L | H (= HF) | B | WF | LF | Insert |
|---|---|---|---|---|---|---|---|---|---|---|
|  | DSBNR/L<br>Approach angle 75° | ● | DSBNR/L 164D - C | 1532 | 1533 | 1 | 1 | 0.79 | 6 | SNMG43 |
| | | | DSBNR/L 165D - C | 1536 | 1537 | 1 | 1 | 0.79 | 6 | SNMG54 |
| | | | DSBNR/L 204D - C | 1534 | 1535 | 1.25 | 1.25 | 0.99 | 6 | SNMG43 |
| | | | DSBNR/L 205D - C | 1538 | 1539 | 1.25 | 1.25 | 0.99 | 6 | SNMG54 |
|  | DSDNN<br>Approach angle 45° | ● | DSDNN 164D - C | 1550 | | 1 | 1 | 0.5 | 6 | SNMG43 |
| | | | DSDNN 165D - C | 1552 | | 1 | 1 | 0.5 | 6 | SNMG54 |
| | | | DSDNN 204D - C | 1551 | | 1.25 | 1.25 | 0.625 | 6 | SNMG43 |
| | | | DSDNN 205D - C | 1553 | | 1.25 | 1.25 | 0.625 | 6 | SNMG54 |
| | | | DSDNN 245E - C | 2344 | | 1.5 | 1.5 | 0.75 | 7 | |
|  | DSSNR/L<br>Approach angle 45° | ● | DSSNR/L 164D - C | 1540 | 1541 | 1 | 1 | 1.25 | 6 | SNMG43 |
| | | | DSSNR/L 165D - C | 1544 | 1545 | 1 | 1 | 1.25 | 6 | SNMG54 |
| | | | DSSNR/L 204D - C | 1542 | 1543 | 1.25 | 1.25 | 1.5 | 6 | SNMG43 |
| | | | DSSNR/L 205D - C | 1546 | 1547 | 1.25 | 1.25 | 1.5 | 6 | SNMG54 |
| | | | DSSNR/L 245E - C | 2346 | 2345 | 1.5 | 1.5 | 2 | 5 | |

| Series | information | Shim | Shim Screw | Clamp | Clamp Screw | Spring | O-RING | Tork Wrench |
|---|---|---|---|---|---|---|---|---|
| DSB..4<br>DSS..4 | Description | YAASN - 3 - 0004 | YAAV - 13 - M5x8 | YATKH - 01 - R<br>YATKH - 02 - L | YAKV - 33 - M6x22 | YAKY - 01 | YAXR - 01 | YAAL - 03 - 3 |
| | EDP | 18000145 | 18000163 | 18000220<br>18000221 | 18000222 | 28000044 | 18000223 | 18000061 |
| DSB..5<br>DSS..5 | Description | YAASN - 3 - 0023 | YAAV - 05 - M6x10 | YATKH - 07 - R<br>YATKH - 08 - L | YAKV - 39 - M7x21 | YAKY - 02 | YAXR - 01 | YAAL - 03 - 3 |
| | EDP | 18000219 | 28000046 | 28000051<br>28000052 | 28000056 | 18000164 | 18000223 | 18000061 |
| DSD..4 | Description | YAASN - 3 - 0004 | YAAV - 13 - M5x8 | YATKH - 01 - R | YAKV - 33 - M6x22 | YAKY - 01 | YAXR - 01 | YAAL - 03 - 3 |
| | EDP | 18000145 | 18000163 | 18000220 | 18000222 | 28000044 | 18000223 | 18000061 |
| DSD..5 | Description | YAASN - 3 - 0023 | YAAV - 05 - M6x10 | YATKH - 07 - R | YAKV - 39 - M7x21 | YAKY - 02 | YAXR - 01 | YAAL - 03 - 3 |
| | EDP | 18000219 | 28000046 | 28000051 | 28000056 | 18000164 | 18000223 | 18000061 |

Turning - Holder - External

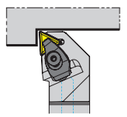
# Double Clamp with Internal coolant type for TN** Insert




* 'C' Letter at Last : Optional Clamp Included

: p. 47

Unit : inch

| Series | | | Designation | EDP 2700.. R | EDP 2700.. L | H (= HF) | B | WF | LF | Insert |
|---|---|---|---|---|---|---|---|---|---|---|
|  | DTJNR/L<br>Approach angle<br>93° | ● | DTJNR/L 163D - C | 1555 | 2347 | 1 | 1 | 1.25 | 6 | TNMG33 |
| | | | DTJNR/L 164D - C | 1559 | 2348 | 1 | 1 | 1.25 | 6 | TNMG43 |
| | | | DTJNR/L 203D - C | 1557 | 2349 | 1.25 | 1.25 | 1.5 | 6 | TNMG33 |
| | | | DTJNR/L 204D - C | 1561 | 2350 | 1.25 | 1.25 | 1.5 | 6 | TNMG43 |

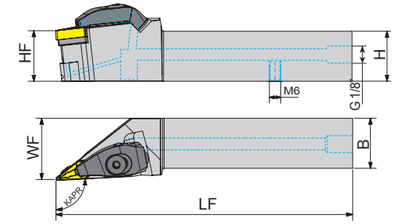
| Series | information | Shim | Shim Screw | Clamp | Clamp Screw | Spring | O-RING | Tork Wrench |
|---|---|---|---|---|---|---|---|---|
| DT..3 | Description | YAATN - 2 - 0002 | YAAV - 03 - M5x12 | YATKH - 03 - R<br>YATKH - 04 - L | YAKV - 37 - M5x18 | YAKY - 03 | YAXR - 01 | YAAL - 03 - 3 |
| | EDP | 18000147 | 18000157 | 28000047<br>28000048 | 28000055 | 28000045 | 18000223 | 18000061 |
| DT..4 | Description | YAATN - 3 - 0015 | YAAV - 13 - M5x8 | YATKH - 01 - R<br>YATKH - 02 - L | YAKV - 33 - M6x22 | YAKY - 01 | YAXR - 01 | YAAL - 03 - 3 |
| | EDP | 18000148 | 18000163 | 18000220<br>18000221 | 18000222 | 28000044 | 18000223 | 18000061 |





Turning - Holder - External

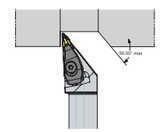
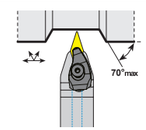
# Double Clamp with Internal coolant type for VN** Insert




* 'C' Letter at Last : Optional Clamp Included

: p. 51

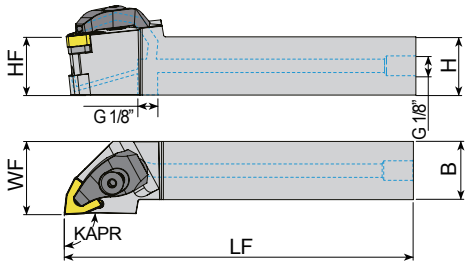
Unit : inch

| Series | | | Designation | EDP 2700.. R | EDP 2700.. L | H (= HF) | B | WF | LF | Insert |
|---|---|---|---|---|---|---|---|---|---|---|
|  | DVJNR/L<br>Approach angle<br>93° | ● | DVJNR/L 123B - C | 1563 | 1564 | 0.75 | 0.75 | 1 | 4 | VNMG33 |
| | | | DVJNR/L 163D - C | 1565 | 1566 | 1 | 1 | 1.25 | 6 | |
| | | | DVJNR/L 203D - C | 1567 | 1568 | 1.25 | 1.25 | 1.25 | 6 | |
|  | DVVNN<br>Approach angle<br>72.5° | | DVVNN 123B - C | 1569 | | 0.75 | 0.75 | 0.375 | 4 | |
| | | | DVVNN 163D - C | 1570 | | 1 | 1 | 0.5 | 6 | |

| Series | information | Shim | Shim Screw | Clamp | Clamp Screw | Spring | O-RING | Tork Wrench |
|---|---|---|---|---|---|---|---|---|
| DVJ..3 | Description | YAAVN - 2 - 0002 | YAAV - 04 - M5x12 | YATKH - 05 - R<br>YATKH - 06 - L | YAKV - 33 - M6x22 | YAKY - 01 | YAXR - 01 | YAAL - 03 - 3 |
| | EDP | 18000150 | 18000158 | 28000049<br>28000050 | 18000222 | 28000044 | 18000223 | 18000061 |
| DVV..3 | Description | YAAVN - 2 - 0002 | YAAV - 04 - M5x12 | YATKH - 05 - R<br>YATKH - 06 - L | YAKV - 33 - M6x22 | YAKY - 01 | YAXR - 01 | YAAL - 03 - 3 |
| | EDP | 18000150 | 18000158 | 28000049<br>28000050 | 18000222 | 28000044 | 18000223 | 18000061 |

## Turning - Holder - External

# Double Clamp with Internal coolant type for WN** Insert




* 'C' Letter at Last : Optional Clamp Included

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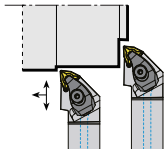
Unit : inch

| Series | | Designation | EDP 2700.. R | EDP 2700.. L | H (= HF) | B | WF | LF | Insert |
|---|---|---|---|---|---|---|---|---|---|
|  DWLNR/L Approach angle 95° | ● | DWLNR/L 123B - C | 1571 | 1572 | 0.75 | 0.75 | 1 | 4.5 | WNMG33 |
| | | DWLNR/L 124B - C | 1575 | 1576 | 0.75 | 0.75 | 1 | 4.5 | WNMG43 |
| | ● | DWLNR/L 163D - C | 1573 | 1574 | 1 | 1 | 1.25 | 6 | WNMG33 |
| | | DWLNR/L 164D - C | 1577 | 1578 | 1 | 1 | 1.25 | 6 | WNMG43 |
| | | DWLNR/L 204D - C | 1579 | 1580 | 1.25 | 1.25 | 1.5 | 6 | |

| Series | information | Shim | Shim Screw | Clamp | Clamp Screw | Spring | O-RING | Tork Wrench |
|---|---|---|---|---|---|---|---|---|
| DW..3 | Description | YAAWN - SW317 | YAAV - 01 - M3x10 | YATKH - 03 - R<br>YATKH - 04 - L | YAKV - 37 - M5x18 | YAKY - 03 | YAXR - 01 | YAAL - 03 - 3 |
| | EDP | 18000152 | 18000155 | 28000047<br>28000048 | 28000055 | 28000045 | 18000223 | 18000061 |
| DW..4 | Description | YAAWN - 3 - 0001 | YAAV - 13 - M5x8 | YATKH - 01 - R<br>YATKH - 02 - L | YAKV - 33 - M6x22 | YAKY - 01 | YAXR - 01 | YAAL - 03 - 3 |
| | EDP | 18000151 | 18000163 | 18000220<br>18000221 | 18000222 | 28000044 | 18000223 | 18000061 |

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