

**pCBN & PKD**  
**pCBN & PCD**

Negative & positive Wendeschneidplatten  
negative & positive inserts



## WENDESCHNEIDPLATTEN | INSERTS

### T.1.3 pCBN & PKD WSP | pCBN & PCD inserts

Schneidkantenpräparation | edge-preparation

**136 - 137**

Sorten & Bearbeitungsempfehlungen | grades & recommended cutting data

**138 - 139**

T.1.3.1 Negative dynamant® pCBN Wendeschneidplatten | negative dynamant® pCBN inserts

**140 - 147**

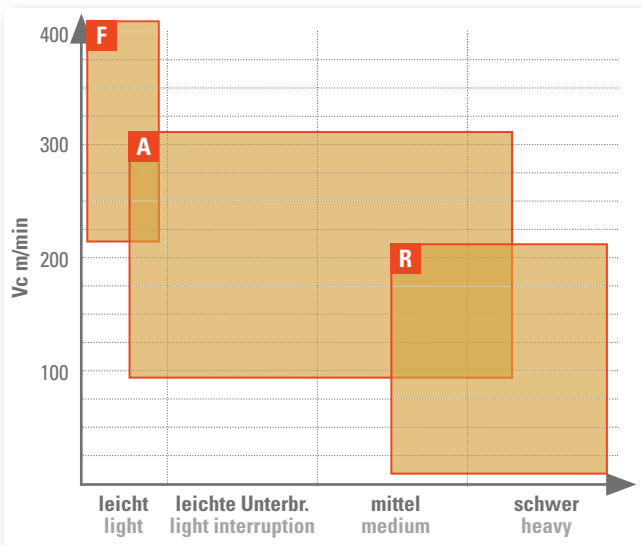
T.1.3.2 Positive dynamant® pCBN Wendeschneidplatten | positive dynamant® pCBN inserts

**148 - 151**



## SCHNEIDKANTENPRÄPARATION EDGE-PREPARATION

Dynamant® pCBN Sorten sind in 3 Standard-Schneidkantenausführungen ab Lager verfügbar.  
For Dynamant® pCBN grades choose between 3 standard edge-preparations.



- F** Schneidkantenpräparation für Bearbeitungen im kontinuierlichen Schnitt bei geringen Schnitttiefen.  
Edge-preparation for continuous and stable cutting with small cutting depth.
- A** die „Allround“-Schneide und somit erste Wahl für die Hartbearbeitung in kontinuierlichen und unterbrochenen Schnitten.  
The allround edge and first choice for general cutting.
- R** Schneidkantenpräparation für Schruppbearbeitungen mit hohen Schnitttiefen und Bearbeitungen im stark unterbrochenen Schnitt.  
Edge-preparation for roughing applications and for heavy interrupted cutting conditions.

### WENDESCHNEIDPLATTEN MIT WIPER | WIPER INSERTS

Wendeschnidplatten mit Wiper sind in den dynamant® pCBN Sorten DMT010, DMT020 & DMT025 verfügbar  
Wiper inserts are available in dynamant® pCBN grades DMT010, DMT020 & DMT025.

**Hinweis:** Um beste Oberflächengüten zu gewährleisten muss der Einstellwinkel des Drehstahlhalters 95° betragen (bei z. B. DCLNR), D-Klemmung mit Pratzenspannung wird empfohlen. Der Wipereffekt bleibt bei anderen Einstellwinkeln aus (z. B. 95°, 60°, 90°, etc.).

**Advice:** For best surface finish tool-holder with cutting angle 95° is necessary, D-clamping is recommended. There is no wiper efficiency with cutting angle 95°, 60°, 90°, etc..



### VORTEILE | BENEFITS

- **Verbesserte Oberflächengüten**  
Unter gleichen Schnittbedingungen wie ohne Wiper Ausführung, jedoch mit erhöhtem Vorschub, wird die Oberflächengüte verbessert.  
**Improved surface finish**  
Under same cutting conditions as without wiper radius but with increased feed rate the surface on the workpiece will be improved.
- **Höhere Wirtschaftlichkeit**  
Hohe Vorschübe und das Zusammenfassen von Schrupp- & Schlichtschnitten senken die Bearbeitungszeit deutlich.  
**Improved efficiency**  
High feed rates and combining roughing & finishing operations shorten machining times significantly.
- **Höhere Standzeiten**  
Hohe Vorschübe minimieren Reibung und verzögern den Fortschritt des Verschleiß.  
**Prolonged tool life**  
High feed rates decrease rubbing and therefore delaying the progression of wear.
- **Verbesserte Spanbildung**  
Höhere Vorschübe verursachen größere Späne, die brechen i. d. R. früher.  
**Improved chipping**  
Higher feed rates generate thicker chips which are broken more easily.

## SPANLEITSTUFEN | CHIPFORMER

dynamant® pCBN Wendeschneidplatten mit Spanbrecher erzielen eine deutlich verbesserte Spankontrolle bei der Bearbeitung von gehärteten Stählen bei kontinuierlichen bis leicht unterbrochenen Schnittbedingungen.

dynamant® pCBN grades with chipbreaker ensures optimization of chipping under continuous up to light interrupted cut.

## VORTEILE | BENEFITS

- Verbesserte Oberflächen**  
 durch kontrollierte Spanabfuhr.  
**Improved surface finish**  
 by controlled chip evacuation.
- Höhere Standzeiten**  
 durch verbesserte Wärmeabfuhr, keine erhöhte Wärmebelastung durch Fließspan.  
**Prolonged tool life**  
 by improved heat dissipation, no thermal loading by flow chip.



## MIT WIPER &amp; SPANLEITSTUFE | WITH WIPER &amp; CHIPFORMER

Kombinieren Sie die Vorteile beider Varianten.  
 Combine the benefits of both types.



# pCBN & PKD-SORTEN Bearbeitungsempfehlung

## pCBN & PCD GRADES characteristics & cutting data

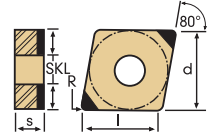
| SORTEN GRADES                                      | ISO ISO                       | Eigenschaften characteristics  | Anwendung application |
|--|-------------------------------|--|-----------------------|
| <b>Schlichten   finishing</b>                      |                               |  |                       |
| <b>DMT010</b><br>pCBN tipped<br>pCBN tipped<br>PVD | H01-H10                       | Hartmetallunterlegte dynamant® pCBN Sorte zum Feinschlichten von gehärteten Stählen mit hohen Schnittgeschwindigkeiten im kontinuierlichen Schnitt. Extrem Verschleißfest.   | fein                  |
|  |                               | Carbide-based dynamant® pCBN grade for high speed fine-finishing of hardened steels under continuous cutting conditions. Extremely wear resistant.   | light                 |
| <b>DMT020</b><br>pCBN tipped<br>pCBN tipped<br>PVD | H05-H20                       | Hartmetallunterlegte ALLROUND dynamant® pCBN Sorte zum Schlichten von gehärteten Stählen im kontinuierlichen Schnitt bis hin zu mittleren Schnittunterbrechungen. Gute Verschleißfestigkeit und mittlere Zähigkeit.            | fein - mittel         |
|  |                               | Carbide-based ALLROUND dynamant® pCBN grade for finishing of hardened steels in continuous up to medium interrupted cut. Good wear resistance and medium toughness.  | light - medium        |
| <b>mittlere Bearbeitung   medium</b>               |                               |  |                       |
| <b>DMT025</b><br>pCBN tipped<br>pCBN tipped<br>PVD | H10-H25                       | Hartmetallunterlegte dynamant® pCBN Sorte zum Schlichten von gehärteten Stählen in leichten bis mittleren Schnittunterbrechungen. Gute Oberflächengüten. Bewährt in Hart-Weichbearbeitung.                                     | mittel                |
|  |                               | Carbide-based dynamant® pCBN grade for light up to medium interrupted cutting of hardened steels. Good surface finish. Approved in hard-soft machining.  | medium                |
| <b>DMS025</b><br>pCBN solid<br>pCBN solid<br>PVD   | H10-H25                       | Solid dynamant® pCBN Sorte für große Schnitttiefen in kontinuierlichen bis mittleren Schnittunterbrechungen in gehärteten Stählen. Gute Oberflächengüten.  | mittel                |
|  |                               | Solid dynamant® pCBN grade for high depth of cut in continuous up to medium interrupted cutting conditions. Good surface finish.   | medium                |
| <b>Schruppen   roughing</b>                        |                               |  |                       |
| <b>DMT030</b><br>pCBN tipped<br>pCBN tipped<br>PVD | K05-K15<br>H15-H30            | Hartmetallunterlegte dynamant® pCBN Sorte für mittlere bis schwere Schnittunterbrechungen in gehärteten Stählen. Hohe Schnittgeschwindigkeiten in der Gussbearbeitung. Bearbeitung von Hartmetall mit größer 16% Kobaltanteil. | mittel - schwer       |
|  |                               | Carbide-based dynamant® pCBN grade for medium up to heavy interrupted cutting of hardened steels. High cutting speed on cast iron. Machining of carbide with higher than 16% cobalt content.                                   | medium - heavy        |
| <b>DMT035</b><br>pCBN tipped<br>pCBN tipped<br>PVD | K10-K20<br>H15-H35            | Hartmetallunterlegte dynamant® pCBN Sorte für schwerste Schnittunterbrechungen in gehärteten Stählen. Hohe Schnittgeschwindigkeiten in der Gussbearbeitung.  | schwer                |
|  |                               | Carbide-based dynamant® pCBN grade for heavy interrupted cutting of hardened steels. High cutting speed on cast iron.  | heavy                 |
| <b>DMS035</b><br>pCBN solid<br>pCBN solid<br>PVD   | K10-K20<br>H15-H35            | Solid dynamant® pCBN Sorte für schwerste Schnittunterbrechungen in gehärteten Stählen. Hohe Schnittgeschwindigkeiten in der Gussbearbeitung.   | schwer                |
|  |                               | Solid dynamant® pCBN grade for heavy interrupted cutting of hardened steels. High cutting speed on cast iron.  | heavy                 |
| <b>pCBN unbeschichtet   uncoated</b>               |                               |  |                       |
| <b>V6025</b><br>pCBN solid<br>pCBN solid           | K15-K30<br>S05-S15<br>H20-H25 | Hartmetallunterlegte pCBN Sorte für mittlere bis schwere Schnittunterbrechungen in gehärteten Stählen. Hohe Schnittgeschwindigkeiten in der Gussbearbeitung. Bearbeitung von Hartmetall mit größer 16% Kobaltanteil.           | fein - schwer         |
|  |                               | Carbide-based pCBN grade for medium up to heavy interrupted cutting of hardened steels. High cutting speed on cast iron. Machining of carbide with higher than 16% cobalt content.   | light - heavy         |
| <b>V6035</b><br>pCBN solid<br>pCBN solid           | K05-K20<br>S15<br>H30         | Hartmetallunterlegte pCBN Sorte für schwerste Schnittunterbrechungen in gehärteten Stählen. Hohe Schnittgeschwindigkeiten in der Gussbearbeitung.  | fein - schwer         |
|  |                               | Carbide-based pCBN grade for heavy interrupted cutting of hardened steels. High cutting speed on cast iron.  | light - heavy         |
| <b>V9025</b><br>pCBN solid<br>pCBN solid           | K15-K20                       | Solid pCBN Sorte für schwerste Schnittunterbrechungen in gehärteten Stählen. Hohe Schnittgeschwindigkeiten in der Gussbearbeitung.   | fein - schwer         |
|  |                               | Solid pCBN grade for heavy interrupted cutting of hardened steels. High cutting speed on cast iron.  | light - heavy         |
| <b>PKD unbeschichtet   uncoated</b>                |                               |  |                       |
| <b>V7010</b><br>PKD tipped<br>PCD tipped           | N05                           | Hartmetallunterlegte PKD Sorte (Korngröße 10µ) für die Bearbeitung von NE-Metallen inkl. Aluminium mit Si-Gehalt kleiner 12% und faserverstärkten Kunststoffen.  | fein - schwer         |
|  |                               | Carbide-based PCD grade (grain size 10µ) for machining of non-ferrous materials incl. aluminium with Si-content lower than 12% and fiber-reinforced plastics.  | light - heavy         |
| <b>V8010</b><br>PKD tipped<br>PCD tipped           | N05                           | Hartmetallunterlegte PKD Sorte (Mischkorn 4-25µ) für die Bearbeitung von stark abrasiven Legierungen und Aluminium Legierungen mit einem Si-Gehalt größer 12%.   | fein - schwer         |
|  |                               | Carbide-based PCD grade (bimodale micron 4-25µ) for machining of abrasive alloys and aluminium with Si-content higher than 12%.  | light - heavy         |
| <b>V8015</b><br>PKD tipped<br>PCD tipped           | N05                           | Hartmetallunterlegte PKD Sorte (Korngröße 2-30µ) für die Bearbeitung von stark abrasiven Legierungen, Aluminium Legierungen mit einem Si-Gehalt größer 12% und Hartmetall mit einem Kobaltanteil kleiner 16%.                  | fein - schwer         |
|  |                               | Carbide-based PCD grade (grainsize 2-30µ) for machining of abrasive alloys, aluminium with Si-content higher than 12% and carbide with cobalt content lower than 16%..   | light - heavy         |

| Bearb.-<br>empfehl.<br>recomm.<br>cutting<br>data | Bearbeitungsempfehlungen nach Werkstoffen   recommended cutting data per materials |  |  |   |   |   |  |               |   |                               |   |                                  |  |
|---|--|--|--|---|---|---|--|---------------|---|-------------------------------|---|----------------------------------|--|
|   | Gehärteter<br>Stahl<br>hardened<br>steel   | Nickelb.<br>Superleg.<br>Ni-based<br>super alloy | Aufschweiß-<br>legierungen<br>welded<br>alloys | Aluminium-<br>legierungen<br>aluminium<br>alloy | Aluminium-<br>legierungen<br>aluminium<br>alloy | Aluminium-<br>legierungen<br>aluminium<br>alloy | Kupfer- &<br>Messingleg.<br>copper &<br>brass alloys | HSS<br>H.S.S. | Sinter-<br>metalle<br>sintered<br>metal | Grauguss<br>grey cast<br>iron | Kugelgraphit-<br>guss<br>ductile cast<br>iron | Hartguss<br>chilled cast<br>iron | faserverst.<br>Kunststoffe<br>fiber-reinf.<br>plastics |
|   | 45-68HRC   |  |  | ~8% Si  | 8-12% Si  | >12% Si   | 45-68HRC   |               |   | 180-220HB                     | 200-240HB                                     | 400-700HB                        |  |
| DMT010  | Vc (m/min)   | 180-380  |  |   |   |   |  |               |   |                               |   |                                  |  |
|   | f (mm)   | 0,05-0,15  |  |   |   |   |  |               |   |                               |   |                                  |  |
|   | ap (mm)  | 0,01-0,15  |  |   |   |   |  |               |   |                               |   |                                  |  |
| DMT020  | Vc (m/min)   | 120-280  |  |   |   |   |  |               |   |                               |   |                                  |  |
|   | f (mm)   | 0,05-0,3   |  |   |   |   |  |               |   |                               |   |                                  |  |
|   | ap (mm)  | 0,05-0,4   |  |   |   |   |  |               |   |                               |   |                                  |  |
| DMT025  | Vc (m/min)   | 100-220  | 150-300  |   |   |   |  |               |   |                               |   |                                  |  |
|   | f (mm)   | 0,05-0,35  | 0,1-0,2  |   |   |   |  |               |   |                               |   |                                  |  |
|   | ap (mm)  | 0,05-0,4   | 0,1-0,5  |   |   |   |  |               |   |                               |   |                                  |  |
| DMS025  | Vc (m/min)   | 100-220  |  |   |   |   |  |               |   |                               |   |                                  |  |
|   | f (mm)   | 0,05-0,35  |  |   |   |   |  |               |   |                               |   |                                  |  |
|   | ap (mm)  | 0,05-1,2   |  |   |   |   |  |               |   |                               |   |                                  |  |
| DMT030  | Vc (m/min)   | 80-200   | 150-250  | 100-300   |   |   |  | 60-200        | 60-180                                  | 600-1500                      | 300-800                                       | 80-150                           |  |
|   | f (mm)   | 0,05-0,4   | 0,1-0,3  | 0,1-0,5   |   |   |  | 0,1-0,25      | 0,1-0,25                                | 0,15-0,6                      | 0,1-0,3                                       | 0,1-0,3                          |  |
|   | ap (mm)  | 0,05-0,4   | 0,1-0,4  | 0,1-1,5   |   |   |  | 0,1-1,3       | 0,1-1,3                                 | 0,1-2,5                       |   |                                  |  |
| DMT035  | Vc (m/min)   | 60-180   | 150-250  |   |   |   |  | 60-200        | 60-150                                  | 600-1500                      | 300-800                                       | 80-150                           |  |
|   | f (mm)   | 0,05-0,5   | 0,1-0,2  |   |   |   |  | 0,1-0,25      | 0,1-0,25                                | 0,15-0,6                      | 0,1-0,3                                       | 0,1-0,3                          |  |
|   | ap (mm)  | 0,05-0,4   | 0,2-2,0  |   |   |   |  | 0,1-1,3       |   | 0,1-2,5                       |   |                                  |  |
| DMS035  | Vc (m/min)   | 60-180   |  |   |   |   |  |               |   | 600-1500                      | 300-800                                       | 80-150                           |  |
|   | f (mm)   | 0,05-0,5   |  |   |   |   |  |               |   | 0,15-0,6                      | 0,1-0,3                                       | 0,1-0,3                          |  |
|   | ap (mm)  | 0,05-1,2   |  |   |   |   |  |               |   | 0,1-3,5                       |   |                                  |  |
| V6025   | Vc (m/min)   | 80-200   | 150-250  | 100-300   |   |   |  | 60-200        | 60-180                                  | 600-1500                      | 300-800                                       | 80-150                           |  |
|   | f (mm)   | 0,05-0,4   | 0,1-0,3  | 0,1-0,5   |   |   |  | 0,1-0,25      | 0,1-0,25                                | 0,15-0,6                      | 0,1-0,3                                       | 0,1-0,3                          |  |
|   | ap (mm)  | 0,05-0,4   | 0,1-0,4  | 0,1-1,5   |   |   |  | 0,1-1,3       | 0,1-1,3                                 | 0,1-2,5                       |   |                                  |  |
| V6035   | Vc (m/min)   | 60-180   | 150-250  |   |   |   |  | 60-200        | 60-150                                  | 600-1500                      | 300-800                                       | 80-150                           |  |
|   | f (mm)   | 0,05-0,5   | 0,1-0,2  |   |   |   |  | 0,1-0,25      | 0,1-0,25                                | 0,15-0,6                      | 0,1-0,3                                       | 0,1-0,3                          |  |
|   | ap (mm)  | 0,05-0,4   | 0,2-2,0  |   |   |   |  | 0,1-1,3       |   | 0,1-2,5                       |   |                                  |  |
| V9025   | Vc (m/min)   | 60-180   |  |   |   |   |  |               |   | 600-1500                      | 300-800                                       | 80-150                           |  |
|   | f (mm)   | 0,05-0,5   |  |   |   |   |  |               |   | 0,15-0,6                      | 0,1-0,3                                       | 0,1-0,3                          |  |
|   | ap (mm)  | 0,05-1,2   |  |   |   |   |  |               |   | 0,1-3,5                       |   |                                  |  |
| V7010   | Vc (m/min)   |  |  |   | 900-3500  | 600-2500  |  |               |   |                               |   |                                  | 300-1000   |
|   | f (mm)   |  |  |   | 0,1-0,4   | 0,1-0,4   |  |               |   |                               |   |                                  | 0,1-0,4  |
|   | ap (mm)  |  |  |   | 0,1-4,0   | 0,1-4,0   |  |               |   |                               |   |                                  | 0,1-3,0  |
| V8010   | Vc (m/min)   |  |  |   | 900-3500  | 600-2500  | 400-1000   | 400-1200      |   |                               |   |                                  | 300-1000   |
|   | f (mm)   |  |  |   | 0,1-0,4   | 0,1-0,4   | 0,1-0,3  | 0,05-0,3      |   |                               |   |                                  | 0,1-0,4  |
|   | ap (mm)  |  |  |   | 0,1-4,0   | 0,1-4,0   | 0,1-4,0  | 0,05-2,0      |   |                               |   |                                  | 0,1-3,0  |
| V8015   | Vc (m/min)   |  |  |   | 900-3500  | 600-2500  | 400-1000   | 400-1200      |   |                               |   |                                  | 300-1000   |
|   | f (mm)   |  |  |   | 0,1-0,4   | 0,1-0,4   | 0,1-0,3  | 0,05-0,3      |   |                               |   |                                  | 0,1-0,4  |
|   | ap (mm)  |  |  |   | 0,1-4,0   | 0,1-4,0   | 0,1-4,0  | 0,05-2,0      |   |                               |   |                                  | 0,1-3,0  |



## CNGA

2-schneidige pCBN/PKD Wendeschneidplatte, Negativ 80°  
2 corner pCBN/PCD insert, negative 80°



### TECHNISCHE DATEN | TECHNICAL DATA

| ISO-Bezeichn.<br>ISO code | siehe Zeichnung   see drawing |      |      |      |      |
|---------------------------|-------------------------------|------|------|------|------|
|                           | iC                            | S    | I    | R    | SKL  |
|                           | (mm)                          | (mm) | (mm) | (mm) | (mm) |
| CNGA 120404               | 12,7                          | 4,76 | 12,4 | 0,4  | 2,0  |
| CNGA 120404 F             | 12,7                          | 4,76 | 12,4 | 0,4  | 2,0  |
| CNGA 120404 A             | 12,7                          | 4,76 | 12,4 | 0,4  | 2,0  |
| CNGA 120404 R             | 12,7                          | 4,76 | 12,4 | 0,4  | 2,0  |
| CNGA 120408               | 12,7                          | 4,76 | 12,0 | 0,8  | 2,5  |
| CNGA 120408 F             | 12,7                          | 4,76 | 12,0 | 0,8  | 2,5  |
| CNGA 120408 A             | 12,7                          | 4,76 | 12,0 | 0,8  | 2,5  |
| CNGA 120408 R             | 12,7                          | 4,76 | 12,0 | 0,8  | 2,5  |
| CNGA 120412               | 12,7                          | 4,76 | 11,6 | 1,2  | 2,5  |
| CNGA 120412 F             | 12,7                          | 4,76 | 11,6 | 1,2  | 2,5  |
| CNGA 120412 A             | 12,7                          | 4,76 | 11,6 | 1,2  | 2,5  |
| CNGA 120412 R             | 12,7                          | 4,76 | 11,6 | 1,2  | 2,5  |
| CNGA 120416               | 12,7                          | 4,76 | 11,6 | 1,2  | 2,5  |
| CNGA 120416 F             | 12,7                          | 4,76 | 11,6 | 1,2  | 2,5  |
| CNGA 120416 A             | 12,7                          | 4,76 | 11,6 | 1,2  | 2,5  |
| CNGA 120416 R             | 12,7                          | 4,76 | 11,6 | 1,2  | 2,5  |

### SORTEN | GRADES

| pCBN beschichtet   pCBN coated |        |        | pCBN uncoated |          |        | PKD   PCD |          |       |       |       |       |       |
|--------------------------------|--------|--------|---------------|----------|--------|-----------|----------|-------|-------|-------|-------|-------|
| finishing                      |        | medium |               | roughing |        |           | uncoated |       |       |       |       |       |
| DMT010                         | DMT020 | DMT025 | DMS025        | DMT030   | DMT035 | DMS035    | V6025    | V6035 | V9025 | V7010 | V8010 | V8015 |
|                                |        |        |               |          |        |           |          |       |       | ○     | ○     | ○     |
| ●                              | ○      | ○      |               | ●        | ○      |           |          |       |       |       |       |       |
| ●                              | ●      | ●      |               | ●        | ○      |           |          |       |       |       |       |       |
| ●                              | ○      | ●      |               | ○        | ○      |           |          |       |       |       |       |       |
|                                |        |        |               |          |        |           |          |       |       | ○     | ○     | ○     |
| ●                              | ●      | ○      |               | ○        | ○      |           |          |       |       |       |       |       |
| ●                              | ●      | ●      |               | ●        | ●      |           |          |       |       |       |       |       |
| ●                              | ●      | ○      |               | ●        | ○      |           |          |       |       |       |       |       |
|                                |        |        |               |          |        |           |          |       |       | ○     | ○     | ○     |
| ○                              | ○      | ○      |               | ●        | ○      |           |          |       |       |       |       |       |
| ●                              | ●      | ○      |               | ○        | ○      |           |          |       |       |       |       |       |
| ○                              | ○      | ○      |               | ○        | ○      |           |          |       |       |       |       |       |

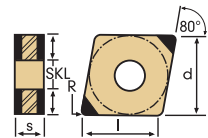
K05-K15 | K10-K20 | K10-K20 | K15-K30 | K05-K20 | K15-K20  
N05 | N05 | N05  
S05-S15 | S15  
H01-H10 | H05-H20 | H10-H25 | H10-H25 | H15-H30 | H15-H35 | H15-H35 | H20-H25 | H30 (H05)

Drehstahlhalter auf den Seiten | tools on pages: 160, 169,181, 191, 194, 195, 196, 216, 217



## CNGA Z4

4-schneidige pCBN/PKD Wendeschneidplatte, Negativ 80°  
4 corner pCBN/PCD insert, negative 80°



### TECHNISCHE DATEN | TECHNICAL DATA

| ISO-Bezeichn.<br>ISO code | siehe Zeichnung   see drawing |      |      |      |      |
|---------------------------|-------------------------------|------|------|------|------|
|                           | iC                            | S    | I    | R    | SKL  |
|                           | (mm)                          | (mm) | (mm) | (mm) | (mm) |
| CNGA 120404 F4            | 12,7                          | 4,76 | 12,4 | 0,4  | 2,0  |
| CNGA 120404 A4            | 12,7                          | 4,76 | 12,4 | 0,4  | 2,0  |
| CNGA 120404 R4            | 12,7                          | 4,76 | 12,4 | 0,4  | 2,0  |
| CNGA 120408 F4            | 12,7                          | 4,76 | 12,0 | 0,8  | 2,5  |
| CNGA 120408 A4            | 12,7                          | 4,76 | 12,0 | 0,8  | 2,5  |
| CNGA 120408 R4            | 12,7                          | 4,76 | 12,0 | 0,8  | 2,5  |
| CNGA 120412 F4            | 12,7                          | 4,76 | 11,6 | 1,2  | 2,5  |
| CNGA 120412 A4            | 12,7                          | 4,76 | 11,6 | 1,2  | 2,5  |
| CNGA 120412 R4            | 12,7                          | 4,76 | 11,6 | 1,2  | 2,5  |

### SORTEN | GRADES

| pCBN beschichtet   pCBN coated |        |        | pCBN uncoated |          |        | PKD   PCD |          |       |       |       |       |       |
|--------------------------------|--------|--------|---------------|----------|--------|-----------|----------|-------|-------|-------|-------|-------|
| finishing                      |        | medium |               | roughing |        |           | uncoated |       |       |       |       |       |
| DMT010                         | DMT020 | DMT025 | DMS025        | DMT030   | DMT035 | DMS035    | V6025    | V6035 | V9025 | V7010 | V8010 | V8015 |
| ○                              | ○      | ○      |               | ○        | ○      |           |          |       |       |       |       |       |
| ○                              | ○      | ○      |               | ●        | ○      |           |          |       |       |       |       |       |
| ○                              | ○      | ○      |               | ○        | ○      |           |          |       |       |       |       |       |
| ○                              | ○      | ○      |               | ○        | ○      |           |          |       |       |       |       |       |
| ○                              | ○      | ○      |               | ○        | ○      |           |          |       |       |       |       |       |
| ○                              | ○      | ○      |               | ○        | ○      |           |          |       |       |       |       |       |
| ○                              | ○      | ○      |               | ○        | ○      |           |          |       |       |       |       |       |
| ○                              | ○      | ○      |               | ○        | ○      |           |          |       |       |       |       |       |
| ○                              | ○      | ○      |               | ○        | ○      |           |          |       |       |       |       |       |

K05-K15 | K10-K20 | K10-K20 | K15-K30 | K05-K20 | K15-K20  
N05 | N05 | N05  
S05-S15 | S15  
H01-H10 | H05-H20 | H10-H25 | H10-H25 | H15-H30 | H15-H35 | H15-H35 | H20-H25 | H30 (H05)

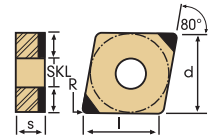
Drehstahlhalter auf den Seiten | tools on pages: 160, 169,181, 191, 194, 195, 196, 216, 217

T | DREHEN | TURNING  
 W | V | T | S | R | K | D | C  
 Wsp negativ | inserts negative  
 W | V | T | S | R | K | D | C  
 Wsp positiv | inserts positive  
 T.2.1.1 | T.2.1.2 | T.2.1.3 | T.2.1.4 | T.2.1.3  
 Vandurit QuickChange system  
 T.2.2.1 | T.2.2.2 | T.2.2.3 | T.2.2.4  
 Drehstahlhalter | tool holder  
 T.2.2.3 | T.2.2.4  
 Drehstahlhalter | tool holder



## CNGA WIPER

2-schneidige pCBN/PKD Wendeschneidplatte, Negativ 80°  
2 corner pCBN/PCD insert, negative 80°



| TECHNISCHE DATEN   TECHNICAL DATA |                               |      |      |      |      | SORTEN   GRADES                |        |        |        |          |        |               |       |       |           |       |       |       |  |
|-----------------------------------|-------------------------------|------|------|------|------|--------------------------------|--------|--------|--------|----------|--------|---------------|-------|-------|-----------|-------|-------|-------|--|
| ISO-Bezeichn.<br>ISO code         | siehe Zeichnung   see drawing |      |      |      |      | pCBN beschichtet   pCBN coated |        |        |        |          |        | pCBN uncoated |       |       | PKD   PCD |       |       |       |  |
|                                   | iC                            | S    | I    | R    | SKL  | finishing                      |        | medium |        | roughing |        | uncoated      |       |       | uncoated  |       |       |       |  |
|                                   | (mm)                          | (mm) | (mm) | (mm) | (mm) | DMT010                         | DMT020 | DMT025 | DMS025 | DMT030   | DMT035 | DMS035        | V6025 | V6035 | V9025     | V7010 | V8010 | V8015 |  |
| CNGA 120408W F                    | 12,7                          | 4,76 | 12,0 | 0,8  | 2,5  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |  |
| CNGA 120408W A                    | 12,7                          | 4,76 | 12,0 | 0,8  | 2,5  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |  |
| CNGA 120408W R                    | 12,7                          | 4,76 | 12,0 | 0,8  | 2,5  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |  |
| CNGA 120412W F                    | 12,7                          | 4,76 | 11,6 | 1,2  | 2,5  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |  |
| CNGA 120412W A                    | 12,7                          | 4,76 | 11,6 | 1,2  | 2,5  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |  |
| CNGA 120412W R                    | 12,7                          | 4,76 | 11,6 | 1,2  | 2,5  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |  |

K05-K15
K10-K20
K10-K20
K15-K30
K05-K20
K15-K20

N05
N05
N05

S05-S15
S15

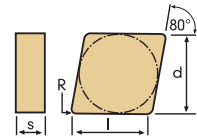
H01-H10
H05-H20
H10-H25
H10-H25
H15-H30
H15-H35
H15-H35
H20-H25
H30
(H05)

Drehstahlhalter auf den Seiten | tools on pages: 160, 169, 181, 191, 194, 195, 196, 216, 217



## CNGN

solid pCBN/PKD Wendeschneidplatte, Negativ 80°  
solid pCBN/PCD insert, negative 80°



| TECHNISCHE DATEN   TECHNICAL DATA |                               |      |      |      |       | SORTEN   GRADES                |        |        |        |          |        |               |       |       |           |       |       |       |  |
|-----------------------------------|-------------------------------|------|------|------|-------|--------------------------------|--------|--------|--------|----------|--------|---------------|-------|-------|-----------|-------|-------|-------|--|
| ISO-Bezeichn.<br>ISO code         | siehe Zeichnung   see drawing |      |      |      |       | pCBN beschichtet   pCBN coated |        |        |        |          |        | pCBN uncoated |       |       | PKD   PCD |       |       |       |  |
|                                   | iC                            | S    | I    | R    | SKL   | finishing                      |        | medium |        | roughing |        | uncoated      |       |       | uncoated  |       |       |       |  |
|                                   | (mm)                          | (mm) | (mm) | (mm) | (mm)  | DMT010                         | DMT020 | DMT025 | DMS025 | DMT030   | DMT035 | DMS035        | V6025 | V6035 | V9025     | V7010 | V8010 | V8015 |  |
| CNGN 120408 T2                    | 12,7                          | 4,76 | 12,0 | 0,8  | solid |                                |        |        |        |          |        |               |       |       | ○         |       |       |       |  |
| CNGN 120412 T2                    | 12,7                          | 4,76 | 11,6 | 1,2  | solid |                                |        |        |        |          |        |               |       |       | ○         |       |       |       |  |
| CNGN 120416 T2                    | 12,7                          | 4,76 | 11,2 | 1,6  | solid |                                |        |        |        |          |        |               |       |       | ○         |       |       |       |  |

K05-K15
K10-K20
K10-K20
K15-K30
K05-K20
K15-K20

N05
N05
N05

S05-S15
S15

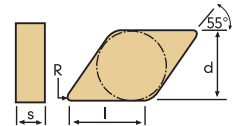
H01-H10
H05-H20
H10-H25
H10-H25
H15-H30
H15-H35
H15-H35
H20-H25
H30
(H05)

Drehstahlhalter auf den Seiten | tools on pages: 224, 225, 226, 238



## DNGN

solid pCBN/PKD Wendeschneidplatte, Negativ 55°  
solid pCBN/PCD insert, negative 55°



| TECHNISCHE DATEN   TECHNICAL DATA |                               |      |      |      |       | SORTEN   GRADES                |        |        |        |          |        |               |       |       |           |       |       |       |  |
|-----------------------------------|-------------------------------|------|------|------|-------|--------------------------------|--------|--------|--------|----------|--------|---------------|-------|-------|-----------|-------|-------|-------|--|
| ISO-Bezeichn.<br>ISO code         | siehe Zeichnung   see drawing |      |      |      |       | pCBN beschichtet   pCBN coated |        |        |        |          |        | pCBN uncoated |       |       | PKD   PCD |       |       |       |  |
|                                   | iC                            | S    | I    | R    | SKL   | finishing                      |        | medium |        | roughing |        | uncoated      |       |       | uncoated  |       |       |       |  |
|                                   | (mm)                          | (mm) | (mm) | (mm) | (mm)  | DMT010                         | DMT020 | DMT025 | DMS025 | DMT030   | DMT035 | DMS035        | V6025 | V6035 | V9025     | V7010 | V8010 | V8015 |  |
| DNGN 110404 T1                    | 9,52                          | 4,76 | 11,2 | 0,4  | solid |                                |        |        |        |          |        |               |       |       | ●         |       |       |       |  |
| DNGN 110408 T1                    | 9,52                          | 4,76 | 10,8 | 0,8  | solid |                                |        |        |        |          |        |               |       |       | ●         |       |       |       |  |
| DNGN 110412 T1                    | 9,52                          | 4,76 | 10,5 | 1,2  | solid |                                |        |        |        |          |        |               |       |       | ●         |       |       |       |  |
| DNGN 110416 T1                    | 9,52                          | 4,76 | 10,1 | 1,6  | solid |                                |        |        |        |          |        |               |       |       | ●         |       |       |       |  |

K05-K15
K10-K20
K10-K20
K15-K30
K05-K20
K15-K20

N05
N05
N05

S05-S15
S15

H01-H10
H05-H20
H10-H25
H10-H25
H15-H30
H15-H35
H15-H35
H20-H25
H30
(H05)

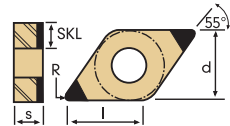
Drehstahlhalter auf den Seiten | tools on pages: **auf Anfrage** | on inquiry





## DNGA

2-schneidige pCBN/PKD Wendeschneidplatte, Negativ 55°  
2 corner pCBN/PCD insert, negative 55°



### TECHNISCHE DATEN | TECHNICAL DATA

| ISO-Bezeichn.<br>ISO code | siehe Zeichnung   see drawing |      |      |      |      |
|---------------------------|-------------------------------|------|------|------|------|
|                           | iC                            | S    | I    | R    | SKL  |
|                           | (mm)                          | (mm) | (mm) | (mm) | (mm) |
| DNGA 150408 A             | 12,7                          | 4,76 | 14,7 | 0,8  | 2,5  |
| DNGA 150604               | 12,7                          | 6,35 | 15,1 | 0,4  | 2,0  |
| DNGA 150604 F             | 12,7                          | 6,35 | 15,1 | 0,4  | 2,0  |
| DNGA 150604 A             | 12,7                          | 6,35 | 15,1 | 0,4  | 2,0  |
| DNGA 150604 R             | 12,7                          | 6,35 | 15,1 | 0,4  | 2,0  |
| DNGA 150608               | 12,7                          | 6,35 | 14,7 | 0,8  | 2,5  |
| DNGA 150608 F             | 12,7                          | 6,35 | 14,7 | 0,8  | 2,5  |
| DNGA 150608 A             | 12,7                          | 6,35 | 14,7 | 0,8  | 2,5  |
| DNGA 150608 R             | 12,7                          | 6,35 | 14,7 | 0,8  | 2,5  |
| DNGA 150612               | 12,7                          | 6,35 | 14,4 | 1,2  | 2,5  |
| DNGA 150612 F             | 12,7                          | 6,35 | 14,4 | 1,2  | 2,5  |
| DNGA 150612 A             | 12,7                          | 6,35 | 14,4 | 1,2  | 2,5  |
| DNGA 150612 R             | 12,7                          | 6,35 | 14,4 | 1,2  | 2,5  |

### SORTEN | GRADES

| pCBN beschichtet   pCBN coated |        |        | pCBN uncoated |        |        | PKD   PCD |       |       |       |       |       |       |
|--------------------------------|--------|--------|---------------|--------|--------|-----------|-------|-------|-------|-------|-------|-------|
| finishing                      |        | medium | roughing      |        |        | uncoated  |       |       |       |       |       |       |
| DMT010                         | DMT020 | DMT025 | DMS025        | DMT030 | DMT035 | DMS035    | V6025 | V6035 | V9025 | V7010 | V8010 | V8015 |
| ○                              | ○      | ○      |               | ○      | ○      |           |       |       |       |       |       |       |
| ○                              | ●      | ●      |               | ●      | ○      |           |       |       |       | ○     | ○     | ○     |
| ●                              | ●      | ●      |               | ○      | ○      |           |       |       |       |       |       |       |
| ●                              | ○      | ○      |               | ○      | ○      |           |       |       |       |       |       |       |
| ●                              | ○      | ●      |               | ●      | ○      |           |       |       |       |       |       |       |
| ●                              | ●      | ●      |               | ○      | ○      |           |       |       |       |       |       |       |
| ●                              | ○      | ○      |               | ●      | ○      |           |       |       |       |       |       |       |
| ●                              | ●      | ●      |               | ○      | ○      |           |       |       |       |       |       |       |
| ○                              | ○      | ○      |               | ○      | ○      |           |       |       |       |       |       |       |

K05-K15 | K10-K20 | K10-K20 | K15-K30 | K05-K20 | K15-K20

S05-S15 | S15

N05 | N05 | N05

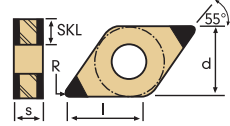
H01-H10 | H05-H20 | H10-H25 | H10-H25 | H15-H30 | H15-H35 | H15-H35 | H20-H25 | H30 | (H05)

Drehstahlhalter auf den Seiten | tools on pages: 161,162, 182, 191, 197, 216, 218



## DNGA Z4

4-schneidige pCBN/PKD Wendeschneidplatte, Negativ 55°  
4 corner pCBN/PCD insert, negative 55°



### TECHNISCHE DATEN | TECHNICAL DATA

| ISO-Bezeichn.<br>ISO code | siehe Zeichnung   see drawing |      |      |      |      |
|---------------------------|-------------------------------|------|------|------|------|
|                           | iC                            | S    | I    | R    | SKL  |
|                           | (mm)                          | (mm) | (mm) | (mm) | (mm) |
| DNGA 150408 A4            | 12,7                          | 4,76 | 14,7 | 0,8  | 2,5  |
| DNGA 150604 F4            | 12,7                          | 6,35 | 15,1 | 0,4  | 2,0  |
| DNGA 150604 A4            | 12,7                          | 6,35 | 15,1 | 0,4  | 2,0  |
| DNGA 150604 R4            | 12,7                          | 6,35 | 15,1 | 0,4  | 2,0  |
| DNGA 150608 F4            | 12,7                          | 6,35 | 14,7 | 0,8  | 2,5  |
| DNGA 150608 A4            | 12,7                          | 6,35 | 14,7 | 0,8  | 2,5  |
| DNGA 150608 R4            | 12,7                          | 6,35 | 14,7 | 0,8  | 2,5  |
| DNGA 150612 F4            | 12,7                          | 6,35 | 14,4 | 1,2  | 2,5  |
| DNGA 150612 A4            | 12,7                          | 6,35 | 14,4 | 1,2  | 2,5  |
| DNGA 150612 R4            | 12,7                          | 6,35 | 14,4 | 1,2  | 2,5  |

### SORTEN | GRADES

| pCBN beschichtet   pCBN coated |        |        | pCBN uncoated |        |        | PKD   PCD |       |       |       |       |       |       |
|--------------------------------|--------|--------|---------------|--------|--------|-----------|-------|-------|-------|-------|-------|-------|
| finishing                      |        | medium | roughing      |        |        | uncoated  |       |       |       |       |       |       |
| DMT010                         | DMT020 | DMT025 | DMS025        | DMT030 | DMT035 | DMS035    | V6025 | V6035 | V9025 | V7010 | V8010 | V8015 |
| ○                              | ○      | ○      |               | ○      | ○      |           |       |       |       |       |       |       |
| ○                              | ○      | ○      |               | ○      | ○      |           |       |       |       |       |       |       |
| ○                              | ○      | ○      |               | ○      | ○      |           |       |       |       |       |       |       |
| ○                              | ○      | ○      |               | ○      | ○      |           |       |       |       |       |       |       |
| ○                              | ○      | ○      |               | ○      | ○      |           |       |       |       |       |       |       |
| ○                              | ○      | ○      |               | ○      | ○      |           |       |       |       |       |       |       |
| ○                              | ○      | ○      |               | ○      | ○      |           |       |       |       |       |       |       |
| ○                              | ○      | ○      |               | ○      | ○      |           |       |       |       |       |       |       |
| ○                              | ○      | ○      |               | ○      | ○      |           |       |       |       |       |       |       |
| ○                              | ○      | ○      |               | ○      | ○      |           |       |       |       |       |       |       |

K05-K15 | K10-K20 | K10-K20 | K15-K30 | K05-K20 | K15-K20

S05-S15 | S15

N05 | N05 | N05

H01-H10 | H05-H20 | H10-H25 | H10-H25 | H15-H30 | H15-H35 | H15-H35 | H20-H25 | H30 | (H05)

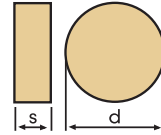
Drehstahlhalter auf den Seiten | tools on pages: 161,162, 182, 191, 197, 216, 218

T DREHEN | TURNING  
 Wsp negativ | inserts negative  
 W V T S R K D C  
 W V T S R K D C  
 Wsp positiv | inserts positive  
 Vandurit QuickChange system  
 T.2.1.1 T.2.1.2 T.2.1.3 T.2.1.4 T.2.1.1  
 Vandurit tool holder  
 T.2.2.1 T.2.2.2 T.2.2.3 T.2.2.4  
 Drehstahlhalter | tool holder



## RNGN

solid pCBN/PKD Rund-Wendeschneidplatte, Negativ  
solid pCBN/PCD round insert, negative



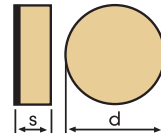
| TECHNISCHE DATEN   TECHNICAL DATA |                               |      |      |      |       | SORTEN   GRADES                |         |         |               |         |          |           |         |       |       |       |       |       |  |       |
|-----------------------------------|-------------------------------|------|------|------|-------|--------------------------------|---------|---------|---------------|---------|----------|-----------|---------|-------|-------|-------|-------|-------|--|-------|
| ISO-Bezeichn.<br>ISO code         | siehe Zeichnung   see drawing |      |      |      |       | pCBN beschichtet   pCBN coated |         |         | pCBN uncoated |         |          | PKD   PCD |         |       |       |       |       |       |  |       |
|                                   | iC                            | S    | I    | R    | SKL   | finishing                      |         | medium  | roughing      |         | uncoated |           |         |       |       |       |       |       |  |       |
|                                   | (mm)                          | (mm) | (mm) | (mm) | (mm)  | DMT010                         | DMT020  | DMT025  | DMS025        | DMT030  | DMT035   | DMS035    | V6025   | V6035 | V9025 | V7010 | V8010 | V8015 |  |       |
| RNGN 090300 T2                    | 9,52                          | 3,18 |      |      | solid |                                |         |         |               |         |          |           |         |       |       |       |       |       |  |       |
| RNGN 090400 T2                    | 9,52                          | 4,76 |      |      | solid |                                |         |         |               |         |          |           |         |       |       |       |       |       |  |       |
| RNGN 120300 A                     | 12,7                          | 3,18 |      |      | solid |                                |         |         |               |         |          |           |         |       |       |       |       |       |  |       |
| RNGN 120400 T1                    | 12,7                          | 4,76 |      |      | solid |                                |         |         |               |         |          |           |         |       |       |       |       |       |  |       |
| RNGN 120400 T2                    | 12,7                          | 4,76 |      |      | solid |                                |         |         |               |         |          |           |         |       |       |       |       |       |  |       |
|                                   |                               |      |      |      |       | K05-K15                        |         |         | K10-K20       | K10-K20 | K15-K30  | K05-K20   | K15-K20 | N05   |       |       | N05   | N05   |  |       |
|                                   |                               |      |      |      |       | S05-S15                        |         |         | S15           |         |          |           |         |       |       |       |       |       |  |       |
|                                   |                               |      |      |      |       | H01-H10                        | H05-H20 | H10-H25 | H10-H25       | H15-H30 | H15-H35  | H15-H35   | H20-H25 | H30   |       |       |       |       |  | (H05) |

Drehstahlhalter auf den Seiten | tools on pages: 186, 229



## RNGN FF

full-face pCBN/PKD Rund-Wendeschneidplatte, Negativ  
full-face pCBN/PCD round insert, negative



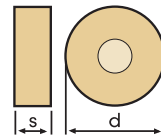
| TECHNISCHE DATEN   TECHNICAL DATA |                               |      |      |      |      | SORTEN   GRADES                |         |         |               |         |          |           |         |       |       |       |       |       |  |       |
|-----------------------------------|-------------------------------|------|------|------|------|--------------------------------|---------|---------|---------------|---------|----------|-----------|---------|-------|-------|-------|-------|-------|--|-------|
| ISO-Bezeichn.<br>ISO code         | siehe Zeichnung   see drawing |      |      |      |      | pCBN beschichtet   pCBN coated |         |         | pCBN uncoated |         |          | PKD   PCD |         |       |       |       |       |       |  |       |
|                                   | iC                            | S    | I    | R    | SKL  | finishing                      |         | medium  | roughing      |         | uncoated |           |         |       |       |       |       |       |  |       |
|                                   | (mm)                          | (mm) | (mm) | (mm) | (mm) | DMT010                         | DMT020  | DMT025  | DMS025        | DMT030  | DMT035   | DMS035    | V6025   | V6035 | V9025 | V7010 | V8010 | V8015 |  |       |
| RNGN 090300 T2 F                  | 9,52                          | 3,18 |      |      | FF   |                                |         |         |               |         |          |           |         |       |       |       |       |       |  |       |
| RNGN 120400 F 0                   | 12,7                          | 4,76 |      |      | FF   |                                |         |         |               |         |          |           |         |       |       |       |       |       |  |       |
|                                   |                               |      |      |      |      | K05-K15                        |         |         | K10-K20       | K10-K20 | K15-K30  | K05-K20   | K15-K20 | N05   |       |       | N05   | N05   |  |       |
|                                   |                               |      |      |      |      | S05-S15                        |         |         | S15           |         |          |           |         |       |       |       |       |       |  |       |
|                                   |                               |      |      |      |      | H01-H10                        | H05-H20 | H10-H25 | H10-H25       | H15-H30 | H15-H35  | H15-H35   | H20-H25 | H30   |       |       |       |       |  | (H05) |

Drehstahlhalter auf den Seiten | tools on pages: 186, 229



## RNGX

solid pCBN/PKD Rund-Wendeschneidplatte, Negativ  
solid pCBN/PCD round insert, negative



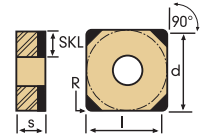
| TECHNISCHE DATEN   TECHNICAL DATA |                               |      |      |      |       | SORTEN   GRADES                |         |         |               |         |          |           |         |       |       |       |       |       |  |       |
|-----------------------------------|-------------------------------|------|------|------|-------|--------------------------------|---------|---------|---------------|---------|----------|-----------|---------|-------|-------|-------|-------|-------|--|-------|
| ISO-Bezeichn.<br>ISO code         | siehe Zeichnung   see drawing |      |      |      |       | pCBN beschichtet   pCBN coated |         |         | pCBN uncoated |         |          | PKD   PCD |         |       |       |       |       |       |  |       |
|                                   | iC                            | S    | I    | R    | SKL   | finishing                      |         | medium  | roughing      |         | uncoated |           |         |       |       |       |       |       |  |       |
|                                   | (mm)                          | (mm) | (mm) | (mm) | (mm)  | DMT010                         | DMT020  | DMT025  | DMS025        | DMT030  | DMT035   | DMS035    | V6025   | V6035 | V9025 | V7010 | V8010 | V8015 |  |       |
| RNGX 090400 A                     | 9,52                          | 4,76 |      |      | solid |                                |         |         |               |         |          |           |         |       |       |       |       |       |  |       |
| RNGX 120400 A                     | 12,7                          | 4,76 |      |      | solid |                                |         |         |               |         |          |           |         |       |       |       |       |       |  |       |
| RNGX 120400 T05                   | 12,7                          | 4,76 |      |      | solid |                                |         |         |               |         |          |           |         |       |       |       |       |       |  |       |
|                                   |                               |      |      |      |       | K05-K15                        |         |         | K10-K20       | K10-K20 | K15-K30  | K05-K20   | K15-K20 | N05   |       |       | N05   | N05   |  |       |
|                                   |                               |      |      |      |       | S05-S15                        |         |         | S15           |         |          |           |         |       |       |       |       |       |  |       |
|                                   |                               |      |      |      |       | H01-H10                        | H05-H20 | H10-H25 | H10-H25       | H15-H30 | H15-H35  | H15-H35   | H20-H25 | H30   |       |       |       |       |  | (H05) |

Drehstahlhalter auf den Seiten | tools on pages: 186, 229



## SNGA

4-schneidige pCBN/PKD Wendeschneidplatte, Negativ 90°  
4 corner pCBN/PCD insert, negative 90°



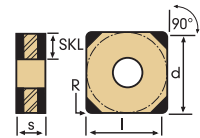
| TECHNISCHE DATEN   TECHNICAL DATA |                               |      |      |      |      | SORTEN   GRADES   |        |        |        |          |        |               |       |       |                 |       |       |       |
|-----------------------------------|-------------------------------|------|------|------|------|---|--------|--------|--------|----------|--------|---------------|-------|-------|-----------------|-------|-------|-------|
| ISO-Bezeichn.<br>ISO code         | siehe Zeichnung   see drawing |      |      |      |      | pCBN beschichtet   pCBN coated  |        |        |        |          |        | pCBN uncoated |       |       | PKD   PCD       |       |       |       |
|                                   | iC                            | S    | I    | R    | SKL  | finishing   |        | medium |        | roughing |        | uncoated      |       |       | uncoated        |       |       |       |
|                                   | (mm)                          | (mm) | (mm) | (mm) | (mm) | DMT010  | DMT020 | DMT025 | DMS025 | DMT030   | DMT035 | DMS035        | V6025 | V6035 | V9025           | V7010 | V8010 | V8015 |
| SNGA 120408                       | 12,7                          | 4,76 | 11,9 | 0,8  | 2,5  |   |        |        |        |          |        |               |       |       |                 | ○     | ○     | ○     |
| SNGA 120408 A                     | 12,7                          | 4,76 | 11,9 | 0,8  | 2,5  | ○   | ○      | ○      |        | ○        | ○      |               |       |       |                 |       |       |       |
| SNGA 120412                       | 12,7                          | 4,76 | 11,5 | 1,2  | 2,5  |   |        |        |        |          |        |               |       |       |                 | ○     | ○     | ○     |
| SNGA 120412 A                     | 12,7                          | 4,76 | 11,5 | 1,2  | 2,5  | ○   | ●      | ●      |        | ○        | ○      |               |       |       |                 |       |       |       |
|                                   |                               |      |      |      |      | K05-K15   K10-K20   K10-K20   K15-K30   K05-K20   K15-K20                           |        |        |        |          |        | S05-S15   S15 |       |       | N05   N05   N05 |       |       |       |
|                                   |                               |      |      |      |      | H01-H10   H05-H20   H10-H25   H10-H25   H15-H30   H15-H35   H15-H35   H20-H25   H30 |        |        |        |          |        | (H05)         |       |       |                 |       |       |       |

Drehstahlhalter auf den Seiten | tools on pages: 163, 164, 165, 166, 170, 171, 172, 173, 192, 200, 201, 202, 203, 219



## SNGA Z8

8-schneidige pCBN/PKD Wendeschneidplatte, Negativ 90°  
8 corner pCBN/PCD insert, negative 90°



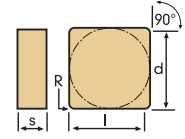
| TECHNISCHE DATEN   TECHNICAL DATA |                               |      |      |      |      | SORTEN   GRADES   |        |        |        |          |        |               |       |       |                 |       |       |       |
|-----------------------------------|-------------------------------|------|------|------|------|---|--------|--------|--------|----------|--------|---------------|-------|-------|-----------------|-------|-------|-------|
| ISO-Bezeichn.<br>ISO code         | siehe Zeichnung   see drawing |      |      |      |      | pCBN beschichtet   pCBN coated  |        |        |        |          |        | pCBN uncoated |       |       | PKD   PCD       |       |       |       |
|                                   | iC                            | S    | I    | R    | SKL  | finishing   |        | medium |        | roughing |        | uncoated      |       |       | uncoated        |       |       |       |
|                                   | (mm)                          | (mm) | (mm) | (mm) | (mm) | DMT010  | DMT020 | DMT025 | DMS025 | DMT030   | DMT035 | DMS035        | V6025 | V6035 | V9025           | V7010 | V8010 | V8015 |
| SNGA 120408 A8                    | 12,7                          | 4,76 | 11,9 | 0,8  | 2,5  | ○   | ○      | ●      |        | ○        | ○      |               |       |       |                 |       |       |       |
| SNGA 120412 A8                    | 12,7                          | 4,76 | 11,5 | 1,2  | 2,5  | ○   | ○      | ○      |        | ○        | ○      |               |       |       |                 |       |       |       |
|                                   |                               |      |      |      |      | K05-K15   K10-K20   K10-K20   K15-K30   K05-K20   K15-K20                           |        |        |        |          |        | S05-S15   S15 |       |       | N05   N05   N05 |       |       |       |
|                                   |                               |      |      |      |      | H01-H10   H05-H20   H10-H25   H10-H25   H15-H30   H15-H35   H15-H35   H20-H25   H30 |        |        |        |          |        | (H05)         |       |       |                 |       |       |       |

Drehstahlhalter auf den Seiten | tools on pages: 163, 164, 165, 166, 170, 171, 172, 173, 192, 200, 201, 202, 203, 219



## SNGN

solid pCBN/PKD Wendeschneidplatte, Negativ 90°  
solid pCBN/PCD insert, negative 90°



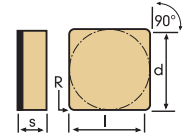
| TECHNISCHE DATEN   TECHNICAL DATA |                               |      |      |      |       | SORTEN   GRADES                |        |        |        |          |        |               |       |       |           |       |       |         |  |  |         |  |  |         |  |  |         |  |  |         |  |  |         |  |  |     |  |  |       |  |  |
|-----------------------------------|-------------------------------|------|------|------|-------|--------------------------------|--------|--------|--------|----------|--------|---------------|-------|-------|-----------|-------|-------|---------|--|--|---------|--|--|---------|--|--|---------|--|--|---------|--|--|---------|--|--|-----|--|--|-------|--|--|
| ISO-Bezeichn.<br>ISO code         | siehe Zeichnung   see drawing |      |      |      |       | pCBN beschichtet   pCBN coated |        |        |        |          |        | pCBN uncoated |       |       | PKD   PCD |       |       |         |  |  |         |  |  |         |  |  |         |  |  |         |  |  |         |  |  |     |  |  |       |  |  |
|                                   | iC                            | S    | l    | R    | SKL   | finishing                      |        | medium |        | roughing |        | uncoated      |       |       | uncoated  |       |       |         |  |  |         |  |  |         |  |  |         |  |  |         |  |  |         |  |  |     |  |  |       |  |  |
|                                   | (mm)                          | (mm) | (mm) | (mm) | (mm)  | DMT010                         | DMT020 | DMT025 | DMS025 | DMT030   | DMT035 | DMS035        | V6025 | V6035 | V9025     | V7010 | V8010 | V8015   |  |  |         |  |  |         |  |  |         |  |  |         |  |  |         |  |  |     |  |  |       |  |  |
| SNGN 120408 T2                    | 12,7                          | 4,76 | 11,9 | 0,8  | solid |                                |        |        |        |          |        | ○             |       |       | ○         |       |       |         |  |  |         |  |  |         |  |  |         |  |  |         |  |  |         |  |  |     |  |  |       |  |  |
| SNGN 120412 T2                    | 12,7                          | 4,76 | 11,5 | 1,2  | solid |                                |        |        |        |          |        | ●             |       |       | ○         |       |       |         |  |  |         |  |  |         |  |  |         |  |  |         |  |  |         |  |  |     |  |  |       |  |  |
| SNGN 120416 T2                    | 12,7                          | 4,76 | 11,1 | 1,6  | solid |                                |        |        |        |          |        | ○             |       |       | ○         |       |       |         |  |  |         |  |  |         |  |  |         |  |  |         |  |  |         |  |  |     |  |  |       |  |  |
|                                   |                               |      |      |      |       |                                |        |        |        |          |        | K05-K15       |       |       | K10-K20   |       |       | K15-K30 |  |  | K05-K20 |  |  | K15-K20 |  |  |         |  |  |         |  |  |         |  |  |     |  |  |       |  |  |
|                                   |                               |      |      |      |       |                                |        |        |        |          |        | S05-S15       |       |       | S15       |       |       | N05     |  |  | N05     |  |  | N05     |  |  |         |  |  |         |  |  |         |  |  |     |  |  |       |  |  |
|                                   |                               |      |      |      |       |                                |        |        |        |          |        | H01-H10       |       |       | H05-H20   |       |       | H10-H25 |  |  | H10-H25 |  |  | H15-H30 |  |  | H15-H35 |  |  | H15-H35 |  |  | H20-H25 |  |  | H30 |  |  | (H05) |  |  |

Drehstahlhalter auf den Seiten | tools on pages: 230, 231, 232, 233, 234, 235, 241, 242, 243



## SNGN FF

full-face pCBN/PKD Wendeschneidplatte, Negativ 90°  
full-face pCBN/PCD insert, negative 90°



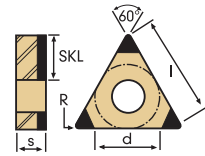
| TECHNISCHE DATEN   TECHNICAL DATA |                               |      |      |      |      | SORTEN   GRADES                |        |        |        |          |        |               |       |       |           |       |       |         |  |  |         |  |  |         |  |  |         |  |  |         |  |  |         |  |  |     |  |  |       |  |  |
|-----------------------------------|-------------------------------|------|------|------|------|--------------------------------|--------|--------|--------|----------|--------|---------------|-------|-------|-----------|-------|-------|---------|--|--|---------|--|--|---------|--|--|---------|--|--|---------|--|--|---------|--|--|-----|--|--|-------|--|--|
| ISO-Bezeichn.<br>ISO code         | siehe Zeichnung   see drawing |      |      |      |      | pCBN beschichtet   pCBN coated |        |        |        |          |        | pCBN uncoated |       |       | PKD   PCD |       |       |         |  |  |         |  |  |         |  |  |         |  |  |         |  |  |         |  |  |     |  |  |       |  |  |
|                                   | iC                            | S    | l    | R    | SKL  | finishing                      |        | medium |        | roughing |        | uncoated      |       |       | uncoated  |       |       |         |  |  |         |  |  |         |  |  |         |  |  |         |  |  |         |  |  |     |  |  |       |  |  |
|                                   | (mm)                          | (mm) | (mm) | (mm) | (mm) | DMT010                         | DMT020 | DMT025 | DMS025 | DMT030   | DMT035 | DMS035        | V6025 | V6035 | V9025     | V7010 | V8010 | V8015   |  |  |         |  |  |         |  |  |         |  |  |         |  |  |         |  |  |     |  |  |       |  |  |
| SNGN 120408 F0                    | 12,7                          | 4,76 | 11,9 | 0,8  | FF   |                                |        |        |        | ○        | ○      |               |       | ○     |           |       | ●     |         |  |  |         |  |  |         |  |  |         |  |  |         |  |  |         |  |  |     |  |  |       |  |  |
|                                   |                               |      |      |      |      |                                |        |        |        |          |        | K05-K15       |       |       | K10-K20   |       |       | K15-K30 |  |  | K05-K20 |  |  | K15-K20 |  |  |         |  |  |         |  |  |         |  |  |     |  |  |       |  |  |
|                                   |                               |      |      |      |      |                                |        |        |        |          |        | S05-S15       |       |       | S15       |       |       | N05     |  |  | N05     |  |  | N05     |  |  |         |  |  |         |  |  |         |  |  |     |  |  |       |  |  |
|                                   |                               |      |      |      |      |                                |        |        |        |          |        | H01-H10       |       |       | H05-H20   |       |       | H10-H25 |  |  | H10-H25 |  |  | H15-H30 |  |  | H15-H35 |  |  | H15-H35 |  |  | H20-H25 |  |  | H30 |  |  | (H05) |  |  |

Drehstahlhalter auf den Seiten | tools on pages: 230, 231, 232, 233, 234, 235, 241, 242, 243



## TNGA

3-schneidige pCBN/PKD Wendeschneidplatte, Negativ 60°  
3 corner pCBN/PCD insert, negative 60°



| TECHNISCHE DATEN   TECHNICAL DATA |                               |      |      |      |      | SORTEN   GRADES                |        |        |        |          |        |               |       |       |           |       |       |       |
|-----------------------------------|-------------------------------|------|------|------|------|--------------------------------|--------|--------|--------|----------|--------|---------------|-------|-------|-----------|-------|-------|-------|
| ISO-Bezeichn.<br>ISO code         | siehe Zeichnung   see drawing |      |      |      |      | pCBN beschichtet   pCBN coated |        |        |        |          |        | pCBN uncoated |       |       | PKD   PCD |       |       |       |
|                                   | iC                            | S    | I    | R    | SKL  | finishing                      |        | medium |        | roughing |        | uncoated      |       |       | uncoated  |       |       |       |
|                                   | (mm)                          | (mm) | (mm) | (mm) | (mm) | DMT010                         | DMT020 | DMT025 | DMS025 | DMT030   | DMT035 | DMS035        | V6025 | V6035 | V9025     | V7010 | V8010 | V8015 |
| TNGA 160404                       | 9,52                          | 4,76 | 15,5 | 0,4  | 2,0  |                                |        |        |        |          |        |               |       |       |           | ○     | ○     | ○     |
| TNGA 160404 F                     | 9,52                          | 4,76 | 15,5 | 0,4  | 2,0  | ●                              | ●      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| TNGA 160404 A                     | 9,52                          | 4,76 | 15,5 | 0,4  | 2,0  | ●                              | ○      | ●      |        | ○        | ○      |               |       |       |           |       |       |       |
| TNGA 160404 R                     | 9,52                          | 4,76 | 15,5 | 0,4  | 2,0  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| TNGA 160408                       | 9,52                          | 4,76 | 14,5 | 0,8  | 2,5  |                                |        |        |        |          |        |               |       |       |           | ○     | ○     | ○     |
| TNGA 160408 F                     | 9,52                          | 4,76 | 14,5 | 0,8  | 2,5  | ●                              | ●      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| TNGA 160408 A                     | 9,52                          | 4,76 | 14,5 | 0,8  | 2,5  | ●                              | ●      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| TNGA 160408 R                     | 9,52                          | 4,76 | 14,5 | 0,8  | 2,5  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| TNGA 160412                       | 9,52                          | 4,76 | 13,5 | 1,2  | 2,5  |                                |        |        |        |          |        |               |       |       |           | ○     | ○     | ○     |
| TNGA 160412 F                     | 9,52                          | 4,76 | 13,5 | 1,2  | 2,5  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| TNGA 160412 A                     | 9,52                          | 4,76 | 13,5 | 1,2  | 2,5  | ●                              | ○      | ●      |        | ○        | ○      |               |       |       |           |       |       |       |
| TNGA 160412 R                     | 9,52                          | 4,76 | 13,5 | 1,2  | 2,5  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |

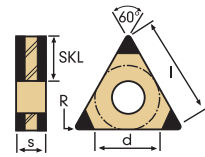
K05-K15 K10-K20 K10-K20 K15-K30 K05-K20 K15-K20  
N05 N05 N05  
S05-S15 S15  
H01-H10 H05-H20 H10-H25 H10-H25 H15-H30 H15-H35 H15-H35 H20-H25 H30 (H05)

Drehstahlhalter auf den Seiten | tools on pages: 167, 168, 204, 205, 206, 219



## TNGA Z6

6-schneidige pCBN/PKD Wendeschneidplatte, Negativ 60°  
6 corner pCBN/PCD insert, negative 60°



| TECHNISCHE DATEN   TECHNICAL DATA |                               |      |      |      |      | SORTEN   GRADES                |        |        |        |          |        |               |       |       |           |       |       |       |
|-----------------------------------|-------------------------------|------|------|------|------|--------------------------------|--------|--------|--------|----------|--------|---------------|-------|-------|-----------|-------|-------|-------|
| ISO-Bezeichn.<br>ISO code         | siehe Zeichnung   see drawing |      |      |      |      | pCBN beschichtet   pCBN coated |        |        |        |          |        | pCBN uncoated |       |       | PKD   PCD |       |       |       |
|                                   | iC                            | S    | I    | R    | SKL  | finishing                      |        | medium |        | roughing |        | uncoated      |       |       | uncoated  |       |       |       |
|                                   | (mm)                          | (mm) | (mm) | (mm) | (mm) | DMT010                         | DMT020 | DMT025 | DMS025 | DMT030   | DMT035 | DMS035        | V6025 | V6035 | V9025     | V7010 | V8010 | V8015 |
| TNGA 160404 F6                    | 9,52                          | 4,76 | 15,5 | 0,4  | 2,0  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| TNGA 160404 A6                    | 9,52                          | 4,76 | 15,5 | 0,4  | 2,0  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| TNGA 160404 R6                    | 9,52                          | 4,76 | 15,5 | 0,4  | 2,0  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| TNGA 160408 F6                    | 9,52                          | 4,76 | 14,5 | 0,8  | 2,5  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| TNGA 160408 A6                    | 9,52                          | 4,76 | 14,5 | 0,8  | 2,5  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| TNGA 160408 R6                    | 9,52                          | 4,76 | 14,5 | 0,8  | 2,5  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| TNGA 160412 F6                    | 9,52                          | 4,76 | 13,5 | 1,2  | 2,5  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| TNGA 160412 A6                    | 9,52                          | 4,76 | 13,5 | 1,2  | 2,5  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| TNGA 160412 R6                    | 9,52                          | 4,76 | 13,5 | 1,2  | 2,5  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |

K05-K15 K10-K20 K10-K20 K15-K30 K05-K20 K15-K20  
N05 N05 N05  
S05-S15 S15  
H01-H10 H05-H20 H10-H25 H10-H25 H15-H30 H15-H35 H15-H35 H20-H25 H30 (H05)

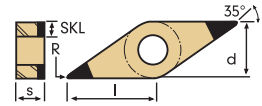
Drehstahlhalter auf den Seiten | tools on pages: 167, 168, 204, 205, 206, 219

T DREHEN | TURNING  
 Wsp negativ | inserts negative  
 W V T S R K D C  
 W V T S R K D C  
 Wsp positiv | inserts positive  
 T.2.1.1 T.2.1.2 T.2.1.3 T.2.1.4 T.2.2.1 T.2.2.2 T.2.2.3 T.2.2.4  
 Vandurit QuickChange system  
 Vandurit QuickChange system  
 Drehstahlhalter | tool holder  
 Drehstahlhalter | tool holder



## VNGA

2-schneidige pCBN/PKD Wendschneidplatte, Negativ 35°  
2 corner pCBN/PCD insert, negative 35°



| TECHNISCHE DATEN   TECHNICAL DATA |                               |      |      |      |      | SORTEN   GRADES                |        |        |        |          |        |               |       |       |           |       |       |       |
|-----------------------------------|-------------------------------|------|------|------|------|--------------------------------|--------|--------|--------|----------|--------|---------------|-------|-------|-----------|-------|-------|-------|
| ISO-Bezeichn.<br>ISO code         | siehe Zeichnung   see drawing |      |      |      |      | pCBN beschichtet   pCBN coated |        |        |        |          |        | pCBN uncoated |       |       | PKD   PCD |       |       |       |
|                                   | iC                            | S    | l    | R    | SKL  | finishing                      |        | medium |        | roughing |        | uncoated      |       |       | uncoated  |       |       |       |
|                                   | (mm)                          | (mm) | (mm) | (mm) | (mm) | DMT010                         | DMT020 | DMT025 | DMS025 | DMT030   | DMT035 | DMS035        | V6025 | V6035 | V9025     | V7010 | V8010 | V8015 |
| VNGA 160404                       | 9,52                          | 4,76 | 15,6 | 0,4  | 2,0  |                                |        |        |        |          |        |               |       |       |           | ○     | ○     | ○     |
| VNGA 160404 F                     | 9,52                          | 4,76 | 15,6 | 0,4  | 2,0  | ●                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| VNGA 160404 A                     | 9,52                          | 4,76 | 15,6 | 0,4  | 2,0  | ●                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| VNGA 160404 R                     | 9,52                          | 4,76 | 15,6 | 0,4  | 2,0  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| VNGA 160408                       | 9,52                          | 4,76 | 14,6 | 0,8  | 2,5  |                                |        |        |        |          |        |               |       |       |           | ○     | ○     | ○     |
| VNGA 160408 F                     | 9,52                          | 4,76 | 14,6 | 0,8  | 2,5  | ●                              | ○      | ●      |        | ○        | ○      |               |       |       |           |       |       |       |
| VNGA 160408 A                     | 9,52                          | 4,76 | 14,6 | 0,8  | 2,5  | ●                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| VNGA 160408 R                     | 9,52                          | 4,76 | 14,6 | 0,8  | 2,5  | ●                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |

K05-K15 K10-K20 K10-K20 K15-K30 K05-K20 K15-K20

N05 N05 N05

S05-S15 S15

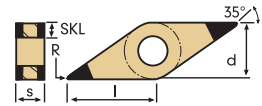
H01-H10 H05-H20 H10-H25 H10-H25 H15-H30 H15-H35 H15-H35 H20-H25 H30 (H05)

Drehstahlhalter auf den Seiten | tools on pages: [auf Anfrage](#) | [on inquiry](#)



## VNGA Z4

4-schneidige pCBN/PKD Wendschneidplatte, Negativ 35°  
4 corner pCBN/PCD insert, negative 35°



| TECHNISCHE DATEN   TECHNICAL DATA |                               |      |      |      |      | SORTEN   GRADES                |        |        |        |          |        |               |       |       |           |       |       |       |
|-----------------------------------|-------------------------------|------|------|------|------|--------------------------------|--------|--------|--------|----------|--------|---------------|-------|-------|-----------|-------|-------|-------|
| ISO-Bezeichn.<br>ISO code         | siehe Zeichnung   see drawing |      |      |      |      | pCBN beschichtet   pCBN coated |        |        |        |          |        | pCBN uncoated |       |       | PKD   PCD |       |       |       |
|                                   | iC                            | S    | l    | R    | SKL  | finishing                      |        | medium |        | roughing |        | uncoated      |       |       | uncoated  |       |       |       |
|                                   | (mm)                          | (mm) | (mm) | (mm) | (mm) | DMT010                         | DMT020 | DMT025 | DMS025 | DMT030   | DMT035 | DMS035        | V6025 | V6035 | V9025     | V7010 | V8010 | V8015 |
| VNGA 160404 F4                    | 9,52                          | 4,76 | 15,6 | 0,4  | 2,0  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| VNGA 160404 A4                    | 9,52                          | 4,76 | 15,6 | 0,4  | 2,0  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| VNGA 160404 R4                    | 9,52                          | 4,76 | 15,6 | 0,4  | 2,0  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| VNGA 160408 F4                    | 9,52                          | 4,76 | 14,6 | 0,8  | 2,5  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| VNGA 160408 A4                    | 9,52                          | 4,76 | 14,6 | 0,8  | 2,5  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| VNGA 160408 R4                    | 9,52                          | 4,76 | 14,6 | 0,8  | 2,5  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |

K05-K15 K10-K20 K10-K20 K15-K30 K05-K20 K15-K20

N05 N05 N05

S05-S15 S15

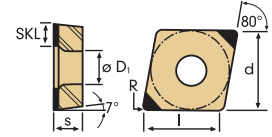
H01-H10 H05-H20 H10-H25 H10-H25 H15-H30 H15-H35 H15-H35 H20-H25 H30 (H05)

Drehstahlhalter auf den Seiten | tools on pages: [auf Anfrage](#) | [on inquiry](#)



## CCGW

2-schneidige 80° pCBN/PKD Wendeschneidplatte, Positiv 7°  
2 corner 80° pCBN/PCD insert, positive 7°



### TECHNISCHE DATEN | TECHNICAL DATA

### SORTEN | GRADES

| ISO-Bezeichn.<br>ISO code | siehe Zeichnung   see drawing |           |           |           |             | pCBN beschichtet   pCBN coated |        |        |        |          |        | pCBN uncoated |       |       | PKD   PCD |       |       |       |   |
|---------------------------|-------------------------------|-----------|-----------|-----------|-------------|--------------------------------|--------|--------|--------|----------|--------|---------------|-------|-------|-----------|-------|-------|-------|---|
|                           | iC<br>(mm)                    | S<br>(mm) | l<br>(mm) | R<br>(mm) | SKL<br>(mm) | finishing                      |        | medium |        | roughing |        | uncoated      |       |       | uncoated  |       |       |       |   |
|                           |                               |           |           |           |             | DMT010                         | DMT020 | DMT025 | DMS025 | DMT030   | DMT035 | DMS035        | V6025 | V6035 | V9025     | V7010 | V8010 | V8015 |   |
| CCGW 060202               | 6,35                          | 2,38      | 6,0       | 0,2       | 2,0         |                                |        |        |        |          |        |               |       |       |           |       | ○     | ○     | ○ |
| CCGW 060202 F             | 6,35                          | 2,38      | 6,0       | 0,2       | 2,0         | ●                              | ●      | ●      |        | ○        | ○      |               |       |       |           |       |       |       |   |
| CCGW 060202 A             | 6,35                          | 2,38      | 6,0       | 0,2       | 2,0         | ○                              | ●      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |   |
| CCGW 060204               | 6,35                          | 2,38      | 6,0       | 0,4       | 2,0         |                                |        |        |        |          |        |               |       |       |           |       | ○     | ○     | ○ |
| CCGW 060204 F             | 6,35                          | 2,38      | 6,0       | 0,4       | 2,0         | ●                              | ●      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |   |
| CCGW 060204 A             | 6,35                          | 2,38      | 6,0       | 0,4       | 2,0         | ●                              | ●      | ○      |        | ●        | ○      |               |       |       |           |       |       |       |   |
| CCGW 060204 R             | 6,35                          | 2,38      | 6,0       | 0,4       | 2,0         | ●                              | ●      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |   |
| CCGW 060208               | 6,35                          | 2,38      | 5,6       | 0,8       | 2,5         |                                |        |        |        |          |        |               |       |       |           |       | ○     | ○     | ○ |
| CCGW 060208 F             | 6,35                          | 2,38      | 5,6       | 0,8       | 2,5         | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |   |
| CCGW 060208 A             | 6,35                          | 2,38      | 5,6       | 0,8       | 2,5         | ○                              | ○      | ○      |        | ●        | ○      |               |       |       |           |       |       |       |   |
| CCGW 060208 R             | 6,35                          | 2,38      | 5,6       | 0,8       | 2,5         | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |   |
| CCGW 09T304               | 9,52                          | 3,97      | 9,2       | 0,4       | 2,0         |                                |        |        |        |          |        |               |       |       |           |       | ○     | ○     | ○ |
| CCGW 09T304 F             | 9,52                          | 3,97      | 9,2       | 0,4       | 2,0         | ●                              | ○      | ●      |        | ○        | ○      |               |       |       |           |       |       |       |   |
| CCGW 09T304 A             | 9,52                          | 3,97      | 9,2       | 0,4       | 2,0         | ○                              | ●      | ○      |        | ●        | ○      |               |       |       |           |       |       |       |   |
| CCGW 09T304 R             | 9,52                          | 3,97      | 9,2       | 0,4       | 2,0         | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |   |
| CCGW 09T308               | 9,52                          | 3,97      | 8,8       | 0,8       | 2,5         |                                |        |        |        |          |        |               |       |       |           |       | ○     | ○     | ○ |
| CCGW 09T308 F             | 9,52                          | 3,97      | 8,8       | 0,8       | 2,5         | ●                              | ●      | ●      |        | ○        | ○      |               |       |       |           |       |       |       |   |
| CCGW 09T308 A             | 9,52                          | 3,97      | 8,8       | 0,8       | 2,5         | ●                              | ●      | ●      |        | ○        | ○      |               |       |       |           |       |       |       |   |
| CCGW 09T308 R             | 9,52                          | 3,97      | 8,8       | 0,8       | 2,5         | ○                              | ●      | ○      |        | ○        | ●      |               |       |       |           |       |       |       |   |
| CCGW 09T312               | 9,52                          | 3,97      | 8,8       | 1,2       | 2,5         |                                |        |        |        |          |        |               |       |       |           |       | ○     | ○     | ○ |
| CCGW 09T312 F             | 9,52                          | 3,97      | 8,8       | 1,2       | 2,5         | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |   |
| CCGW 09T312 A             | 9,52                          | 3,97      | 8,8       | 1,2       | 2,5         | ●                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |   |
| CCGW 09T312 R             | 9,52                          | 3,97      | 8,8       | 1,2       | 2,5         | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |   |

K05-K15 | K10-K20 | K10-K20 | K15-K30 | K05-K20 | K15-K20

N05 | N05 | N05

S05-S15 | S15

H01-H10 | H05-H20 | H10-H25 | H10-H25 | H15-H30 | H15-H35 | H15-H35 | H20-H25 | H30

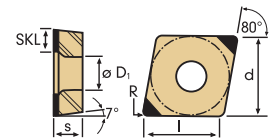
(H05)

Drehstahlhalter auf den Seiten | tools on pages: 174, 207, 221



## CCGW WIPER

2-schneidige 80° pCBN/PKD Wendeschneidplatte, Positiv 7°  
2 corner 80° pCBN/PCD insert, positive 7°



### TECHNISCHE DATEN | TECHNICAL DATA

### SORTEN | GRADES

| ISO-Bezeichn.<br>ISO code | siehe Zeichnung   see drawing |           |           |           |             | pCBN beschichtet   pCBN coated |        |        |        |          |        | pCBN uncoated |       |       | PKD   PCD |       |       |       |  |
|---------------------------|-------------------------------|-----------|-----------|-----------|-------------|--------------------------------|--------|--------|--------|----------|--------|---------------|-------|-------|-----------|-------|-------|-------|--|
|                           | iC<br>(mm)                    | S<br>(mm) | l<br>(mm) | R<br>(mm) | SKL<br>(mm) | finishing                      |        | medium |        | roughing |        | uncoated      |       |       | uncoated  |       |       |       |  |
|                           |                               |           |           |           |             | DMT010                         | DMT020 | DMT025 | DMS025 | DMT030   | DMT035 | DMS035        | V6025 | V6035 | V9025     | V7010 | V8010 | V8015 |  |
| CCGW 060208W A            | 6,35                          | 2,38      | 5,6       | 0,8       | 2,5         | ●                              | ●      | ●      |        | ○        | ○      |               |       |       |           |       |       |       |  |
| CCGW 09T304W A            | 9,52                          | 3,97      | 9,2       | 0,4       | 2,0         | ●                              | ○      | ●      |        | ○        | ○      |               |       |       |           |       |       |       |  |
| CCGW 09T308W A            | 9,52                          | 3,97      | 8,8       | 0,8       | 2,5         | ○                              | ●      | ●      |        | ○        | ○      |               |       |       |           |       |       |       |  |

K05-K15 | K10-K20 | K10-K20 | K15-K30 | K05-K20 | K15-K20

N05 | N05 | N05

S05-S15 | S15

H01-H10 | H05-H20 | H10-H25 | H10-H25 | H15-H30 | H15-H35 | H15-H35 | H20-H25 | H30

(H05)

Drehstahlhalter auf den Seiten | tools on pages: 174, 207, 221

T | DREHEN | TURNING

W V T S R K D C  
Wsp negativ | inserts negative

C  
Wsp positiv | inserts positive

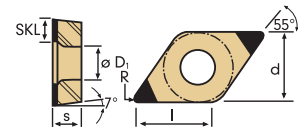
T.2.1.1 T.2.1.2 T.2.1.3  
Vandurit QuickChange system

T.2.2.1 T.2.2.2 T.2.2.3  
Drehstahlhalter | tool holder



### DCGW

2-schneidige 55° pCBN/PKD Wendeschneidplatte, Positiv 7°  
2 corner 55° pCBN/PCD insert, positive 7°



| TECHNISCHE DATEN   TECHNICAL DATA |                               |      |      |      |      | SORTEN   GRADES                |        |        |        |          |        |               |       |       |           |       |       |       |
|-----------------------------------|-------------------------------|------|------|------|------|--------------------------------|--------|--------|--------|----------|--------|---------------|-------|-------|-----------|-------|-------|-------|
| ISO-Bezeichn.<br>ISO code         | siehe Zeichnung   see drawing |      |      |      |      | pCBN beschichtet   pCBN coated |        |        |        |          |        | pCBN uncoated |       |       | PKD   PCD |       |       |       |
|                                   | iC                            | S    | I    | R    | SKL  | finishing                      |        | medium |        | roughing |        | uncoated      |       |       | uncoated  |       |       |       |
|                                   | (mm)                          | (mm) | (mm) | (mm) | (mm) | DMT010                         | DMT020 | DMT025 | DMS025 | DMT030   | DMT035 | DMS035        | V6025 | V6035 | V9025     | V7010 | V8010 | V8015 |
| DCGW 070202                       | 6,35                          | 2,38 | 7,5  | 0,2  | 2,0  |                                |        |        |        |          |        |               |       |       |           | ○     | ○     | ○     |
| DCGW 070202 F                     | 6,35                          | 2,38 | 7,5  | 0,2  | 2,0  | ○                              | ●      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| DCGW 070202 A                     | 6,35                          | 2,38 | 7,5  | 0,2  | 2,0  | ●                              | ○      | ○      |        | ●        | ○      |               |       |       |           |       |       |       |
| DCGW 070202 R                     | 6,35                          | 2,38 | 7,5  | 0,2  | 2,0  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| DCGW 070204                       | 6,35                          | 2,38 | 7,3  | 0,4  | 2,0  |                                |        |        |        |          |        |               |       |       |           | ○     | ○     | ○     |
| DCGW 070204 F                     | 6,35                          | 2,38 | 7,3  | 0,4  | 2,0  | ○                              | ○      | ●      |        | ○        | ○      |               |       |       |           |       |       |       |
| DCGW 070204 A                     | 6,35                          | 2,38 | 7,3  | 0,4  | 2,0  | ●                              | ●      | ●      |        | ○        | ○      |               |       |       |           |       |       |       |
| DCGW 070204 R                     | 6,35                          | 2,38 | 7,3  | 0,4  | 2,0  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| DCGW 070208                       | 6,35                          | 2,38 | 7,0  | 0,4  | 2,5  |                                |        |        |        |          |        |               |       |       |           | ○     | ○     | ○     |
| DCGW 070208 F                     | 6,35                          | 2,38 | 7,0  | 0,8  | 2,5  | ●                              | ○      | ●      |        | ○        | ○      |               |       |       |           |       |       |       |
| DCGW 070208 A                     | 6,35                          | 2,38 | 7,0  | 0,8  | 2,5  | ●                              | ○      | ○      |        | ○        | ●      |               |       |       |           |       |       |       |
| DCGW 070208 R                     | 6,35                          | 2,38 | 7,0  | 0,8  | 2,5  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| DCGW 11T302                       | 9,52                          | 3,97 | 11,6 | 0,2  | 2,0  |                                |        |        |        |          |        |               |       |       |           | ○     | ○     | ○     |
| DCGW 11T302 F                     | 9,52                          | 3,97 | 11,6 | 0,2  | 2,0  | ●                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| DCGW 11T302 A                     | 9,52                          | 3,97 | 11,6 | 0,2  | 2,0  | ●                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| DCGW 11T302 R                     | 9,52                          | 3,97 | 11,6 | 0,2  | 2,0  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |
| DCGW 11T304                       | 9,52                          | 3,97 | 11,2 | 0,4  | 2,0  |                                |        |        |        |          |        |               |       |       |           | ○     | ○     | ○     |
| DCGW 11T304 F                     | 9,52                          | 3,97 | 11,2 | 0,4  | 2,0  | ●                              | ●      | ●      |        | ●        | ○      |               |       |       |           |       |       |       |
| DCGW 11T304 A                     | 9,52                          | 3,97 | 11,2 | 0,4  | 2,0  | ●                              | ●      | ●      |        | ○        | ○      |               |       |       |           |       |       |       |
| DCGW 11T304 R                     | 9,52                          | 3,97 | 11,2 | 0,4  | 2,0  | ○                              | ○      | ○      |        | ●        | ○      |               |       |       |           |       |       |       |
| DCGW 11T308                       | 9,52                          | 3,97 | 10,8 | 0,8  | 2,5  |                                |        |        |        |          |        |               |       |       |           | ○     | ○     | ○     |
| DCGW 11T308 F                     | 9,52                          | 3,97 | 10,8 | 0,8  | 2,5  | ●                              | ●      | ●      |        | ○        | ○      |               |       |       |           |       |       |       |
| DCGW 11T308 A                     | 9,52                          | 3,97 | 10,8 | 0,8  | 2,5  | ●                              | ●      | ●      |        | ○        | ○      |               |       |       |           |       |       |       |
| DCGW 11T308 R                     | 9,52                          | 3,97 | 10,8 | 0,8  | 2,5  | ○                              | ○      | ○      |        | ○        | ○      |               |       |       |           |       |       |       |

K05-K15 | K10-K20 | K10-K20 | K15-K30 | K05-K20 | K15-K20

N05 | N05 | N05

S05-S15 | S15

H01-H10 | H05-H20 | H10-H25 | H10-H25 | H15-H30 | H15-H35 | H15-H35 | H20-H25 | H30

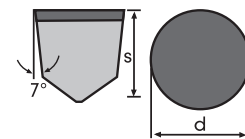
(H05)

Drehstahlhalter auf den Seiten | tools on pages: 175, 183, 184, 208, 222



### RCGX

full-face pCBN/PKD, Positiv 7°, runde WSP zum Schruppen  
full-face pCBN/PCD, positive 7°, round insert for roughing



| TECHNISCHE DATEN   TECHNICAL DATA |                               |       |      |      |      | SORTEN   GRADES                |        |        |        |          |        |               |       |       |           |       |       |       |
|-----------------------------------|-------------------------------|-------|------|------|------|--------------------------------|--------|--------|--------|----------|--------|---------------|-------|-------|-----------|-------|-------|-------|
| ISO-Bezeichn.<br>ISO code         | siehe Zeichnung   see drawing |       |      |      |      | pCBN beschichtet   pCBN coated |        |        |        |          |        | pCBN uncoated |       |       | PKD   PCD |       |       |       |
|                                   | iC                            | S     | I    | R    | SKL  | finishing                      |        | medium |        | roughing |        | uncoated      |       |       | uncoated  |       |       |       |
|                                   | (mm)                          | (mm)  | (mm) | (mm) | (mm) | DMT010                         | DMT020 | DMT025 | DMS025 | DMT030   | DMT035 | DMS035        | V6025 | V6035 | V9025     | V7010 | V8010 | V8015 |
| RCGX 090700 T1 F                  | 9,52                          | 8,00  |      |      | FF   |                                |        |        |        | ○        | ○      |               | ●     | ●     |           |       |       |       |
| RCGX 120700 T1 F                  | 12,70                         | 8,00  |      |      | FF   |                                |        |        |        | ○        | ○      |               | ●     | ●     |           |       |       |       |
| RCGX 120700 T2 F                  | 12,70                         | 8,00  |      |      | FF   |                                |        |        |        | ○        | ○      |               | ○     | ●     |           |       |       |       |
| RCGX 151000 T1 F                  | 15,88                         | 10,00 |      |      | FF   |                                |        |        |        |          |        |               |       | ●     |           |       |       |       |
| RCGX 151000 T2 F                  | 15,88                         | 10,00 |      |      | FF   |                                |        |        |        |          |        |               |       | ●     |           |       |       |       |

K05-K15 | K10-K20 | K10-K20 | K15-K30 | K05-K20 | K15-K20

N05 | N05 | N05

S05-S15 | S15

H01-H10 | H05-H20 | H10-H25 | H10-H25 | H15-H30 | H15-H35 | H15-H35 | H20-H25 | H30

(H05)

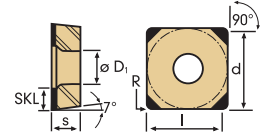
Drehstahlhalter auf den Seiten | tools on pages: 228





# SCGW

4-schneidige 90° pCBN/PKD Wendeschneidplatte, Positiv 7°  
4 corner 90° pCBN/PCD insert, positive 7°



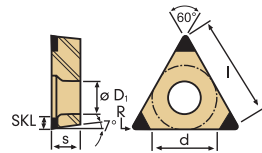
| TECHNISCHE DATEN   TECHNICAL DATA |                               |      |      |      |      | SORTEN   GRADES   |        |        |        |          |        |               |       |       |                 |       |       |       |  |
|-----------------------------------|-------------------------------|------|------|------|------|---|--------|--------|--------|----------|--------|---------------|-------|-------|-----------------|-------|-------|-------|--|
| ISO-Bezeichn.<br>ISO code         | siehe Zeichnung   see drawing |      |      |      |      | pCBN beschichtet   pCBN coated  |        |        |        |          |        | pCBN uncoated |       |       | PKD   PCD       |       |       |       |  |
|                                   | iC                            | S    | l    | R    | SKL  | finishing   |        | medium |        | roughing |        | uncoated      |       |       | uncoated        |       |       |       |  |
|                                   | (mm)                          | (mm) | (mm) | (mm) | (mm) | DMT010  | DMT020 | DMT025 | DMS025 | DMT030   | DMT035 | DMS035        | V6025 | V6035 | V9025           | V7010 | V8010 | V8015 |  |
| SCGW 09T304                       | 9,52                          | 3,97 | 9,1  | 0,4  | 2,0  |   |        |        |        |          |        |               |       |       |                 |       |       |       |  |
| SCGW 09T304 A                     | 9,52                          | 3,97 | 9,1  | 0,4  | 2,0  | ○   | ○      | ○      |        | ○        | ○      |               |       |       |                 | ○     | ○     | ○     |  |
| SCGW 09T308                       | 9,52                          | 3,97 | 8,7  | 0,8  | 2,5  |   |        |        |        |          |        |               |       |       |                 | ○     | ○     | ○     |  |
| SCGW 09T308 A                     | 9,52                          | 3,97 | 8,7  | 0,8  | 2,5  | ○   | ○      | ○      |        | ○        | ○      |               |       |       |                 |       |       |       |  |
|                                   |                               |      |      |      |      | K05-K15   K10-K20   K10-K20   K15-K30   K05-K20   K15-K20                           |        |        |        |          |        | S05-S15   S15 |       |       | N05   N05   N05 |       |       |       |  |
|                                   |                               |      |      |      |      | H01-H10   H05-H20   H10-H25   H10-H25   H15-H30   H15-H35   H15-H35   H20-H25   H30 |        |        |        |          |        | (H05)         |       |       |                 |       |       |       |  |

Drehstahlhalter auf den Seiten | tools on pages: 209, 223



# TCGW

3-schneidige 60° pCBN/PKD Wendeschneidplatte, Positiv 7°  
3 corner 60° pCBN/PCD insert, positive 7°



| TECHNISCHE DATEN   TECHNICAL DATA |                               |      |      |      |      | SORTEN   GRADES   |        |        |        |          |        |               |       |       |                 |       |       |       |   |
|-----------------------------------|-------------------------------|------|------|------|------|---|--------|--------|--------|----------|--------|---------------|-------|-------|-----------------|-------|-------|-------|---|
| ISO-Bezeichn.<br>ISO code         | siehe Zeichnung   see drawing |      |      |      |      | pCBN beschichtet   pCBN coated  |        |        |        |          |        | pCBN uncoated |       |       | PKD   PCD       |       |       |       |   |
|                                   | iC                            | S    | l    | R    | SKL  | finishing   |        | medium |        | roughing |        | uncoated      |       |       | uncoated        |       |       |       |   |
|                                   | (mm)                          | (mm) | (mm) | (mm) | (mm) | DMT010  | DMT020 | DMT025 | DMS025 | DMT030   | DMT035 | DMS035        | V6025 | V6035 | V9025           | V7010 | V8010 | V8015 |   |
| TCGW 090202                       | 5,56                          | 2,38 | 9,6  | 0,2  | 2,0  |   |        |        |        |          |        |               |       |       |                 |       |       |       |   |
| TCGW 090202 F                     | 5,56                          | 2,38 | 9,6  | 0,2  | 2,0  | ○   | ○      | ○      |        | ○        | ○      |               |       |       |                 | ○     | ○     | ○     |   |
| TCGW 090204                       | 5,56                          | 2,38 | 8,6  | 0,4  | 2,0  |   |        |        |        |          |        |               |       |       |                 | ○     | ○     | ○     |   |
| TCGW 090204 A                     | 5,56                          | 2,38 | 8,6  | 0,4  | 2,0  | ○   | ○      | ○      |        | ○        | ○      |               |       |       |                 |       |       |       |   |
| TCGW 110204                       | 6,35                          | 2,38 | 10,0 | 0,4  | 2,0  |   |        |        |        |          |        |               |       |       |                 | ○     | ○     | ○     |   |
| TCGW 110204 F                     | 6,35                          | 2,38 | 10,0 | 0,4  | 2,0  | ○   | ●      | ○      |        | ○        | ○      |               |       |       |                 |       |       |       |   |
| TCGW 110204 A                     | 6,35                          | 2,38 | 10,0 | 0,4  | 2,0  | ○   | ○      | ●      |        | ○        | ○      |               |       |       |                 |       |       |       |   |
| TCGW 110208                       | 6,35                          | 2,38 | 9,0  | 0,8  | 2,5  |   |        |        |        |          |        |               |       |       |                 | ○     | ○     | ○     |   |
| TCGW 110208 A                     | 6,35                          | 2,38 | 9,0  | 0,8  | 2,5  | ○   | ○      | ○      |        | ○        | ○      |               |       |       |                 |       |       |       |   |
| TCGW 16T304                       | 9,52                          | 9,52 | 15,5 | 0,4  | 2,0  |   |        |        |        |          |        |               |       |       |                 |       | ○     | ○     | ○ |
| TCGW 16T304 F                     | 9,52                          | 9,52 | 15,5 | 0,4  | 2,0  | ○   | ○      | ○      |        | ○        | ○      |               |       |       |                 |       |       |       |   |
| TCGW 16T308                       | 9,52                          | 9,52 | 14,5 | 0,8  | 2,5  |   |        |        |        |          |        |               |       |       |                 | ○     | ○     | ○     |   |
| TCGW 16T308 F                     | 9,52                          | 9,52 | 14,5 | 0,8  | 2,5  | ○   | ●      | ○      |        | ○        | ○      |               |       |       |                 |       |       |       |   |
| TCGW 16T308 A                     | 9,52                          | 9,52 | 14,5 | 0,8  | 2,5  | ○   | ○      | ●      |        | ○        | ○      |               |       |       |                 |       |       |       |   |
| TCGW 16T308 R                     | 9,52                          | 9,52 | 14,5 | 0,8  | 2,5  | ●   | ○      | ○      |        | ○        | ○      |               |       |       |                 |       |       |       |   |
|                                   |                               |      |      |      |      | K05-K15   K10-K20   K10-K20   K15-K30   K05-K20   K15-K20                           |        |        |        |          |        | S05-S15   S15 |       |       | N05   N05   N05 |       |       |       |   |
|                                   |                               |      |      |      |      | H01-H10   H05-H20   H10-H25   H10-H25   H15-H30   H15-H35   H15-H35   H20-H25   H30 |        |        |        |          |        | (H05)         |       |       |                 |       |       |       |   |

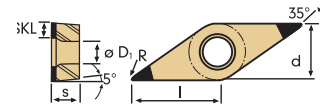
Drehstahlhalter auf den Seiten | tools on pages: 178, 184, 210, 211, 212, 223

T DREHEN | TURNING  
 Wsp negativ | inserts negative  
 W V T S R K D C  
 W V T S R K D C  
 Wsp positiv | inserts positive  
 W V T S R K D C  
 Vandurit QuickChange system  
 T.2.1.1 T.2.1.2 T.2.1.3 T.2.1.4 T.2.1.1 T.2.2.1 T.2.2.2 T.2.2.3 T.2.2.4  
 Drehstahlhalter | tool holder



## VBGW

2-schneidige 35° pCBN/PKD Wendeschneidplatte, Positiv 5°  
2 corner 35° pCBN/PCD insert, positive 5°



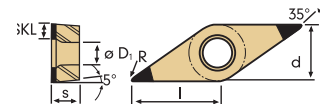
| TECHNISCHE DATEN   TECHNICAL DATA |                               |      |      |      |      | SORTEN   GRADES   |        |        |               |        |        |               |       |       |                 |       |       |       |  |
|-----------------------------------|-------------------------------|------|------|------|------|---|--------|--------|---------------|--------|--------|---------------|-------|-------|-----------------|-------|-------|-------|--|
| ISO-Bezeichn.<br>ISO code         | siehe Zeichnung   see drawing |      |      |      |      | pCBN beschichtet   pCBN coated  |        |        | pCBN uncoated |        |        | PKD   PCD     |       |       |                 |       |       |       |  |
|                                   | iC                            | S    | I    | R    | SKL  | finishing   |        |        | medium        |        |        | roughing      |       |       | uncoated        |       |       |       |  |
|                                   | (mm)                          | (mm) | (mm) | (mm) | (mm) | DMT010  | DMT020 | DMT025 | DMS025        | DMT030 | DMT035 | DMS035        | V6025 | V6035 | V9025           | V7010 | V8010 | V8015 |  |
| VBGW 160404                       | 9,52                          | 4,76 | 15,6 | 0,4  | 2,0  |   |        |        |               |        |        |               |       |       |                 |       |       |       |  |
| VBGW 160404 F                     | 9,52                          | 4,76 | 15,6 | 0,4  | 2,0  | ●   | ●      | ●      |               | ○      | ○      |               |       |       |                 | ○     | ○     | ○     |  |
| VBGW 160404 A                     | 9,52                          | 4,76 | 15,6 | 0,4  | 2,0  | ●   | ●      | ○      |               | ○      | ○      |               |       |       |                 |       |       |       |  |
| VBGW 160404 R                     | 9,52                          | 4,76 | 15,6 | 0,4  | 2,0  | ○   | ○      | ●      |               | ○      | ○      |               |       |       |                 |       |       |       |  |
| VBGW 160408                       | 9,52                          | 4,76 | 14,6 | 0,8  | 2,5  |   |        |        |               |        |        |               |       |       |                 | ○     | ○     | ○     |  |
| VBGW 160408 F                     | 9,52                          | 4,76 | 14,6 | 0,8  | 2,5  | ●   | ○      | ○      |               | ○      | ○      |               |       |       |                 |       |       |       |  |
| VBGW 160408 A                     | 9,52                          | 4,76 | 14,6 | 0,8  | 2,5  | ●   | ●      | ●      |               | ○      | ○      |               |       |       |                 |       |       |       |  |
| VBGW 160408 R                     | 9,52                          | 4,76 | 14,6 | 0,8  | 2,5  | ○   | ●      | ○      |               | ○      | ○      |               |       |       |                 |       |       |       |  |
|                                   |                               |      |      |      |      | K05-K15   K10-K20   K10-K20   K15-K30   K05-K20   K15-K20                           |        |        |               |        |        | S05-S15   S15 |       |       | N05   N05   N05 |       |       |       |  |
|                                   |                               |      |      |      |      | H01-H10   H05-H20   H10-H25   H10-H25   H15-H30   H15-H35   H15-H35   H20-H25   H30 |        |        |               |        |        | (H05)         |       |       |                 |       |       |       |  |

Drehstahlhalter auf den Seiten | tools on pages: 179, 179, 213, 214



## VBGW WIPER

2-schneidige 35° pCBN/PKD Wendeschneidplatte, Positiv 5°  
2 corner 35° pCBN/PCD insert, positive 5°



| TECHNISCHE DATEN   TECHNICAL DATA |                               |      |      |      |      | SORTEN   GRADES   |        |        |               |        |        |               |       |       |                 |       |       |       |
|-----------------------------------|-------------------------------|------|------|------|------|---|--------|--------|---------------|--------|--------|---------------|-------|-------|-----------------|-------|-------|-------|
| ISO-Bezeichn.<br>ISO code         | siehe Zeichnung   see drawing |      |      |      |      | pCBN beschichtet   pCBN coated  |        |        | pCBN uncoated |        |        | PKD   PCD     |       |       |                 |       |       |       |
|                                   | iC                            | S    | I    | R    | SKL  | finishing   |        |        | medium        |        |        | roughing      |       |       | uncoated        |       |       |       |
|                                   | (mm)                          | (mm) | (mm) | (mm) | (mm) | DMT010  | DMT020 | DMT025 | DMS025        | DMT030 | DMT035 | DMS035        | V6025 | V6035 | V9025           | V7010 | V8010 | V8015 |
| VBGW 160404W A                    | 9,52                          | 4,76 | 15,6 | 0,4  | 2,0  | ●   | ○      | ○      |               | ○      | ○      |               |       |       |                 |       |       |       |
| VBGW 160408W F                    | 9,52                          | 4,76 | 14,6 | 0,8  | 2,5  | ●   | ●      | ●      |               | ○      | ○      |               |       |       |                 |       |       |       |
| VBGW 160408W A                    | 9,52                          | 4,76 | 14,6 | 0,8  | 2,5  | ○   | ●      | ○      |               | ○      | ○      |               |       |       |                 |       |       |       |
|                                   |                               |      |      |      |      | K05-K15   K10-K20   K10-K20   K15-K30   K05-K20   K15-K20                           |        |        |               |        |        | S05-S15   S15 |       |       | N05   N05   N05 |       |       |       |
|                                   |                               |      |      |      |      | H01-H10   H05-H20   H10-H25   H10-H25   H15-H30   H15-H35   H15-H35   H20-H25   H30 |        |        |               |        |        | (H05)         |       |       |                 |       |       |       |

Drehstahlhalter auf den Seiten | tools on pages: 178, 179, 213, 214