

Turning Inserts - Positive  
VCMT (35° Rhombic)

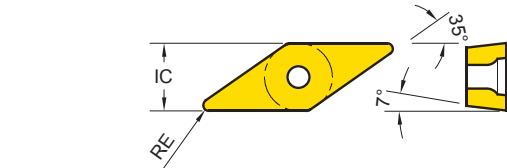
TURNING

PARTING & GROOVING

MILLING

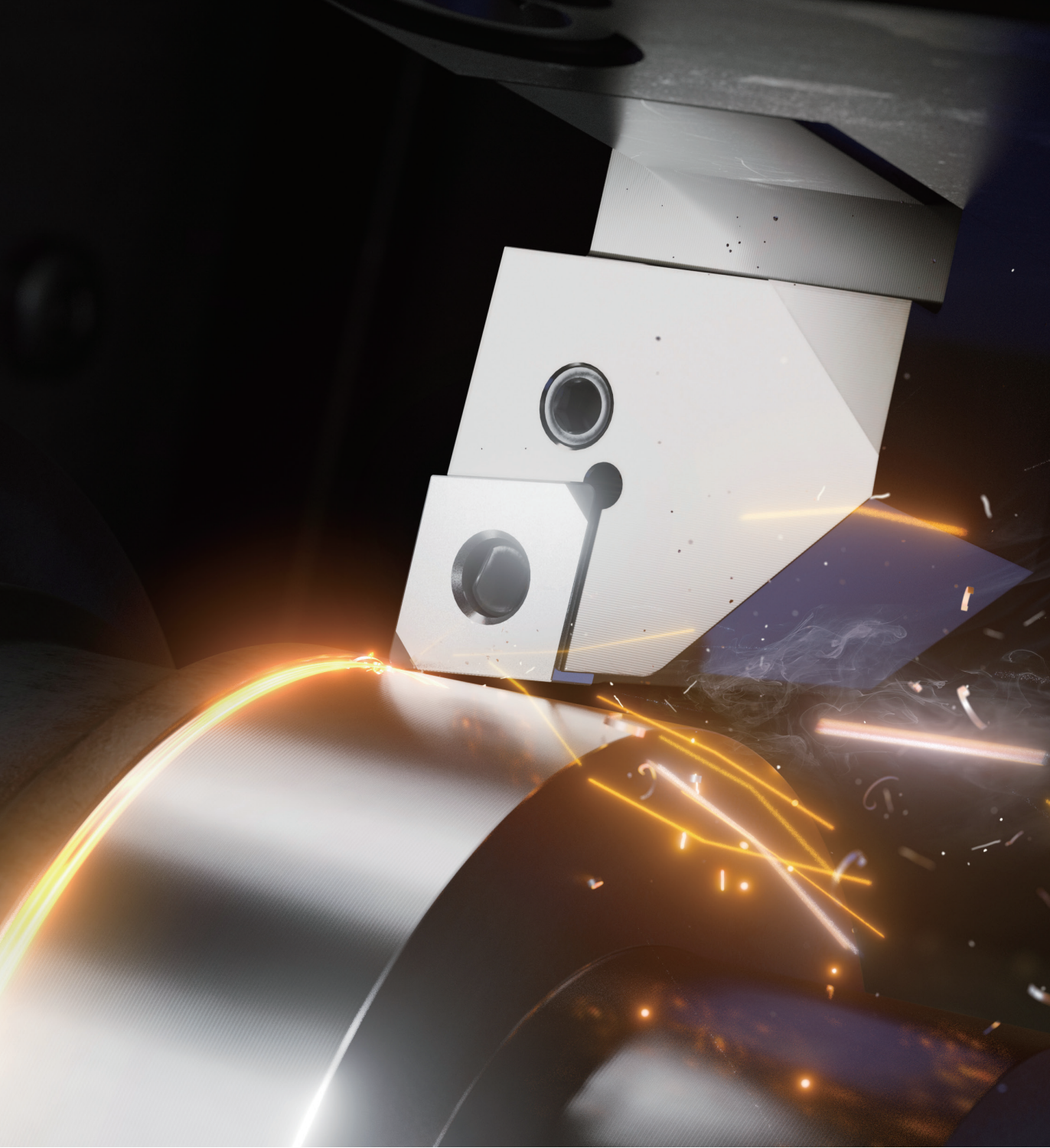
DRILLING

TECHNICAL INFORMATION



| Series  | IC   | S    |
|---------|------|------|
| VC.. 22 | .250 | .125 |
| VC.. 33 | .375 | .187 |

|                                                                                                                                                     |             |      |                 |             | EDP 2200..                           |        |        |        |        |        |        |        |        |       |        |        |       |       |       |       |       |       |        |       |      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------|-------------|------|-----------------|-------------|--------------------------------------|--------|--------|--------|--------|--------|--------|--------|--------|-------|--------|--------|-------|-------|-------|-------|-------|-------|--------|-------|------|
|                                                                                                                                                     |             |      |                 |             | ● : Stock item   ○ : Order made item |        |        |        |        |        |        |        |        |       |        |        |       |       |       |       |       |       |        |       |      |
| VCMT                                                                                                                                                | Designation | RE   | Fn<br>(In/rev.) | Ap<br>(In)  | YG1010                               | YG1001 | YG1020 | YG3010 | YG3015 | YG3115 | YG3125 | YG3020 | YG3030 | YG801 | YG2025 | YG2035 | YG211 | YG213 | YG214 | YG401 | YG411 | YT100 | YT100G | YG100 | YG10 |
| <div>RE</div> <div></div> <div>Stainless steel<br/>Finishing</div> | VCMT221-MF  | .016 | .002 ~ .008     | .004 ~ .067 |                                      |        |        |        |        |        |        |        |        |       | ●      | ●      | ●     | ●     | ●     | ●     | ●     |       |        |       |      |
|                                                                                                                                                     | VCMT331-MF  | .016 | .002 ~ .008     | .008 ~ .079 |                                      |        |        |        |        |        |        |        |        |       | ●      | ●      | ●     | ●     | ●     | ●     | ●     |       |        |       |      |
|                                                                                                                                                     | VCMT332-MF  | .031 | .003 ~ .011     | .012 ~ .079 |                                      |        |        |        |        |        |        |        |        |       | ●      | ●      | ●     | ●     | ●     | ●     | ●     |       |        |       |      |
| <div></div> <div>Stainless steel<br/>Medium</div>                  | VCMT221-MM  | .016 | .002 ~ .007     | .010 ~ .087 |                                      |        |        |        |        |        |        |        |        |       | ●      | ●      |       |       |       |       |       |       |        |       |      |
|                                                                                                                                                     | VCMT331-MM  | .016 | .003 ~ .008     | .010 ~ .106 |                                      |        |        |        |        |        |        |        |        |       | ●      | ●      | ●     | ●     | ●     | ●     | ●     |       |        |       |      |
|                                                                                                                                                     | VCMT332-MM  | .031 | .003 ~ .011     | .020 ~ .106 |                                      |        |        |        |        |        |        |        |        |       | ●      | ●      | ●     | ●     | ●     | ●     | ●     |       |        |       |      |
| <div></div> <div>Finishing</div>                                 | VCMT221-PF  | .016 | .002 ~ .008     | .004 ~ .067 |                                      |        |        |        |        | ●      |        |        | ●      |       |        |        |       |       |       |       | ●     | ○     |        |       |      |
|                                                                                                                                                     | VCMT331-PF  | .016 | .002 ~ .008     | .008 ~ .079 |                                      |        |        |        |        | ●      |        |        | ●      |       |        |        |       |       |       |       |       |       |        |       |      |
|                                                                                                                                                     | VCMT332-PF  | .031 | .003 ~ .011     | .012 ~ .079 |                                      |        |        |        |        | ●      |        |        | ●      |       |        |        |       |       |       |       |       |       |        |       |      |
| <div></div> <div>Medium</div>                                    | VCMT221-PM  | .016 | .002 ~ .007     | .010 ~ .087 |                                      |        |        |        |        | ●      |        |        | ●      |       |        |        |       |       |       |       |       |       |        |       |      |
|                                                                                                                                                     | VCMT331-PM  | .016 | .003 ~ .008     | .010 ~ .106 |                                      |        |        |        |        | ●      |        |        | ●      |       |        |        |       |       |       |       |       |       |        |       |      |
|                                                                                                                                                     | VCMT332-PM  | .031 | .003 ~ .011     | .020 ~ .106 |                                      |        |        |        |        | ●      |        |        | ●      |       |        |        |       |       |       |       |       |       |        |       |      |

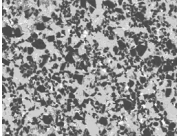
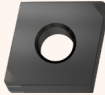
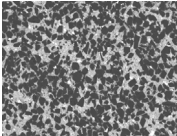
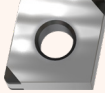
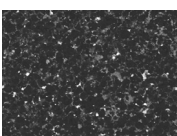


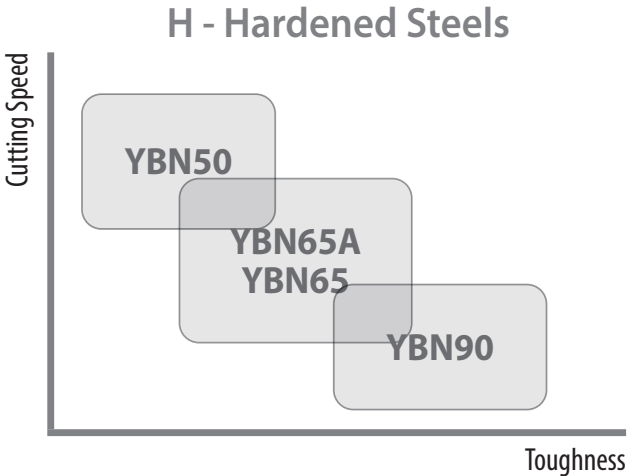
# PCBN TURNING

- Product Overview
- PCBN - Turning Inserts Overview
- PCBN Turning Inserts

PCBN - Turning Grades

| Turning Grades |        | K Cast iron |       |     |  | H Hardened Steel |        |       |  |
|----------------|--------|-------------|-------|-----|--|------------------|--------|-------|--|
|                |        | K10         | K20   | K30 |  | H10              | H20    | H30   |  |
| PCBN           | YBN50  |             |       |     |  | YBN50            |        |       |  |
|                | YBN65  |             |       |     |  |                  | YBN65  |       |  |
|                | YBN65A |             |       |     |  |                  | YBN65A |       |  |
|                | YBN90  |             | YBN90 |     |  |                  |        | YBN90 |  |

|                                                                           |                                                                                     |                                                                                     |                                                                                                                                                                                                                                                                                                                                                                 |
|---------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>NEW</div> <div>YBN50</div> <div>H5 - H15</div>                       |    |    | <div>Uncoated PCBN grade for Continuous to light interrupted turning of hardened steels</div> <ul style="list-style-type: none"><li>Low content PCBN with excellent chemical wear resistance</li></ul>                                                                                                                                                          |
| <div>NEW</div> <div>YBN65A</div> <div>H10 - H25</div>                     |   |   | <div>Coated PCBN Grade for Continuous to Medium interrupted turning of hardened steels</div> <ul style="list-style-type: none"><li>A coated(AITiSiN Multi layer) PCBN grade for higher cutting speed</li><li>Medium content PCBN with superior edge toughness, Good flank and crater wear resistance</li><li>Suitable for both roughing and finishing</li></ul> |
| <div>NEW</div> <div>YBN65</div> <div>H10 - H25</div>                      |  |  | <div>Uncoated PCBN grade for Continuous to Medium interrupted turning of hardened steels</div> <ul style="list-style-type: none"><li>Medium content PCBN with superior edge toughness, good flank and crater wear resistance</li><li>Suitable for both roughing and finishing</li></ul>                                                                         |
| <div>NEW</div> <div>YBN90</div> <div>H20 - H35</div> <div>K05 - K20</div> |  |  | <div>Uncoated PCBN grade of Severe interrupted turning of hardened steels, and the Stable machining of Gray Cast iron, Sintered alloy steel</div> <ul style="list-style-type: none"><li>High content PCBN with high wear resistance, superior impact strength</li><li>Excellent edge quality and retention</li></ul>                                            |

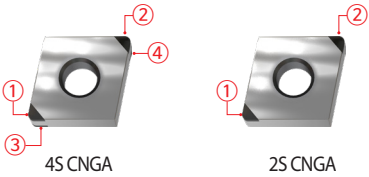


PCBN - Turning Insert Code System

|                       |             |                        |                  |                                    |               |
|-----------------------|-------------|------------------------|------------------|------------------------------------|---------------|
| 1                     | 2           | 3                      | 4                | 5                                  | 6             |
| 2                     | S           | CNGA432                | S                | 004 20                             | WG            |
| Number of PCBN corner | PCBN Length | Insert ISO Code System | Edge preparation | ① Chamfer width<br>② Chamfer angel | Special shape |

1 - Number of PCBN corner

|   |                 |
|---|-----------------|
| 1 | One corner PCBN |
| 2 | Two corner PCBN |



2 - PCBN Length

|    |                                     |
|----|-------------------------------------|
| N  | Normal PCBN tip length, Regrindable |
| S  | Small PCBN tip length One time use  |
| SD | Solid PCBN                          |
| FT | Full Top PCBN                       |

3 - Insert ISO Code System

|                   |
|-------------------|
| Refer to Page. 16 |
|-------------------|

4 - Edge preparation

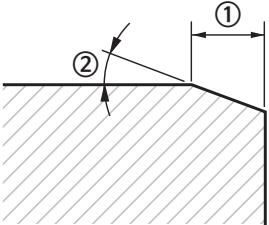
|   |                     |
|---|---------------------|
| T | T-Land, None Honing |
| S | T-Land with Honed   |
| X | Special land shape  |

5 - Chamfer

|   |                                    |
|---|------------------------------------|
| ① | Chamfer width (004 means .004inch) |
| ② | Chamfer angle (20 means 20°)       |

6 - Special shape

|      |          |
|------|----------|
| WG   | Wiper    |
| None | No Wiper |



Grade Name Code System

|              |           |                  |                 |
|--------------|-----------|------------------|-----------------|
| 1            | 2         | 3                | 4               |
| Y            | BN        | 65               | A               |
| Company Name | Materials | Contents of PCBN | Kind of Coating |

1 - Company Name

|   |      |
|---|------|
| Y | YG-1 |
|---|------|

2 - Materials

|    |      |
|----|------|
| BN | PCBN |
|----|------|

3 - Contents of PCBN

|    |     |
|----|-----|
| 50 | 50% |
| 65 | 65% |
| 90 | 90% |

4 - Kind of Coating

|      |                     |
|------|---------------------|
| None | Uncoated            |
| A    | AITiSiN multi-layer |
| B    | TiAlN-TiN           |

PCBN - Turning Inserts Overview

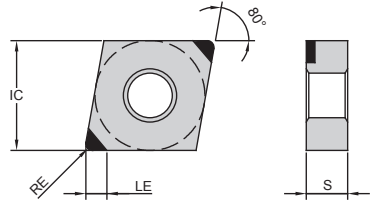
Negative Inserts

| Shape | Series | No. of PCBN Eege | Size & Thickness |  |  |  |    |  |    | Page |
|-------|--------|------------------|------------------|--|--|--|----|--|----|------|
| C     | CNGA   | 2                |                  |  |  |  |    |  | 43 | 73   |
|       |        | 4                |                  |  |  |  |    |  | 43 |      |
| D     | DNGA   | 2                |                  |  |  |  |    |  | 43 | 74   |
|       |        | 4                |                  |  |  |  |    |  | 43 |      |
| S     | SNGA   | 4                |                  |  |  |  |    |  | 43 | 75   |
| T     | TNGA   | 3                |                  |  |  |  | 33 |  |    | 76   |
|       |        | 6                |                  |  |  |  | 33 |  |    |      |
| V     | VNGA   | 2                |                  |  |  |  | 33 |  |    | 77   |
| W     | WNGA   | 3                |                  |  |  |  |    |  | 43 | 78   |
|       |        | 6                |                  |  |  |  |    |  | 43 |      |

Positive Inserts

| Shape | Series | No. of PCBN Eege | Size & Thickness |      |    |      |    |  |  | Page |
|-------|--------|------------------|------------------|------|----|------|----|--|--|------|
| C     | CCGW   | 2                |                  | 21.5 |    | 32.5 |    |  |  | 79   |
| D     | DCGW   | 2                |                  | 21.5 |    | 32.5 |    |  |  | 80   |
| S     | SCGW   | 2                |                  |      |    | 32.5 |    |  |  | 81   |
| T     | TCGW   | 3                | 1.81.5           | 21.5 |    | 32.5 |    |  |  | 82   |
|       | TPGW   | 3                | 1.81.5           |      | 22 |      | 33 |  |  | 83   |
| V     | VBGW   | 2                |                  |      | 22 |      | 33 |  |  | 84   |
|       | VCGW   | 2                |                  |      | 22 |      | 33 |  |  | 85   |

Turning Inserts - Negative  
CNGA - PCBN (80° Rhombic)



| Series  | IC   | S    |
|---------|------|------|
| CN.. 43 | .500 | .187 |

EDP 2200..

● : Stock item ○ : Order made item

| H05 - H15 | H10- H25 | H10- H25 | H20- H35<br>K05 - K20 |
|-----------|----------|----------|-----------------------|
|-----------|----------|----------|-----------------------|

**CNGA**

**Designation**

**RE**

**LE**

**Fn**  
(In/rev.)

**Ap**  
(In)

**No. of**  
**PCBN Eege**

**YBN50**

**YBN65**

**YBN65A**

**YBN90**

2S CNGA431 S00525

.016

.098

.001 ~ .008

.002 ~ .012

2

●  
3008

2S CNGA432 S00525

.031

.094

.001 ~ .008

.002 ~ .012

2

●  
3009

●  
3010

●  
3011

2S CNGA432 T00420

.031

.094

.001 ~ .008

.002 ~ .012

2

●  
3065

4S CNGA432 S00525

.031

.094

.001 ~ .008

.002 ~ .012

4

●  
3012

●  
3013

2S CNGA433 S00525

.047

.091

.001 ~ .008

.002 ~ .012

2

●  
3014

2S CNGA431 S00515WG

.016

.098

.001 ~ .008

.002 ~ .012

2

●  
3015

2S CNGA432 S00515WG

.031

.094

.001 ~ .008

.002 ~ .012

2

●  
3016

●  
3017

●  
3018

2S CNGA432 T00420 WG

.031

.094

.001 ~ .008

.002 ~ .012

2

●  
3066

4S CNGA432 S00515 WG

.031

.094

.001 ~ .008

.002 ~ .012

4

●  
3019

●  
3020

●  
3021

4S CNGA432 T00420 WG

.031

.094

.001 ~ .008

.002 ~ .012

4

●  
3067

2S CNGA433 S00515 WG

.047

.091

.001 ~ .008

.002 ~ .012

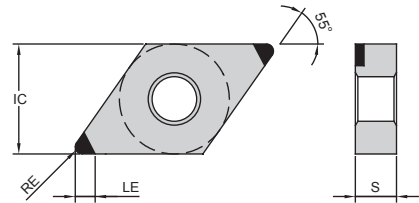
2

●  
3022

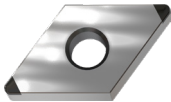


Turning Inserts - Negative  
DNGA - PCBN (55° Rhombic)

Refer to  
Turning holder  
p.88

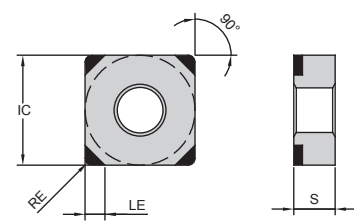


| Series  | IC   | S    |
|---------|------|------|
| DN.. 43 | .500 | .187 |
| DN.. 44 | .500 | .250 |

| DNGA                                                                              | Designation       | RE   | LE   | Fn<br>(In/rev.) | Ap<br>(In)  | No. of<br>PCBN Eege | H05 - H15 | H10- H25  | H10- H25  | H20- H35           |
|-----------------------------------------------------------------------------------|-------------------|------|------|-----------------|-------------|---------------------|-----------|-----------|-----------|--------------------|
|                                                                                   |                   |      |      |                 |             |                     | YBN50     | YBN65     | YBN65A    | K05 - K20<br>YBN90 |
|  | 2S DNGA431 S00525 | .016 | .098 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3023 |           |                    |
|                                                                                   | 2S DNGA432 S00525 | .031 | .091 | .001 ~ .008     | .002 ~ .012 | 2                   | ●<br>3024 | ●<br>3025 | ●<br>3026 |                    |
|                                                                                   | 2S DNGA432 T00420 | .031 | .091 | .001 ~ .008     | .002 ~ .012 | 2                   |           |           |           | ●<br>3068          |
|                                                                                   | 4S DNGA432 S00525 | .031 | .091 | .001 ~ .008     | .002 ~ .012 | 4                   |           | ●<br>3027 | ●<br>3028 |                    |
|                                                                                   | 2S DNGA433 S00525 | .047 | .079 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3029 |           |                    |
|                                                                                   | 2S DNGA441 S00525 | .016 | .098 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3030 |           |                    |
|                                                                                   | 2S DNGA442 S00525 | .031 | .091 | .001 ~ .008     | .002 ~ .012 | 2                   | ●<br>3031 | ●<br>3032 | ●<br>3033 |                    |
|                                                                                   | 2S DNGA442 T00420 | .031 | .091 | .001 ~ .008     | .002 ~ .012 | 2                   |           |           |           | ●<br>3069          |
|                                                                                   | 2S DNGA443 S00525 | .047 | .079 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3034 |           |                    |
|                                                                                   |                   |      |      |                 |             |                     |           |           |           |                    |

Turning Inserts - Negative  
SNGA - PCBN (Square)

Refer to  
Turning holder  
p.89

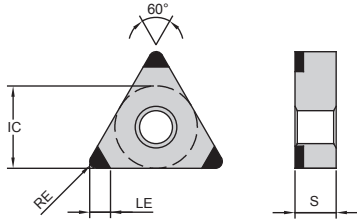


| Series  | IC   | S    |
|---------|------|------|
| SN.. 43 | .500 | .187 |

| SNGA                                                                                | Designation       | RE   | LE   | Fn<br>(In/rev.) | Ap<br>(In)  | No. of<br>PCBN Eege | H05 - H15 | H10- H25  | H10- H25  | H20- H35           |
|-------------------------------------------------------------------------------------|-------------------|------|------|-----------------|-------------|---------------------|-----------|-----------|-----------|--------------------|
|                                                                                     |                   |      |      |                 |             |                     | YBN50     | YBN65     | YBN65A    | K05 - K20<br>YBN90 |
|  | 4S SNGA431 S00525 | .016 | .091 | .001 ~ .008     | .002 ~ .012 | 4                   |           | ●<br>3035 |           |                    |
|                                                                                     | 4S SNGA432 S00525 | .031 | .091 | .001 ~ .008     | .002 ~ .012 | 4                   | ●<br>3036 | ●<br>3037 | ●<br>3038 |                    |
|                                                                                     | 4S SNGA432 T00420 | .031 | .091 | .001 ~ .008     | .002 ~ .012 | 4                   |           |           |           | ●<br>3070          |
|                                                                                     | 4S SNGA433 S00525 | .047 | .091 | .001 ~ .008     | .002 ~ .012 | 4                   |           | ●<br>3039 |           |                    |
|                                                                                     |                   |      |      |                 |             |                     |           |           |           |                    |

Turning Inserts - Negative  
TNGA - PCBN (60° Triangle)

Refer to  
Turning holder  
p.90



**TNGA**

**Designation**

**RE**

**LE**

**Fn**  
(In/rev.)

**Ap**  
(In)

**No. of  
PCBN Eege**

**YBN50**

**YBN65**

**YBN65A**

**YBN90**

3S TNGA331 S00525

.016

.102

.001 ~ .008

.002 ~ .012

3

●  
3040

3S TNGA332 S00525

.031

.091

.001 ~ .008

.002 ~ .012

3

●  
3041

●  
3042

●  
3043

3S TNGA332 T00420

.031

.091

.001 ~ .008

.002 ~ .012

3

●  
3071

6S TNGA332 S00525

.031

.091

.001 ~ .008

.002 ~ .012

6

●  
3044

●  
3045

3S TNGA333 S00525

.047

.079

.001 ~ .008

.002 ~ .012

3

●  
3046

H05 - H15

H10- H25

H10- H25

H20- H35

K05 - K20

**Series**

**TN.. 33**

**IC**

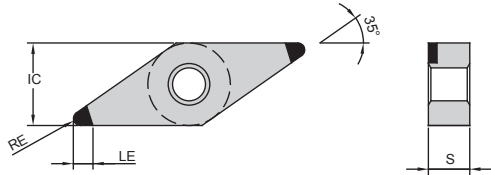
.375

**S**

.187

Refer to  
Turning holder  
p.91

Turning Inserts - Negative  
VNGA - PCBN (35° Rhombic)



| Series  | IC   | S    |
|---------|------|------|
| VN.. 33 | .375 | .187 |

**VNGA**

**Designation**

**RE**

**LE**

**Fn**  
(In/rev.)

**Ap**  
(In)

**No. of**  
**PCBN Edge**

H05 - H15

H10 - H25

H10 - H25

H20 - H35  
K05 - K20

**YBN50**

**YBN65**

**YBN65A**

**YBN90**

2S VNGA331 S00525

.016

.098

.001 ~ .008

.002 ~ .012

2

2S VNGA332 S00525

.031

.079

.001 ~ .008

.002 ~ .012

2

2S VNGA332 T00420

.031

.079

.001 ~ .008

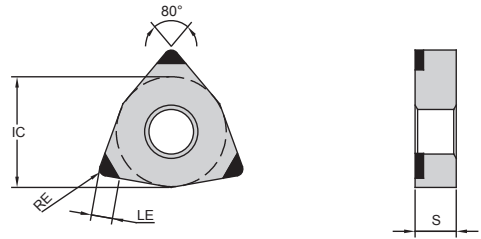
.002 ~ .012

2

3072

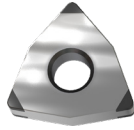
Turning Inserts - Negative  
WNGA - PCBN (80° Trigon)

Refer to  
Turning holder  
p.92

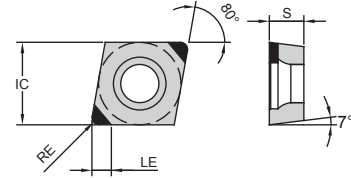


| Series  | IC   | S    |
|---------|------|------|
| WN.. 43 | .500 | .187 |

| WNGA | Designation          | RE   | LE   | Fn<br>(In/rev.) | Ap<br>(In)  | No. of<br>PCBN Eege | H05 - H15 | H10- H25  | H10- H25  | H20- H35           |
|------|----------------------|------|------|-----------------|-------------|---------------------|-----------|-----------|-----------|--------------------|
|      |                      |      |      |                 |             |                     | YBN50     | YBN65     | YBN65A    | K05 - K20<br>YBN90 |
|      | 3S WNGA431 S00525    | .016 | .098 | .001 ~ .008     | .002 ~ .012 | 3                   |           | ●<br>3051 |           |                    |
|      | 3S WNGA432 S00525    | .031 | .094 | .001 ~ .008     | .002 ~ .012 | 3                   | ●<br>3052 | ●<br>3053 | ●<br>3054 |                    |
|      | 3S WNGA432 T00420    | .031 | .094 | .001 ~ .008     | .002 ~ .012 | 3                   |           |           |           | ●<br>3073          |
|      | 6S WNGA432 S00525    | .031 | .094 | .001 ~ .008     | .002 ~ .012 | 6                   |           | ●<br>3055 | ●<br>3056 |                    |
|      | 3S WNGA433 S00525    | .047 | .091 | .001 ~ .008     | .002 ~ .012 | 3                   |           | ●<br>3057 |           |                    |
|      | 3S WNGA431 S00515 WG | .016 | .098 | .001 ~ .008     | .002 ~ .012 | 3                   |           | ●<br>3058 |           |                    |
|      | 3S WNGA432 S00515 WG | .031 | .094 | .001 ~ .008     | .002 ~ .012 | 3                   | ●<br>3059 | ●<br>3060 | ●<br>3061 |                    |
|      | 3S WNGA432 T00420 WG | .031 | .094 | .001 ~ .008     | .002 ~ .012 | 3                   |           |           |           | ●<br>3074          |
|      | 6S WNGA432 S00515 WG | .031 | .094 | .001 ~ .008     | .002 ~ .012 | 6                   |           | ●<br>3062 | ●<br>3063 |                    |
|      | 3S WNGA433 S00515 WG | .047 | .091 | .001 ~ .008     | .002 ~ .012 | 3                   |           | ●<br>3064 |           |                    |



Turning Inserts - Positive  
CCGW - PCBN (80° Rhombic)

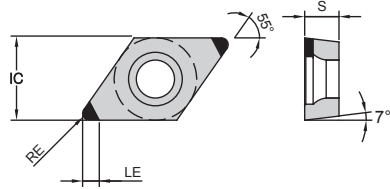


| Series    | IC   | S    |
|-----------|------|------|
| CC.. 21.5 | .250 | .094 |
| CC.. 32.5 | .375 | .156 |

| CCGW | Designation            | RE   | LE   | Fn<br>(In/rev.) | Ap<br>(In)  | No. of<br>PCBN Eege | H05 - H15 | H10- H25  | H10- H25  | H20- H35           |
|------|------------------------|------|------|-----------------|-------------|---------------------|-----------|-----------|-----------|--------------------|
|      |                        |      |      |                 |             |                     | YBN50     | YBN65     | YBN65A    | K05 - K20<br>YBN90 |
|      | 2S CCGW21.50.5 S00525  | .008 | .102 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3075 |           |                    |
|      | 2S CCGW21.51 S00525    | .016 | .098 | .001 ~ .008     | .002 ~ .012 | 2                   | ●<br>3076 | ●<br>3077 | ●<br>3078 |                    |
|      | 2S CCGW21.51 T00420    | .016 | .098 | .001 ~ .008     | .002 ~ .012 | 2                   |           |           |           | ●<br>3133          |
|      | 2S CCGW21.52 S00525    | .031 | .094 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3079 | ●<br>3080 |                    |
|      | 2S CCGW32.50.5 S00525  | .008 | .102 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3081 |           |                    |
|      | 2S CCGW32.51 S00525    | .016 | .098 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3082 | ●<br>3083 |                    |
|      | 2S CCGW32.52 S00525    | .031 | .094 | .001 ~ .008     | .002 ~ .012 | 2                   | ●<br>3084 | ●<br>3085 | ●<br>3086 |                    |
|      | 2S CCGW32.52 T00420    | .031 | .094 | .001 ~ .008     | .002 ~ .012 | 2                   |           |           |           | ●<br>3134          |
|      | 2S CCGW32.51 S00515 WG | .016 | .098 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3087 | ●<br>3088 |                    |
|      | 2S CCGW32.52 S00515 WG | .031 | .094 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3089 | ●<br>3090 |                    |



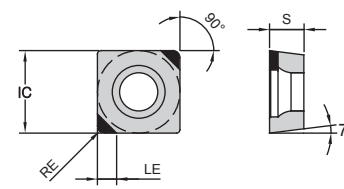
Turning Inserts - Positive  
DCGW - PCBN (55° Rhombic)



| Series    | IC   | S    |
|-----------|------|------|
| DC.. 21.5 | .250 | .094 |
| DC.. 32.5 | .375 | .156 |

| DCGW | Designation           | RE   | LE   | Fn<br>(In/rev.) | Ap<br>(In)  | No. of<br>PCBN Eege | H05 - H15 | H10- H25  | H10- H25  | H20- H35           |
|------|-----------------------|------|------|-----------------|-------------|---------------------|-----------|-----------|-----------|--------------------|
|      |                       |      |      |                 |             |                     | YBN50     | YBN65     | YBN65A    | K05 - K20<br>YBN90 |
|      | 2S DCGW21.50.5 S00525 | .008 | .106 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3091 |           |                    |
|      | 2S DCGW21.51 S00525   | .016 | .098 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3092 | ●<br>3093 |                    |
|      | 2S DCGW21.52 S00525   | .031 | .091 | .001 ~ .008     | .002 ~ .012 | 2                   | ●<br>3094 | ●<br>3095 | ●<br>3096 |                    |
|      | 2S DCGW21.52 T00420   | .031 | .091 | .001 ~ .008     | .002 ~ .012 | 2                   |           |           |           | ●<br>3135          |
|      | 2S DCGW32.50.5 S00525 | .008 | .106 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3097 | ●<br>3098 |                    |
|      | 2S DCGW32.51 S00525   | .016 | .098 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3099 | ●<br>3100 |                    |
|      | 2S DCGW32.52 S00525   | .031 | .091 | .001 ~ .008     | .002 ~ .012 | 2                   | ●<br>3101 | ●<br>3102 | ●<br>3103 |                    |
|      | 2S DCGW32.52 T00420   | .031 | .091 | .001 ~ .008     | .002 ~ .012 | 2                   |           |           |           | ●<br>3136          |

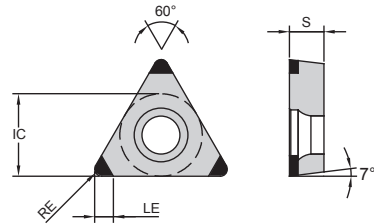
Turning Inserts - Positive  
SCGW - PCBN (Square)



| Series    | IC   | S    |
|-----------|------|------|
| SC.. 32.5 | .375 | .156 |

| SCGW | Designation         | RE   | LE   | Fn<br>(In/rev.) | Ap<br>(In)  | No. of<br>PCBN Eege | H05 - H15 | H10- H25  | H10- H25 | H20- H35           |
|------|---------------------|------|------|-----------------|-------------|---------------------|-----------|-----------|----------|--------------------|
|      |                     |      |      |                 |             |                     | YBN50     | YBN65     | YBN65A   | K05 - K20<br>YBN90 |
|      | 2S SCGW32.51 S00525 | .016 | .091 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3104 |          |                    |
|      | 2S SCGW32.52 S00525 | .031 | .091 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3105 |          |                    |

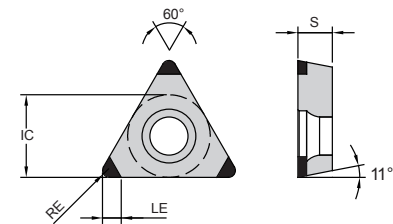
Turning Inserts - Positive  
TCGW - PCBN (Triangle)



| Series      | IC   | S    |
|-------------|------|------|
| TC.. 1.81.5 | .219 | .094 |
| TC.. 21.5   | .250 | .094 |
| TC.. 32.5   | .375 | .156 |

| TCGW | Designation           | RE   | LE   | Fn<br>(In/rev.) | Ap<br>(In)  | No. of<br>PCBN Eege | H05 - H15 | H10- H25  | H10- H25  | H20- H35  |
|------|-----------------------|------|------|-----------------|-------------|---------------------|-----------|-----------|-----------|-----------|
|      |                       |      |      |                 |             |                     | YBN50     | YBN65     | YBN65A    | K05 - K20 |
|      | 3S TCGW1.81.51 S00525 | .016 | .102 | .001 ~ .008     | .002 ~ .012 | 3                   |           | ●<br>3106 |           |           |
|      | 3S TCGW21.51 S00525   | .016 | .102 | .001 ~ .008     | .002 ~ .012 | 3                   |           | ●<br>3107 | ●<br>3108 |           |
|      | 3S TCGW21.52 S00525   | .031 | .091 | .001 ~ .008     | .002 ~ .012 | 3                   |           | ●<br>3109 | ●<br>3110 |           |
|      | 3S TCGW32.51 S00525   | .016 | .102 | .001 ~ .008     | .002 ~ .012 | 3                   |           | ●<br>3111 | ●<br>3112 |           |
|      | 3S TCGW32.52 S00525   | .031 | .091 | .001 ~ .008     | .002 ~ .012 | 3                   | ●<br>3113 | ●<br>3114 | ●<br>3115 |           |
|      | 3S TCGW32.52 T00420   | .031 | .091 | .001 ~ .008     | .002 ~ .012 | 3                   |           |           |           | ●<br>3137 |

Turning Inserts - Positive  
TPGW - PCBN (Triangle)

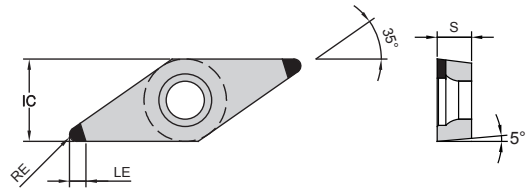


| Series      | IC   | S    |
|-------------|------|------|
| TP.. 1.81.5 | .219 | .094 |
| TP.. 22     | .250 | .125 |
| TP.. 33     | .375 | .187 |

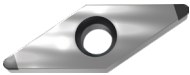
| TPGW | Designation          | RE   | LE   | Fn<br>(In/rev.) | Ap<br>(In)  | No. of<br>PCBN Eege | H05 - H15 | H10- H25  | H10- H25 | H20- H35  |
|------|----------------------|------|------|-----------------|-------------|---------------------|-----------|-----------|----------|-----------|
|      |                      |      |      |                 |             |                     | YBN50     | YBN65     | YBN65A   | K05 - K20 |
|      | 3STPGW1.81.51 S00525 | .016 | .102 | .001 ~ .008     | .002 ~ .012 | 3                   |           | ●<br>3116 |          |           |
|      | 3STPGW1.81.52 S00525 | .031 | .091 | .001 ~ .008     | .002 ~ .012 | 3                   |           | ●<br>3117 |          |           |
|      | 3S TPGW221 S00525    | .016 | .102 | .001 ~ .008     | .002 ~ .012 | 3                   |           | ●<br>3118 |          |           |
|      | 3S TPGW222 S00525    | .031 | .091 | .001 ~ .008     | .002 ~ .012 | 3                   |           | ●<br>3119 |          |           |
|      | 3S TPGW331 S00525    | .016 | .102 | .001 ~ .008     | .002 ~ .012 | 3                   |           | ●<br>3120 |          |           |
|      | 3S TPGW332 S00525    | .031 | .091 | .001 ~ .008     | .002 ~ .012 | 3                   |           | ●<br>3121 |          |           |



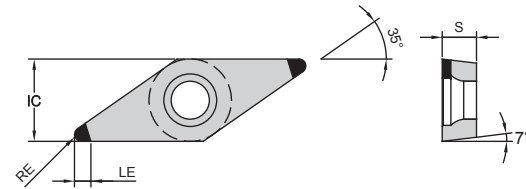
Turning Inserts - Positive  
VBGW - PCBN (35° Rhombic)



| Series  | IC   | S    |
|---------|------|------|
| VB.. 22 | .250 | .125 |
| VB.. 33 | .375 | .187 |

| VBGW                                                                              | Designation       | RE   | LE   | Fn<br>(In/rev.) | Ap<br>(In)  | No. of<br>PCBN Eege | H05 - H15 | H10- H25  | H10- H25  | H20- H35<br>K05 - K20 |
|-----------------------------------------------------------------------------------|-------------------|------|------|-----------------|-------------|---------------------|-----------|-----------|-----------|-----------------------|
|                                                                                   |                   |      |      |                 |             |                     | YBN50     | YBN65     | YBN65A    | YBN90                 |
|  | 2S VBGW221 S00525 | .016 | .098 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3122 |           |                       |
|                                                                                   | 2S VBGW222 S00525 | .031 | .079 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3123 |           |                       |
|                                                                                   | 2S VBGW331 S00525 | .016 | .098 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3124 | ●<br>3125 |                       |
|                                                                                   | 2S VBGW332 S00525 | .031 | .079 | .001 ~ .008     | .002 ~ .012 | 2                   | ●<br>3126 | ●<br>3127 | ●<br>3128 |                       |
|                                                                                   | 2S VBGW332 T00420 | .031 | .079 | .001 ~ .008     | .002 ~ .012 | 2                   |           |           |           | ●<br>3138             |

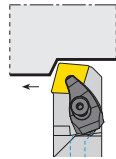
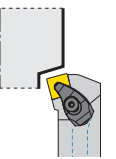
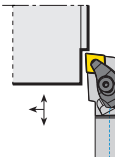
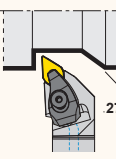
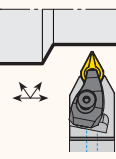
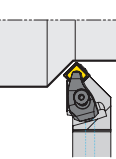
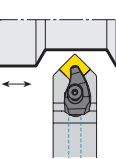
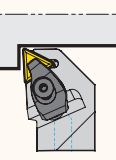
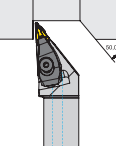
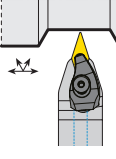
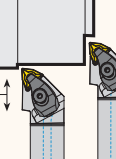
Turning Inserts - Positive  
VCGW - PCBN (35° Rhombic)



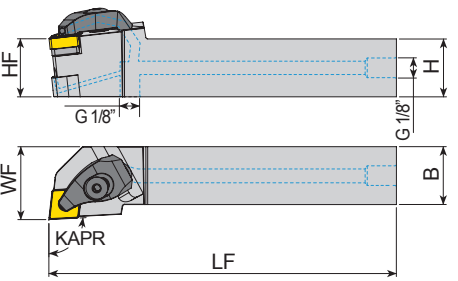
| Series  | IC   | S    |
|---------|------|------|
| VC.. 22 | .250 | .125 |
| VC.. 33 | .375 | .187 |

| VCGW                                                                                | Designation       | RE   | LE   | Fn<br>(In/rev.) | Ap<br>(In)  | No. of<br>PCBN Eege | H05 - H15 | H10- H25  | H10- H25 | H20- H35<br>K05 - K20 |
|-------------------------------------------------------------------------------------|-------------------|------|------|-----------------|-------------|---------------------|-----------|-----------|----------|-----------------------|
|                                                                                     |                   |      |      |                 |             |                     | YBN50     | YBN65     | YBN65A   | YBN90                 |
|  | 2S VCGW221 S00525 | .016 | .098 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3129 |          |                       |
|                                                                                     | 2S VCGW222 S00525 | .031 | .079 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3130 |          |                       |
|                                                                                     | 2S VCGW331 S00525 | .016 | .098 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3131 |          |                       |
|                                                                                     | 2S VCGW332 S00525 | .031 | .079 | .001 ~ .008     | .002 ~ .012 | 2                   |           | ●<br>3132 |          |                       |

External Holders Overview

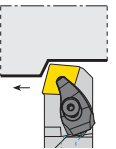
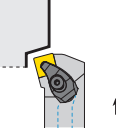
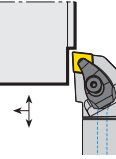
| Series                                                                              |                                      | Turning Holder                                                                      |                      |       |       |
|-------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------------------------------------------------------|----------------------|-------|-------|
|    | CNMA<br>CNMG<br>CNGG<br>CNMM         |    | DCBNR/L Double Clamp |       |       |
|                                                                                     |                                      |    | DCKNR/L Double Clamp |       |       |
|                                                                                     |                                      |  | DCLNR/L Double Clamp |       |       |
|                                                                                     |                                      | p. 26                                                                               | p. 87                | p. 87 | p. 87 |
|    | DNMA<br>DNMG<br>DNGG<br>DNMM<br>DNUX |    | DDJNR/L Double Clamp |       |       |
|                                                                                     |                                      |    | DDNNN Double Clamp   |       |       |
|                                                                                     |                                      | p. 31                                                                               | p. 88                | p. 88 |       |
|                                                                                     |                                      |                                                                                     |                      |       |       |
|    | SNMA<br>SNMG<br>SNMM                 |   | DSBNR/L Double Clamp |       |       |
|                                                                                     |                                      |   | DSDNN Double Clamp   |       |       |
|                                                                                     |                                      | p. 38                                                                               | p. 89                | p. 89 | p. 89 |
|                                                                                     |                                      |                                                                                     |                      |       |       |
|  | TNMA<br>TNMG<br>TNGG<br>TNMM<br>TNUX |  | DTJNR/L Double Clamp |       |       |
|                                                                                     |                                      | p. 42                                                                               | p. 90                |       |       |
|                                                                                     |                                      |                                                                                     |                      |       |       |
|                                                                                     |                                      |                                                                                     |                      |       |       |
|  | VNMA<br>VNMG<br>VNGG                 |  | DVJNR/L Double Clamp |       |       |
|                                                                                     |                                      |  | DVVNN Double Clamp   |       |       |
|                                                                                     |                                      | p. 49                                                                               | p. 91                | p. 91 |       |
|                                                                                     |                                      |                                                                                     |                      |       |       |
|  | WNMA<br>WNMG<br>WNGG                 |  | DWLNR/L Double Clamp |       |       |
|                                                                                     |                                      | p. 51                                                                               | p. 92                |       |       |
|                                                                                     |                                      |                                                                                     |                      |       |       |
|                                                                                     |                                      |                                                                                     |                      |       |       |

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



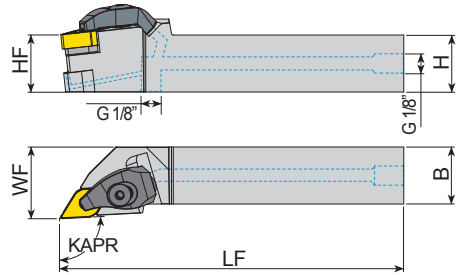
\* 'C' Letter at Last : Optional Clamp Included

Unit: inch

| Series                                                                                | Designation      | EDP 2700..<br>R | L    | H (= HF) | B    | WF   | LF  | Insert |
|---------------------------------------------------------------------------------------|------------------|-----------------|------|----------|------|------|-----|--------|
|    | DCBNR/L 124B - C | 2337            | 2336 | .75      | .75  | .79  | 4.5 | CNMG43 |
|                                                                                       | DCBNR/L 164D - C | 1520            | 1521 | 1        | 1    | .79  | 6   |        |
|                                                                                       | DCBNR/L 204D - C | 1522            | 1523 | 1.25     | 1.25 | .99  | 6   |        |
|    | DCKNR/L 124B - C | 2339            | 2338 | .75      | .75  | 1    | 4.5 | CNMG43 |
|                                                                                       | 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 164D - C | 1502            | 1503 | 1        | 1    | 1.25 | 6   | CNMG54 |
|                                                                                       | DCLNR/L 165D - C | 1506            | 1507 | 1        | 1    | 1.25 | 6   |        |
|                                                                                       | 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 | .75      | .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-02-M5x12 | YATKH-01-R<br>YATKH-02-L | YAKV-33-M6X22 | YAKY-01              | YAXR-01  | YAAL-03-3   |
|        | EDP         | 18000137     | 18000156      | 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-01<br>YAKY-02   | YAXR-01  | YAAL-05-4   |
|        | EDP         | 18000138     | 28000046      | 28000051<br>28000052     | 28000056      | 28000044<br>18000164 | 18000223 | 18000062    |
| DC..6  | Description | YAACN-3-0003 | YAAV-17-M6x14 | YATKH-09-R<br>YATKH-10-L | YAKV-39-M7X21 | YAKY-02              | YAXR-01  | YAAL-05-4   |
|        | EDP         | 18000139     | 28000057      | 28000053<br>28000054     | 28000056      | 18000164             | 18000223 | 18000062    |

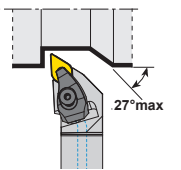
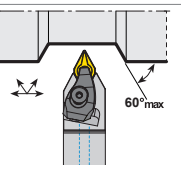
Double Clamp with Internal coolant type for DN\*\* Insert



\* 'C' Letter at Last : Optional Clamp Included

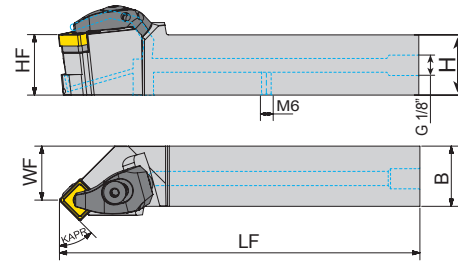
□ : p.31

Unit:inch

| Series                                                                                                                     | Designation      | EDP 2700..<br>R L | H (= HF) | B    | WF   | LF  | Insert |
|----------------------------------------------------------------------------------------------------------------------------|------------------|-------------------|----------|------|------|-----|--------|
|  <b>DDJNR/L</b><br>Approach angle<br>93°  | DDJNR/L 124B - C | 1524 1525         | .75      | .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   |        |
|  <b>DDNNN</b><br>Approach angle<br>62.5° | DDNNN 164D - C   | 1530              | 1        | 1    | .5   | 6   | DNMG43 |
|                                                                                                                            | DDNNN 204D - C   | 1531              | 1.25     | 1.25 | .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    |

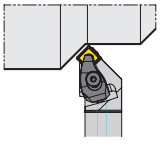
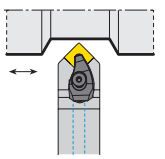
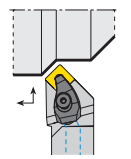
Double Clamp with Internal coolant type for SN\*\* Insert



\* 'C' Letter at Last : Optional Clamp Included

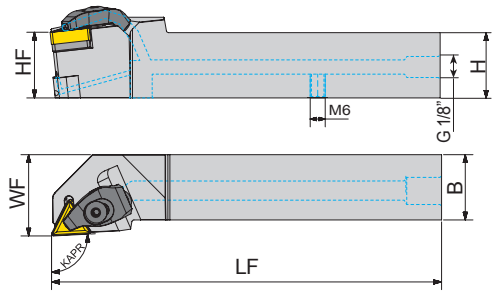
□ : p.38

Unit:inch

| Series                                                                                                                        | Designation      | EDP 2700..<br>R L | H (= HF) | B    | WF   | LF | Insert |
|-------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------|----------|------|------|----|--------|
|  <b>DSBNR/L</b><br>Approach angle<br>75°   | DSBNR/L 164D - C | 1532 1533         | 1        | 1    | .79  | 6  | SNMG43 |
|                                                                                                                               | DSBNR/L 165D - C | 1536 1537         | 1        | 1    | .79  | 6  | SNMG54 |
|                                                                                                                               | DSBNR/L 204D - C | 1534 1535         | 1.25     | 1.25 | .99  | 6  | SNMG43 |
|                                                                                                                               | DSBNR/L 205D - C | 1538 1539         | 1.25     | 1.25 | .99  | 6  | SNMG54 |
|  <b>DSDNN</b><br>Approach angle<br>45°    | DSDNN 164D - C   | 1550              | 1        | 1    | .5   | 6  | SNMG43 |
|                                                                                                                               | DSDNN 165D - C   | 1552              | 1        | 1    | .5   | 6  | SNMG54 |
|                                                                                                                               | DSDNN 204D - C   | 1551              | 1.25     | 1.25 | .625 | 6  | SNMG43 |
|                                                                                                                               | DSDNN 205D - C   | 1553              | 1.25     | 1.25 | .625 | 6  | SNMG54 |
|                                                                                                                               | DSDNN 245E - C   | 2344              | 1.5      | 1.5  | .75  | 7  | SNMG54 |
|  <b>DSSNR/L</b><br>Approach angle<br>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  | SNMG54 |

| Series         | information | Shim         | Shim Screw    | Clamp                    | Clamp Screw   | Spring   | O-RING   | Tork Wrench |
|----------------|-------------|--------------|---------------|--------------------------|---------------|----------|----------|-------------|
| DSB.4<br>DSS.4 | Description | YAASN-3-0004 | YAAV-02-M5x12 | YATKH-01-R<br>YATKH-02-L | YAKV-33-M6X22 | YAKY-01  | YAXR-01  | YAAL-03-3   |
|                | EDP         | 18000145     | 18000156      | 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-05-4   |
|                | EDP         | 18000219     | 28000046      | 28000051<br>28000052     | 28000056      | 18000164 | 18000223 | 18000062    |
| DSD.4          | Description | YAASN-3-0004 | YAAV-02-M5x12 | YATKH-01-R               | YAKV-33-M6X22 | YAKY-01  | YAXR-01  | YAAL-03-3   |
|                | EDP         | 18000145     | 18000156      | 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-05-4   |
|                | EDP         | 18000219     | 28000046      | 28000051                 | 28000056      | 18000164 | 18000223 | 18000062    |

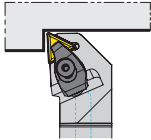
Double Clamp with Internal coolant type for TN\*\* Insert



\* 'C' Letter at Last : Optional Clamp Included

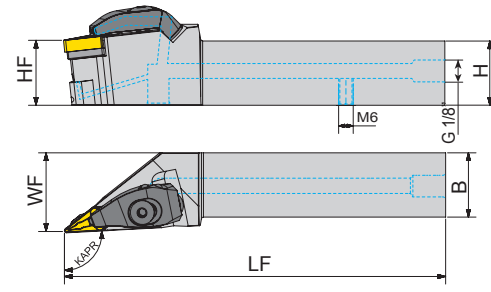
□: p.42

Unit:inch

| Series                                                                                                                       | Designation      | EDP 2700..<br>R L | H (= HF) | B    | WF   | LF | Insert |
|------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------|----------|------|------|----|--------|
| <br><b>DTJNR/L</b><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-02  | YAAL-02-2.5 |
|        | EDP         | 18000147     | 18000157      | 28000047<br>28000048     | 28000055      | 28000045 | 28000078 | 18000060    |
| DT.4   | Description | YAATN-3-0015 | YAAV-02-M5x12 | YATKH-01-R<br>YATKH-02-L | YAKV-33-M6X22 | YAKY-01  | YAXR-01  | YAAL-03-3   |
|        | EDP         | 18000148     | 18000156      | 18000220<br>18000221     | 18000222      | 28000044 | 18000223 | 18000061    |

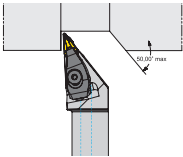
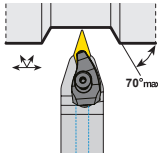
Double Clamp with Internal coolant type for VN\*\* Insert



\* 'C' Letter at Last : Optional Clamp Included

□: p.49

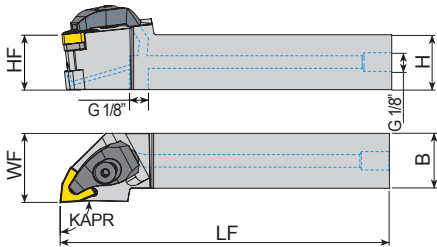
Unit:inch

| Series                                                                                                                                                                                                                                                                | Designation      | EDP 2700..<br>R L | H (= HF) | B    | WF   | LF | Insert |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------|-------------------|----------|------|------|----|--------|
| <br><b>DVJNR/L</b><br>Approach angle<br>93°<br><br><br><b>DVVNN</b><br>Approach angle<br>72.5° | DVJNR/L 123B - C | 1563 1564         | .75      | .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 123B - C   | 1569              | .75      | .75  | .375 | 4  |        |
|                                                                                                                                                                                                                                                                       | DVVNN 163D - C   | 1570              | 1        | 1    | .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               | YAKV-33-M6X22 | YAKY-01  | YAXR-01  | YAAL-03-3   |
|        | EDP         | 18000150     | 18000158      | 28000049                 | 18000222      | 28000044 | 18000223 | 18000061    |



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



\* 'C' Letter at Last : Optional Clamp Included

: p. 51

Unit: inch

| Series                                   | Designation      | EDP 2700..<br>R L | H (= HF) | B    | WF   | LF  | Insert |
|------------------------------------------|------------------|-------------------|----------|------|------|-----|--------|
| <br><b>DWLNR/L</b><br>Approach angle 95° | DWLNR/L 123B - C | 1571 1572         | .75      | .75  | 1    | 4.5 | WNMG33 |
|                                          | DWLNR/L 124B - C | 1575 1576         | .75      | .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   |        |



# PARTING & GROOVING

## Parting & Grooving Inserts Overview

### Parting & Grooving Inserts

### Parting & Grooving Holders

| Series | information | Shim         | Shim Screw    | Clamp                    | Clamp Screw   | Spring   | O-RING   | Tork Wrench |
|--------|-------------|--------------|---------------|--------------------------|---------------|----------|----------|-------------|
| DW.3   | Description | YAAWN-SW317  | YAAV-01-M3x10 | YATKH-01-R<br>YATKH-02-L | YAKV-37-MSX18 | YAKY-03  | YAXR-02  | YAAL-02-2.5 |
|        | EDP         | 18000152     | 18000155      | 18000220<br>18000221     | 28000055      | 28000045 | 28000078 | 18000060    |
| 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    |