



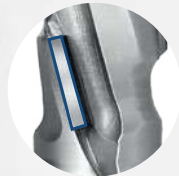
# CNC PROCESSING



## DIAMOND ROUTER BITS

ITA TOOLS production

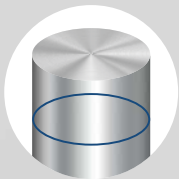
Ideal for machining  
wood-based and  
composite materials.



Polished back edge of PCD insert  
reduces chip adhesion.

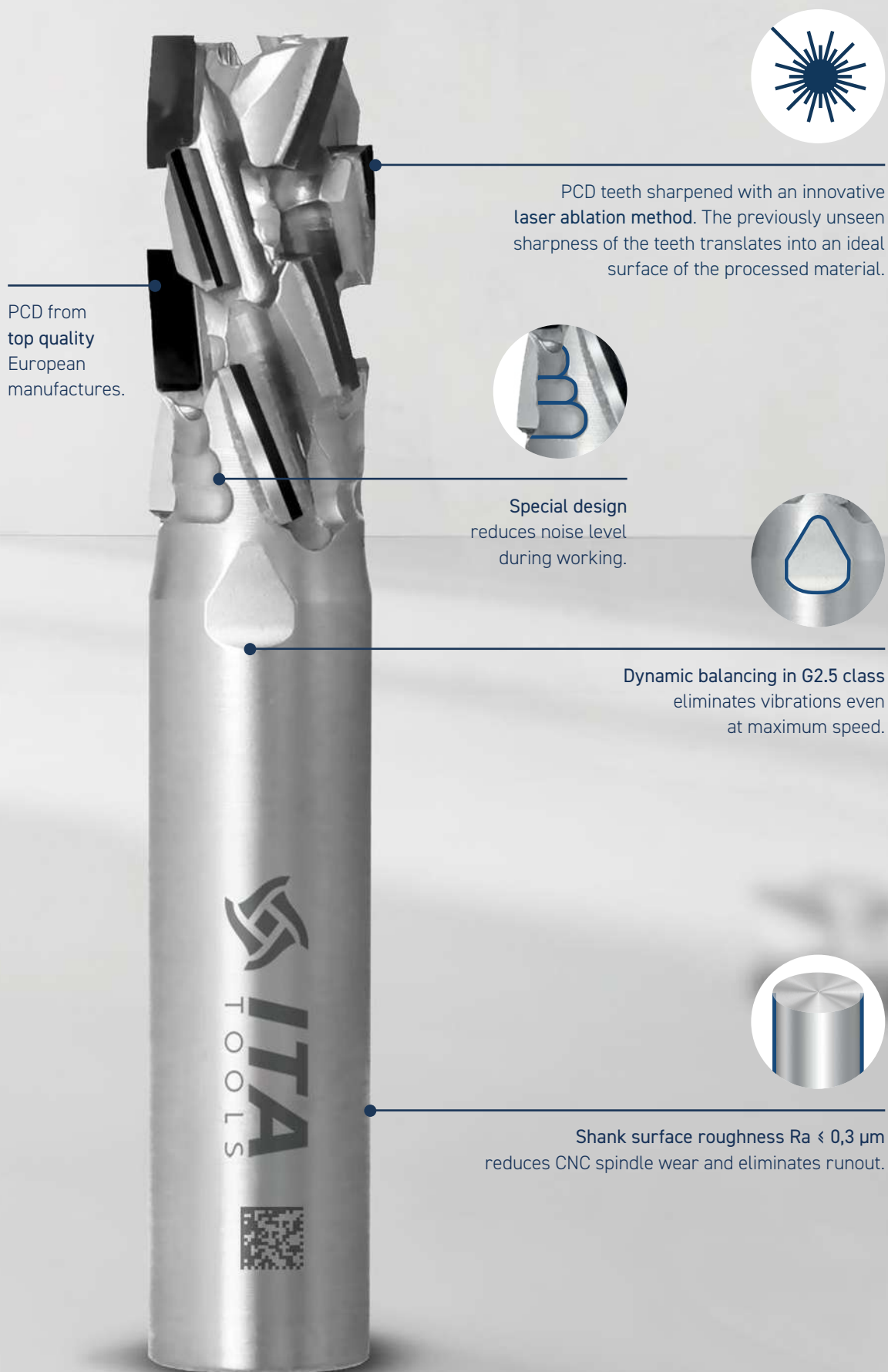


Deep channels for  
easy chip ejection.



H6 chuck tolerance  
reduces run-out increasing tool life.







DT1 series  
**Z1**



p. 24

DT2 series  
**Z2**



p. 26

DT2 **LED LIGHTS** series  
**Z2**

**NEW**



p. 28

DTS series  
**Z2+1**



p. 29

DTA series  
**Z1+1**



p. 31

DTB series  
**Z1+1 PRO**



p. 34

DTN series  
**Z2+2 PRO**



p. 36

DTL series  
**Z2+2 PRO**



p. 38

DTE series  
**Z3+1 TURBO**



p. 40

DTE series  
**Z3+1 TURBO  
NESTING**



p. 42

DTE series  
**Z3+1  
NESTING**



p. 43

DTF series  
**Z2+2  
NESTING**



p. 44

DTM series  
**Z3+3  
NESTING**



p. 45

DTC series  
**Z2+2, Z3+3**  
DTJ series  
**Z4+2+4**



p. 47

FDI, FDT  
series  
**Z2, Z2+1,  
Z2+2**



p. 49

FDP series  
**Z3, Z2+2**



p. 50

FDH series



p. 51

FWP series



p. 52

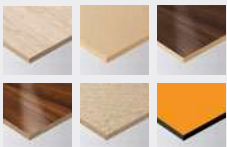
FWH series

**NEW**



p. 53

# PCD Nesting Cutters Handbook

| SERIES                   | Z   | MATERIALS                                                                           | WORKING<br>PARAMETERS                                                                 | TOOLS LIFE | PRODUCT                                                                               |
|--------------------------|-----|-------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|------------|---------------------------------------------------------------------------------------|
| <b>DTS</b><br>page 29    | 2+1 |    | HPL – 4-6 m/min<br>MDF – 8-12 m/min<br>PLYWOOD – 8-12 m/min<br><br>RPM 18000-24000    | ...        |    |
| <b>DTR</b><br>page 128   | 4+1 |    | HPL – 8-12 m/min<br>MDF – 10-16 m/min<br>PLYWOOD – 12-18 m/min<br><br>RPM 18000-24000 | ...        |    |
| <b>DTE</b><br>page 40-43 | 3+1 |  | Feed speed 12-16 m/min<br><br>RPM 18000-24000                                         | ...        |  |
| <b>DTF</b><br>page 44    | 2+2 |  | Feed speed 14-20 m/min<br><br>RPM 18000-24000                                         | ...        |  |
| <b>DTM</b><br>page 45    | 3+3 |  | Feed speed 15-25 m/min<br><br>RPM 18000-24000                                         | ...        |  |

## Materials:



HPL


LAMINATED  
MDF


RAW MDF


LAMINATED  
CHIPBOARD

RAW  
CHIPBOARD


PLYWOOD

## Diamond Router Bits Z1

DT1



Z1

RH



### Technical details:

- One full negative or straight PCD blade
- Body made from tungsten carbide hardness of 93,8 HRA
- Can be resharpened:  
H2,5 – (2-3 sharpening operations),  
H3 – (3-4 sharpening operations)

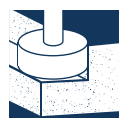
### Application:



CUTTING



JOINTING



RABBETING



GROOVING

### Materials:



RAW MDF



LAMINATED  
MDF



RAW  
CHIPBOARD



LAMINATED  
CHIPBOARD



PLYWOOD



LAMINATED  
PLYWOOD



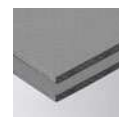
GLASS FIBER/  
CARBON FIBER



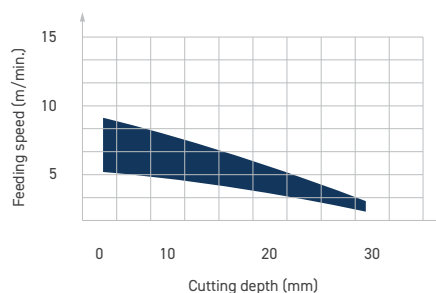
CORIAN®  
/HPL



ALUMINUM



FIBER  
CEMENT



Results shown in this diagram are purely empirical, based merely on informative and could change depending of kind of work and type of material.

| D<br>mm | I<br>mm | L<br>mm | S<br>mm | Z | α    | PCD H<br>mm | BODY | ARTICLE           |
|---------|---------|---------|---------|---|------|-------------|------|-------------------|
| 4       | 12      | 70      | 6       | 1 | 0°   | 2,5         | HM   | DT1.04.012.06.0MR |
| 5       | 10      | 60      | 6       | 1 | Neg. | 3,0         | HM   | DT1.05.010.06.0MR |
| 5       | 20      | 70      | 6       | 1 | Neg. | 3,0         | HM   | DT1.05.020.06.0MR |
| 6       | 12      | 60      | 6       | 1 | Neg. | 3,0         | HM   | DT1.06.012.06.0MR |

Table continued on the next page ►

| D<br>mm | I<br>mm | L<br>mm | S<br>mm | Z | $\alpha$ | PCD H<br>mm | BODY | ARTICLE            |
|---------|---------|---------|---------|---|----------|-------------|------|--------------------|
| 6       | 12      | 70      | 8       | 1 | Neg.     | 3,0         | HM   | DT1.06.012.08.0MR  |
| 6       | 12      | 70      | 10      | 1 | Neg.     | 3,0         | HM   | DT1.06.012.10.0MR  |
| 6       | 20      | 70      | 6       | 1 | 0°       | 3,0         | HM   | DT1.06.020.06.0MR  |
| 6       | 22      | 75      | 12      | 1 | Neg.     | 3,0         | HM   | DT1.06.022.12.0MR  |
| 6,4     | 12,7    | 64,5    | 6,4     | 1 | Neg.     | 2,5         | HM   | DT1.06.012.06.5MR2 |
| 8       | 15      | 70      | 8       | 1 | Neg.     | 3,0         | HM   | DT1.08.015.08.0MR  |
| 8       | 20      | 70      | 8       | 1 | Neg.     | 3,0         | HM   | DT1.08.020.08.0MR  |
| 8       | 23      | 75      | 12      | 1 | 0°       | 3,0         | HM   | DT1.08.023.12.0MR  |
| 10      | 15      | 70      | 10      | 1 | Neg.     | 3,0         | HM   | DT1.10.015.10.0MR  |
| 12      | 20      | 73      | 12      | 1 | Neg.     | 3,0         | HM   | DT1.12.020.12.0MR  |

## DT2



Z2

RH



### Technical details:

- Two full negative or straight PCD tips
- Body made from tungsten carbide hardness of 93,8 HRA or stainless steel
- Can be resharpened:  
H3 – (3-4 sharpening operations)

### Application:



CUTTING



JOINTING



RABBETING



GROOVING

### Materials:



RAW MDF



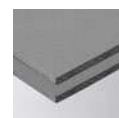
LAMINATED MDF



RAW CHIPBOARD



LAMINATED CHIPBOARD



FIBER CEMENT



GLASS FIBER/  
CARBON FIBER



CORIAN®  
/ HPL



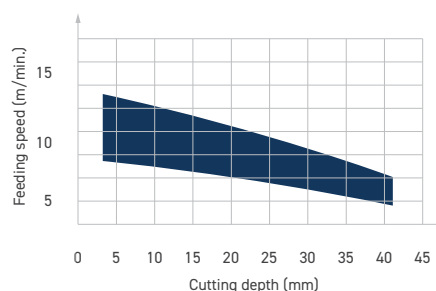
PLYWOOD



LAMINATED  
PLYWOOD



ALUMINUM



Results shown in this diagram are purely empirical, based merely on informative and could change depending of kind of work and type of material.

| D<br>mm | I<br>mm | L<br>mm | S<br>mm | Z | α    | PCD H<br>mm | BODY | ARTICLE           |
|---------|---------|---------|---------|---|------|-------------|------|-------------------|
| 6       | 10      | 75      | 12      | 2 | Neg. | 3,0         | HM   | DT2.06.010.12.0MR |
| 8       | 15      | 70      | 8       | 2 | Neg. | 3,0         | HM   | DT2.08.015.08.0MR |
| 8       | 15      | 70      | 10      | 2 | Neg. | 3,0         | HM   | DT2.08.015.10.0MR |
| 8       | 20      | 70      | 8       | 2 | Neg. | 3,0         | HM   | DT2.08.020.08.0MR |

Table continued on the next page ►



## Diamond Router Bits Z2

| D<br>mm | I<br>mm | L<br>mm | S<br>mm | Z | α    | PCD H<br>mm | BODY | ARTICLE           |
|---------|---------|---------|---------|---|------|-------------|------|-------------------|
| 8       | 22      | 75      | 12      | 2 | Neg. | 3,0         | HM   | DT2.08.022.12.0MR |
| 9       | 15      | 71,5    | 10      | 2 | Neg. | 2,5         | HM   | DT2.09.015.10.2MR |
| 9       | 15      | 71,5    | 10      | 2 | Neg. | 2,5         | HM   | DT2.09.021.10.2MR |
| 10      | 10      | 73      | 12      | 2 | Neg. | 3,0         | HM   | DT2.10.010.12.0MR |
| 10      | 15      | 70      | 10      | 2 | Neg. | 3,0         | HM   | DT2.10.015.10.0MR |
| 10      | 22      | 70      | 12      | 2 | Neg. | 3,0         | HM   | DT2.10.022.12.0MR |
| 10      | 15      | 70      | 8       | 2 | Neg. | 3,0         | HM   | DT2.10.015.08.0MR |
| 12      | 15      | 73      | 12      | 2 | Neg. | 3,0         | HM   | DT2.12.015.12.0MR |
| 12      | 20      | 73      | 12      | 2 | Neg. | 3,0         | HM   | DT2.12.020.12.0MR |
| 1/2"    | 5/8"    | 3"      | 1/2"    | 2 | Neg. | 2,5         | HM   | DT2.12.015.12.5MR |

### Sizes in inches:

| D<br>inch | I<br>inch | L<br>inch | S<br>inch | Z | α  | PCD H<br>mm | BODY | ARTICLE           |
|-----------|-----------|-----------|-----------|---|----|-------------|------|-------------------|
| 1/4       | 1/2       | 2 3/4     | 3/8       | 2 | 0° | 2,5         | HM   | DT2.06.012.09.5MR |
| 1/4       | 1/2       | 2 3/4     | 1/4       | 2 | 0° | 2,5         | HM   | DT2.06.012.12.5MR |
| 1/4       | 3/4       | 2 3/4     | 1/4       | 2 | 0° | 2,0         | HM   | DT2.06.019.06.5MR |
| 3/8       | 1/2       | 2 3/4     | 1/2       | 2 | 0° | 2,5         | HM   | DT2.09.012.12.5MR |
| 3/8       | 7/8       | 3         | 3/8       | 2 | 0° | 3,0         | HM   | DT2.09.022.09.5MR |

## Diamond Router Bits Z2 for LED LIGHTS

### DT2 LED LIGHTS

**NEW**



**Z2**

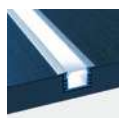
**RH**



#### Technical details:

- Two full positive and negative PCD tips
- Body made from stainless steel
- Can be resharpened:  
H2 – (max. 2 sharpening operations)

#### Application:



GROOVING  
LED

#### Materials:



RAW MDF



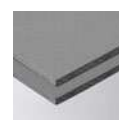
LAMINATED  
MDF



RAW  
CHIPBOARD



LAMINATED  
CHIPBOARD



FIBER  
CEMENT



GLASS FIBER/  
CARBON FIBER



CORIAN®  
/HPL



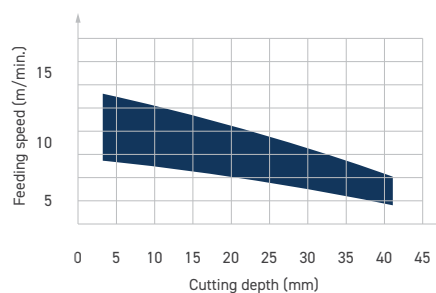
PLYWOOD



LAMINATED  
PLYWOOD



ALUMINUM



Results shown in this diagram are purely empirical, based merely on informative and could change depending of kind of work and type of material.

| D<br>mm | I<br>mm | L<br>mm | S<br>mm | Z | α         | PCD H<br>mm | BODY               | ARTICLE           |
|---------|---------|---------|---------|---|-----------|-------------|--------------------|-------------------|
| 14      | 12      | 60      | 8       | 2 | Pos.-Neg. | 2,0         | STAINLESS<br>STEEL | DT2.14.012.08.0SR |
| 15      | 12      | 60      | 8       | 2 | Pos.-Neg. | 2,0         | STAINLESS<br>STEEL | DT2.15.012.08.0SR |
| 16      | 12      | 63      | 8       | 2 | Pos.-Neg. | 2,0         | STAINLESS<br>STEEL | DT2.16.012.08.0SR |
| 17      | 12      | 60      | 8       | 2 | Pos.-Neg. | 2,0         | STAINLESS<br>STEEL | DT2.17.012.08.0SR |
| 18      | 12      | 63      | 8       | 2 | Pos.-Neg. | 2,0         | STAINLESS<br>STEEL | DT2.18.012.08.0SR |

## DTS positive-negative



**Z2+1**

**RH**



### Technical details:

- Two full positive and negative PCD blades
- Body made from tungsten carbide hardness of 93,8 HRA, DENSIMET® or stainless steel
- Can be resharpened:  
H3,5 – (3-5 sharpening operations)
- PCD plunge tip at the bottom to drill

### Application:



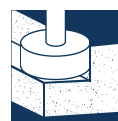
CUTTING



NESTING



JOINTING



RABBETING



GROOVING

### Materials:



RAW MDF



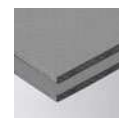
LAMINATED MDF



RAW CHIPBOARD



LAMINATED CHIPBOARD



FIBER CEMENT



GLASS FIBER/  
CARBON FIBER



HPL



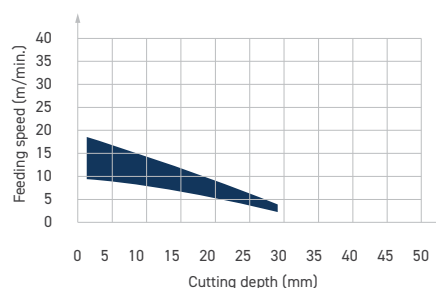
PLYWOOD



LAMINATED PLYWOOD



ALUMINUM



Results shown in this diagram are purely empirical, based merely on informative and could change depending of kind of work and type of material.

| D<br>mm | I<br>mm | L<br>mm | S<br>mm | Z   | α         | PCD H<br>mm | BODY      | ARTICLE           |
|---------|---------|---------|---------|-----|-----------|-------------|-----------|-------------------|
| 8       | 15      | 70      | 8       | 2+1 | Pos.-Neg. | 3,5         | HM        | DTS.08.015.08.OMR |
| 8       | 15      | 70      | 12      | 2+1 | Pos.-Neg. | 3,5         | DENSIMET® | DTS.08.015.12.0DR |
| 8       | 20      | 70      | 12      | 2+1 | Pos.-Neg. | 3,5         | DENSIMET® | DTS.08.020.12.0DR |

Table continued on the next page ►

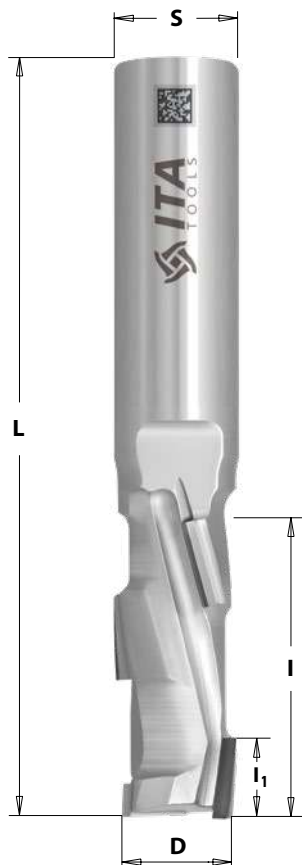


## Diamond Router Bits Z2+1

| D<br>mm | I<br>mm | L<br>mm | S<br>mm | Z   | α         | PCD H<br>mm | BODY            | ARTICLE           |
|---------|---------|---------|---------|-----|-----------|-------------|-----------------|-------------------|
| 10      | 15      | 70      | 10      | 2+1 | Pos.-Neg. | 3,5         | HM              | DTS.10.015.10.0MR |
| 10      | 15      | 70      | 12      | 2+1 | Pos.-Neg. | 3,5         | DENSIMET®       | DTS.10.015.12.0DR |
| 10      | 20      | 70      | 12      | 2+1 | Pos.-Neg. | 3,5         | DENSIMET®       | DTS.10.020.12.0DR |
| 12      | 15      | 70      | 12      | 2+1 | Pos.-Neg. | 3,5         | HM              | DTS.12.015.12.0MR |
| 12      | 15      | 70      | 12      | 2+1 | Pos.-Neg. | 3,5         | DENSIMET®       | DTS.12.015.12.0DR |
| 12      | 20      | 70      | 12      | 2+1 | Pos.-Neg. | 3,5         | HM              | DTS.12.020.12.0MR |
| 12      | 20      | 70      | 12      | 2+1 | Pos.-Neg. | 3,5         | DENSIMET®       | DTS.12.020.12.0DR |
| 12      | 25      | 70      | 12      | 2+1 | Pos.-Neg. | 3,5         | DENSIMET®       | DTS.12.025.12.0DR |
| 1/2"    | 1"      | 3"      | 1/2"    | 2+1 | Pos.-Neg. | 3,5         | HM              | DTS.12.025.12.5MR |
| 20      | 25      | 70      | 20      | 2+1 | Pos.-Neg. | 3,5         | STAINLESS STEEL | DTS.20.025.20.0SR |

## Diamond Router Bits Z1+1

### DTA



**Z1+1**

**RH**

**LH**

#### Technical details:

- One full PCD blade spread out on three helix wings
- Body made from stainless steel > 28 HRC or tungsten carbide hardness of 93,8 HRA
- Can be resharpened: H2,5 – (2-3 sharpening operations)
- HM or PCD plunge tip at the bottom to drill

#### Application:



CUTTING



JOINTING



RABBETING

#### Materials:



RAW MDF



LAMINATED  
MDF



RAW  
CHIPBOARD



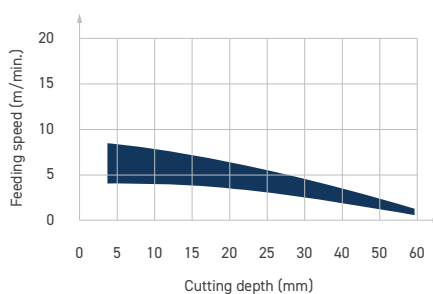
LAMINATED  
CHIPBOARD



PLYWOOD



LAMINATED  
PLYWOOD



Results shown in this diagram are purely empirical, based merely on informative and could change depending of kind of work and type of material.

#### TUNGSTEN CARBIDE body:

| D<br>mm | I<br>mm | L<br>mm | S<br>mm | TIPS         | PCD H<br>mm | ARTICLE<br>RH     | ARTICLE<br>LH |
|---------|---------|---------|---------|--------------|-------------|-------------------|---------------|
| 6       | 16      | 80      | 8       | 2 PCD + 1 HM | 2,5         | DTA.06.016.08.0MR | -             |
| 8       | 21      | 80      | 8       | 2 PCD + 1 HM | 2,5         | DTA.08.021.08.0MR | -             |
| 8       | 21      | 80      | 12      | 2 PCD + 1 HM | 2,5         | DTA.08.021.12.0MR | -             |

Table continued on the next page ►

## Diamond Router Bits Z1+1

| D<br>mm | I<br>mm | L<br>mm | S<br>mm | TIPS         | PCD H<br>mm | ARTICLE<br>RH     | ARTICLE<br>LH     |
|---------|---------|---------|---------|--------------|-------------|-------------------|-------------------|
| 8       | 27      | 80      | 8       | 3 PCD + 1 HM | 2,5         | DTA.08.027.08.0MR | DTA.08.027.08.0ML |
| 8       | 36      | 80      | 8       | 4 PCD + 1 HM | 2,5         | DTA.08.036.08.0MR | DTA.08.036.08.0ML |
| 10      | 27      | 80      | 10      | 3 PCD + 1 HM | 2,5         | DTA.10.027.10.0MR | -                 |
| 12      | 27      | 80      | 12      | 3 PCD + 1 HM | 2,5         | DTA.12.027.12.0MR | -                 |

### STAINLESS STEEL body:

| D<br>mm | I<br>mm | I <sub>1</sub><br>mm | L<br>mm | S<br>mm | TIPS         | PCD H<br>mm | ARTICLE<br>RH     | ARTICLE<br>LH     |
|---------|---------|----------------------|---------|---------|--------------|-------------|-------------------|-------------------|
| 8       | 21      | 8                    | 69      | 12      | 3 PCD + 1 HM | 1,5         | DTA.08.021.12.0SR | -                 |
| 10      | 15      | 9,5                  | 63      | 12      | 1 PCD + 1 HM | 2,5         | DTA.10.015.12.0SR | -                 |
| 10      | 21      | 8                    | 69      | 12      | 3 PCD + 1 HM | 2,5         | DTA.10.021.12.0SR | -                 |
| 10      | 25      | 9,5                  | 70      | 12      | 3 PCD + 1 HM | 2,5         | DTA.10.025.12.0SR | DTA.10.025.12.0SL |
| 10      | 35      | 9,5                  | 83      | 12      | 4 PCD + 1 HM | 2,5         | DTA.10.035.12.0SR | DTA.10.035.12.0SL |
| 12      | 21      | 8                    | 69      | 12      | 3 PCD + 1 HM | 2,5         | DTA.12.021.12.0SR | -                 |
| 12      | 25      | 9,5                  | 76      | 12      | 3 PCD + 1 HM | 2,5         | DTA.12.025.12.0SR | DTA.12.025.12.0SL |
| 12      | 35      | 9,5                  | 85      | 12      | 4 PCD + 1 HM | 2,5         | DTA.12.035.12.0SR | DTA.12.035.12.0SL |
| 12      | 45      | 10,5                 | 93      | 12      | 5 PCD + 1 HM | 2,5         | DTA.12.045.12.0SR | DTA.12.045.12.0SL |
| 16      | 25      | 9,5                  | 85      | 16      | 3 PCD + 1 HM | 2,5         | DTA.16.025.16.0SR | DTA.16.025.16.0SL |
| 16      | 35      | 10,5                 | 95      | 16      | 4 PCD + 1 HM | 2,5         | DTA.16.035.16.0SR | DTA.16.035.16.0SL |
| 16      | 45      | 10,5                 | 105     | 16      | 5 PCD + 1 HM | 2,5         | DTA.16.045.16.0SR | DTA.16.045.16.0SL |
| 16      | 55      | 10,5                 | 114     | 16      | 6 PCD + 1 HM | 2,5         | DTA.16.055.16.0SR | DTA.16.055.16.0SL |
| 18      | 25      | 9,5                  | 87      | 20      | 3 PCD + 1 HM | 2,5         | DTA.18.025.20.0SR | DTA.18.025.20.0SL |
| 18      | 35      | 10,5                 | 97      | 20      | 4 PCD + 1 HM | 2,5         | DTA.18.035.20.0SR | DTA.18.035.20.0SL |
| 18      | 45      | 10,5                 | 107     | 20      | 5 PCD + 1 HM | 2,5         | DTA.18.045.20.0SR | DTA.18.045.20.0SL |
| 18      | 45      | 10,5                 | 107     | 25      | 5 PCD + 1 HM | 2,5         | DTA.18.045.25.0SR | DTA.18.045.25.0SL |
| 20      | 25      | 9,5                  | 85      | 20      | 3 PCD + 1 HM | 2,5         | DTA.20.025.20.0SR | DTA.20.025.20.0SL |
| 20      | 35      | 10,5                 | 95      | 20      | 4 PCD + 1 HM | 2,5         | DTA.20.035.20.0SR | DTA.20.035.20.0SL |
| 20      | 45      | 10,5                 | 104     | 20      | 5 PCD + 1 HM | 2,5         | DTA.20.045.20.0SR | DTA.20.045.20.0SL |
| 20      | 55      | 10,5                 | 113     | 20      | 6 PCD + 1 HM | 2,5         | DTA.20.055.20.0SR | DTA.20.055.20.0SL |
| 20      | 65      | 10,5                 | 129     | 20      | 7 PCD + 1 HM | 2,5         | DTA.20.065.20.0SR | DTA.20.065.20.0SL |
| 20      | 72      | 10,5                 | 129     | 20      | 8 PCD + 1 HM | 2,5         | DTA.20.072.20.0SR | -                 |
| 20      | 80      | 10,5                 | 137     | 20      | 9 PCD + 1 HM | 2,5         | DTA.20.080.20.0SR | DTA.20.080.20.0SL |

All sizes available with shank 12, 16, 18, 20, 25.

## Diamond Router Bits Z1+1

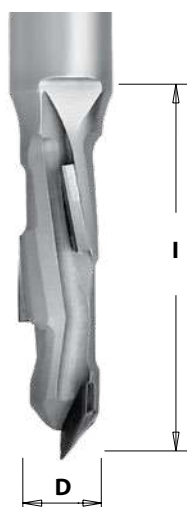
Sizes in inches:

| D<br>inch | I<br>inch | S<br>inch | TIPS         | PCD H<br>mm | ARTICLE<br>RH     |
|-----------|-----------|-----------|--------------|-------------|-------------------|
| 3/8       | 1 1/2     | 3/8       | 4 PCD + 1 HM | 2,5         | DTA.09.038.09.5SR |
| 1/2       | 1         | 1/2       | 3 PCD + 1 HM | 2,5         | DTA.12.025.12.5SR |
| 1/2       | 3 1/8     | 1/2       | 4 PCD + 1 HM | 2,5         | DTA.12.028.12.5SR |
| 1/2       | 1 3/8     | 1/2       | 4 PCD + 1 HM | 2,5         | DTA.12.035.12.5SR |
| 1/2       | 1 1/2     | 1/2       | 4 PCD + 1 HM | 2,5         | DTA.12.038.12.5SR |
| 1/2       | 1 3/4     | 1/2       | 5 PCD + 1 HM | 2,5         | DTA.12.045.12.5SR |
| 3/4       | 2         | 3/4       | 6 PCD + 1 HM | 2,5         | DTA.19.050.19.5SR |



BSR with bearing:

| D<br>mm | I<br>mm | L<br>mm | S<br>mm | TIPS  | PCD H<br>mm | ARTICLE<br>RH     |
|---------|---------|---------|---------|-------|-------------|-------------------|
| 12,7    | 27      | 81,5    | 8       | 3 PCD | 2,5         | DTA.12.027.08.BSR |
| 12,7    | 27      | 81,5    | 12      | 3 PCD | 2,5         | DTA.12.027.12.BSR |
| 12,7    | 36      | 91,5    | 12      | 4 PCD | 2,5         | DTA.12.036.12.BSR |
| 12,7    | 44      | 99,5    | 12      | 5 PCD | 2,5         | DTA.12.044.12.BSR |



VSR with steel body and PCD plunge tip angle 45°:

| D<br>mm | I<br>mm | L<br>mm | S<br>mm | TIPS    | PCD H<br>mm | ARTICLE<br>RH     |
|---------|---------|---------|---------|---------|-------------|-------------------|
| 10      | 27      | 80      | 12      | 3+1 PCD | 2,5         | DTA.10.027.12.VSR |
| 12      | 27      | 82      | 12      | 3+1 PCD | 2,5         | DTA.12.027.12.VSR |
| 12      | 36      | 91      | 12      | 4+1 PCD | 2,5         | DTA.12.036.12.VSR |
| 16      | 36      | 102     | 16      | 4+1 PCD | 2,5         | DTA.16.036.16.VSR |
| 16      | 45      | 111     | 16      | 5+1 PCD | 2,5         | DTA.16.045.16.VSR |

# Diamond Router Bits Z1+1 PRO

**DTB**  
**PRO**



**Z1+1**

**RH**



## Technical details:

- One full PCD blade spread out on three helix wings
- Body made from stainless steel > 28 HRC
- Can be resharpened: H2,5 – (2-3 sharpening operations)
- Advanced version of Z1+1 router bit
- More aggressive axial angles and better chip ejection
- HM plunge tip at the bottom to drill

## Application:



CUTTING



JOINTING



RABBETING

## Materials:



RAW MDF



LAMINATED  
MDF



RAW  
CHIPBOARD



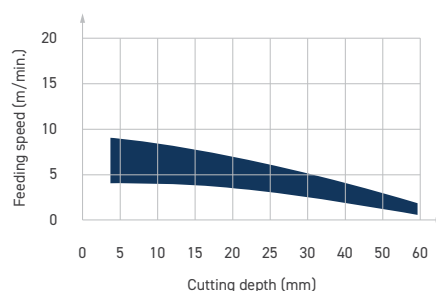
LAMINATED  
CHIPBOARD



PLYWOOD



LAMINATED  
PLYWOOD



Results shown in this diagram are purely empirical, based merely on informative and could change depending of kind of work and type of material.

| D<br>mm | I<br>mm | I <sub>1</sub><br>mm | L<br>mm | S<br>mm | TIPS         | PCD H<br>mm | ARTICLE<br>RH     |
|---------|---------|----------------------|---------|---------|--------------|-------------|-------------------|
| 12      | 25      | 7,5                  | 69      | 12      | 4 PCD + 1 HM | 2,5         | DTB.12.025.12.SSR |
| 12      | 35      | 8                    | 79      | 12      | 5 PCD + 1 HM | 2,5         | DTB.12.035.12.SSR |

Table continued on the next page ►



## Diamond Router Bits Z1+1 PRO

| D<br>mm | I<br>mm | I <sub>1</sub><br>mm | L<br>mm | S<br>mm | TIPS         | PCD H<br>mm | ARTICLE<br>RH      |
|---------|---------|----------------------|---------|---------|--------------|-------------|--------------------|
| 12      | 45      | 8,5                  | 93      | 12      | 6 PCD + 1 HM | 2,5         | DTB.12.045.12.SSR  |
| 12,7    | 25      | 8                    | 69      | 12,7    | 4 PCD + 1 HM | 2,5         | DTB.12.025.12.5SSR |
| 16      | 25      | 8                    | 85      | 16      | 4 PCD + 1 HM | 2,5         | DTB.16.025.16.SSR  |
| 16      | 35      | 8                    | 95      | 16      | 5 PCD + 1 HM | 2,5         | DTB.16.035.16.SSR  |
| 16      | 45      | 8                    | 105     | 16      | 6 PCD + 1 HM | 2,5         | DTB.16.045.16.SSR  |
| 16      | 55      | 8                    | 114     | 16      | 7 PCD + 1 HM | 2,5         | DTB.16.055.16.SSR  |
| 20      | 25      | 8                    | 85      | 20      | 4 PCD + 1 HM | 2,5         | DTB.20.025.20.SSR  |
| 20      | 35      | 8                    | 95      | 20      | 5 PCD + 1 HM | 2,5         | DTB.20.035.20.SSR  |
| 20      | 45      | 8                    | 104     | 20      | 6 PCD + 1 HM | 2,5         | DTB.20.045.20.SSR  |
| 20      | 55      | 8                    | 113     | 20      | 7 PCD + 1 HM | 2,5         | DTB.20.055.20.SSR  |

PCD &amp; HM TOOLS

SOLID CARBIDE  
ROUTER BITS

PCD & VHM TOOLS FOR  
COMPOSITES

CHUCKS  
& ACCESSORIES

TOOLS FOR EDGEBANDING  
MACHINES

CIRCULAR SAW BLADES

DRILL BITS

STRAIGHT  
& SYSTEM KNIVES

STARTER KITS



## DTN



**Z2+2**

**RH**

**LH**



### Technical details:

- Two full PCD blades spread out on four helix wings
- Body made from stainless steel > 28 HRC
- Can be resharpened:  
H2,5 – (2-3 sharpening operations)
- HM plunge tip at the bottom to drill

### Application:



CUTTING



NESTING



JOINTING



RABBETING

### Materials:



RAW MDF



LAMINATED  
MDF



RAW  
CHIPBOARD



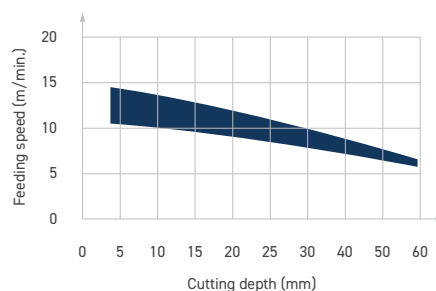
LAMINATED  
CHIPBOARD



PLYWOOD



LAMINATED  
PLYWOOD



Results shown in this diagram are purely empirical, based merely on informative and could change depending of kind of work and type of material.

| D<br>mm | I<br>mm | I <sub>1</sub><br>mm | L<br>mm | S<br>mm | TIPS         | PCD H<br>mm | ARTICLE<br>RH     | ARTICLE<br>LH     |
|---------|---------|----------------------|---------|---------|--------------|-------------|-------------------|-------------------|
| 12      | 25      | 9,5                  | 78      | 12      | 6 PCD + 1 HM | 2,5         | DTN.12.025.12.0SR | DTN.12.025.12.0SL |
| 12      | 25      | 9,5                  | 87      | 16      | 6 PCD + 1 HM | 2,5         | DTN.12.025.16.0SR | DTN.12.025.16.0SL |
| 12      | 25      | 9,5                  | 89      | 20      | 6 PCD + 1 HM | 2,5         | DTN.12.025.20.0SR | DTN.12.025.20.0SL |
| 12      | 35      | 9,5                  | 97      | 12      | 8 PCD + 1 HM | 2,5         | DTN.12.035.12.0SR | DTN.12.035.12.0SL |

Table continued on the next page ►

| D<br>mm | I<br>mm | I <sub>1</sub><br>mm | L<br>mm | S<br>mm | TIPS          | PCD H<br>mm | ARTICLE<br>RH     | ARTICLE<br>LH     |
|---------|---------|----------------------|---------|---------|---------------|-------------|-------------------|-------------------|
| 12      | 35      | 9,5                  | 94      | 12      | 8 DIA + 1 HM  | 2,5         | DTN.12.035.12.0DR | DTN.12.035.12.0DL |
| 12      | 35      | 9,5                  | 99      | 20      | 8 PCD + 1 HM  | 2,5         | DTN.12.035.20.0SR | DTN.12.035.20.0SL |
| 16      | 25      | 9,5                  | 87      | 16      | 6 PCD + 1 HM  | 2,5         | DTN.16.025.16.0SR | DTN.16.025.16.0SL |
| 16      | 25      | 9,5                  | 87      | 20      | 6 PCD + 1 HM  | 2,5         | DTN.16.025.20.0SR | DTN.16.025.20.0SL |
| 16      | 35      | 10,5                 | 96      | 16      | 8 PCD + 1 HM  | 2,5         | DTN.16.035.16.0SR | DTN.16.035.16.0SL |
| 16      | 35      | 10,5                 | 97      | 20      | 8 PCD + 1 HM  | 2,5         | DTN.16.035.20.0SR | DTN.16.035.20.0SL |
| 16      | 45      | 10,5                 | 104     | 16      | 10 PCD + 1 HM | 2,5         | DTN.16.045.16.0SR | DTN.16.045.16.0SL |
| 16      | 45      | 10,5                 | 104     | 20      | 10 PCD + 1 HM | 2,5         | DTN.16.045.20.0SR | DTN.16.045.20.0SL |
| 16      | 55      | 10,5                 | 114     | 16      | 12 PCD + 1 HM | 2,5         | DTN.16.055.16.0SR | DTN.16.055.16.0SL |
| 18      | 25      | 9                    | 84      | 20      | 6 PCD + 1 HM  | 2,5         | DTN.18.025.20.0SR | DTN.18.025.20.0SL |
| 18      | 35      | 10                   | 97      | 20      | 8 PCD + 1 HM  | 2,5         | DTN.18.035.20.0SR | DTN.18.035.20.0SL |
| 18      | 45      | 10                   | 104     | 20      | 10 PCD + 1 HM | 2,5         | DTN.18.045.20.0SR | -                 |
| 20      | 25      | 10                   | 85      | 20      | 6 PCD + 1 HM  | 2,5         | DTN.20.025.20.0SR | DTN.20.025.20.0SL |
| 20      | 35      | 10                   | 97      | 20      | 8 PCD + 1 HM  | 2,5         | DTN.20.035.20.0SR | DTN.20.035.20.0SL |
| 20      | 45      | 10                   | 104     | 20      | 10 PCD + 1 HM | 2,5         | DTN.20.045.20.0SR | DTN.20.045.20.0SL |
| 20      | 55      | 10                   | 113     | 20      | 12 PCD + 1 HM | 2,5         | DTN.20.055.20.0SR | DTN.20.055.20.0SL |
| 20      | 65      | 10                   | 129     | 20      | 14 PCD + 1 HM | 2,5         | DTN.20.065.20.0SR | -                 |
| 25      | 25      | 9                    | 90      | 25      | 6 PCD + 1 HM  | 2,5         | DTN.25.025.25.0SR | DTN.25.025.25.0SL |

#### Sizes in inches:

| D<br>inch | I<br>inch | L<br>inch/mm | S<br>inch/mm | Z           | PCD H<br>mm | ARTICLE<br>RH      |
|-----------|-----------|--------------|--------------|-------------|-------------|--------------------|
| 3/8       | 25        | 74           | 3/8          | (6+1) PCD   | 2,5         | DTN.09.025.09.5DR* |
| 1/2       | 1         | 78           | 1/2          | 6PCD + 1HM  | 2,5         | DTN.12.025.12.5SR  |
| 1/2       | 30        | 80           | 1/2          | 8PCD + 1HM  | 2,5         | DTN.12.030.12.5SR  |
| 1/2       | 35        | 91           | 1/2          | 8PCD + 1HM  | 2,5         | DTN.12.035.12.5SR  |
| 1/2       | 1 1/8     | 8,5          | 1/2          | 7PCD + 1HM  | 2,5         | DTN.12.030.12.5SR  |
| 5/8       | 1 1/8     | 9            | 5/8          | 7PCD + 1HM  | 2,5         | DTN.15.030.19.5SR  |
| 3/4       | 35        | 95           | 3/4          | 10PCD + 1HM | 2,5         | DTN.19.035.19.5SR  |
| 3/4       | 44        | 110          | 3/4          | 14PCD + 1HM | 2,5         | DTN.19.044.19.5SR  |
| 3/4       | 45        | 110          | 3/4          | 12PCD + 1HM | 2,5         | DTN.19.045.19.5SR  |
| 3/4       | 2         | 7,5          | 3/4          | 16PCD + 1HM | 2,5         | DTN.19.050.19.5SR  |

\* DENSIMET® body

# Diamond Router Bits Z2+2 PRO

DTL  
PRO



Z2+2

RH



## Technical details:

- Two full PCD blades spread out on four helix wings
- Body made from stainless steel > 28 HRC
- Can be resharpened: H2,5 – (2-3 sharpening operations)
- Advanced version of Z2+2 router bit
- More aggressive axial angles and better chip ejection
- PCD plunge at the bottom to drill

## Application:



CUTTING



NESTING



JOINTING



RABBETING

## Materials:



RAW MDF



LAMINATED  
MDF



RAW  
CHIPBOARD



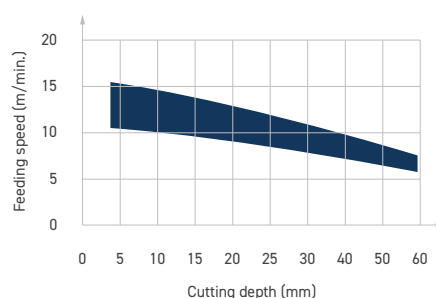
LAMINATED  
CHIPBOARD



PLYWOOD



LAMINATED  
PLYWOOD



Results shown in this diagram are purely empirical, based merely on informative and could change depending of kind of work and type of material.

| D<br>mm | I<br>mm | I <sub>1</sub><br>mm | L<br>mm | S<br>mm | TIPS    | PCD H<br>mm | ARTICLE<br>RH     |
|---------|---------|----------------------|---------|---------|---------|-------------|-------------------|
| 12      | 25      | 10,5                 | 70      | 12      | 6+1 PCD | 2,5         | DTL.12.025.12.OSR |
| 12      | 28      | 10,5                 | 80      | 12      | 6+1 PCD | 2,5         | DTL.12.028.12.OSR |
| 12      | 35      | 10,5                 | 90      | 12      | 8+1 PCD | 2,5         | DTL.12.035.12.OSR |

Table continued on the next page ►

## Diamond Router Bits Z2+2 PRO

| D<br>mm | I<br>mm | I <sub>1</sub><br>mm | L<br>mm | S<br>mm | TIPS     | PCD H<br>mm | ARTICLE<br>RH     |
|---------|---------|----------------------|---------|---------|----------|-------------|-------------------|
| 12      | 43      | 10,5                 | 105     | 12      | 10+1 PCD | 2,5         | DTL.12.043.12.0SR |
| 12,7    | 25      | 10                   | 76      | 12,7    | 6+1 PCD  | 2,5         | DTL.12.025.12.5SR |
| 12,7    | 35      | 10                   | 94      | 12,7    | 8+1 PCD  | 2,5         | DTL.12.035.12.5SR |
| 16      | 25      | 10                   | 70      | 16      | 6+1 PCD  | 2,5         | DTL.16.025.16.0SR |
| 16      | 28      | 10                   | 80      | 16      | 6+1 PCD  | 2,5         | DTL.16.028.16.0SR |
| 16      | 35      | 10                   | 90      | 16      | 8+1 PCD  | 2,5         | DTL.16.035.16.0SR |
| 16      | 43      | 10                   | 105     | 16      | 10+1 PCD | 2,5         | DTL.16.043.16.0SR |
| 18      | 25      | 10                   | 85      | 20      | 6+1 PCD  | 2,5         | DTL.18.025.20.0SR |
| 18      | 35      | 10                   | 90      | 20      | 8+1 PCD  | 2,5         | DTL.18.035.20.0SR |
| 18      | 43      | 10                   | 105     | 20      | 10+1 PCD | 2,5         | DTL.18.043.20.0SR |
| 18      | 52      | 10                   | 115     | 20      | 12+1 PCD | 2,5         | DTL.18.052.20.0SR |
| 20      | 25      | 10                   | 85      | 20      | 6+1 PCD  | 2,5         | DTL.20.025.20.0SR |
| 20      | 28      | 10                   | 80      | 20      | 6+1 PCD  | 2,5         | DTL.20.028.20.0SR |
| 20      | 35      | 10                   | 90      | 20      | 8+1 PCD  | 2,5         | DTL.20.035.20.0SR |
| 20      | 43      | 10                   | 105     | 20      | 10+1 PCD | 2,5         | DTL.20.043.20.0SR |
| 20      | 52      | 10                   | 115     | 20      | 12+1 PCD | 2,5         | DTL.20.052.20.0SR |

PCD &amp; HM TOOLS

SOLID CARBIDE  
ROUTER BITS

PCD & VHM TOOLS FOR  
COMPOSITES

CHUCKS  
& ACCESSORIES

TOOLS FOR EDGEBANDING  
MACHINES

CIRCULAR SAW BLADES

DRILL BITS

STRAIGHT  
& SYSTEM KNIVES

STARTER KITS

## Diamond Router Bits Z3+1 – TURBO

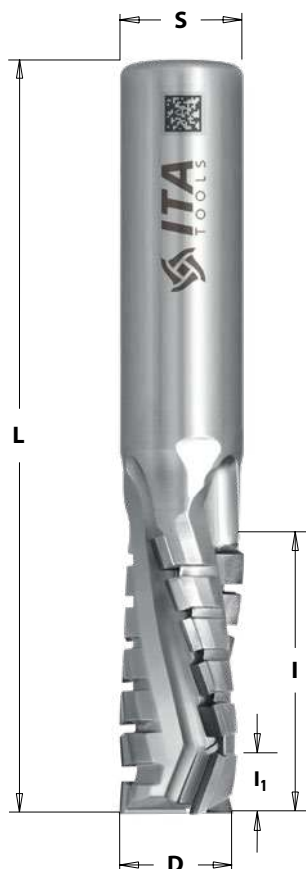
**DTE**  
**TURBO**



**Z3+1**

**RH**

**LH**



### Technical details:

- Three full PCD blades spread out on three helix wings
- Body from special stainless steel
- Can be resharpened:
  - H4 – (4-5 sharpening operations);
  - H4,5 – (5-6 sharpening operations)
- PCD plunge tip at the bottom to drill

### Application:



CUTTING



JOINTING

### Materials:



RAW MDF



LAMINATED MDF



RAW  
CHIPBOARD



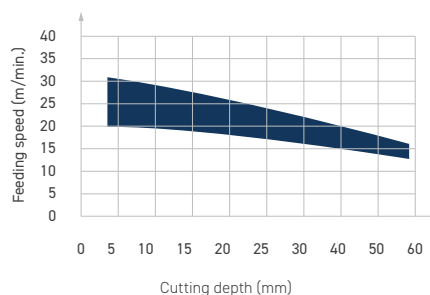
LAMINATED  
CHIPBOARD



PLYWOOD



LAMINATED  
PLYWOOD



Results shown in this diagram are purely empirical, based merely on informative and could change depending of kind of work and type of material.

### STAINLESS STEEL body:

| D<br>mm | I<br>mm | I <sub>1</sub><br>mm | L<br>mm | S<br>mm | TIPS     | PCD H<br>mm | ARTICLE<br>RH     | ARTICLE<br>LH     |
|---------|---------|----------------------|---------|---------|----------|-------------|-------------------|-------------------|
| 18      | 35      | 7                    | 97      | 20      | 19+1 PCD | 4,5         | DTE.18.035.20.0SR | -                 |
| 18      | 45      | 7                    | 107     | 20      | 25+1 PCD | 4,5         | DTE.18.045.20.0SR | -                 |
| 20      | 25      | 7                    | 86      | 20      | 14+1 PCD | 4,5         | DTE.20.025.20.0SR | DTE.20.025.20.0SL |

Table continued on the next page ►

## Diamond Router Bits Z3+1 – TURBO

| D<br>mm | I<br>mm | I <sub>1</sub><br>mm | L<br>mm | S<br>mm | TIPS     | PCD H<br>mm | ARTICLE<br>RH     | ARTICLE<br>LH     |
|---------|---------|----------------------|---------|---------|----------|-------------|-------------------|-------------------|
| 20      | 35      | 7                    | 96      | 20      | 19+1 PCD | 4,5         | DTE.20.035.20.0SR | DTE.20.035.20.0SL |
| 20      | 40      | 7                    | 101     | 20      | 22+1 PCD | 4,5         | DTE.20.040.20.0SR | DTE.20.040.20.0SL |
| 20      | 45      | 7                    | 111     | 20      | 26+1 PCD | 4,5         | DTE.20.045.20.0SR | DTE.20.045.20.0SL |
| 20      | 50      | 7                    | 110     | 20      | 28+1 PCD | 4,5         | DTE.20.050.20.0SR | DTE.20.050.20.0SL |
| 20      | 55      | 7                    | 116     | 20      | 31+1 PCD | 4,5         | DTE.20.055.20.0SR | -                 |
| 20      | 65      | 7                    | 130     | 20      | 38+1 PCD | 4,5         | DTE.20.065.20.0SR | DTE.20.065.20.0SL |
| 25      | 25      | 7                    | 88      | 20      | 14+1 PCD | 4,5         | DTE.25.025.20.0SR | DTE.25.025.20.0SL |
| 25      | 35      | 7                    | 96      | 25      | 20+1 PCD | 4,5         | DTE.25.035.25.0SR | DTE.25.035.25.0SL |
| 25      | 45      | 7                    | 111     | 20      | 26+1 PCD | 4,5         | DTE.25.045.20.0SR | DTE.25.045.20.0SL |
| 25      | 45      | 7                    | 111     | 25      | 26+1 PCD | 4,5         | DTE.25.045.25.0SR | DTE.25.045.25.0SL |
| 25      | 65      | 7                    | 130     | 25      | 38+1 PCD | 4,5         | DTE.25.065.25.0SR | -                 |

### Sizes in inches:

| D<br>inch | I<br>inch | I <sub>1</sub><br>mm | S<br>inch | TIPS     | PCD H<br>mm | ARTICLE<br>RH     |
|-----------|-----------|----------------------|-----------|----------|-------------|-------------------|
| 5/8"      | 1 1/8"    | 7                    | 3/4"      | 11+1 PCD | 4,0         | DTE.16.027.19.5SR |
| 3/4"      | 1 5/8"    | 7                    | 3/4"      | 22+1 PCD | 4,5         | DTE.19.040.19.5SR |
| 3/4"      | 2"        | 6,5                  | 3/4"      | 18+1 PCD | 4,0         | DTE.19.049.19.5SR |

## Diamond Router Bits Z3+1 – TURBO for Nesting

### DTE TURBO NESTING



**Z3+1**

**RH**

**LH**



#### Technical details:

- Three full PCD blades spread out on three helix wings
- Body made from special stainless steel
- Can be resharpened:
  - H3 – (3-4 sharpening operations),
  - H3,5 – (3-5 sharpening operations)
- PCD plunge tip at the bottom to drill

#### Application:



CUTTING



NESTING



JOINTING

#### Materials:



RAW MDF



LAMINATED  
MDF



RAW  
CHIPBOARD



LAMINATED  
CHIPBOARD



PLYWOOD



LAMINATED  
PLYWOOD

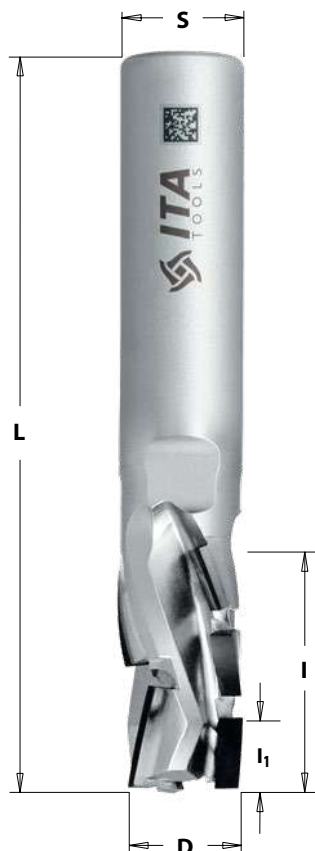


#### STAINLESS STEEL body:

| D<br>mm | I<br>mm | I <sub>1</sub><br>mm | L<br>mm | S<br>mm | TIPS     | PCD H<br>mm | ARTICLE<br>RH     |
|---------|---------|----------------------|---------|---------|----------|-------------|-------------------|
| 16      | 20      | 9,5                  | 81      | 20      | 7+1 PCD  | 3,5         | DTE.16.020.20.NSR |
| 16      | 25      | 9,5                  | 85      | 16      | 8+1 PCD  | 3,0         | DTE.16.025.16.NSR |
| 16      | 35      | 9,5                  | 96      | 16      | 11+1 PCD | 3,0         | DTE.16.035.16.NSR |



## DTE



**Z3+1**

**RH**



### Technical details:

- Three full PCD blades spread out on three helix wings
- Body made from DENSIMET®
- Can be resharpened: H2,5 – (2-3 sharpening operations)
- Negative or positive construction
- PCD plunge tip at the bottom to drill

### Application:



CUTTING



NESTING



JOINTING

### Materials:



RAW MDF



LAMINATED  
MDF



RAW  
CHIPBOARD



LAMINATED  
CHIPBOARD



PLYWOOD



LAMINATED  
PLYWOOD



### DENSIMET® body:

| D<br>mm | I<br>mm | I <sub>1</sub><br>mm | L<br>mm | S<br>mm | TIPS     | PCD H<br>mm | α        | ARTICLE<br>RH     |
|---------|---------|----------------------|---------|---------|----------|-------------|----------|-------------------|
| 10      | 22      | 10                   | 70      | 12      | 8+1 PCD  | 2,5         | Negative | DTE.10.022.12.0DR |
| 12      | 20      | 10                   | 68      | 12      | 7+1 PCD  | 2,5         | Negative | DTE.12.020.12.0DR |
| 12      | 22      | 10                   | 70      | 12      | 7+1 PCD  | 2,5         | Negative | DTE.12.022.12.0DR |
| 12      | 22      | 10                   | 70      | 12      | 7+1 PCD  | 2,5         | Positive | DTE.12.022.12.2DR |
| 12      | 25      | 10,5                 | 75      | 12      | 9+1 PCD  | 2,5         | Negative | DTE.12.025.12.1DR |
| 12      | 27      | 10                   | 75      | 12      | 9+1 PCD  | 2,5         | Negative | DTE.12.027.12.0DR |
| 12      | 35      | 10                   | 83      | 12      | 11+1 PCD | 2,5         | Negative | DTE.12.035.12.0DR |
| 12,7    | 28      | 10                   | 76      | 12,7    | 11+1 PCD | 2,5         | Negative | DTE.12.028.12.5DR |
| 12,7    | 28      | 10                   | 76      | 12,7    | 11+1 PCD | 2,5         | Negative | DTE.12.028.12.5DR |

## Diamond Router Bits Z2+2 for Nesting

### DTF

negative / positive



**Z2+2**

**RH**



#### Technical details:

- Two full PCD blades spread out on four helix wings
- Body made from DENSIMET®
- Can be resharpened: H2,5 – (2-3 sharpening operations)
- Negative or positive construction
- PCD plunge tip at the bottom to drill

#### Application:



CUTTING



NESTING



JOINING

#### Materials:



RAW MDF



LAMINATED MDF



RAW CHIPBOARD



LAMINATED CHIPBOARD



PLYWOOD



LAMINATED PLYWOOD



#### Negative Z2+2

| D<br>mm | I<br>mm | I <sub>1</sub><br>mm | L<br>mm | S<br>mm | Z   | TIPS     | PCD H<br>mm | MATERIAL H<br>mm | ARTICLE<br>RH      |
|---------|---------|----------------------|---------|---------|-----|----------|-------------|------------------|--------------------|
| 12      | 19      | 7                    | 64      | 12      | 2+2 | 5+1 PCD  | 2,5         | 10-18            | DTF.12.019.12.0DRN |
| 12      | 21      | 7                    | 70      | 12      | 2+2 | 7+1 PCD  | 2,5         | 11-20            | DTF.12.021.12.0DRN |
| 12      | 24      | 7                    | 69      | 12      | 2+2 | 7+1 PCD  | 2,5         | 10-22            | DTF.12.024.12.0DRN |
| 16      | 25      | 7,5                  | 84      | 16      | 2+2 | 7+1 PCD  | 3           | 10-22            | DTF.16.025.16.0DRN |
| 16      | 35      | 7                    | 94      | 16      | 2+2 | 17+1 PCD | 2,5         | 10-33            | DTF.16.035.16.0DRN |

#### Positive Z2+2

| D<br>mm | I<br>mm | I <sub>1</sub><br>mm | L<br>mm | S<br>mm | Z   | TIPS    | PCD H<br>mm | MATERIAL H<br>mm | ARTICLE<br>RH      |
|---------|---------|----------------------|---------|---------|-----|---------|-------------|------------------|--------------------|
| 12      | 19      | 7                    | 64      | 12      | 2+2 | 5+1 PCD | 2,5         | 16-18            | DTF.12.019.12.0DRP |
| 12      | 21      | 7                    | 70      | 12      | 2+2 | 7+1 PCD | 2,5         | 18-20            | DTF.12.021.12.0DRP |
| 12      | 24      | 7                    | 69      | 12      | 2+2 | 7+1 PCD | 2,5         | 19-22            | DTF.12.024.12.0DRP |

arrangement of tips



arrangement of tips



## Diamond Router Bits Z3+3 for Nesting

DTM



Z3+3

RH



### Technical details:

- Three full PCD blades spread out on six helix wings
- Body made from DENSIMET®
- Can be resharpened: H2,5 – (2-3 sharpening operations)
- Negative or positive construction
- PCD plunge tip at the bottom to drill

### Application:



CUTTING



NESTING



JOINTING

### Materials:



LAMINATED  
MDF



RAW  
CHIPBOARD



LAMINATED  
CHIPBOARD



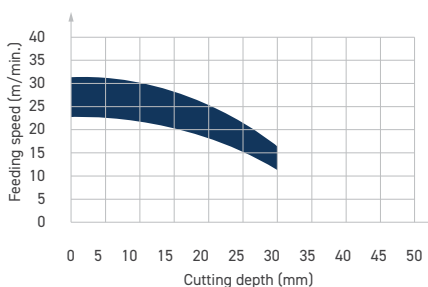
PLYWOOD



LAMINATED  
PLYWOOD



RAW MDF



Results shown in this diagram are purely empirical, based merely on informative and could change depending of kind of work and type of material.

## Diamond Router Bits Z3+3 for Nesting

### Negative Z3+3

| D<br>mm | I<br>mm | I <sub>1</sub><br>mm | L<br>mm | S<br>mm | Z   | TIPS     | PCD H<br>mm | MATERIAL H<br>mm | ARTICLE<br>RH       |
|---------|---------|----------------------|---------|---------|-----|----------|-------------|------------------|---------------------|
| 12      | 19      | 8                    | 64      | 12      | 3+3 | 8+1 PCD  | 2,5         | 10-19            | DTM.12.019.12.1DRN  |
| 12      | 21      | 7                    | 66      | 12      | 3+3 | 8+1 PCD  | 2,5         | 10-20            | DTM.12.021.12.1DRN  |
| 12      | 24      | 8                    | 69      | 12      | 3+3 | 11+1 PCD | 2,5         | 10-22            | DTM.12.024.12.1DRN  |
| 12      | 25      | 8                    | 75      | 12      | 3+3 | 11+1 PCD | 2,5         | 10-22            | DTM.12.025.12.1DRN* |
| 16      | 25      | 7                    | 84      | 16      | 3+3 | 11+1 PCD | 2,5         | 10-22            | DTM.16.025.16.1DRN  |
| 16      | 35      | 7                    | 94      | 16      | 3+3 | 17+1 PCD | 2,5         | 10-33            | DTM.16.035.16.1DRN  |
| 12,7    | 25,4    | 7                    | 70      | 12,7    | 3+3 | 12+1 PCD | 2,5         | 10-33            | DTM.12.025.12.5DRN  |

NEW

Cutter adapted to work with additional dust extraction unit – check sheet 142

### Positive Z3+3

| D<br>mm | I<br>mm | I <sub>1</sub><br>mm | L<br>mm | S<br>mm | Z   | TIPS     | PCD H<br>mm | MATERIAL H<br>mm | ARTICLE<br>RH      |
|---------|---------|----------------------|---------|---------|-----|----------|-------------|------------------|--------------------|
| 12      | 19      | 8                    | 64      | 12      | 3+3 | 8+1 PCD  | 2,5         | 16-18            | DTM.12.019.12.1DRP |
| 12      | 21      | 7                    | 66      | 12      | 3+3 | 8+1 PCD  | 2,5         | 18-20            | DTM.12.021.12.1DRP |
| 12      | 24      | 8                    | 69      | 12      | 3+3 | 11+1 PCD | 2,5         | 19-22            | DTM.12.024.12.1DRP |
| 16      | 25      | 7                    | 84      | 16      | 3+3 | 11+1 PCD | 2,5         | 19-22            | DTM.16.025.16.1DRP |
| 16      | 35      | 7                    | 94      | 16      | 3+3 | 17+1 PCD | 2,5         | 30-33            | DTM.16.035.16.1DRP |

arrangement of tips



arrangement of tips



DTC



Z2+2

Z3+3

RH



Technical details:

- Z2+2 – 2 full PCD blades spread out on four helix wings
- Z3+3 – 3 full PCD blades spread out on six helix wings
- Body made from special stainless steel > 28 HRC
- Can be resharpened: H4,5 (5-6 sharpening operations)
- Axial angle 35°

Application:



CUTTING



JOINTING

Materials:



RAW MDF



LAMINATED  
MDF



RAW  
CHIPBOARD



LAMINATED  
CHIPBOARD



PLYWOOD



LAMINATED  
PLYWOOD



| D<br>mm | I<br>mm | L<br>mm | S<br>mm | Z   | TIPS     | PCD H<br>mm | ARTICLE<br>RH     |
|---------|---------|---------|---------|-----|----------|-------------|-------------------|
| 20      | 28      | 93      | 20x50   | 2+2 | 8+1 PCD  | 4,5         | DTC.20.028.20.1SR |
| 20      | 28      | 93      | 20x50   | 3+3 | 12+1 PCD | 4,5         | DTC.20.028.20.2SR |
| 20      | 35      | 100     | 20x50   | 2+2 | 10+1 PCD | 4,5         | DTC.20.035.20.1SR |
| 20      | 35      | 100     | 20x50   | 3+3 | 15+1 PCD | 4,5         | DTC.20.035.20.2SR |

## DTJ



### Technical details:

- Variety of tips configuration
- Body made from special stainless steel > 28 HRC
- Can be resharpened: H6 (5-6 sharpening operations)
- PCD tip at the bottom to drill
- Fast feed rate and quiet work
- Axial angle 45°

### Application:



JOINTING

### Materials:



RAW MDF



LAMINATED  
MDF



RAW  
CHIPBOARD



LAMINATED  
CHIPBOARD



PLYWOOD



LAMINATED  
PLYWOOD



| D<br>mm | I<br>mm | L<br>mm | S<br>mm | Z     | TIPS | RH/LH | ARTICLE            |
|---------|---------|---------|---------|-------|------|-------|--------------------|
| 50      | 48      | 107     | 25      | 4+2+4 | 24   | RH    | DTJ.50.048.25.1SR6 |
| 50      | 48      | 107     | 25      | 4+2+4 | 24   | LH    | DTJ.50.048.25.1SL6 |

FDI | FDT



## Technical details:

- Two full PCD blades
- Body made from stainless steel > 28 HRC
- Can be resharpened:
  - H3 - (3-4 sharpening operations),
  - H4 - (3-5 sharpening operations)

## Application:



NESTING



CUTTING

## Materials:



RAW MDF



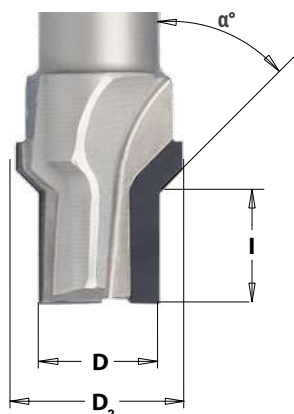
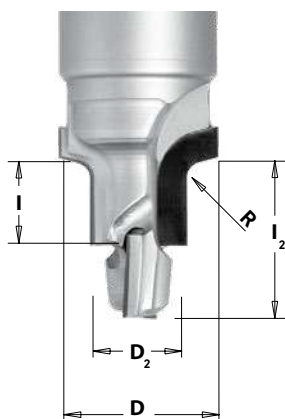
LAMINATED MDF



RAW CHIPBOARD



LAMINATED CHIPBOARD



## FDI Z2:

| D<br>mm | D <sub>2</sub><br>mm | I<br>mm | L<br>mm | S<br>mm | Z   | R<br>mm | PCD H<br>mm | ARTICLE<br>RH     |
|---------|----------------------|---------|---------|---------|-----|---------|-------------|-------------------|
| 18      | 8                    | 18,7    | 105     | 20x70   | 2   | 3       | 2,5         | FDI.18.018.20.0SR |
| 18      | 8                    | 18,4    | 75      | 20x50   | 2   | 1       | 2,5         | FDI.18.018.20.SR1 |
| 18      | 8                    | 18,6    | 75      | 20x50   | 2   | 2       | 2,5         | FDI.18.018.20.SR2 |
| 18      | 8                    | 18,7    | 75      | 20x50   | 2   | 3       | 2,5         | FDI.18.018.20.SR3 |
| 23      | 12                   | 18,30   | 80      | 20x50   | 2+1 | 3       | 3,0         | FDI.23.018.20.0SR |
| 23      | 12                   | 18      | 79      | 20x50   | 2+1 | 3       | 3,0         | FDI.23.018.20.0SR |
| 26      | 16                   | 16      | 75      | 20x50   | 2   | 3       | 4,0         | FDI.26.016.20.0SR |
| 26      | 1                    | 24      | 84      | 20x50   | 2   | 3       | 4,0         | FDI.28.024.20.0SR |
| 30      | 16                   | 18      | 83      | 16x50   | 2   | 5       | 4,0         | FDI.30.018.16.0SR |

## FDI Z2+2:

| D<br>mm | D <sub>2</sub><br>mm | I<br>mm | L<br>mm | S<br>mm | Z   | R<br>mm | PCD H<br>mm | ARTICLE<br>RH     |
|---------|----------------------|---------|---------|---------|-----|---------|-------------|-------------------|
| 20      | 12                   | 20      | 79      | 20x50   | 2+2 | 2       | 4,0         | FDI.20.019.20.0SR |
| 22      | 12                   | 19      | 79      | 20x50   | 2+2 | 3       | 4,0         | FDI.22.019.20.0SR |

## FDT Z2:

| D<br>mm | D <sub>2</sub><br>mm | I<br>mm | L<br>mm | S<br>mm | Z | α   | PCD H<br>mm | ARTICLE<br>RH     |
|---------|----------------------|---------|---------|---------|---|-----|-------------|-------------------|
| 12      | 6                    | 7       | 80      | 12x50   | 2 | 45° | 3,5         | FDT.22.017.16.0SR |
| 22      | 16                   | 17      | 80      | 16x50   | 2 | 45° | 4,0         | FDT.22.017.16.0SR |



# Diamond Profile Router Bits for Planning

FDP



Z2+2

Z3

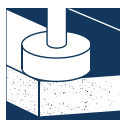
Z3+1



## Technical details:

- Full double/triple PCD tips
- Body made from stainless steel > 28 HRC
- Approval class of shank H6
- The shank surface roughness Ra ≤ 0,3 µm
- Can be resharpened:
  - H4 – (4-5 sharpening operations),
  - H6 – (5-6 sharpening operations)

## Application:



PLANING

## Materials:



RAW MDF



LAMINATED  
MDF



RAW  
CHIPBOARD



LAMINATED  
CHIPBOARD



| D<br>mm | I<br>mm | L<br>mm | S<br>mm | Z   | PCD H<br>mm | α    | ARTICLE<br>RH     |
|---------|---------|---------|---------|-----|-------------|------|-------------------|
| 20      | 15      | 80      | 20x50   | 3+1 | 4,0         | Neg. | FDP.20.015.20.1SR |
| 30      | 14      | 75      | 20x50   | 2+2 | 4,0         | Neg. | FDP.30.014.20.0SR |
| 40      | 14      | 75      | 20x50   | 2+2 | 4,0         | Neg. | FDP.40.014.20.0SR |
| 50      | 14      | 75      | 20x50   | 2+2 | 4,0         | Pos. | FDP.50.014.20.1SR |
| 60      | 14      | 75      | 20x50   | 2+2 | 4,0         | Neg. | FDP.60.014.20.0SR |
| 80      | 8       | 70      | 20x50   | 3   | 6           | Pos. | FDP.80.008.20.1SR |
| 80      | 8       | 70      | 20x50   | 3   | 6           | Neg. | FDP.80.008.20.0SR |

| D     | Feeding<br>speed/RPM | H         |
|-------|----------------------|-----------|
| 20-40 | 6-12 m/18 000        | max. 6 mm |
| 50-60 | 6-12 m/16 000        | max. 4 mm |
| 80    | 6-12 m/14 000        | max. 2 mm |



## FDH



Z1

Z2

Z2+2+1



### Technical details:

- Full double PCD tips
- Body made from stainless steel > 28 HRC
- Approval class of shank H6
- The shank surface roughness Ra ≤ 0,3 μm
- Can be resharpened: H4 – (4-5 sharpening operations)

### Application:



CHAMFERING

### Materials:



RAW MDF



LAMINATED  
MDF



RAW  
CHIPBOARD



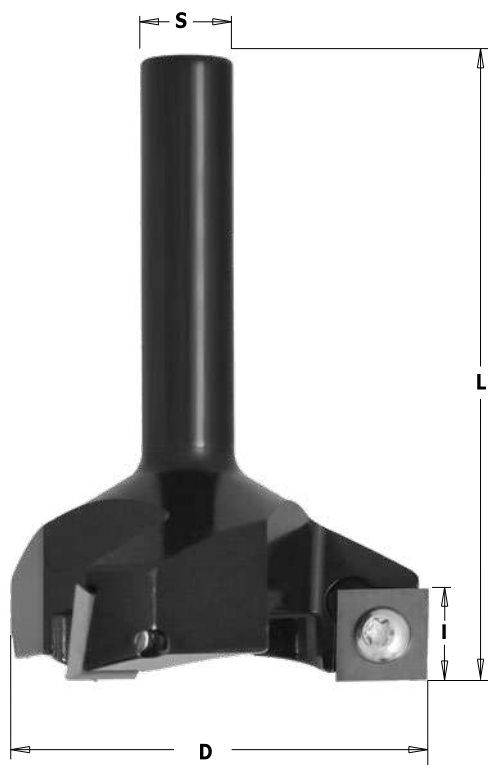
LAMINATED  
CHIPBOARD



| D<br>mm | I<br>mm | L<br>mm | S<br>mm | Z     | α   | PCD H<br>mm | ARTICLE<br>RH     |
|---------|---------|---------|---------|-------|-----|-------------|-------------------|
| 22      | 11      | 75      | 16x50   | 1     | 45° | 4,0         | FDH.22.011.16.0SR |
| 30      | 15      | 95      | 20x50   | 2     | 45° | 4,0         | FDH.30.015.20.4SR |
| 38      | 9       | 75      | 20x50   | 2     | 25° | 4,0         | FDH.38.009.20.0SR |
| 35      | 10      | 75      | 16x50   | 2     | 30° | 4,0         | FDH.35.010.16.0SR |
| 50      | 8       | 75      | 20x50   | 2     | 18° | 4,0         | FDH.50.008.20.0SR |
| 50      | 25      | 90      | 20x50   | 2+2+1 | 45° | 4,0         | FDH.50.025.20.0SR |

| D<br>mm | D <sub>2</sub><br>mm | I<br>mm | I <sub>2</sub><br>mm | L<br>mm | S<br>mm | Z | α   | PCD H<br>mm | ARTICLE<br>RH     |
|---------|----------------------|---------|----------------------|---------|---------|---|-----|-------------|-------------------|
| 12      | 2                    | 5       | 11                   | 55      | 12x40   | 2 | 45° | 4,0         | FDH.12.005.12.1SR |
| 30      | 10                   | 10      | 13,7                 | 70      | 20x50   | 2 | 45° | 4,0         | FDH.30.010.20.1SR |
| 33      | 3                    | 15      | 17,5                 | 71      | 20x50   | 2 | 45° | 4,0         | FDH.33.015.20.0SR |

## FWP



HM

Z3

Z2

RH



### Technical details:

- Body made from stainless steel > 28 HRC
- Two [Z2] / Three [Z3] cutting edges with exchangeable HM knives

### Application:



PLANNING

### Materials:



RAW MDF



LAMINATED MDF



RAW CHIPBOARD



LAMINATED CHIPBOARD



| D<br>mm | I<br>mm | L<br>mm | S<br>mm | Z | ARTICLE<br>RH      |
|---------|---------|---------|---------|---|--------------------|
| 35      | 10      | 60      | 8x40    | 3 | FWP.035.010.08.0SR |
| 38      | 12      | 60      | 12x40   | 3 | FWP.038.012.12.0SR |
| 60      | 12      | 80      | 12x50   | 3 | FWP.060.012.12.0SR |
| 80      | 12      | 90      | 20x50   | 3 | FWP.080.012.20.0SR |

### Spare parts:

|  | GRADE |  |
|-------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|
| 105105                                                                              | MG18  | SM4.6.8.T15.01                                                                        |
| 412124                                                                              | SMG02 | SM4.6.8.T15.02                                                                        |

| D<br>mm | I<br>mm | L<br>mm | S<br>mm | Z | ARTICLE<br>RH      |
|---------|---------|---------|---------|---|--------------------|
| 58      | 12      | 85      | 20x50   | 2 | FWP.058.012.20.0SR |

### Spare parts:

|  | GRADE |  |
|-------------------------------------------------------------------------------------|-------|---------------------------------------------------------------------------------------|
| 330124                                                                              | MG06  | SM3.8                                                                                 |

# Profile Router Cutters with Insert Knives for Chamfering

**FWH**  
**NEW**



**VHM**

**Z1**

**Z2**

**RH**

**EXCHANGEABLE PLATES**



## Technical details:

- One or two changeable knives
- Body made from stainless steel

## Application:



CHAMFERING

## Materials:



SOFT SOLID WOOD



HARD SOLID WOOD



RAW MDF



PLYWOOD



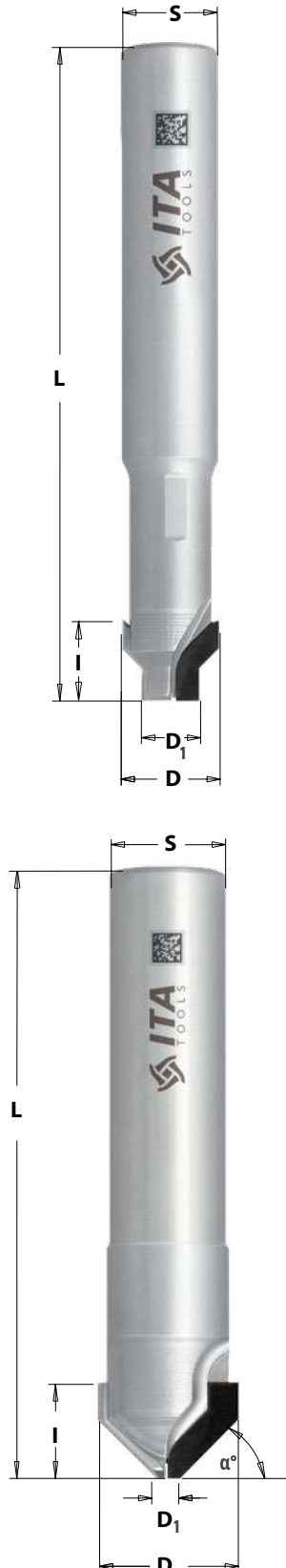
RAW CHIPBOARD



| D<br>mm | I<br>mm | L<br>mm | S<br>mm | Z | α    | ARTICLE<br>RH       |            | Knife<br>Q-ty |             | Screw<br>Q-ty |
|---------|---------|---------|---------|---|------|---------------------|------------|---------------|-------------|---------------|
| 22,8    | 24,5    | 65      | 12      | 1 | 50°  | FWH.022.024.065.12R | KDR.052.30 | 1             | SP.M3,5x4,8 | 1             |
| 31      | 22,1    | 66      | 12      | 1 | 70°  | FWH.031.022.066.12R | KDR.052.30 | 1             | SP.M3,5x4,8 | 1             |
| 38,4    | 19      | 76,5    | 12      | 1 | 91°  | FWH.038.019.076.12R | KDR.050.03 | 1             | SP.M3,5x4,8 | 2             |
| 41,2    | 17,3    | 81      | 12      | 1 | 100° | FWH.041.017.081.12R | KDR.050.03 | 1             | SP.M3,5x4,8 | 2             |
| 44,2    | 15,5    | 81      | 12      | 1 | 110° | FWH.044.015.081.12R | KDR.050.03 | 1             | SP.M3,5x4,8 | 2             |
| 50      | 44,6    | 111     | 20      | 1 | 60°  | FWH.050.044.111.20R | KDR.050.02 | 1             | SP.M4x6     | 2             |
| 51,6    | 14,7    | 77,7    | 12      | 2 | 120° | FWH.051.014.077.12R | KDR.050.06 | 2             | SP.M4x5,6   | 4             |
| 54      | 12,7    | 77      | 12      | 2 | 130° | FWH.054.012.077.12R | KDR.050.06 | 2             | SP.M4x5,6   | 4             |
| 57,6    | 7,6     | 75      | 12      | 2 | 150° | FWH.057.007.075.12R | KDR.050.05 | 2             | SP.M4x5,6   | 4             |
| 58,7    | 5       | 70,7    | 12      | 2 | 160° | FWH.058.005.070.12R | KDR.050.06 | 2             | SP.M4x5,6.1 | 4             |
| 66      | 33      | 97      | 20      | 1 | 90°  | FWH.066.033.097.20R | KDR.050.01 | 1             | SP.M4x6     | 2             |
| 67      | 33      | 97      | 20      | 1 | 91°  | FWH.067.033.097.20R | KDR.050.01 | 1             | SP.M4x6     | 2             |
| 86,6    | 25      | 97,5    | 20      | 2 | 120° | FWH.086.025.097.20R | KDR.050.04 | 2             | SP.M4x5,6.1 | 4             |
| 90,6    | 20,8    | 99      | 20      | 2 | 130° | FWH.090.020.099.20R | KDR.050.04 | 2             | SP.M4x5,6.1 | 4             |



FDT | FDH



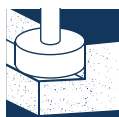
## Technical details:

- Full double PCD tips,
- Body made from stainless steel > 28 HRC
- Approval class of shank H6
- The shank surface roughness  $Ra \leq 0,3 \mu m$
- Height of PCD tip 4 mm
- Can be resharpened (3-4 times)

## Advantages:

Excellent finish of machining elements, quiet work.

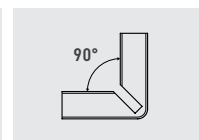
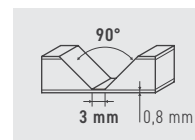
## Application:



RABBETING



BENDING



## Materials:



ALUCOBOND®



ALUCOBOND®  
A2

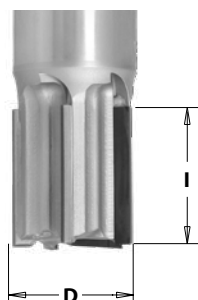
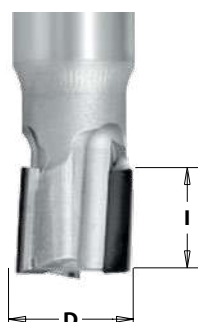
## FDT for Cutting:

| D<br>mm | D <sub>1</sub><br>mm | I<br>mm | L<br>mm | S<br>mm | $\alpha$ | ARTICLE           |
|---------|----------------------|---------|---------|---------|----------|-------------------|
| 12      | 7                    | 6,5     | 80      | 12      | 45°      | FDT.12.006.12.0SR |
| 12      | 6                    | 6,5     | 80      | 12      | 45°      | FDT.12.006.12.1SR |

## FDH for Bending:

| D<br>mm | D <sub>1</sub><br>mm | I<br>mm | L<br>mm | S<br>mm | $\alpha$ | ARTICLE           |
|---------|----------------------|---------|---------|---------|----------|-------------------|
| 12      | 2                    | 6       | 55      | 12      | 45°      | FDH.12.006.12.0SR |
| 18      | 3                    | 7,75    | 50      | 16      | 45°      | FDH.18.007.16.0SR |

## DT1/2/3/R/5



### Technical details:

- PCD tips,
- Body made from stainless steel > 28 HRC + HM + DENSIMET
- Approval class of shank H6
- The shank surface roughness Ra ≤ 0,3 μm
- Can be resharpened (3-4 times)

### Application:

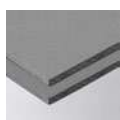


CUTTING



GROOVING

### Materials:



FIBER  
CEMENT



GLASS FIBER/  
CARBON FIBER



CORIAN®  
/HPL



ALUMINUM



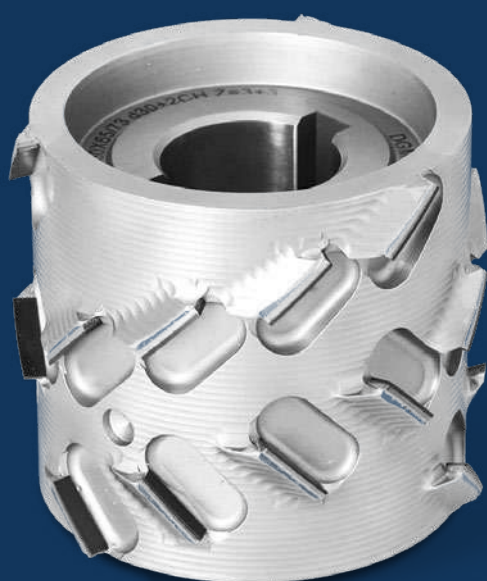
| D<br>mm | I<br>mm | L<br>mm | S<br>mm | Z | PCD H<br>mm | BODY               | ARTICLE            |
|---------|---------|---------|---------|---|-------------|--------------------|--------------------|
| 6       | 5       | 50      | 6       | 1 | 3           | HM                 | DT1.06.005.06.0MR  |
| 6       | 11      | 50      | 6       | 1 | 3           | HM                 | DT1.06.011.06.0MR  |
| 12      | 5       | 55      | 12      | 2 | 2,5         | STAINLESS<br>STEEL | DT2.12.005.12.0SR  |
| 12      | 15      | 85      | 12      | 3 | 3           | STAINLESS<br>STEEL | DT3.12.015.12.0SR  |
| 12      | 15      | 70      | 12      | 3 | 3,5         | DENSIMET®          | DT3.12.015.12.0DR  |
| 12      | 15      | 70      | 12      | 4 | 3           | DENSIMET®          | DTR.12.015.12.1DR* |
| 16      | 10      | 130     | 16      | 5 | 3           | STAINLESS<br>STEEL | DT5.16.010.16.2SR  |
| 18      | 22      | 100     | 20      | 5 | 3           | STAINLESS<br>STEEL | DT5.18.022.20.0SR  |
| 20      | 22      | 80      | 20      | 5 | 3           | STAINLESS<br>STEEL | DT5.20.022.20.0SR  |

\*with chipbreaker

NEW



# EDGEBANDING PROCESS

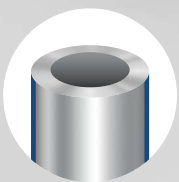


## PREMILL PCD CUTTER HEADS

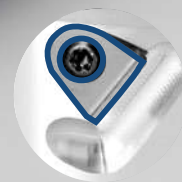
DGM and DGL series



Versed body made with stainless steel significantly reduces noise level.

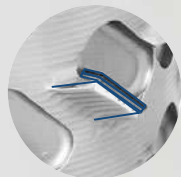


G2.5 class balance eliminates vibrations even at maximum speed.



Special design of the changeable inserts allows for tightening with greater force without the risk of breakage.

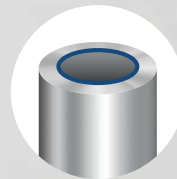




Teeth protruding beyond the body and a separate channel for each tooth facilitate chip evacuation.



PCD teeth sharpened with an innovative **laser ablation method**. The previously unseen sharpness of the teeth translates into an ideal surface of the processed material.



Bore made in **tolerance of H7** eliminate runout which extends the service life of machine.



Lightweight body made with aluminum reduces the load on the machine spindle.



## Chapter

# Tools for Edge Banding Machines



DGM series



**p. 147**

DGL series



**p. 150**

DGB series



**p. 152**

DGB series



**p. 153**

GKN, GK2 series



**p. 154**

HOG series



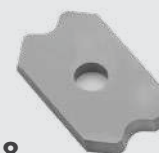
**p. 155**

PKA series



**p. 156**

Edgebanding  
Machine Knives



**p. 158**



For more tool dimensions, log in to our B2B System [b2b-itatools.pl](https://b2b-itatools.pl)

## DGM



SYMMETRICAL ROTATION



ASYMETRICAL ROTATION



RH

LH

SYM



### Technical details:

- Height of PCD tip 4,5 mm
- Can be resharpened (5-6 times)
- Additional grooves at the main hole 4x8 (DKN)

### Application:

Finishing Diamond cutter heads for edge banding machines with mechanical feed. Eliminating the run-out effects favourable for the service life of the machine. Suitable for MDF and chipboard panels. Easy selection for a specific machine model with a database of dedicated tools.



Specially designed verse stainless steel body significantly lowers noise level.



Teeth extended above the body and separate channel for each blade for better facilitate chip evacuation.

### HOLE IN TOLERANCE

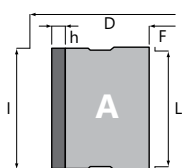
# H7

Eliminating the run-out effects favourable for the service life of the machine.

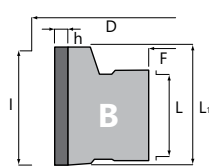
### BALANCING CLASS

# G2,5

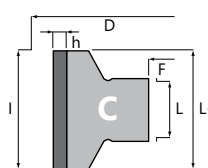
Cutter works evenly, without vibrations, even at maximum speed.



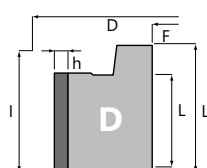
TYPE A



TYPE B



TYPE C



TYPE D

| D<br>mm | F<br>mm  | I<br>mm | L<br>mm | L <sub>1</sub><br>mm | Z   | α   | PLATES | PCD H<br>mm | TYPE | MACHINE         | ARTICLE<br>RH      | ARTICLE<br>LH      |
|---------|----------|---------|---------|----------------------|-----|-----|--------|-------------|------|-----------------|--------------------|--------------------|
| 60      | 16 (DKN) | 54      | 30      | 56                   | 3+3 | 30° | 18     | 4,5         | C    | BIMATIC®        | DGM.060016054.0SC4 |                    |
| 60      | 20 (DKN) | 45      | 47      | -                    | 2+2 | 30° | 10     | 2,5         | A    | LANGE®          | DGM.060020045.0RA2 | DGM.060020045.0LA2 |
| 60      | 20 (DKN) | 48      | 42      | 50                   | 3+3 | 30° | 18     | 4,5         | B    | JAROMA, STOMANA | DGM.060020048.0RB4 | DGM.060020048.0LB4 |
| 60      | 20 (DKN) | 55      | 57      | -                    | 2+2 | 30° | 12     | 2,5         | A    | LANGE®          | DGM.060020055.0RA2 | DGM.060020055.0LA2 |
| 60      | 20 (DKN) | 55      | 44      | 57                   | 2+2 | 30° | 14     | 4,5         | B    | CEHISA®, LANGE® | DGM.060020055.0RB4 | DGM.060020055.0LB4 |

NEW  
NEW  
NEW

## Premill PCD Cutter Heads with Brazed Knives for Edgebanding machines

|                                   | D<br>mm | F<br>mm  | I<br>mm | L<br>mm | L <sub>1</sub><br>mm | Z   | α   | PLATES | PCD H<br>mm | TYPE | MACHINE             | ARTICLE<br>RH       | ARTICLE<br>LH       |
|-----------------------------------|---------|----------|---------|---------|----------------------|-----|-----|--------|-------------|------|---------------------|---------------------|---------------------|
| PCD & HM TOOLS                    | 60      | 20 (DKN) | 65      | 67      | -                    | 2+2 | 30° | 16     | 2,5         | A    | CEHISA®, LANGE®     | DGM.060020065.1RA2  | DGM.060020065.1LA2  |
| SOLID CARBIDE<br>ROUTER BITS      | 60      | 25 (DKN) | 48      | 50      | -                    | 2+2 | 30° | 12     | 2,5         | A    | HOLZING®            | DGM.060025048.0RA2  | DGM.060025048.0LA2  |
|                                   | 60      | 25 (DKN) | 48      | 50      | -                    | 2+2 | 30° | 12     | 4,5         | A    | FELDER®             | DGM.060025048.0RA4  | DGM.060025048.0LA4  |
|                                   | 60      | 25 (DKN) | 48      | 50      | 63                   | 2+2 | 30° | 12     | 4,5         | D    | FELDER®             | DGM.060025048.1RA4  | DGM.060025048.1LA4  |
|                                   | 60      | 25 (DKN) | 56      | 58      | -                    | 2+2 | 30° | 14     | 4,5         | A    | FELDER®             | DGM.060025056.0RA4  | DGM.060025056.0LA4  |
| PCD & VHM TOOLS FOR<br>COMPOSITES | 60      | 25 (DKN) | 64      | 66      | -                    | 2+2 | 30° | 16     | 4,5         | A    | FELDER®             | DGM.060025064.0RA4  | DGM.060025064.0LA4  |
|                                   | 70      | 20 (DKN) | 48      | 30      | 50                   | 2+2 | 30° | 12     | 4,5         | C    | LAZZONI®            | DGM.070020048.2RC4  | DGM.070020048.2LC4  |
|                                   | 70      | 20 (DKN) | 48      | 30      | 50                   | 3+3 | 30° | 18     | 4,5         | C    | LAZZONI®            | DGM.070020048.3RC4  | DGM.070020048.3LC4  |
|                                   | 70      | 20 (DKN) | 50      | 30      | 52                   | 2+2 | 30° | 12     | 2,5         | C    | TORK MAKINA®        | DGM.070020050.0RC2T | DGM.070020050.0LC2T |
| CHUCKS<br>& ACCESSORIES           | 70      | 20 (DKN) | 50      | 30      | 52                   | 2+2 | 30° | 12     | 3,5         | C    | TURKISH<br>MACHINES | DGM.070020050.0RC3T | DGM.070020050.0LC3T |
|                                   | 70      | 25 (DKN) | 48      | 50      | 61                   | 3+3 | 30° | 18     | 4,5         | D    | HEBROCK®            | DGM.070025048.0RA4  | DGM.070025048.0LA4  |
|                                   | 70      | 25 (DKN) | 48      | 50      | 61                   | 2+2 | 30° | 18     | 2,5         | D    | HEBROCK®            | DGM.070025048.2RA2  | DGM.070025048.2LA2  |
|                                   | 70      | 30 (DKN) | 56      | 37      | 59                   | 2+2 | 30° | 14     | 4,5         | C    | HOLZ-HER®           | DGM.070030056.2RC4  | DGM.070030056.2LC4  |
| TOOLS FOR EDGEBANDING<br>MACHINES | 70      | 30 (DKN) | 64      | 41,5    | 67                   | 2+2 | 30° | 16     | 4,5         | C    | HOLZ-HER®           | DGM.070030064.0RC4  | DGM.070030064.0LC4  |
|                                   | 70      | 30 (DKN) | 64      | 41,5    | 67                   | 3+3 | 30° | 24     | 4,5         | C    | HOLZ-HER®           | DGM.070030064.4RC4  | DGM.070030064.4LC4  |
|                                   | 80      | 25 (DKN) | 48      | 50      | 63                   | 2+2 | 30° | 12     | 4,5         | D    | FELDER®             | DGM.080025048.1RA4  | DGM.080025048.1LA4  |
|                                   | 80      | 25 (DKN) | 48      | 50      | 63                   | 3+3 | 30° | 18     | 4,5         | D    | FELDER®             | DGM.080025048.3RA4  | DGM.080025048.3LA4  |
| CIRCULAR SAW BLADES               | 80      | 25 (DKN) | 64      | 66      | -                    | 2+2 | 30° | 16     | 4,5         | A    | FELDER®             | DGM.080025064.1RA4  | DGM.080025064.1LA4  |
|                                   | 80      | 25 (DKN) | 64      | 66      | -                    | 3+3 | 30° | 24     | 4,5         | A    | FELDER®             | DGM.080025064.2RA4  | DGM.080025064.2LA4  |
|                                   | 80      | 30 (DKN) | 45      | 47      | -                    | 3+3 | 30° | 18     | 4,5         | A    | BIESSE®             | DGM.080030045.SSA4  |                     |
|                                   | 80      | 30 (DKN) | 56      | 58      | -                    | 2+2 | 30° | 14     | 4,5         | A    | SCM®                | DGM.080030056.0RA4  | DGM.080030056.0LA4  |
| DRILL BITS                        | 80      | 30 (DKN) | 65      | 53      | 69                   | 3+3 | 45° | 24     | 4,5         | C    | BIESSE®             | DGM.080030065.1SC4  |                     |
|                                   | 85      | 30 (DKN) | 45      | 47      | -                    | 3+3 | 30° | 18     | 4,5         | A    | OTT®                | DGM.085030045.0RA4  | DGM.085030045.0LA4  |
|                                   | 100     | 20 (DKN) | 65      | 37      | 67                   | 2+2 | 30° | 16     | 4,5         | C    | CEHISA®             | DGM.100020065.0RC4  | DGM.100020065.0LC4  |
|                                   | 100     | 25 (DKN) | 65      | 37      | 72                   | 2+2 | 30° | 16     | 4,5         | B    | CEHISA®             | DGM.100020065.KRB4  | DGM.100020065.KLB4  |
| STRAIGHT<br>& SYSTEM KNIVES       | 100     | 25 (DKN) | 48      | 40,6    | 50                   | 2+2 | 30° | 12     | 4,5         | B    | BRANDT®             | DGM.100025048.0RB4  | DGM.100025048.0LB4  |
|                                   | 100     | 30 (DKN) | 43      | 35,6    | 45                   | 3+3 | 30° | 15     | 4,5         | B    | BRANDT®, HOMAG®     | DGM.100030043.0RB4  | DGM.100030043.0LB4  |
|                                   | 100     | 30 (DKN) | 45      | 47      | 61                   | 2+2 | 30° | 14     | 4,5         | D    | HEBROCK®            | DGM.100030045.2RA4  | DGM.100030045.2LA4  |
|                                   | 100     | 30 (DKN) | 48      | 50      | -                    | 3+3 | 30° | 18     | 4,5         | A    | SCM®                | DGM.100030048.0RA4  | DGM.100030048.0LA4  |
| STARTER KITS                      | 100     | 30 (DKN) | 48      | 40,6    | 50                   | 3+3 | 30° | 18     | 4,5         | B    | BRANDT®             | DGM.100030048.0RB4  | DGM.100030048.0LB4  |
|                                   | 100     | 30 (DKN) | 48      | 25      | 50                   | 3+3 | 30° | 18     | 4,5         | C    | SCM®, HOLZ-HER®     | DGM.100030048.0RC4  | DGM.100030048.0LC4  |
|                                   | 100     | 30 (DKN) | 48      | 50      | 61                   | 3+3 | 30° | 18     | 4,5         | D    | HEBROCK®            | DGM.100030048.2RA4  | DGM.100030048.2LA4  |

## Premill PCD Cutter Heads with Brazen Knives for Edgebanding machines

| D<br>mm | F<br>mm  | I<br>mm | L<br>mm | L <sub>1</sub><br>mm | Z   | α    | PLATES | PCD H<br>mm | TYPE | MACHINE                     | ARTICLE<br>RH      | ARTICLE<br>LH      |
|---------|----------|---------|---------|----------------------|-----|------|--------|-------------|------|-----------------------------|--------------------|--------------------|
| 100     | 30 (DKN) | 51      | 52      | 58                   | 3+3 | 30°  | 21     | 4,5         | D    | SCM®                        | DGM.100030051.0RA4 | DGM.100030051.0LA4 |
| 100     | 30 (DKN) | 64      | 40,6    | 66                   | 3+3 | 30°  | 24     | 4,5         | B    | BRANDT®, HOMAG®             | DGM.100030064.0RB4 | DGM.100030064.0LB4 |
| 100     | 30 (DKN) | 64      | 60      | 71                   | 3+3 | 30°  | 24     | 4,5         | D    | SCM®                        | DGM.100030064.KRB4 | DGM.100030064.KLB4 |
| 100     | 30 (DKN) | 64      | 39      | 67                   | 3+3 | 30°  | 24     | 4,5         | C    | BRANDT®, HOMAG®             | DGM.100030064.0RC4 | DGM.100030064.0LC4 |
| 125     | 30 (DKN) | 34      | 36      | -                    | 3+3 | 30°  | 12     | 4,5         | A    | BIESSE®                     | DGM.125030034.0RA4 | DGM.125030034.0LA4 |
| 125     | 30 (DKN) | 40      | 42      | -                    | 3+3 | 30°  | 9      | 3,5         | A    | KDT®                        | DGM.125030040.0RA3 | DGM.125030040.0LA3 |
| 125     | 30 (DKN) | 43      | 39      | 45                   | 3+3 | 30°  | 15     | 4,5         | B    | IMA ADVANTAGE®              | DGM.125030043.0RB4 | DGM.125030043.0LB4 |
| 125     | 30 (DKN) | 43      | 36      | 45                   | 3+3 | 30°  | 18     | 4,5         | B    | HOMAG®                      | DGM.125030043.1RB4 | DGM.125030043.1LB4 |
| 125     | 30 (DKN) | 43      | 33,5    | 45                   | 3+3 | 30°  | 18     | 4,5         | B    | HOMAG®                      | DGM.125030043.2RB4 | DGM.125030043.2LB4 |
| 125     | 30 (DKN) | 45      | 47      | -                    | 3+3 | 32°  | 18     | 4,5         | A    | MASTERWOOD®,<br>NANXING®    | DGM.125030045.0RA4 | DGM.125030045.0LA4 |
| 125     | 30 (DKN) | 45      | 25      | 47                   | 3+3 | 30°  | 18     | 4,5         | C    | BIESSE®                     | DGM.125030045.0RC4 | DGM.125030045.0LC4 |
| 125     | 30 (DKN) | 46      | 58,5    | 67                   | 3+3 | 54°  | 27     | 4,5         | D    | BIESSE®                     | DGM.125030046.TRA4 | DGM.125030046.TLA4 |
| 125     | 30 (DKN) | 46      | 42      | 50                   | 4+4 | 54°  | 40     | 4,5         | C    | BIESSE®, HOMAG®             | DGM.125030046.TS44 |                    |
| 125     | 30 (DKN) | 43      | 40      | 45                   | 3+3 | 30°  | 18     | 4,5         | C    | HOMAG®                      | DGM.125030043.1SA4 |                    |
| 125     | 30 (DKN) | 45      | 25      | 47                   | 3+3 | 30°  | 18     | 4,5         | C    | BIESSE®, HOMAG®             | DGM.125030045.0SC4 |                    |
| 125     | 30 (DKN) | 50      | 41      | 52                   | 3+3 | 30°  | 21     | 4,5         | B    | EXITECH®                    | DGM.125030050.0RB4 | DGM.125030050.0LB4 |
| 125     | 30 (DKN) | 64      | 40,6    | 66                   | 3+3 | 30°  | 24     | 4,5         | B    | IMA, HOMAG®                 | DGM.125030064.0RB4 | DGM.125030064.0LB4 |
| 125     | 30 (DKN) | 64      | 40      | 66                   | 3+3 | 30°  | 24     | 4,5         | C    | HOMAG®                      | DGM.125030064.0SC4 |                    |
| 125     | 30 (DKN) | 65      | 55      | 67                   | 3+3 | 30°  | 18     | 3,5         | C    | KDT®, NANXING®,<br>EXITECH® | DGM.125030065.SRC3 | DGM.125030065.SLC3 |
| 150     | 30 (DKN) | 46      | 48      | 42                   | 4+4 | a35° | 24     | 4,5         | C    | HOMAG®                      | DGM.150030046.0RC4 | DGM.150030046.0LC4 |
| 180     | 35 (DKN) | 32      | 38      | -                    | 6+6 | a35° | 24     | 4,5         | A    | HOMAG®                      | DGM.180035032.0RA4 | DGM.180035032.0LA4 |
| 180     | 35 (DKN) | 43      | 47      | -                    | 5+5 | a45° | 25     | 4,5         | A    | HOMAG®                      | DGM.180035043.0RA4 | DGM.180035043.0LA4 |
| 180     | 35 (DKN) | 43      | 41      | 47                   | 5+5 | a45° | 25     | 6           | C    | HOMAG®                      | DGM.180035043.0RC6 | DGM.180035043.0LC6 |
| 180     | 35 (DKN) | l=43    | 44      | 47                   | 5+5 | a54° | 30     | 6           | C    | HOMAG®                      | DGM.180035043.TRC6 | DGM.180035043.TLC6 |

PCD &amp; HM TOOLS

SOLID CARBIDE  
ROUTER BITSPCD & VHM TOOLS FOR  
COMPOSITESCHUCKS  
& ACCESSORIESTOOLS FOR  
EDGE-BANDING MACHINES

CIRCULAR SAW BLADES

DRILL BITS

STRAIGHT  
& SYSTEM KNIVES

STARTER KITS



Database of dedicated tools for Edgebanders.  
Ask about Your model [export@itatools.pl](mailto:export@itatools.pl)

## DGL



RH

LH

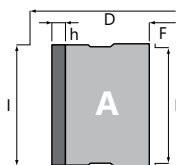


### Technical details:

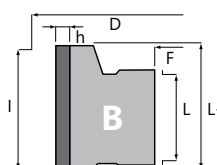
- Lightweight construction material, reduces vibrations, which translates into less wear of the bearings in the machine
- Blades ensuring a smooth surface of the processed edge
- The ability to customize the arrangement of the blades on the head, for example a symmetrical or asymmetrical arrangement
- The possibility of replacing DIA blades
- Noise reduction due to the particular geometry of the structure
- Body milled on both sides

### Application:

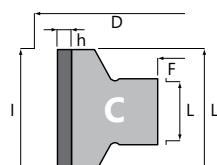
Diamond cutter heads intended for edge profiling for edge banding machines with mechanical feed. Suitable for MDF and chipboard panels.



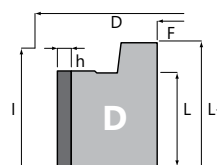
TYPE A



TYPE B



TYPE C



TYPE D

| D<br>mm | F<br>mm     | I<br>mm | L<br>mm | L <sub>1</sub><br>mm | Z   | α   | PLATES     | PCD H<br>mm | TYPE | MACHINE          | ARTICLE<br>RH      | ARTICLE<br>LH      |
|---------|-------------|---------|---------|----------------------|-----|-----|------------|-------------|------|------------------|--------------------|--------------------|
| 60      | 20<br>(DKN) | 32      | 43,5    | -                    | 2+2 | 35° | 6 (A)      | 2,5         | A    | CEHISA®          | DGL.060020032.KRA3 | DGL.060020032.KLA3 |
| 60      | 20<br>(DKN) | 64      | 44      | 75,5                 | 2+2 | 35° | 12 (A)     | 2,5         | B    | CEHISA®          | DGL.060020064.KRB3 | DGL.060020064.KLB3 |
| 60      | 25<br>(DKN) | 63      | 63,5    | 71                   | 2+2 | 30° | 12(A)+2(B) | 2,5         | C    | FRAVOL®          | DGL.060025063.0RA3 | DGL.060025063.0LA3 |
| 70      | 25<br>(DKN) | 43      | 51,5    | 61                   | 2+2 | 30° | 8 (A)      | 2,5         | D    | HEBROCK®         | DGL.070025043.0RK3 | DGL.070025043.0LK3 |
| 70      | 20<br>(DKN) | 54      | 28      | 64                   | 2+2 | 30° | 10 (A)     | 2,5         | C    | TORK<br>MACHINE® | DGL.070020054.0RC3 | DGL.070020054.0LC3 |
| 70      | 25<br>(DKN) | 63      | 71,5    | 81                   | 2+2 | 30° | 12 (A)     | 2,5         | D    | HEBROCK®         | DGL.070025063.0RK3 | DGL.070025063.0LK3 |
| 70      | 30<br>(DKN) | 65      | 52,5    | 70                   | 3+3 | 35° | 18(A)      | 3           | C    | HOLZ-HER®        | DGL.070030065.1RC3 | DGL.070030065.1LC3 |
| 70      | 30<br>(DKN) | 65      | 52,5    | 70                   | 2+2 | 35° | 12(A)      | 3           | C    | HOLZ-HER®        | DGL.070030065.2RC3 | DGL.070030065.2LC3 |
| 80      | 25<br>(DKN) | 47      | 61      | 65                   | 2+2 | 45° | 10 (A)     | 2,5         | D    | FELDER®          | DGL.080025047.1RA3 | DGL.080025047.1LA3 |
| 80      | 30<br>(DKN) | 65      | 76      | -                    | 3+3 | 30° | 18 (A)     | 2,5         | A    | FELDER®          | DGL.080025065.0RC3 | DGL.080025065.0LC3 |
| 80      | 30<br>(DKN) | 44      | 55      | -                    | 3+3 | 35° | 12 (A)     | 2,5         | A    | BIESSE®          | DGL.080030044.0SA3 |                    |

NEW

NEW

# Premill PSD Cutter Heads with Replaceable Plates for Edgebanding machines

| D<br>mm | F<br>mm     | I<br>mm | L<br>mm | L <sub>1</sub><br>mm | Z   | α   | PLATES              | PCD H<br>mm | TYPE | MACHINE           | ARTICLE<br>RH      | ARTICLE<br>LH      |
|---------|-------------|---------|---------|----------------------|-----|-----|---------------------|-------------|------|-------------------|--------------------|--------------------|
| 80      | 30<br>(DKN) | 54      | 65      | -                    | 3+3 | 35° | 10(A)               | 2,5         | A    | SCM®              | DGL.080030054.0RA3 | DGL.080030054.0LA3 |
| 80      | 30<br>(DKN) | 65      | 54      | 75                   | 3+3 | 35° | 18 (A)              | 2,5         | C    | BIESSE®           | DGL.080030065.2SC3 |                    |
| 80      | 25<br>(DKN) | 65      | 64      | 75                   | 3+3 | 35° | 15(A)+6(B)          | 2,5         | C    | FELDER®           | DGL.080025065.0RC3 | DGL.080025065.0LC3 |
| 85      | 30<br>(DKN) | 48      | 50      | 58                   | 3+3 | 35° | 12(A)+3(B)          | 2,5         | B    | OTT®              | DGL.085030048.0RB3 | DGL.085030048.0LB3 |
| 100     | 20<br>(DKN) | 65      | 42      | 77,5                 | 3+3 | 35° | 18 (A)              | 2,5         | B    | CEHISA®           | DGL.100020065.KRB3 | DGL.100020065.KLB3 |
| 100     | 20<br>(DKN) | 33      | 42      | 45,5                 | 3+3 | 35° | 9 (A)               | 2,5         | B    | CEHISA®           | DGL.100020033.KRB3 | DGL.100020033.KLB3 |
| 100     | 30<br>(DKN) | 44      | 40,6    | 54,5                 | 3+3 | 35° | 12 (A)              | 2,5         | B    | BRANDT®           | DGL.100030044.1RB3 | DGL.100030044.1LB3 |
| 100     | 30<br>(DKN) | 44      | 40      | 54                   | 3+3 | 35° | 12 (A)              | 2,5         | C    | BRANDT®, SCM®     | DGL.100030044.1RC3 | DGL.100030044.1LC3 |
| 100     | 30<br>(DKN) | 51      | 60      | 61                   | 2+2 | 35° | 8(A)+2(B)           | 2,5         | D    | SCM®              | DGL.100030051.KRB3 | DGL.100030051.KLB3 |
| 100     | 30<br>(DKN) | 51      | 60      | 61                   | 3+3 | 35° | 12(A)+3(B)          | 2,5         | D    | SCM®              | DGL.100030051.KRB4 | DGL.100030051.KLB4 |
| 100     | 30<br>(DKN) | 84      | 56,5    | 92,5                 | 2+2 | 30° | 16(A)               | 2,5         | B    | FRAVOL®           | DGL.100030084.0RB3 | DGL.100030084.0LB3 |
| 100     | 30<br>(DKN) | 124     | 96      | 132                  | 2+2 | 30° | 22(A)               | 2,5         | C    | FRAVOL®           | DGL.100030124.0RC3 | DGL.100030124.0LC3 |
| 100     | 30<br>(DKN) | 65      | 59      | 75                   | 2+2 | 35° | 10(A)+4(B)          | 2,5         | D    | SCM®              | DGL.100030065.KRB2 | DGL.100030065.KLB2 |
| 100     | 30<br>(DKN) | 65      | 59      | 75                   | 3+3 | 35° | 15(A)+3(B)<br>+3(C) | 2,5         | D    | SCM®              | DGL.100030065.KRB3 | DGL.100030065.KLB3 |
| 100     | 30<br>(DKN) | 65      | 60,5    | 78,5                 | 3+3 | 46° | 21 (A)              | 2,5         | B    | SCM®              | DGL.100030065.4RB3 | DGL.100030065.4LB3 |
| 100     | 30<br>(DKN) | 44      | 54      | 58                   | 3+3 | 46° | 15(A)               | 2,5         | C    | HOMAG®            | DGL.125030044.KR23 | DGL.125030044.KL23 |
| 125     | 30<br>(DKN) | 40      | 38      | 54                   | 3+3 | 35° | 12(A)               | 3           | C    | KDT®              | DGL.125030040.0RC3 | DGL.125030040.0LC3 |
| 125     | 30<br>(DKN) | 65      | 56      | 75                   | 3+3 | 35° | 18(A)               | 3           | C    | KDT®              | DGL.125030065.0RC3 | DGL.125030065.0LC3 |
| 125     | 30<br>(DKN) | 65      | 56,5    | 77                   | 3+3 | 35° | 18                  | 2,5         | B    | IMA<br>ADVANTAGE® | DGL.125030065.KR03 | DGL.125030065.KL03 |
| 125     | 30<br>(DKN) | 65      | 45      | 75                   | 3+3 | 35° | 18                  | 2,5         | B    | IMA HOMAG®        | DGL.125030065.1RB3 | DGL.125030065.1LB3 |

## PCD insert TYPE A for Premill Cutters:



| H<br>mm | L<br>mm | TYPE | DESCRIPTION | ARTICLE       |
|---------|---------|------|-------------|---------------|
| 3       | 14      | A    | Unsharpened | DGL.14147.A.N |
| 3       | 14      | A    | Sharpened   | DGL.14147.A.O |



## PCD insert TYPE B for Premill Cutters:

| H<br>mm | L<br>mm | TYPE | DESCRIPTION | ARTICLE          |
|---------|---------|------|-------------|------------------|
| 3       | 7       | B    | Unsharpened | DGL.07147.B.N.LH |
| 3       | 7       | B    | Sharpened   | DGL.07147.B.O.LH |



| H<br>mm | L<br>mm | TYPE | DESCRIPTION | ARTICLE          |
|---------|---------|------|-------------|------------------|
| 3       | 7       | B    | Unsharpened | DGL.07147.B.N.RH |
| 3       | 7       | B    | Sharpened   | DGL.07147.B.O.RH |

## Profiling PCD Heads for Edgebanding Machines

### DGB



RH  
LH

Z4

Z2+2

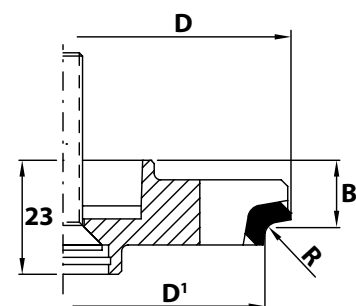
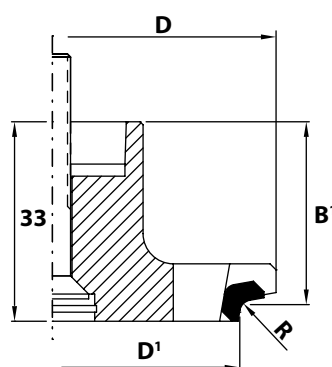


#### Technical details:

- Height of PCD tip 3 mm
- Can be resharpened (3-4 times)

#### Application:

Diamond cutter heads intended for edge profiling for edge banding machines with mechanical feed. Special construction for better facilitate chip evacuation. Suitable for MDF and chipboard panels.



### HSK32 Type 33:

| D<br>mm | D'<br>mm | MOUNTING<br>mm | B'<br>mm | R  | Z | ARTICLE<br>RH      | ARTICLE<br>LH      |
|---------|----------|----------------|----------|----|---|--------------------|--------------------|
| 74      | 70       | HSK32          | 31,5     | R1 | 4 | DGB.074032000.4RC1 | DGB.074032000.4LC1 |
| 74      | 70       | HSK32          | 31,5     | R2 | 4 | DGB.074032000.4RC2 | DGB.074032000.4LC2 |
| 74      | 70       | HSK32          | 31,5     | R3 | 4 | DGB.074032000.4RC3 | DGB.074032000.4LC3 |

### HSK25R Type 23:

| D<br>mm | D'<br>mm | MOUNTING<br>mm | B'<br>mm | R  | Z | ARTICLE<br>RH      | ARTICLE<br>LH      |
|---------|----------|----------------|----------|----|---|--------------------|--------------------|
| 76      | 70       | HSK25R         | 17,5     | R1 | 4 | DGB.076025000.4RC1 | DGB.076025000.4LC1 |
| 76      | 70       | HSK25R         | 17,5     | R2 | 4 | DGB.076025000.4RC2 | DGB.076025000.4LC2 |

## Profiling PCD Heads for Edgebanding Machines

### DGB



#### Technical details:

- Height of PCD tip 3 mm or 4 mm
- Can be resharpened (3-5 times)

#### Application:

Diamond cutter heads intended for edge profiling for edge banding machines with mechanical feed. Special construction for better facilitate chip evacuation. Suitable for MDF and chipboard panels.

#### Standard Type:

| D<br>mm | D'<br>mm | I<br>mm | F<br>mm | Z   | R   | PCD H<br>mm | MACHINE   | ARTICLE<br>RH      | ARTICLE<br>LH      |
|---------|----------|---------|---------|-----|-----|-------------|-----------|--------------------|--------------------|
| 56      | 47       | 14,5    | 16(DKN) | 4   | 2   | 3           | HEBROCK®  | DGB.056016014.3RA0 | DGB.056016014.3LA0 |
| 56      | 50       | 16      | 20(DKN) | 2   | 2   | 3           | HOLZ-HER® | DGB.056020016.0RA0 | DGB.056020016.0LA0 |
| 56      | 50       | 16      | 20(DKN) | 2   | 1,3 | 3           | HOLZ-HER® | DGB.056020016.0RA2 | DGB.056020016.0LA2 |
| 57      | 50       | 12      | 20(DKN) | 2+2 | 2   | 3           | HOLZ-HER® | DGB.057020023.3RA0 | DGB.057020023.3LA0 |
| 58      | 50       | 8       | 16(DKN) | 4   | 2   | 3           | SCM®      | DGB.058016008.0R00 | DGB.058016008.0L00 |
| 58,7    | 50       | 8,5     | 16(DKN) | 3   | 2   | 3           | HOLZ-HER® | DGB.058016085.4RC0 | DGB.058016085.4LC0 |
| 58,7    | 50       | 8,5     | 16(DKN) | 3   | 1,3 | 3           | HOLZ-HER® | DGB.058016085.4RC2 | DGB.058016085.4LC2 |
| 67      | 61       | -       | 16(DKN) | 4   | 1   | 4           | KTD®      | DGB.067016001.4RD0 | DGB.067016001.4LD0 |
| 69      | 61       | 13,5    | 16(DKN) | 4   | 2   | 4           | OTT®      | DGB.069016000.4RA0 | DGB.069016000.4LA0 |
| 70      | -        | 14,58   | -       | 4   | 2   | 4           | SCM®      | DGB.070016145.4R00 | DGB.070016145.4L00 |
| 72,5    | 61       | 19      | 20(DKN) | 4   | 2   | 3           | HOLZHER   | DGB.073020019.3RA0 | DGB.073020019.3LA0 |



## GKN | GK2

HM

RH

LH

SYM



### Technical details:

- HM blades
- Additional grooves at the main hole
- Hole in tolerance H7

### Application:

Cutter heads intended for edge profiling for edge banding machines with mechanical feed. Suitable for MDF and chipboard panels.

| D<br>mm | I<br>mm | F<br>mm  | Z  | R   | MACHINE | ARTICLE<br>RH     | ARTICLE<br>LH     |
|---------|---------|----------|----|-----|---------|-------------------|-------------------|
| 55,3    | 5,5     | 16 (DKN) | 3  | 2   | SCM®    | GKN.055316005.00R | GKN.055316005.00L |
| 55,3    | 14      | 16 (DKN) | 3  | 2   | SCM®    | GKN.055316014.00R | GKN.055316014.00L |
| 55,3    | 21      | 16 (DKN) | 3  | 2   | SCM®    | GKN.055316021.00R | GKN.055316021.00L |
| 55,3    | 21      | 16 (DKN) | 3  | 1,5 | SCM®    | GKN.055316021.02R | GKN.055316021.02L |
| 55,3    | 21      | 16 (DKN) | 3  | 1   | SCM®    | GKN.055316021.01R | GKN.055316021.01L |
| 63,6    | 30      | 16 (DKN) | 4  | 1/2 | SCM®    | GKN.062016030.01R | GKN.062016030.01L |
| 65      | 26      | 16 (DKN) | 3  | 1/2 | SCM®    | GKN.065016022.02R | GKN.065016022.02L |
| 69      | 15      | 16 (DKN) | 6  | 3   | VITAP®  | GKN.069024015.00R | GKN.069024015.00L |
| 69      | 15      | 16 (DKN) | 6  | 2   | VITAP®  | GKN.069024015.02R | GKN.069024015.02L |
| 107     | 6       | 40       | 12 | 2   | SCM®    | GK2.107040012.R2R | GK2.107040012.R2L |

NEW

## Compact PCD Hoggers for Long and Cross Side Cut

### HOG Compact



RH

LH



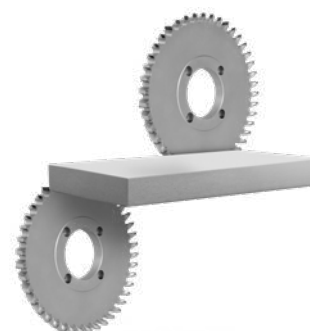
#### Technical details:

- Multi-blade configuration contraction finishing and chip breaker.
- Blade construction reducing working impact and tends to eliminate possible chippings or edge breaking
- The tips of the product have a one-sided stage shape.
- Low-vibration hardened steel body.
- Great chip removal
- Suitable for use with the most common clamping systems as hydraulic, mechanical and quick-change.
- H6 PCD tip
- Sharpened by LASER ABLATION technology

#### Application:

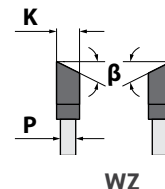
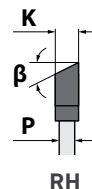
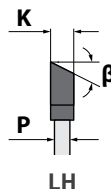
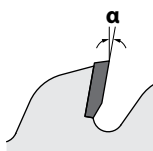
For formatting material on 2 or 4 sides edgbanding machines. Maintain high-quality finishing while working on very fast feed rates. For materials such as chipboard, MDF, HDF, plywood, honeycomb, and plywood panels with or without veneer, melamine, paper, or plastic coatings.

| D<br>mm | I<br>mm | F<br>mm | Z    | ARTICLE<br>RH      | ARTICLE<br>LH      |
|---------|---------|---------|------|--------------------|--------------------|
| 250     | 10      | 60      | 36/6 | HOG.250060010.CRP0 | HOG.250060010.CLP0 |
| 250     | 10      | 80      | 36/6 | HOG.250080010.CRP0 | HOG.250080010.CLP0 |
| 250     | 10      | 100     | 36/6 | HOG.250100010.CRP0 | HOG.250100010.CLP0 |
| 250     | 12      | 60      | 42/6 | HOG.250060012.CR26 | HOG.250060012.CL26 |
| 250     | 12      | 80      | 42/6 | HOG.250080012.CR36 | HOG.250080012.CL36 |
| 250     | 12      | 100     | 42/6 | HOG.250100012.CR16 | HOG.250100012.CL16 |
| 250     | 12      | 60      | 48/6 | HOG.250060012.CR56 | HOG.250060012.CL56 |
| 250     | 12      | 80      | 48/6 | HOG.250080012.CR46 | HOG.250080012.CL46 |
| 250     | 12      | 100     | 48/6 | HOG.250100012.CR26 | HOG.250100012.CL26 |



## Clipping Saw Blades for Edge Trimming

### PKA



#### Application:

For trimming and chamfering of plastic, veneer and solid wood edges.

#### Machines:

Edgebanders.

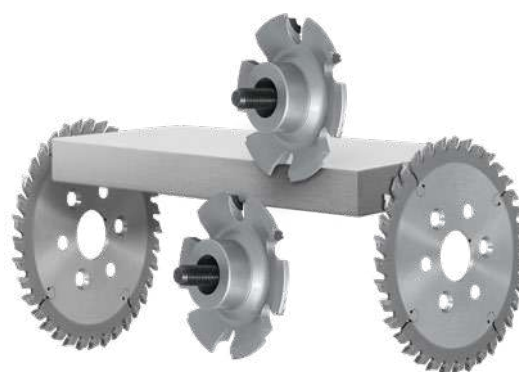
#### Materials:

Plastic (PCV, ABS), veneer and solid wood edges.

| D<br>mm | F<br>mm | PH        | Z  | K<br>mm | α    | TOOTH<br>CONF. | MACHINES                              | ARTICLE           |
|---------|---------|-----------|----|---------|------|----------------|---------------------------------------|-------------------|
| 80      | 20      |           | 16 | 2,4     | 2°   | WZ             | BIMATIC®                              | PKA.080020016.P0A |
| 80      | 30      |           | 12 | 3,2     | 10°  | LH             | BIMATIC®                              | PKA.080030012.P0L |
| 80      | 30      |           | 12 | 3,2     | 10°  | RH             | BIMATIC®                              | PKA.080030012.P0R |
| 85      | 30      |           | 12 | 3,2     | 10°  | LH             | BIMATIC®                              | PKA.085030012.P0L |
| 85      | 30      |           | 12 | 3,2     | 10°  | RH             | BIMATIC®                              | PKA.085030012.P0R |
| 100     | 22      | PH:2/4/30 | 20 | 2,4     | -6°  | WZ             | HEBROCK®                              | PKA.100022020.N0A |
| 100     | 22      |           | 20 | 3,2     | 5°   | WZ             | FELDER® FORMAT 4<br>PERFECT 610 / 710 | PKA.100022020.P1A |
| 100     | 30      |           | 20 | 3,2     | 5°   | WZ             | FELDER® G400 / G460<br>/ G500 / G560  | PKA.100030020.P1A |
| 100     | 30      |           | 30 | 2,6     | 5°   | LH             | BIESSE STEFANI®                       | PKA.100030030.P0L |
| 100     | 30      |           | 30 | 2,6     | 5°   | RH             | BIESSE STEFANI®                       | PKA.100030030.P0R |
| 100     | 32      |           | 20 | 3,2     | 5°   | LH             | BRANDT®                               | PKA.100032020.P1L |
| 100     | 32      |           | 20 | 3,2     | 5°   | RH             | BRANDT®                               | PKA.100032020.P1R |
| 100     | 32      |           | 30 | 2,6     | -10° | LH             | BRANDT®                               | PKA.100032030.N0L |
| 100     | 32      |           | 30 | 2,6     | -10° | RH             | BRANDT®                               | PKA.100032030.N0R |
| 100     | 32      |           | 30 | 2,6     | 5°   | WZ             | BRANDT®                               | PKA.100032030.P0A |
| 100     | 32      |           | 30 | 3,2     | 1,5° | LH             | BRANDT®                               | PKA.100032030.P3L |
| 100     | 32      |           | 30 | 3,2     | 1,5° | RH             | BRANDT®                               | PKA.100032030.P3R |
| 110     | 22      |           | 20 | 3,6     | 5°   | WZ             | HOLZ-HER®                             | PKA.110022020.P0A |
| 110     | 32      |           | 30 | 3,2     | 5°   | LH             | HOMAG®, BRANDT®,<br>CEHISA®           | PKA.110032030.P0L |
| 110     | 32      |           | 30 | 3,2     | 5°   | RH             | HOMAG®, BRANDT®,<br>CEHISA®           | PKA.110032030.P0R |

## Clipping Saw Blades for Edge Trimming

| D<br>mm | F<br>mm | PH                                | Z    | K<br>mm | α    | TOOTH<br>CONF. | MACHINES            | ARTICLE           |
|---------|---------|-----------------------------------|------|---------|------|----------------|---------------------|-------------------|
| 115     | 30      |                                   | 30   | 3,2     | 5°   | WZ             | SCM® K360 K560 K800 | PKA.115030030.00A |
| 115     | 30      |                                   | 30   | 3,2     | 5°   | WZ 30°         | SCM STEFANI®        | PKA.115030030.P0A |
| 125     | 30      |                                   | 24   | 2,6     | 5°   | LH             | SCM®                | PKA.125030024.P0L |
| 125     | 30      |                                   | 24   | 2,6     | 5°   | RH             | SCM®                | PKA.125030024.P0R |
| 125     | 30      |                                   | 36   | 3,2     | Poz. | WZ 5°          | SCM® K360 K560 K100 | PKA.125030036.P1A |
| 125     | 32      |                                   | 30   | 2,6     | Poz. | LH             | BRANDT®             | PKA.125032030.P0L |
| 125     | 32      |                                   | 30   | 2,6     | Poz. | RH             | BRANDT®             | PKA.125032030.P0R |
| 130     | 45      | PH:4/4,5/55                       | 20+4 | 3,6     | Poz. | LH 30°         | BIESSE STREAM®      | PKA.130045020.P0L |
| 130     | 45      | PH:4/4,5/55                       | 20+4 | 3,6     | Poz. | RH 30°         | BIESSE STREAM®      | PKA.130045020.P0R |
| 140     | 16      |                                   | 36   | 3,2     | Poz. | LH             | OTT®                | PKA.140016036.P0L |
| 140     | 16      |                                   | 36   | 3,2     | Poz. | RH             | OTT®                | PKA.140016036.P0R |
| 140     | 30      | PH:3/8-12/40 LH +<br>3/8-12/40 RH | 36   | 3,6     | Poz. | WZ             | BIESSE AKRON®       | PKA.140030036.00A |
| 150     | 35      | PH:4/6,5/50 LH                    | 24+6 | 3,8     | Poz. | LH             | SCM®                | PKA.150035030.P0L |
| 150     | 35      | PH:4/6,5/50 RH                    | 24+6 | 3,8     | Poz. | RH             | SCM®                | PKA.150035030.P0R |
| 160     | 22      |                                   | 48   | 3,2     | Poz. | WZ             | IMA®                | PKA.160022048.P0A |
| 170     | 30      | PH:4/5,5/52                       | 36   | 3,2     | Poz. | WZ             | HOMAG®              | PKA.170030036.P0A |



## Chapter

# CNC Router Cutters, Chucks & Accessories

HSK63F  
series

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HSK63F  
series  
with Bearing  
Nut

**p. 131**



HSK63F  
HYDRO

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HSK63F  
SHRINK-FIT

**p. 132**



H6FPDX  
SHRINK-FIT  
SLIM

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ISO30  
DIN 69871

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Assembly  
supports for  
ISO chucks

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HSK.63F/ISO.30

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HSK63F  
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Extension for Precision  
Collets

**p. 137**



Fixing Nuts for Chucks  
ISO/ HSK Standard  
DIN 6499

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Precision Collets

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HSK63F  
SBA.H6F

**p. 140**



SBA.S20 Saw Blade  
Arbor with  
Parallel Shank

**p. 140**



Spanners

**p. 141**



Tool Holder  
Clamp CNC

**p. 141**



DUST  
Kinetic Dust  
Extractor

**NEW**

**s. 142**



EPDM  
Rope of Cellular  
Rubber Round

**p. 142**



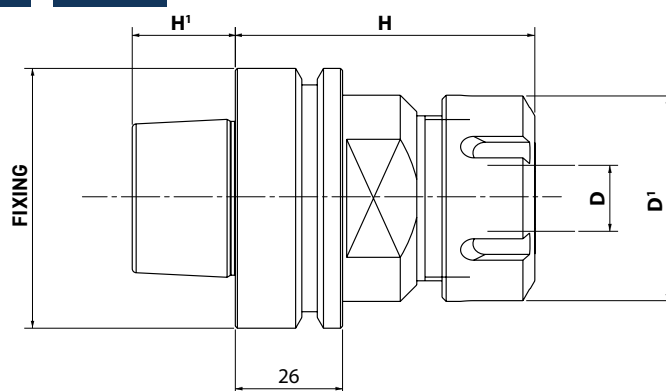
## Chuck HSK-63 for CNC machines

### HSK63F DIN 69893



**RH**

**LH**



#### Application:

For machines type: BIESSE®, EIMA®, HOMAG®, SCM®, IMA® (from 9/94), WEEKE®, DUBUS®, BUSELLATO®.

| FIXING | SLEEVES | D mm |      | D' mm | H mm | H' mm | ROTATION | ARTICLE    |
|--------|---------|------|------|-------|------|-------|----------|------------|
|        |         | min. | max. |       |      |       |          |            |
| HSK63F | ER32    | 3    | 20   | 50    | 73   | 25    | RH       | H6FPDX20 * |
| HSK63F | ER40    | 4    | 30   | 63    | 80   | 25    | RH       | H6FPDX26 * |
| HSK50F | ER32    | 3    | 20   | 50    | 65   | 20    | RH       | H5FPDX20BS |

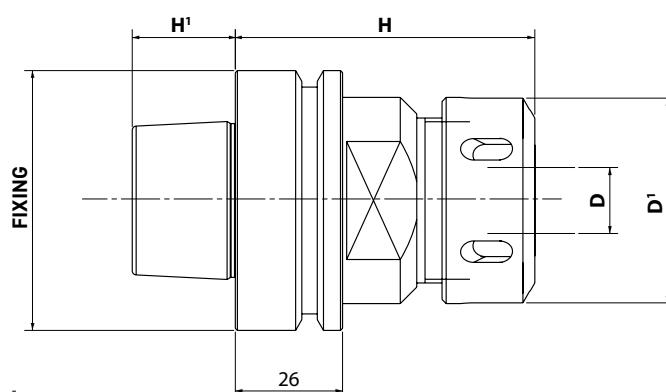
\* blind hole

### HSK63F with Bearing Nut



**RH**

**LH**



#### Application:

For machines type: BIESSE®, EIMA®, HOMAG®, SCM®, IMA® (from 9/94), WEEKE®, DUBUS®, BUSELLATO®.

| FIXING | SLEEVES | D mm |      | D' mm | H mm | H' mm | ROTATION | ARTICLE       |
|--------|---------|------|------|-------|------|-------|----------|---------------|
|        |         | min. | max. |       |      |       |          |               |
| HSK63F | ER32    | 3    | 20   | 50    | 73   | 25    | RH       | H6FPDX20.BN * |
| HSK63F | ER40    | 4    | 30   | 63    | 80   | 25    | RH       | H6FPDX26.BN * |
| HSK63F | EOC25   | 2    | 25   | 60    | 80   | 25    | RH       | H6FPDX25.BN * |
| HSK63F | EOC25   | 2    | 25   | 60    | 80   | 25    | RH       | H6FPDX25      |

\* blind hole

## Chuck HSK-63 for CNC machines

### HSK63F HYDRO

RH

LH



#### Advantages:

- Highest quality of fixing provides evenly work all knives together
- Lack of collets and fixing nuts are minimizing vibrations

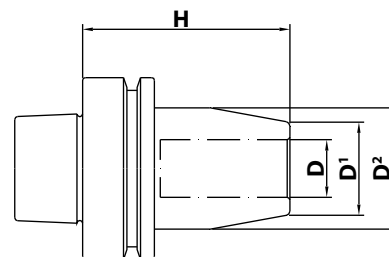
#### Application:

Precise HYDRO chuck offer exceptional precision and clamping stability, resulting in improved machining quality, reduced tool runout, and extended tool and spindle life. Additionally, their quick and easy clamping system helps to save time during machine setup and tool changes.

| D <sup>1</sup><br>mm | D <sup>2</sup><br>mm | D <sup>3</sup><br>mm | H <sup>1</sup><br>mm | H <sup>2</sup><br>mm | H <sup>3</sup><br>mm | H <sup>4</sup><br>mm | ARTICLE       |
|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|----------------------|---------------|
| 12                   | 22                   | 43,5                 | 75                   | 49                   | 18                   | 40                   | H6FPDXHYDRO12 |
| 16                   | 26                   | 48                   | 75                   | 49                   | 28                   | 50                   | H6FPDXHYDRO16 |
| 20                   | 30                   | 52                   | 75                   | 49                   | 30                   | 52                   | H6FPDXHYDRO20 |

### HSK63F SHRINK-FIT

RH  
LH



#### Advantages:

- Highest quality of fixing provides evenly work all knives together
- Lack of collets and fixing nuts are minimizing vibrations
- The power of clamp around 1300 Nm

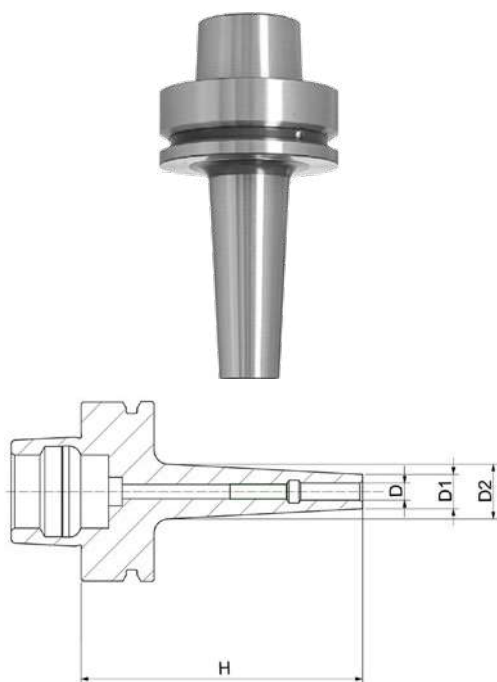
#### Application:

SHRINK-FIT tool holders provide high clamping force and excellent concentricity, which ensures vibration-free machining, precise cutting performance, and longer tool. Slimlim and balanced design also makes them ideal for hard-to-reach areas. To perform the tool replacement independently, dedicated equipment is required.

| FIXING | D<br>mm | D <sup>1</sup><br>mm | D <sup>2</sup><br>mm | H<br>mm | ROTATION | ARTICLE     |
|--------|---------|----------------------|----------------------|---------|----------|-------------|
| HSK63F | 6       | 21                   | 29                   | 76      | RH/LH    | H6FPDXTH06  |
| HSK63F | 8       | 21                   | 29                   | 76      | RH/LH    | H6FPDXTH08  |
| HSK63F | 10      | 24                   | 32                   | 76      | RH/LH    | H6FPDXTH10  |
| HSK63F | 12      | 24                   | 32                   | 76      | RH/LH    | H6FPDXTH12  |
| HSK63F | 16      | 27                   | 34                   | 76      | RH/LH    | H6FPDXTH16  |
| HSK63F | 20      | 33                   | 42                   | 76      | RH/LH    | H6FPDXTH020 |
| HSK63F | 25      | 44                   | 53                   | 76      | RH/LH    | H6FPDXTH025 |

## Chuck SHRINK-FIT SLIM extended body for CNC machines

### H6FPDX SHRINK-FIT SLIM



**RH**

**LH**

#### Advantages:

- Highest quality of fixing provides evenly work all knives together
- Lack of collets and fixing nuts are minimizing vibrations
- The power of clamp around 1300 Nm

#### Application:

SHRINK-FIT tool holders provide high clamping force and excellent concentricity, which ensures vibration-free machining, precise cutting performance, and longer tool life. To perform the tool replacement independently, dedicated equipment is required.

| FIXING | D <sup>1</sup><br>mm | D <sup>2</sup><br>mm | D <sup>3</sup><br>mm | H<br>mm | ROTATION | ARTICLE          |
|--------|----------------------|----------------------|----------------------|---------|----------|------------------|
| HSK63F | 6                    | 12                   | 19,3                 | 100     | RH/LH    | H6FPDXTH06.A100M |
| HSK63F | 6                    | 12                   | 24,8                 | 150     | RH/LH    | H6FPDXTH06.A150M |
| HSK63F | 6                    | 12                   | 29,7                 | 200     | RH/LH    | H6FPDXTH06.A200M |
| HSK63F | 8                    | 21                   | 28,3                 | 100     | RH/LH    | H6FPDXTH08.A100M |
| HSK63F | 8                    | 21                   | 33,5                 | 150     | RH/LH    | H6FPDXTH08.A150M |
| HSK63F | 8                    | 21                   | 38,7                 | 200     | RH/LH    | H6FPDXTH08.A200M |
| HSK63F | 10                   | 16                   | 23,2                 | 100     | RH/LH    | H6FPDXTH10.A100M |
| HSK63F | 10                   | 16                   | 28,5                 | 150     | RH/LH    | H6FPDXTH10.A150M |
| HSK63F | 10                   | 16                   | 33,7                 | 200     | RH/LH    | H6FPDXTH10.A200M |
| HSK63F | 12                   | 18                   | 25,3                 | 100     | RH/LH    | H6FPDXTH12.A100M |
| HSK63F | 12                   | 18                   | 30,5                 | 150     | RH/LH    | H6FPDXTH12.A150M |
| HSK63F | 12                   | 18                   | 35,7                 | 200     | RH/LH    | H6FPDXTH12.A200M |
| HSK63F | 16                   | 22                   | 29,26                | 100     | RH/LH    | H6FPDXTH16.A100M |
| HSK63F | 16                   | 22                   | 34,2                 | 150     | RH/LH    | H6FPDXTH16.A150M |
| HSK63F | 16                   | 22                   | 35                   | 200     | RH/LH    | H6FPDXTH16.A200M |
| HSK63F | 20                   | 26                   | 32,9                 | 100     | RH/LH    | H6FPDXTH20.A100M |
| HSK63F | 20                   | 26                   | 38,2                 | 150     | RH/LH    | H6FPDXTH20.A150M |
| HSK63F | 20                   | 26                   | 43,5                 | 200     | RH/LH    | H6FPDXTH20.A200M |
| HSK63F | 25                   | 31                   | 38,56                | 100     | RH/LH    | H6FPDXTH25.A100M |
| HSK63F | 25                   | 31                   | 43,7                 | 150     | RH/LH    | H6FPDXTH25.A150M |
| HSK63F | 25                   | 31                   | 46                   | 200     | RH/LH    | H6FPDXTH25.A200M |

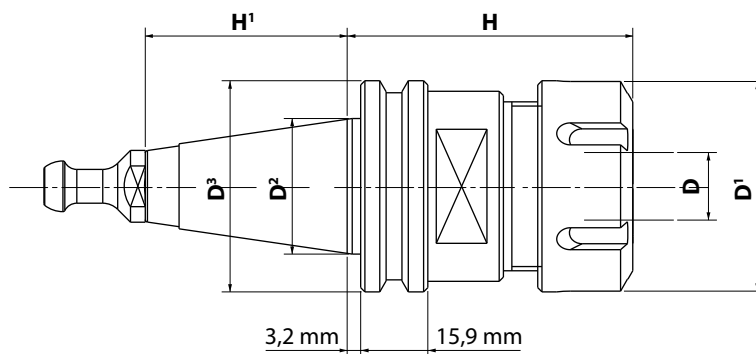


## Chuck ISO-30 for CNC machines

**ISO30**  
DIN 69871

**RH**

**LH**



### Application:

For CNC machines: BIESSE®, COSMEC®, MASTERWOOD®.

| FIXING | COLLET | D mm |      | D <sup>1</sup><br>mm | D <sup>2</sup><br>mm | D <sup>3</sup><br>mm | H<br>mm | H <sup>1</sup><br>mm | ROTATION | ARTICLE   |
|--------|--------|------|------|----------------------|----------------------|----------------------|---------|----------------------|----------|-----------|
|        |        | min. | max. |                      |                      |                      |         |                      |          |           |
| ISO 30 | ER32   | 3    | 20   | 50                   | 31,75                | 50                   | 50      | 47,8                 | RH       | B30PDX20  |
| ISO 30 | ER32   | 3    | 20   | 50                   | 31,75                | 50                   | 50      | 47,8                 | RH       | B30PDX20N |
| ISO 30 | ER40   | 4    | 30   | 63                   | 31,75                | 50                   | 57      | 47,8                 | RH       | B30PDX26  |

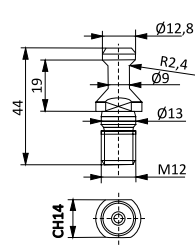
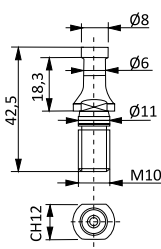
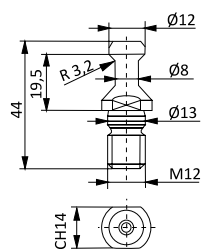
### Application:

For CNC machines: MORBIDELLI®, EIMA®, DUBUS®, WEEKE®.

| FIXING | COLLET | D mm |      | D <sup>1</sup><br>mm | D <sup>2</sup><br>mm | D <sup>3</sup><br>mm | H<br>mm | H <sup>1</sup><br>mm | ROTATION | ARTICLE  |
|--------|--------|------|------|----------------------|----------------------|----------------------|---------|----------------------|----------|----------|
|        |        | min. | max. |                      |                      |                      |         |                      |          |          |
| ISO 30 | ER32   | 3    | 20   | 50                   | 31,75                | 50                   | 68      | 47,8                 | RH       | I30PDX20 |
| ISO 30 | ER32   | 3    | 20   | 50                   | 31,75                | 50                   | 68      | 47,8                 | LH       | I30PSX20 |
| ISO 30 | ER40   | 4    | 30   | 63                   | 31,75                | 50                   | 68      | 47,8                 | RH       | I30PDX26 |
| ISO 30 | ER40   | 4    | 30   | 63                   | 31,75                | 50                   | 68      | 47,8                 | LH       | I30PSX26 |
| ISO 30 | EOC25  | 2    | 25   | 60                   | 31,75                | 50                   | 70      | 47,8                 | RH       | I30PDX25 |
| ISO 30 | EOC25  | 2    | 25   | 60                   | 31,75                | 50                   | 70      | 47,8                 | LH       | I30PSX25 |

## CDM/930

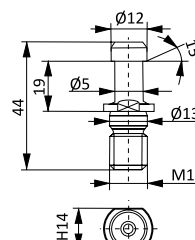
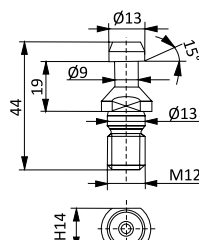
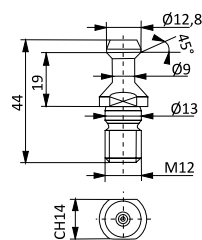
Pull Studs for ISO Chucks



| MACHINE TYPE                                        | ARTICLE  |
|-----------------------------------------------------|----------|
| BIESSE®, MASTERWOOD®, COSMEC®, ELETTROMANDRINI HSD® | CDM12BIE |

| MACHINE TYPE      | ARTICLE  |
|-------------------|----------|
| SCM®, MORBIDELLI® | CDM10SCM |

| MACHINE TYPE | ARTICLE  |
|--------------|----------|
| CMS®         | CDM12CMS |



| MACHINE TYPE                                        | ARTICLE  |
|-----------------------------------------------------|----------|
| ALBERTI®, MASTERWOOD®, ELETTROMANDRINI G®, COLOMBO® | CDM12ALB |

| MACHINE TYPE                                                                               | ARTICLE  |
|--------------------------------------------------------------------------------------------|----------|
| IMA®, MAK®, WEEKE®, BULLERI®, REICHENBACHER®, BUSELLATO®, ESSETEAM®, ELETTROMANDRINI ELTE® | CDM10SCM |

| MACHINE TYPE     | ARTICLE  |
|------------------|----------|
| ISO30DIN 7388/2A | 930TIR11 |

## HSK.63F/ISO.30

Universal Assembly Supports for Chucks



| INFO                                           | D mm | ARTICLE         |
|------------------------------------------------|------|-----------------|
| Universal assembly supports for chucks HSK-F63 | 63   | HSK.63F.Support |
| Universal assembly support for chucks ISO30    | 50   | ISO.30.Support  |

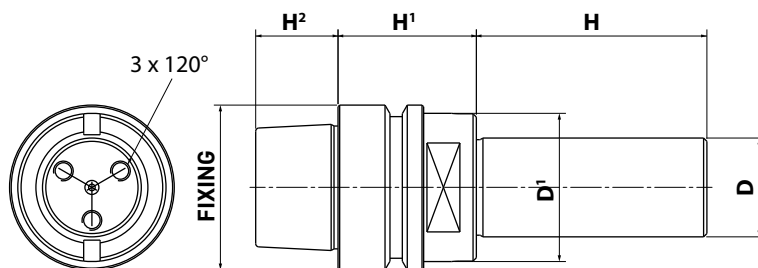
### Application:

Universal assembly supports for HSK-63F and ISO30 chucks.

Thanks to the bi-directional roller bearings, which clamp the left-hand rotation to the flange, the system offers the highest protection to the tool taper and clamps are no longer needed.

## HSK63F DIN 69893

RH  
LH



### Application:

For machines type: BIESSE, EIMA, HOMAG, SCM, IMA (from 9/94), WEEKE, DUBUS, BUSELLATO, MASTERWOOD®.

| FIXING | D<br>mm | D'<br>mm | H<br>mm | H'<br>mm | H²<br>mm | ARTICLE      |
|--------|---------|----------|---------|----------|----------|--------------|
| HSK63F | 30      | 45       | 70      | 42       | 25       | H6FAPF30.70  |
| HSK63F | 30      | 45       | 80      | 42       | 25       | H6FAPF30.80  |
| HSK63F | 30      | 45       | 100     | 42       | 25       | H6FAPF30.100 |
| HSK63F | 30      | 45       | 150     | 42       | 25       | H6FAPF30.150 |

### Spacer rings:

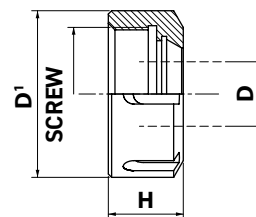
| D<br>mm | F<br>mm | I<br>mm | ARTICLE       |
|---------|---------|---------|---------------|
| 50      | 30      | 0,2     | TUL.50.30.002 |
| 50      | 30      | 0,5     | TUL.50.30.005 |
| 50      | 30      | 1       | TUL.50.30.01  |
| 50      | 30      | 2       | TUL.50.30.02  |
| 50      | 30      | 3       | TUL.50.30.03  |
| 50      | 30      | 5       | TUL.50.30.05  |
| 50      | 30      | 6       | TUL.50.30.06  |

## Extension for Precision Collets



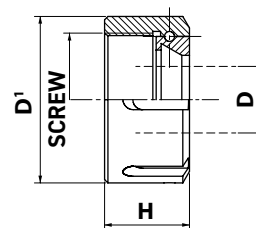
| FIXING | D mm | L mm | ARTICLE           |
|--------|------|------|-------------------|
| ER32   | 20   | 160  | 183.ER32.S20.160  |
| ER25M  | 25   | 160  | 183.ER25.S25.L160 |
| ER25M  | 20   | 200  | 183.ER25.S20.L200 |
| ER25M  | 20   | 160  | 183.ER25.S20.L160 |
| ER25M  | 20   | 100  | 183.ER25.S20.L100 |
| ER20   | 20   | 160  | 183.ER20.S20.L160 |
| ER16M  | 25   | 130  | 183.ER16.S25.L130 |
| ER16M  | 25   | 100  | 183.ER16.S25.L100 |
| ER16M  | 20   | 270  | 183.ER16.S20.L270 |
| ER16M  | 20   | 200  | 183.ER16.S20.L200 |
| ER16M  | 20   | 160  | 183.ER16.S20.L160 |
| ER16M  | 16   | 130  | 183.ER16.S16.L130 |
| ER16M  | 16   | 100  | 183.ER16.S16.L100 |
| ER11M  | 16   | 160  | 183.ER11.S16.L160 |
| ER11M  | 16   | 130  | 183.ER11.S16.L130 |

## Fixing Nuts for Chucks ISO/ HSK Standard DIN 6499



| COLLET | D mm |      | D <sup>1</sup> mm | H mm | SCREW   | ROTATION | ARTICLE  |
|--------|------|------|-------------------|------|---------|----------|----------|
|        | min. | max. |                   |      |         |          |          |
| ER32   | 3    | 20   | 50                | 22,5 | M40x1,5 | RH       | 932GHCOD |
| ER32   | 3    | 20   | 50                | 22,5 | M40x1,5 | LH       | 932GHCOS |

## Fixing Nuts for Chucks ISO/ HSK with bearing



| COLLET | D mm |      | D <sup>1</sup> mm | H mm | SCREW   | ROTATION | ARTICLE  |
|--------|------|------|-------------------|------|---------|----------|----------|
|        | min. | max. |                   |      |         |          |          |
| ER32   | 3    | 3    | 50                | 26   | M40x1,5 | RH       | 932GHRSD |
| ER32   | 3    | 3    | 50                | 26   | M40x1,5 | LH       | 932GHRSS |

## Precision Collets

### EOC16 DIN6388



| L<br>mm | D<br>mm | F<br>mm | ARTICLE  |
|---------|---------|---------|----------|
| 40      | 25,5    | 2       | EOC16D02 |
| 40      | 25,5    | 3       | EOC16D03 |
| 40      | 25,5    | 4       | EOC16D04 |
| 40      | 25,5    | 5       | EOC16D05 |
| 40      | 25,5    | 6       | EOC16D06 |
| 40      | 25,5    | 7       | EOC16D07 |
| 40      | 25,5    | 8       | EOC16D08 |
| 40      | 25,5    | 10      | EOC16D10 |
| 40      | 25,5    | 12      | EOC16D12 |
| 40      | 25,5    | 14      | EOC16D14 |
| 40      | 25,5    | 16      | EOC16D16 |

### EOC25 DIN6388



| L<br>mm | D<br>mm | F<br>mm | ARTICLE  |
|---------|---------|---------|----------|
| 52      | 35      | 3       | EOC25D03 |
| 52      | 35      | 6       | EOC25D06 |
| 52      | 35      | 8       | EOC25D08 |
| 52      | 35      | 10      | EOC25D10 |
| 52      | 35      | 12      | EOC25D12 |
| 52      | 35      | 16      | EOC25D16 |
| 52      | 35      | 20      | EOC25D20 |
| 52      | 35      | 25      | EOC25D25 |

### ER11 DIN6499



| L<br>mm | D<br>mm | F<br>mm | ARTICLE |
|---------|---------|---------|---------|
| 18      | 11,5    | 2       | ER11D02 |
| 18      | 11,5    | 3       | ER11D03 |
| 18      | 11,5    | 4       | ER11D04 |
| 18      | 11,5    | 5       | ER11D05 |
| 18      | 11,5    | 6       | ER11D06 |

### ER16 DIN6499



| L<br>mm | D<br>mm | F<br>mm | ARTICLE |
|---------|---------|---------|---------|
| 28      | 17      | 2       | ER16D02 |
| 28      | 17      | 3       | ER16D03 |
| 28      | 17      | 4       | ER16D04 |
| 28      | 17      | 5       | ER16D05 |
| 28      | 17      | 6       | ER16D06 |
| 28      | 17      | 7       | ER16D07 |
| 28      | 17      | 8       | ER16D08 |
| 28      | 17      | 9       | ER16D09 |
| 28      | 17      | 10      | ER16D10 |

## Precision Collets

### ER20

DIN6499



| L<br>mm | D<br>mm | F<br>mm | ARTICLE |
|---------|---------|---------|---------|
| 32      | 21      | 2       | ER20D02 |
| 32      | 21      | 3       | ER20D03 |
| 32      | 21      | 4       | ER20D04 |
| 32      | 21      | 5       | ER20D05 |
| 32      | 21      | 6       | ER20D06 |
| 32      | 21      | 7       | ER20D07 |
| 32      | 21      | 8       | ER20D08 |
| 32      | 21      | 9       | ER20D09 |
| 32      | 21      | 10      | ER20D10 |
| 32      | 21      | 11      | ER20D11 |
| 32      | 21      | 12      | ER20D12 |
| 32      | 21      | 13      | ER20D13 |

PCD & HM TOOLS

SOLID CARBIDE  
ROUTER BITS

PCD & VHM TOOLS FOR  
COMPOSITES

### ER25

DIN6499



| L<br>mm | D<br>mm | F<br>mm | ARTICLE |
|---------|---------|---------|---------|
| 34      | 26      | 10      | ER25D10 |
| 34      | 26      | 12      | ER25D12 |
| 34      | 26      | 16      | ER25D16 |

CHUCKS  
& ACCESSORIES

TOOLS FOR EDGEBANDING  
MACHINES

### ER32

DIN6499



| L<br>mm | D<br>mm | F<br>mm | ARTICLE |
|---------|---------|---------|---------|
| 40      | 33      | 3       | ER32D03 |
| 40      | 33      | 4       | ER32D04 |
| 40      | 33      | 6       | ER32D06 |
| 40      | 33      | 8       | ER32D08 |
| 40      | 33      | 10      | ER32D10 |
| 40      | 33      | 12      | ER32D12 |
| 40      | 33      | 14      | ER32D14 |
| 40      | 33      | 16      | ER32D16 |
| 40      | 33      | 20      | ER32D20 |

CIRCULAR SAW BLADES

DRILL BITS

STRAIGHT  
& SYSTEM KNIVES

### ER40

DIN6499



| L<br>mm | D<br>mm | F<br>mm | ARTICLE |
|---------|---------|---------|---------|
| 46      | 41      | 6       | ER40D06 |
| 46      | 41      | 10      | ER40D10 |
| 46      | 41      | 12      | ER40D12 |
| 46      | 41      | 20      | ER40D20 |
| 46      | 41      | 25      | ER40D25 |

STARTER KITS

## Chucks for CNC machines

### HSK63F SBA.H6F



**RH**  
**LH**

#### Advantages:

- High precision, extreme reliability and perfect tool centering
- Made of very high strength special steel, precision ground on all mating surfaces
- Very high transmissible power

#### Application:

Precise HSK Chuck for grooving blade specifically designed for right or left-hand rotation with self-locking antagonist threads.

| FIXING | D<br>mm | B<br>mm | L<br>mm | PH      | ARTICLE        | MAX SAW BLADE<br>DIAMETER mm |
|--------|---------|---------|---------|---------|----------------|------------------------------|
| HSK63F | 59      | 30      | 78      | 4/M6/48 | SBA.H6F.30.250 | 250                          |
| HSK63F | 98      | 30      | 94      | 6/M6/80 | SBA.H6F.30.300 | 300                          |
| HSK63F | 110     | 30      | 40      | 6/M6/80 | SBA.H6F.30.350 | 350                          |

### SBA.S20

#### Saw Blade Arbor with Parallel Shank

**RH**

**LH**



#### Advantages:

- Extreme precision and reliability
- Perfect tool centering and defect-free rotation
- Made from extremely high resistant steel
- Precision grinding on all jointed parts
- Extreme high rotation performance > 15 HP – 20.000 RPM
- For very efficient sizing on extreme unprecedented high feed speed
- Excellent finishing quality on the workpiece and longer tool life
- Sturdy design with reduced height to increase the work space between the machine and the piece.
- Interchangeable collet clamps with radial grooves for secure parallel tool clamping and wide clamping tolerance (-0.7mm)

#### Application:

Saw blade arbor with parallel shank for machining centres, point-to-point machines and CNC routers.

#### Safety tips:

The TW-006 TORQUE SCREWDRIVER is recommended for the proper fastening of screws.

| S<br>mm | D<br>mm | B<br>mm | L<br>mm | PH      | ARTICLE        | MAX SAW BLADE<br>DIAMETER mm |
|---------|---------|---------|---------|---------|----------------|------------------------------|
| 20      | 59      | 30      | 97,5    | 4/M6/48 | SBA.S20.30.250 | 250                          |

#### Spare parts:

990.116.00 – SCREWS M6x8.7x12 TSPEI

991.064.00 – SPANNER 4mm

## Spanners

### 991 CNC Spanners



| INFO       | W            | ARTICLE    |
|------------|--------------|------------|
| C-SPANNERS | 45 – 50      | 991.123.00 |
| C-SPANNERS | 58 – 62 – 65 | 991.283.00 |

### 993/940 CNC Spanners



| ER/ETS | ARTICLE  |
|--------|----------|
| 32     | 932CHVST |
| 40     | 940CHVST |

### 925 CNC Spanners



| EOC | ARTICLE  |
|-----|----------|
| 25  | 925CHVOC |

### 940 Dynamometric spanners



| MOCOWANIE | ARTICLE        |
|-----------|----------------|
| ER40/ETS  | 940CHVST.DYN   |
| ER32/ETS  | 932CHVST.DYN   |
| ER25/ETC  | 925CHVST.DYN   |
| EOC25     | 925CHVOC.DYN.M |

### I30.CNC.BIE Tool Holder Clamp CNC



#### Application:

Tool holder clamp for BIESSE machines.

| INFO                                   | ARTICLE     |
|----------------------------------------|-------------|
| Tool Holder Clamp SK30 BIESSE machines | I30.CNC.BIE |



## DUST

### Kinetic Dust Extractor with Precision Collets



**RH**

#### Advantages:

- Fixing collet made of steel
- The unique arrangement and geometry of the blades cause the chip to be thrown upwards directly into the extraction unit
- The shape of the blades reduces the noise generated during operation
- Very easy to use
- Increases tool life and reduces production costs
- Recommended for nesting and routing operations
- Replaces the standard clamping nut
- Suitable for any collet chucks with standard router bits
- Available for: ER32, ER40, EOC25 collets

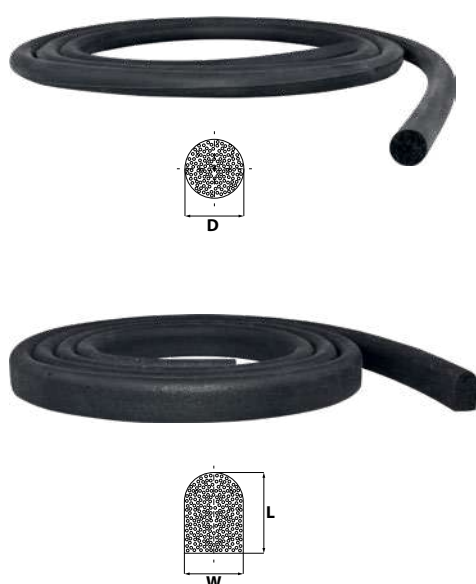
| INFO                                  | ARTICLE    |
|---------------------------------------|------------|
| Kinetic dust extractor – collet EOC25 | EOC25.DUST |
| Kinetic dust extractor – collet ER40  | ER40.DUST  |
| Kinetic dust extractor – collet ER32  | ER32.DUST  |

#### Spare parts:

**WR.DUST – CNC SPANNER**

## EPDM

### Rope of Cellular Rubber Round



#### Application:

For template production, sealing grid tables, seals in machines with console tables.

| D<br>mm | ARTICLE |
|---------|---------|
| 6       | EPDM06  |
| 7       | EPDM07  |
| 8       | EPDM08  |

| W x L<br>mm | ARTICLE  |
|-------------|----------|
| 6 x 10      | EPDM6X10 |
| 6 x 8       | EPDM6X8  |
| 6 x 10      | EPDM6X10 |



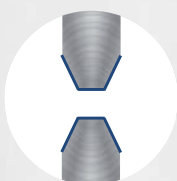
# CUTTING PROCESS



# TCT CIRCULAR SAW BLADES

ITA TOOLS production

Improved body provides greater rigidity and stability during cutting.



Chamfered bore makes it easier to change the concealing tool.



The tooth thickness of 3.5 mm allows for multiple sharpening, which extends the tool's service life.



Laser-cut soundproofing translates into significantly quieter operation.



Carbide supplied by CERATIZIT, in combination with the appropriate tooth profile increases the service life of the saws and improves the quality of processing.



# DIAMOND SCORING BLADE

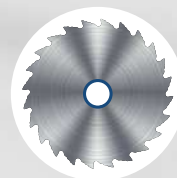
ITA TOOLS production



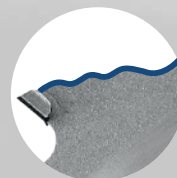
PCD teeth sharpened with an innovative **laser ablation method**. The previously unseen sharpness of the teeth translates into an ideal surface of the processed material.



**Improved construction of the compensation groove** reduces vibrations and ensures quieter operation.



The **H7 hole tolerance** reduces runout, which has a positive effect on improving cutting quality.



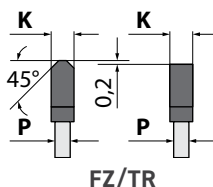
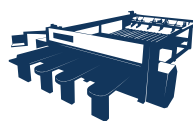
**Special tooth support construction** enhances chip evacuation and strengthens the HM/PCD insert at the joint with the scoring blade body.



Increased capacity of the notch by 20% compared to its traditional shape.

PCD – 50 time longer service life than Carbide

## DSA



### Application:

- High of PCD tips H6 or H8
- Longer lifetime compared to HM saw blades
- Cutting laminated panels without chipping thanks to work with scoring saw blade
- Very good lifetime/price ratio

### Machines:

Beam saws.

### Materials:



RAW MDF



LAMINATED  
MDF



RAW  
CHIPBOARD



LAMINATED  
CHIPBOARD



PLYWOOD



LAMINATED  
PLYWOOD

| D<br>mm | F<br>mm | PH       | Z  | K<br>mm | P<br>mm | MACHINES          | ARTICLE PCD H6    | ARTICLE PCD H8    |
|---------|---------|----------|----|---------|---------|-------------------|-------------------|-------------------|
| 300     | 30      | PH03     | 72 | 4,4     | 3,2     | PANHANS®, FELDER® | DSA.300030072.056 | DSA.300030072.058 |
| 300     | 60      | PH04     | 72 | 4,4     | 3,2     | HOMAG®            | DSA.300060072.006 | DSA.300060072.008 |
| 300     | 80      | PH01     | 72 | 4,4     | 3,2     | SCM®              | DSA.300080072.006 | DSA.300080072.008 |
| 300     | 30      | PH03     | 60 | 4,4     | 3,2     | PANHANS®, FELDER® | DSA.300030060.016 | DSA.300030060.018 |
| 300     | 80      | PH01     | 60 | 4,4     | 3,2     | SCM®              | DSA.300080060.006 | DSA.300080060.008 |
| 310     | 60      | 2/14/100 | 72 | 4,4     | 3,2     | HOMAG®            | DSA.310060072.006 | DSA.310060072.008 |
| 320     | 30      | PH03     | 60 | 4,4     | 3,2     | FELDER®           | DSA.320030060.006 | DSA.320030060.008 |
| 320     | 30      | PH03     | 72 | 4,4     | 3,2     | FELDER®, MAYER®   | DSA.320030072.006 | DSA.320030072.008 |
| 320     | 65      | PH05     | 60 | 4,4     | 3,2     | SELCO®            | DSA.320065060.006 | DSA.320065060.008 |
| 320     | 65      | PH05     | 72 | 4,4     | 3,2     | SELCO®            | DSA.320065072.016 | DSA.320065072.018 |
| 320     | 80      | PH01     | 72 | 4,4     | 3,2     | SCM®              | DSA.320080072.006 | DSA.320080072.008 |

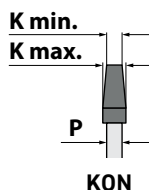
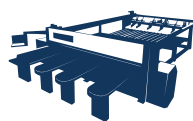
Table continued on the next page ►

## Main Saw Blades for Panel Sizing Machines

| D<br>mm | F<br>mm | PH                | Z  | K<br>mm | P<br>mm | MACHINES                                                | ARTICLE PCD H6    | ARTICLE PCD H8    |
|---------|---------|-------------------|----|---------|---------|---------------------------------------------------------|-------------------|-------------------|
| 320     | 80      | 4/9/100+2/14/110  | 60 | 4,4     | 3,2     | SCM®                                                    | DSA.320080060.006 | DSA.320080060.008 |
| 340     | 80      | PH01              | 72 | 4,4     | 3,2     | SCM®                                                    | DSA.340080072.006 | DSA.340080072.008 |
| 350     | 30      | PH03 + 2/13/94    | 72 | 4,4     | 3,2     | PANHANS®,<br>SCHELLING®, MAYER®,<br>HOLZ-HER®, PAOLONI® | DSA.350030072.016 | DSA.350030072.018 |
| 350     | 60      | PH04              | 72 | 4,4     | 3,2     | HOLZMA®                                                 | DSA.350060072.006 | DSA.350060072.008 |
| 350     | 75      | PH02              | 72 | 4,4     | 3,2     | HOLZMA®                                                 | DSA.350075072.006 | DSA.350075072.008 |
| 350     | 80      | PH01              | 72 | 4,4     | 3,2     | GABBIANI®, SCM®                                         | DSA.350080072.006 | DSA.350080072.008 |
| 360     | 65      | PH05 + 2/9/95     | 72 | 4,4     | 3,2     | SELCO®                                                  | DSA.360065072.006 | DSA.360065072.008 |
| 380     | 60      | 2/14/100+2/14/125 | 72 | 4,8     | 3,5     | HOLZMA®                                                 | DSA.380060072.006 | DSA.380060072.008 |
| 380     | 60      | PH04              | 72 | 4,4     | 3,2     | HOLZMA®                                                 | DSA.380060072.016 | DSA.380060072.018 |
| 380     | 65      | PH04 + 2/9/110    | 72 | 4,4     | 3,2     | SELCO®                                                  | DSA.380065072.016 | DSA.380065072.018 |
| 380     | 80      | PH01              | 72 | 4,4     | 3,2     | SCM®                                                    | DSA.380080072.006 | DSA.380080072.008 |
| 380     | 30      | PH03+2/8/83       | 72 | 4,4     | 3,2     | HOLZ-HER®                                               | DSA.380030072.006 | DSA.380030072.008 |
| 400     | 30      | PH03+2/13/94      | 72 | 4,4     | 3,2     | PANHANS®, SCHEER®<br>SCHELLING®, MAYER®<br>HOLZ-HER®    | DSA.400030072.006 | DSA.400030072.008 |
| 400     | 65      | PH05              | 72 | 4,4     | 3,2     | SELCO®                                                  | DSA.400065072.006 | DSA.400065072.008 |
| 400     | 75      | PH02 + 2/7/110    | 72 | 4,4     | 3,2     | GIBEN®, HOMAG®                                          | DSA.400075072.006 | DSA.400075072.008 |
| 400     | 80      | PH01              | 72 | 4,4     | 3,2     | SELCO®, GABBIANI®                                       | DSA.400080072.026 | DSA.400080072.028 |
| 420     | 80      | PH01              | 72 | 4,4     | 3,2     | SCM®                                                    | DSA.420080072.006 | DSA.420080072.008 |
| 430     | 65      | PH05              | 72 | 4,4     | 3,2     | SELCO®                                                  | DSA.430065072.006 | DSA.430065072.008 |
| 430     | 80      | PH01              | 72 | 4,4     | 3,2     | SELCO®                                                  | DSA.430080072.006 | DSA.430080072.008 |
| 450     | 30      | 2/10/60+2/13/94   | 72 | 4,4     | 3,2     | SCM®, SCHELLING®,<br>MAYER®                             | DSA.450030072.006 | DSA.450030072.008 |
| 450     | 60      | 2/14/125          | 72 | 4,8     | 3,5     | HOLZMA®                                                 | DSA.450060072.006 | DSA.450060072.008 |
| 450     | 75      | PH02 + 2/7/110    | 72 | 4,4     | 3,2     | MASTERWOOD®                                             | DSA.450075072.006 | DSA.450075072.008 |
| 450     | 80      | PH01              | 72 | 4,4     | 3,2     | GABBIANI®, SCM®                                         | DSA.450080072.046 | DSA.450080072.048 |
| 460     | 30      | 2/10/60+ 2/13/94  | 72 | 4,4     | 3,2     | SCHELLING®                                              | DSA.460030072.006 | DSA.460030072.008 |
| 480     | 30      | 2/10/60+ 2/13/94  | 72 | 4,4     | 3,2     | SCHELLING®                                              | DSA.480030072.006 | DSA.480030072.008 |
| 520     | 60      | COMBI7            | 72 | 4,8     | 3,5     | HOLZMA®                                                 | DSA.520060072.006 | DSA.520060072.008 |
| 520     | 70      | 4/11/130          | 72 | 4,8     | 3,5     | SELCO®                                                  | DSA.520070072.006 | DSA.520070072.008 |
| 530     | 80      | PH01              | 72 | 4,8     | 3,5     | SCM®                                                    | DSA.530080072.006 | DSA.530080072.008 |



## DSB conical



### Features and benefits:

- High of PCD tips H4 or H6
- Longer lifetime compared to HM scoring saw blades
- Undercutting laminated panels without chipping
- Very good lifetime/price ratio

### Application:

For chip-free scoring of plastic-laminated panels; increased tool life up to 50 times longer than HW blades.

### Machines:

Beam saws.

### Materials:



LAMINATED  
PLYWOOD



LAMINATED  
MDF



LAMINATED  
CHIPBOARD

| D<br>mm | F<br>mm | PH         | Z  | K<br>mm | P<br>mm | PCD H<br>mm | MACHINES               | ARTICLE           |
|---------|---------|------------|----|---------|---------|-------------|------------------------|-------------------|
| 150     | 20      | -          | 36 | 4,3-5,2 | 3,2     | H4          | FELDER®, MAYER®        | DSB.150020036.004 |
| 150     | 30      | -          | 36 | 4,3-5,2 | 3,2     | H4          | SCM®, STETON®, FELDER® | DSB.150030036.004 |
| 150     | 30      | -          | 36 | 4,3-5,5 | 3,2     | H6          | SCM®, STETON®, FELDER® | DSB.150030036.006 |
| 160     | 55      | PH:3/7/66  | 36 | 4,3-5,2 | 3,2     | H4          | GABBIANI, SCM®         | DSB.160055036.004 |
| 160     | 55      | PH:3/7/66  | 36 | 4,3-5,6 | 3,2     | H6          | GABBIANI, SCM®         | DSB.160055036.006 |
| 180     | 30      | PH:2/10/60 | 36 | 4,3-5,2 | 3,2     | H4          | PANHANS®, HOLZ-HER®    | DSB.180030036.004 |
| 180     | 30      | PH:2/10/60 | 36 | 4,3-5,5 | 3,2     | H6          | PANHANS®, HOLZ-HER®    | DSB.180030036.006 |
| 180     | 45      | PH:2/10/60 | 36 | 4,3-5,2 | 3,2     | H4          | HOLZMA®                | DSB.180045036.004 |
| 180     | 45      | PH:2/10/60 | 36 | 4,3-5,5 | 3,2     | H6          | HOLZMA®                | DSB.180045036.006 |
| 180     | 45      | -          | 36 | 4,7-5,6 | 3,5     | H4          | HOLZMA®                | DSB.180045036.014 |
| 180     | 45      | -          | 36 | 4,7-5,8 | 3,5     | H6          | HOLZMA®                | DSB.180045036.016 |
| 200     | 20      | PH:2/11/66 | 36 | 4,3-5,2 | 3,2     | H4          | SCHELLING®             | DSB.200020036.004 |

Table continued on the next page ►

## PCD Scoring Blades for Panel Sizing Machines

| D<br>mm | F<br>mm | PH                              | Z  | K<br>mm | P<br>mm | PCD H<br>mm | MACHINES          | ARTICLE           |
|---------|---------|---------------------------------|----|---------|---------|-------------|-------------------|-------------------|
| 200     | 20      | PH:2/11/66                      | 36 | 4,3-5,5 | 3,2     | H6          | SCHELLING®        | DSB.200020036.006 |
| 200     | 30      | PH:2/10/60 + 2/14/110           | 36 | 4,3-5,2 | 3,2     | H4          | SCHEER®           | DSB.200030036.004 |
| 200     | 45      | PH:2/10/60                      | 36 | 4,3-5,2 | 3,2     | H4          | HOLZMA®           | DSB.200045036.004 |
| 200     | 45      | -                               | 36 | 4,3-5,5 | 3,2     | H6          | HOLZMA®           | DSB.200045036.006 |
| 200     | 45      | -                               | 36 | 4,7-5,6 | 3,5     | H4          | HOLZMA®           | DSB.200045036.014 |
| 200     | 45      | -                               | 36 | 4,7-5,8 | 3,5     | H6          | HOLZMA®           | DSB.200045036.016 |
| 200     | 50      | PH:2/7/80                       | 36 | 4,3-5,2 | 3,2     | H4          | KDT®, MASTERWOOD® | DSB.200050036.014 |
| 200     | 50      | PH:2/7/80                       | 36 | 4,3-5,5 | 3,2     | H6          | MASTERWOOD®       | DSB.200050036.026 |
| 200     | 65      | PH05                            | 36 | 4,3-5,2 | 3,2     | H4          | SELCO®            | DSB.200065036.004 |
| 200     | 65      | PH05                            | 36 | 4,3-5,5 | 3,2     | H6          | SELCO®            | DSB.200065036.006 |
| 200     | 80      | PH:2/14/110                     | 36 | 4,3-5,2 | 3,2     | H4          | GABBIANI®         | DSB.200080036.004 |
| 200     | 80      | PH:2/14/110                     | 36 | 4,3-5,5 | 3,2     | H6          | GABBIANI®         | DSB.200080036.006 |
| 280     | 30      | 2/10/60+2/14/110                | 48 | 4,3     | 5,2     | H4          | FELDER®, MAYER®   | DSB.280030048.004 |
| 300     | 30      | PH:2/10/60 + 2/14/110 + 2/13/94 | 48 | 4,3-5,2 | 3,2     | H4          | SCHELLING®        | DSB.300030048.004 |
| 300     | 30      | PH:2/10/60 + 2/14/110 + 2/13/94 | 48 | 4,3-5,5 | 3,2     | H6          | SCHELLING®        | DSB.300030048.006 |
| 300     | 65      | PH:2/9/100 + 2/9/110 + 2/14/110 | 48 | 4,3-5,2 | 3,2     | H4          | SELCO®            | DSB.300065048.004 |
| 300     | 80      | 2/14/110                        | 48 | 4,3     | 5,5     | H6          | FELDER®, MAYER®   | DSB.300080048.006 |

PCD &amp; HM TOOLS

SOLID CARBIDE  
ROUTER BITSPCD & VHM TOOLS FOR  
COMPOSITESCHUCKS  
& ACCESSORIESTOOLS FOR EDGEBANDING  
MACHINES

CIRCULAR SAW BLADES

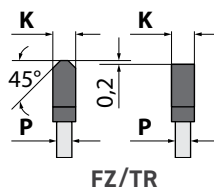
DRILL BITS

STRAIGHT  
& SYSTEM KNIVES

STARTER KITS



## DSA

**Features and benefits:**

- High of PCD tips H4 or H6
- Longer lifetime compared to HM scoring saw blades
- Cutting laminated panels without chipping thanks to working with scoring blade
- Very good lifetime/price ratio

**Machines:**

Table saws, format saws.

**Materials:**

RAW MDF

LAMINATED  
MDFRAW  
CHIPBOARDLAMINATED  
CHIPBOARD

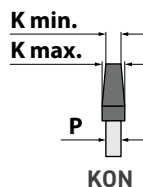
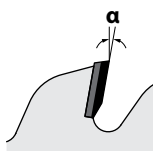
PLYWOOD

LAMINATED  
PLYWOOD

HPL

| D<br>mm | F<br>mm | Z  | K<br>mm | P<br>mm | PH<br>mm | PCD H4<br>mm      | PCD H6<br>mm      |
|---------|---------|----|---------|---------|----------|-------------------|-------------------|
| 250     | 30      | 48 | 3,2     | 2,2     | PH03     | DSA.250030048.004 | DSA.250030048.006 |
| 250     | 30      | 60 | 3,2     | 2,2     | PH03     | DSA.250030060.004 | DSA.250030060.006 |
| 250     | 30      | 80 | 3,2     | 2,2     | PH03     | DSA.250030080.004 | DSA.250030080.006 |
| 300     | 30      | 60 | 3,2     | 2,2     | PH03     | DSA.300030060.004 | DSA.300030060.006 |
| 300     | 30      | 72 | 3,2     | 2,2     | PH03     | DSA.300030072.004 | DSA.300030072.006 |
| 300     | 30      | 96 | 3,2     | 2,2     | PH03     | DSA.300030096.004 | DSA.300030096.006 |
| 350     | 30      | 72 | 3,5     | 2,4     | PH03     | DSA.350030072.004 | DSA.350030072.006 |

## DSB conical



### Application:

For chip-free scoring of plastic-laminated panels; increased tool life up to 50 times longer than HW blades.

### Machines:

Table saws, format saws.

### Materials:



LAMINATED  
PLYWOOD



LAMINATED  
MDF

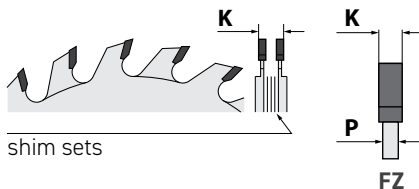


LAMINATED  
CHIPBOARD

| D<br>mm | F<br>mm | Z  | K<br>mm | P<br>mm | α  | PCD H<br>mm | ARTICLE           |
|---------|---------|----|---------|---------|----|-------------|-------------------|
| 80      | 20      | 12 | 3,0-4,0 | 2,2     | 0° | H4          | DSB.080020012.004 |
| 100     | 20      | 20 | 3,0-4,0 | 2,5     | 0° | H4          | DSB.100020020.004 |
| 100     | 22      | 20 | 3,0-4,0 | 2,5     | 0° | H4          | DSB.100022020.004 |
| 120     | 20      | 24 | 3,0-4,0 | 2,5     | 8° | H4          | DSB.120020024.004 |
| 120     | 20      | 24 | 3,0-4,0 | 2,5     | 8° | H6          | DSB.120020024.006 |
| 120     | 22      | 24 | 3,0-4,0 | 2,5     | 8° | H4          | DSB.120022024.004 |
| 125     | 20      | 24 | 3,0-4,0 | 2,5     | 8° | H4          | DSB.125020024.004 |
| 125     | 20      | 24 | 3,0-4,0 | 2,5     | 8° | H6          | DSB.125020024.006 |
| 125     | 22      | 24 | 3,0-4,0 | 2,5     | 8° | H4          | DSB.125022024.004 |
| 125     | 22      | 24 | 3,0-4,0 | 2,5     | 8° | H6          | DSB.125022024.006 |

## Adjustable PCD Scoring Blades

### DSC adjustable



#### Appliation:

For chip-free scoring on plastic-laminated panels. To ensure the quality of the edges of the cut material. Control with spacers allows perfect adjustment to the kerf of the main saw, service life up to 50 times longer compared to HM scoring saws, very good value lifetime to price.

#### Machines:

Table saws, format saws.

#### Materials:



LAMINATED  
PLYWOOD



LAMINATED  
MDF

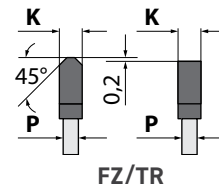
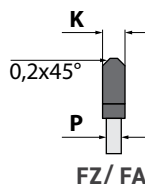
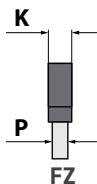


LAMINATED  
CHIPBOARD

| D<br>mm | F<br>mm | Z     | K<br>mm | P<br>mm | $\alpha$ | PCD H<br>mm | ARTICLE            |
|---------|---------|-------|---------|---------|----------|-------------|--------------------|
| 80      | 20      | 10+10 | 2,8-3,6 | 2,2     | 10°      | H4          | DSC.080020020.004  |
| 100     | 20      | 10+10 | 2,8-3,6 | 2,2     | 10°      | H4          | DSC.100020020.004  |
| 120     | 20      | 12+12 | 2,8-3,6 | 2,2     | 10°      | H4          | DSC.120020024.004  |
| 120     | 20      | 12+12 | 2,8-3,6 | 2,2     | 10°      | H6          | DSC.120020024.006  |
| 120     | 22      | 12+12 | 2,8-3,6 | 2,2     | 10°      | H4          | DSC.120022024.004  |
| 120     | 22      | 12+12 | 2,8-3,6 | 2,2     | 10°      | H6          | DSC.120022024.006  |
| 125     | 50      | 12+12 | 2,8-3,6 | 2,2     | 5°       | H4          | DSC.125050024.004* |
| 125     | 20      | 12+12 | 2,8-3,6 | 2,2     | 10°      | H4          | DSC.125020024.004  |
| 125     | 20      | 12+12 | 2,8-3,6 | 2,2     | 10°      | H6          | DSC.125020024.006  |
| 125     | 22      | 12+12 | 2,8-3,6 | 2,2     | 10°      | H4          | DSC.125022024.004  |

\* for ALTENDORF RAPIDO®

## DSR/DSN



### Application:

For grooving and cutting materials such as MDF, HDF, plywood, veneered materials or not, covered with paper veneer or laminate. Very good price-life ratio.

### Machines:

CNC machines, tenoner, edge banding machine.

### Materials:



RAW MDF



LAMINATED  
MDF



RAW  
CHIPBOARD



LAMINATED  
CHIPBOARD



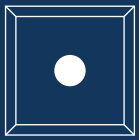
PLYWOOD



LAMINATED  
PLYWOOD

| D<br>mm | F<br>mm | PH | Z  | K<br>mm | TOOTH<br>CONF. | PCD H<br>mm | Machines     | ARTICLE           |
|---------|---------|----|----|---------|----------------|-------------|--------------|-------------------|
| 100     | 20      | -  | 24 | 3,2     | FP             | 6           | VITAP POINT® | DSR.100020024.036 |
| 100     | 20      | -  | 24 | 4       | FP             | 6           | VITAP POINT® | DSR.100020024.026 |
| 100     | 30      | -  | 24 | 3,2     | FP             | 6           | -            | DSR.100030024.046 |
| 100     | 30      | -  | 24 | 3,2     | FP             | 6           | -            | DSR.100030024.034 |
| 100     | 30      | -  | 24 | 4       | FP             | 6           | -            | DSR.100030024.016 |
| 100     | 30      | -  | 24 | 4       | FP             | 6           | -            | DSR.100030024.116 |
| 100     | 30      | -  | 24 | 3,6     | NSF            | 6           | -            | DSN.100030024.116 |
| 100     | 30      | -  | 24 | 3,2     | FP             | 4           | -            | DSR.100030024.044 |
| 100     | 30      | -  | 24 | 4       | FP             | 4           | -            | DSR.100030024.014 |
| 100     | 20      | -  | 24 | 3,2     | FP             | 4           | -            | DSR.100020024.034 |
| 100     | 20      | -  | 24 | 4       | FP             | 4           | -            | DSR.100020024.024 |
| 100     | 20      | -  | 24 | 3,6     | FP             | 6           | -            | DSR.100020024.016 |
| 100     | 20      | -  | 24 | 3,6     | FP             | 4           | -            | DSR.100020024.014 |

| D<br>mm | F<br>mm | PH                                          | Z  | K<br>mm | TOOTH<br>CONF. | PCD H<br>mm | Machines                | ARTICLE           |
|---------|---------|---------------------------------------------|----|---------|----------------|-------------|-------------------------|-------------------|
| 100     | 30      | 4/M5/48 LH + 4/M5/48 RH                     | 24 | 3,6     | NSF            | 6           | HOMAG®,<br>WEEKE®, BHX® | DSN.100030024.016 |
| 100     | 30      | 4/M5/48 LH + 4/M5/48 RH                     | 24 | 3,6     | NSF            | 4           | HOMAG®,<br>WEEKE®, BHX® | DSN.100030024.014 |
| 120     | 35      | 4/M5/50 RH + 4/M5/50<br>LH                  | 30 | 4       | FP             | 6           | BIESSE®,<br>ROVER®      | DSR.120035030.046 |
| 120     | 35      | 4/M5/50 RH + 4/M5/50<br>LH                  | 30 | 3,2     | FP             | 6           | BIESSE®,<br>ROVER®      | DSR.120035030.106 |
| 120     | 35      | 4/M5/50 RH + 4/M5/50<br>LH                  | 30 | 3,5     | FP             | 6           | BIESSE®,<br>ROVER®      | DSR.120035030.006 |
| 120     | 30      | -                                           | 24 | 3,6     | PR             | 6           | -                       | DSR.120030024.046 |
| 120     | 30      | -                                           | 24 | 3,2     | PR             | 6           | -                       | DSR.120030024.056 |
| 120     | 35      | 4/M5/50 RH + 4/M5/50<br>LH                  | 30 | 4       | FP             | 4           | BIESSE®,<br>ROVER®      | DSR.120035030.044 |
| 120     | 35      | 4/M5/50 RH + 4/M5/50<br>LH                  | 30 | 3,5     | PR             | 4           | BIESSE®,<br>ROVER®      | DSR.120035030.004 |
| 120     | 30      | -                                           | 24 | 4       | PR             | 6           | -                       | DSR.120030024.036 |
| 120     | 20      | 3/M4/35 LH + 3/M4/35<br>RH                  | 36 | 3,2     | FP             | 6           | SCM®, CYFLEX®           | DSR.120020036.036 |
| 120     | 20      | 3/M4/35 LH + 3/M4/35 RH                     | 24 | 4       | PF             | 6           | SCM®, CYFLEX®           | DSR.120020024.026 |
| 120     | 20      | 3/M4/35 LH + 3/M4/35 RH                     | 24 | 4       | PR             | 4           | SCM®, CYFLEX®           | DSR.120020024.024 |
| 120     | 20      | 3/M4/35 LH + 3/M4/35<br>RH                  | 24 | 3,2     | FP             | 4           | SCM®, CYFLEX®           | DSR.120020024.014 |
| 120     | 20      | 3/M4/35 LH + 3/M4/35 RH                     | 24 | 3,6     | NSF            | 6           | SCM®, CYFLEX®           | DSN.120020024.016 |
| 125     | 20      | 3/M5/35 LH + 3/M5/35<br>RH                  | 36 | 3,2     | FP             | 6           | SCM®,<br>MORBIDELLI®    | DSR.125020036.016 |
| 125     | 20      | 3/M5/35 LH + 3/M5/35<br>RH                  | 36 | 3,6     | FP             | 6           | SCM®,<br>MORBIDELLI®    | DSR.125020036.046 |
| 125     | 50      | 4/5,5-10sv./72 RH + 4/5,5-<br>10sv./72 LH   | 24 | 4       | FP             | 6           | -                       | DSR.125050024.006 |
| 125     | 30      | 4/M5/48 LH + 4/M5/48 RH                     | 36 | 3,5     | FP             | 6           | HOMAG®,<br>WEEKE®, BHX® | DSR.125030036.046 |
| 125     | 30      | 4/M5/48 LH + 4/M5/48 RH                     | 36 | 3,2     | FP             | 6           | HOMAG®,<br>WEEKE®, BHX® | DSR.125030036.036 |
| 125     | 30      | 4/M5/48 LH + 4/M5/48 RH                     | 36 | 4       | FP             | 6           | HOMAG®,<br>WEEKE®, BHX® | DSR.125030036.006 |
| 125     | 30      | -                                           | 24 | 4       | PR             | 6           | -                       | DSR.125030024.086 |
| 125     | 20      | 3/M5/35 LH + 3/M5/35<br>RH                  | 36 | 3,2     | FP             | 4           | SCM®,<br>MORBIDELLI®    | DSR.125020036.014 |
| 150     | 30      | 4/M6/48 LH + 4/M6/48 RH                     | 36 | 4       | PR             | 6           | HOMAG®,<br>WEEKE®, BHX® | DSR.150030036.066 |
| 150     | 35      | 4/M5/50 RH + 4/M5/50<br>LH                  | 36 | 3,6     | PR             | 6           | BIESSE®,<br>ROVER®      | DSR.150035036.036 |
| 150     | 35      | 4/M5/50 RH + 4/M5/50<br>LH                  | 36 | 3,2     | PR             | 6           | BIESSE®,<br>ROVER®      | DSR.150035036.026 |
| 150     | 30      | 4/M6/48 LH + 4/M6/48 RH                     | 36 | 3,2     | NSF            | 6           | HOMAG®,<br>WEEKE®, BHX® | DSN.150030036.016 |
| 150     | 30      | 4/M6/48 LH + 4/M6/48 RH                     | 36 | 3,6     | PR             | 6           | HOMAG®,<br>WEEKE®, BHX® | DSR.150030036.046 |
| 150     | 65      | 6/6/90RH+6/6/90LH                           | 36 | 3,6     | PR             | 6           | HOMAG®                  | DSR.150065036.036 |
| 150     | 65      | 6/6/90RH+6/6/90LH                           | 36 | 4       | FP             | 56          | HOMAG®                  | DSR.150065036.025 |
| 150     | 65      | 6/6/90RH+6/6/90LH                           | 24 | 4       | FP             | 6           | HOMAG®                  | DSR.150065036.026 |
| 150     | 55      | 4/M6(6,5-12)/68 RH + 4/<br>M6(6,5-12)/68 LH | 36 | 4       | FP             | 6           | -                       | DSR.150055036.026 |
| 150     | 40      | -                                           | 36 | 4       | FP             | 6           | -                       | DSR.150040036.046 |
| 150     | 35      | 4/5,5/50 + 2/5,9/46                         | 36 | 4       | FP             | 6           | -                       | DSR.150035036.056 |
| 150     | 35      | 4/M5/50 RH + 4/M5/50<br>LH                  | 36 | 3,2     | PR             | 4           | BIESSE®,<br>ROVER®      | DSR.150035036.024 |
| 150     | 35      | 4/M5/50 LH + RH +<br>2/6/46-49              | 30 | 4       | FP             | 4           | BIESSE®,<br>SKIPPER     | DSR.150035030.004 |

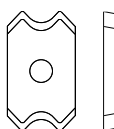


## STRAIGHT AND SYSTEM KNIVES



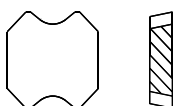
## Knives for Edgebanding Machines

PCD & HM TOOLS



| L<br>mm | W<br>mm | T<br>mm | R   | MACHINE                                               | ARTICLE       |
|---------|---------|---------|-----|-------------------------------------------------------|---------------|
| 20,0    | 12,0    | 2,0     | 1,0 | SCM®, FELDER®,<br>BRANDT®, HOLZ-HER®,<br>IMA®, HOMAG® | K15.20122R01  |
| 20,0    | 12,0    | 2,0     | 1,5 |                                                       | K15.20122R01s |
| 20,0    | 12,0    | 2,0     | 2,0 |                                                       | K15.20122R02  |
| 20,0    | 12,0    | 2,0     | 3,0 |                                                       | K15.20122R03  |

SOLID CARBIDE  
ROUTER BITS



| L<br>mm | W<br>mm | T<br>mm | R   | MACHINE       | ARTICLE      |
|---------|---------|---------|-----|---------------|--------------|
| 12,7    | 12,7    | 3,0     | 2   | SCM®, BIESSE® | K13.12123R02 |
| 12,7    | 12,7    | 3,18    | 1,5 | SCM®          | K13.12123R15 |
| 12,7    | 12,7    | 3,18    | 1   | SCM®          | K13.12123R01 |

PCD & VHM TOOLS FOR  
COMPOSITES



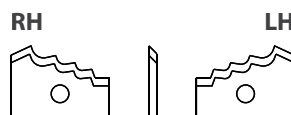
| L<br>mm | W<br>mm | T<br>mm | R   | MACHINE | ARTICLE<br>RH  | ARTICLE<br>LH  |
|---------|---------|---------|-----|---------|----------------|----------------|
| 22,32   | 14,0    | 2,0     | 2,0 | BRANDT® | K25.22142R02R  | K25.22142R02L  |
| 22,32   | 14,0    | 2,0     | 2,5 | BRANDT® | K25.22142R02Rs | K25.22142R02Ls |
| 22,32   | 14,0    | 2,0     | 3,0 | BRANDT® | K25.22142R03R  | K25.22142R03L  |

CHUCKS  
& ACCESSORIES



| L<br>mm | W<br>mm | T<br>mm | R   | MACHINE             | ARTICLE<br>RH   | ARTICLE<br>LH   |
|---------|---------|---------|-----|---------------------|-----------------|-----------------|
| 16,00   | 17,0    | 2,0     | 2,0 | FELDER® G200        | KKC.16172.1R2RS | KKC.16172.1R2LS |
| 16,00   | 17,0    | 2,0     | 2,0 | FELDER® G500        | KKC.16172.2R2RS | KKC.16172.2R2LS |
| 16,00   | 17,0    | 2,0     | 2,0 | FELDER® G400 / G560 | KKC.16172.3R2RS | KKC.16172.3R2LS |
| 16,00   | 17,0    | 2,0     | 2,0 | FELDER® G360        | KKC.16172.R02R  | KKC.16172.R02L  |
| 16,30   | 16,3    | 2,0     | 2,0 | FELDER® TEMPORA     | K26.16162R02R   | K26.16162R02L   |
| 18,00   | 16,0    | 2,0     | 2,0 | FELDER® TEMPORA     | K26.18162R02R   | K26.18162R02L   |

TOOLS FOR EDGEBANDING  
MACHINES



| L<br>mm | W<br>mm | T<br>mm | R               | MACHINE | ARTICLE<br>RH  | ARTICLE<br>LH  |
|---------|---------|---------|-----------------|---------|----------------|----------------|
| 25,00   | 18,7    | 2,0     | 1,5 / 2,0 / 3,0 | BIESSE® | KKG.25182.R    | KKG.25182.L    |
| 25,00   | 18,7    | 2,0     | 1,0 / 1,5 / 2,0 | BIESSE® | KKG.25182.R1   | KKG.25182.L1   |
| 25,00   | 19,0    | 2,0     | 1,0 / 1,5 / 2,0 | BIESSE® | KKG.251902.MPR | KKG.251902.MPL |

CIRCULAR SAW BLADES

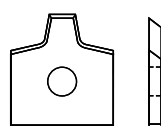


| L<br>mm | W<br>mm | T<br>mm | R       | MACHINE | ARTICLE<br>RH    | ARTICLE<br>LH    |
|---------|---------|---------|---------|---------|------------------|------------------|
| 16,0    | 17,5    | 2,0     | 2,0     | FELDER® | KKJ.16172.R02R   | KKJ.16172.R02L   |
| 12,7    | 12,7    | 2,0     | 1,0/2,0 | SCM®    | KKN.121202.R1R2R | KKN.121202.R1R2L |

DRILL BITS

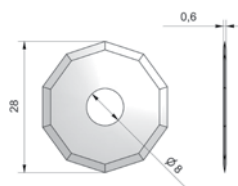
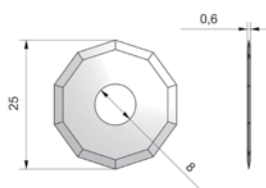
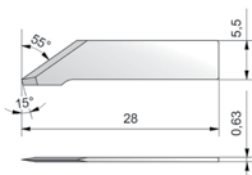
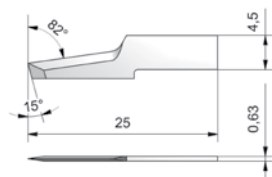
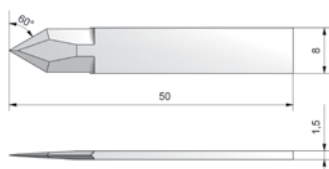
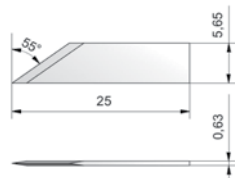
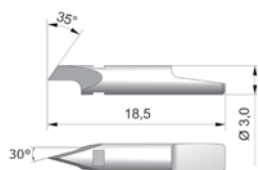
| L<br>mm | W<br>mm | T<br>mm | R   | MACHINE            | ARTICLE<br>RH | ARTICLE<br>LH |
|---------|---------|---------|-----|--------------------|---------------|---------------|
| 18,0    | 16,0    | 2,0     | 2,0 | FELDER®<br>TEMPORA | KPR.18.16.02R | KPR.18.16.02L |

STRAIGHT  
& SYSTEM KNIVES



| L<br>mm | W<br>mm | T<br>mm | R   | MACHINE          | ARTICLE        |
|---------|---------|---------|-----|------------------|----------------|
| 16,0    | 14,0    | 2,0     | 1,0 | SCM® STEFANI     | KKE.16142.D01  |
| 16,0    | 14,0    | 2,0     | 2,0 | SCM® STEFANI     | KKE.16142.D02  |
| 16,0    | 15,0    | 2,0     | 1,0 | SCM® STEFANI EVO | K23.16152R01   |
| 16,0    | 16,0    | 2,0     | 1,5 | BIESSE®          | K01.161602.R15 |
| 16,0    | 16,0    | 2,0     | 2,0 | BIESSE®          | K01.161602.R2  |
| 16,0    | 13,5    | 2,0     | 2,0 | BIMATIC®         | K161352        |
| 16,0    | 14,0    | 2,0     | 3,0 | BIMATIC®         | K161403        |

STARTER KITS

**LEGEND | Types of knives**

**F** - Flat  
**R** - Arbor  
**Z** - Drag knife

**O** - Oscillating  
**Rot** - Rotary  
**Round** - Round blade

**P** - Passe-partout  
**K** - Kiss-Cut  
**T** - Tangent

| ARTICLE | MACHINE                           | TECHNICAL DETAILS |           |
|---------|-----------------------------------|-------------------|-----------|
| ITA.2   | Zünd Z2<br>Esko BLD-KC102 (i-102) | Type*             | R, Z, K   |
|         |                                   | Pre-cut           | 1,43 x Tm |
|         |                                   | Post-cut          | ---       |
|         |                                   | Max. cut depth    | 1,00 mm   |

| ARTICLE | MACHINE                                           | TECHNICAL DETAILS |           |
|---------|---------------------------------------------------|-------------------|-----------|
| ITA.16  | Zünd Z16<br>Esko BLD-SF216 (i-216)<br>Bullmer B16 | Type*             | F, Z, O   |
|         |                                                   | Pre-cut           | 0,73 x Tm |
|         |                                                   | Post-cut          | ---       |
|         |                                                   | Max. cut depth    | 7,40 mm   |

| ARTICLE | MACHINE  | TECHNICAL DETAILS |           |
|---------|----------|-------------------|-----------|
| ITA.44  | Zünd Z44 | Type*             | F, Z      |
|         |          | Pre-cut           | 0,58 x Tm |
|         |          | Post-cut          | 0,58 x Tm |
|         |          | Max. cut depth    | 14,00 mm  |

| ARTICLE | MACHINE  | TECHNICAL DETAILS |                 |
|---------|----------|-------------------|-----------------|
| ITA.41  | Zünd Z41 | Type*             | F, O            |
|         |          | Pre-cut           | 0,8 + 0,18 x Tm |
|         |          | Post-cut          | 1,20 mm         |
|         |          | Max. cut depth    | 11,30 mm        |

| ARTICLE | MACHINE                    | TECHNICAL DETAILS |                 |
|---------|----------------------------|-------------------|-----------------|
| ITA.42  | Zünd Z42<br>Bullmer 107506 | Type*             | F, O            |
|         |                            | Pre-cut           | 0,05 + 0,7 x Tm |
|         |                            | Post-cut          | 0,80 mm         |
|         |                            | Max. cut depth    | 7,80 mm         |

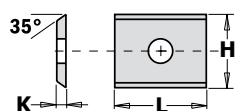
| ARTICLE | MACHINE                    | TECHNICAL DETAILS |         |
|---------|----------------------------|-------------------|---------|
| ITA.50  | Zünd Z50<br>Esko BLD-RC110 | Type*             | Rot     |
|         |                            | Max. cut depth    | 3,50 mm |

| ARTICLE | MACHINE  | TECHNICAL DETAILS |         |
|---------|----------|-------------------|---------|
| ITA.51  | Zünd Z51 | Type*             | Rot     |
|         |          | Max. cut depth    | 5,00 mm |



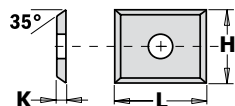
## Reversible HM Knives

PCD & HM TOOLS

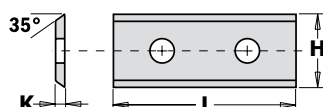


| L<br>mm | H<br>mm | K<br>mm | $\alpha$ | HC05  | MG06   | SMG02  | UMG04  |
|---------|---------|---------|----------|-------|--------|--------|--------|
| 7,5     | 12      | 1,5     | 35°      | 75122 | 375122 |        |        |
| 7,65    | 12      | 1,5     | 35°      | 76122 |        |        |        |
| 9,6     | 12      | 1,5     | 35°      | 96122 | 396122 | 496122 |        |
| 15      | 12      | 1,5     | 35°      | 15122 | 315122 | 415122 |        |
| 19,5    | 12      | 1,5     | 4/35°    | 19122 |        |        |        |
| 20      | 12      | 1,5     | 35°      | 20122 | 320122 | 420122 | 220122 |

SOLID CARBIDE  
ROUTER BITS

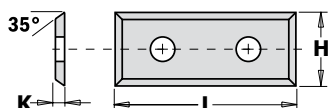


PCD & VHM TOOLS FOR  
COMPOSITES



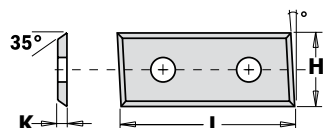
| L<br>mm | H<br>mm | K<br>mm | $\alpha$ | HC05   | MG06   | SMG02  | UMG04  |
|---------|---------|---------|----------|--------|--------|--------|--------|
| 24,7    | 12      | 1,5     | 35°      | 125122 |        |        |        |
| 30      | 12      | 1,5     | 35°      | 30122  | 330122 | 430122 | 230122 |
| 30      | 12      | 1,5     | 45°      |        | 630122 |        |        |
| 40      | 12      | 1,5     | 35°      | 40122  | 340122 | 440122 | 240122 |
| 50      | 12      | 1,5     | 35°      | 50122  | 350122 | 450122 | 250122 |
| 60      | 12      | 1,5     | 35°      | 60122  | 360122 | 460122 |        |

CHUCKS  
& ACCESSORIES



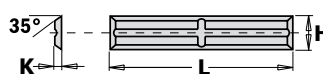
| L<br>mm | H<br>mm | K<br>mm | $\alpha$ | HC05  | MG06   | SMG02  | UMG04  |
|---------|---------|---------|----------|-------|--------|--------|--------|
| 29,5    | 9       | 1,5     | 35°      | 3094  | 33094  |        |        |
| 29,5    | 12      | 1,5     | 35°      | 30124 | 330124 |        |        |
| 39,5    | 9       | 1,5     | 35°      | 4094  |        |        |        |
| 49,5    | 9       | 1,5     | 35°      | 5094  | 35094  |        |        |
| 49,5    | 12      | 1,5     | 35°      | 50124 | 350124 | 450124 | 250124 |

TOOLS FOR EDGEBANDING  
MACHINES



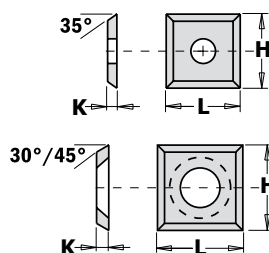
| L<br>mm | H<br>mm | K<br>mm | $\alpha$ | HC05   | MG06 | SMG02 | UMG04 |
|---------|---------|---------|----------|--------|------|-------|-------|
| 28,3    | 12      | 1,5     | 35°      | 283127 |      |       |       |
| 48,3    | 12      | 1,5     | 35°      | 483127 |      |       |       |

CIRCULAR SAW BLADES



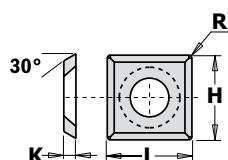
| L<br>mm | H<br>mm | K<br>mm | $\alpha$ | HC05   | MG06   | SMG02 | UMG04 |
|---------|---------|---------|----------|--------|--------|-------|-------|
| 20      | 4,1     | 1,1     | 35°      | 220414 | 520414 |       |       |
| 30      | 5,5     | 1,1     | 35°      | 230554 | 530554 |       |       |
| 50      | 5,5     | 1,1     | 35°      | 250554 | 550554 |       |       |

DRILL BITS



| L<br>mm | H<br>mm | K<br>mm | $\alpha$ | HC05   | MG06   | SMG02  | UMG04 |
|---------|---------|---------|----------|--------|--------|--------|-------|
| 12      | 12      | 1,5     | 35°      | 12124  | 312124 | 412124 |       |
| 13,6    | 13,6    | 2       | 30°      | 136204 |        |        |       |
| 14      | 14      | 1,2     | 30°      | 14124  |        |        |       |
| 14      | 14      | 2       | 30°      | 814204 |        | 414204 |       |
| 14      | 14      | 2       | 45°      |        | 614204 |        |       |

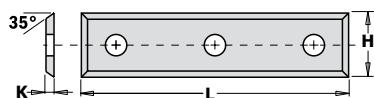
STRAIGHT  
& SYSTEM KNIVES



| L<br>mm | H<br>mm | K<br>mm | $\alpha$ | HC05  | MG06 | SMG02 | UMG04 |
|---------|---------|---------|----------|-------|------|-------|-------|
| 14      | 14      | 2       | R/30°    | 14244 |      |       |       |

STARTER KITS

## Reversible HM Knives



| L<br>mm | H<br>mm | K<br>mm | $\alpha$ | HC05  | MG06   | SMG02  | UMG04 |
|---------|---------|---------|----------|-------|--------|--------|-------|
| 50      | 9       | 1,5     | 35°      | 5093  |        |        |       |
| 50      | 12      | 1,7     | 35°      | 50123 | 150123 | 450123 |       |

PCD &amp; HM TOOLS

SOLID CARBIDE  
ROUTER BITS

PCD & VHM TOOLS FOR  
COMPOSITES

CHUCKS  
& ACCESSORIES

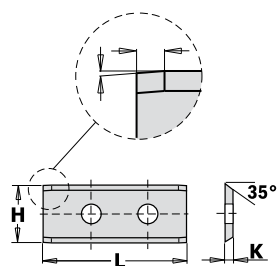
TOOLS FOR EDGEBANDING  
MACHINES

CIRCULAR SAW BLADES

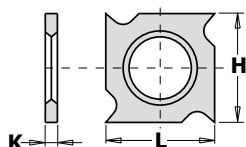
DRILL BITS

STRAIGHT  
& SYSTEM KNIVES

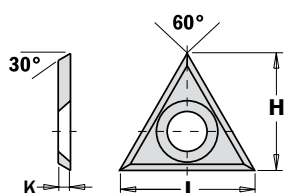
STARTER KITS



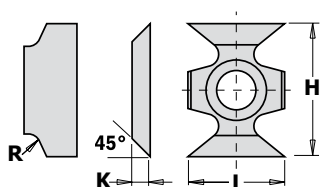
| L<br>mm | H<br>mm | K<br>mm | $\alpha$ | HC05  | MG06 | SMG02 | UMG04 |
|---------|---------|---------|----------|-------|------|-------|-------|
| 20      | 12      | 1,5     | 35°      | 20129 |      |       |       |
| 30      | 12      | 1,5     | 35°      | 30129 |      |       |       |
| 50      | 12      | 1,5     | 35°      | 50129 |      |       |       |



| L<br>mm | H<br>mm | K<br>mm | $\alpha$ | HC05   | MG06 | SMG02 | UMG04 |
|---------|---------|---------|----------|--------|------|-------|-------|
| 18      | 18      | 1,95    |          | 181954 |      |       |       |
| 18      | 18      | 2,45    |          | 182454 |      |       |       |



| L<br>mm | H<br>mm | K<br>mm | $\alpha$ | HC05 | MG06   | SMG02 | UMG04 |
|---------|---------|---------|----------|------|--------|-------|-------|
| 22      | 19      | 2       | 30°      |      | 220201 |       |       |

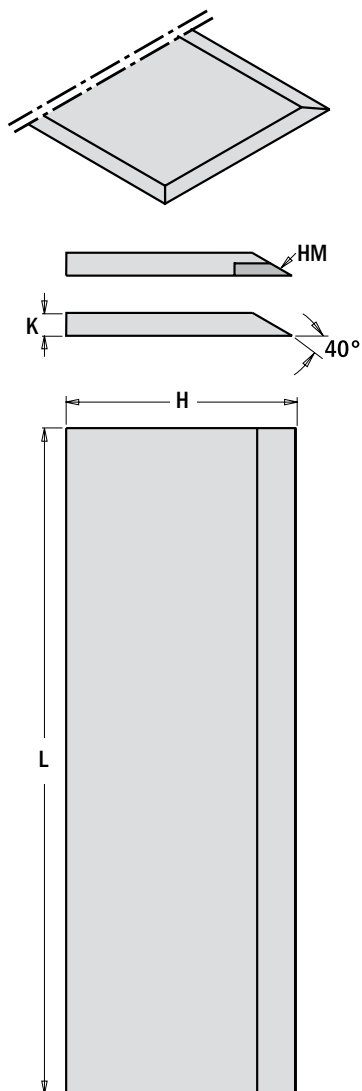


| L<br>mm | H<br>mm | K<br>mm | R<br>mm | $\alpha$ | HC05   | MG06 | SMG02 | UMG04 |
|---------|---------|---------|---------|----------|--------|------|-------|-------|
| 16      | 22      | 5       | 1,5     |          | 162215 |      |       |       |
| 16      | 22      | 5       | 2       |          | 162220 |      |       |       |
| 16      | 22      | 5       | 3       |          | 162230 |      |       |       |
| 16      | 22      | 5       |         | 45°      | 162245 |      |       |       |

# HSS-HM

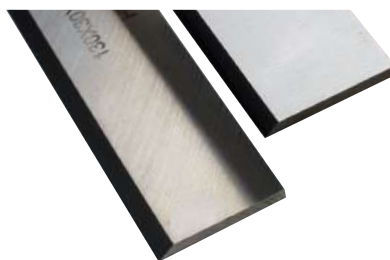
HSS

HM



| Material              | HSS | HM |
|-----------------------|-----|----|
| Soft wood, dry        | ★   |    |
| Soft wood, wet        | ☆   |    |
| Hard wood, dry        | ★   | ★  |
| Hard wood, wet        | ★   | ☆  |
| Chipboard             |     | ☆  |
| MDF                   |     | ☆  |
| Plywood               | ☆   | ★  |
| ★ Excellent    ☆ Good |     |    |

| L<br>mm | H<br>mm | K<br>mm | ARTICLE<br>HSS | ARTICLE<br>HM |
|---------|---------|---------|----------------|---------------|
| 80      | 30      | 3       | HS1.080.303    | HM1.080.303   |
| 100     | 30      | 3       | HS1.100.303    | HM1.100.303   |
| 120     | 30      | 3       | HS1.120.303    | HM1.120.303   |
| 130     | 30      | 3       | HS1.130.303    | HM1.130.303   |
| 140     | 30      | 3       | HS1.140.303    | HM1.140.303   |
| 150     | 30      | 3       | HS1.150.303    | HM1.150.303   |
| 160     | 30      | 3       | HS1.160.303    | HM1.160.303   |
| 180     | 30      | 3       | HS1.180.303    | HM1.180.303   |
| 190     | 30      | 3       | HS1.190.303    | HM1.190.303   |
| 200     | 30      | 3       | HS1.200.303    | HM1.200.303   |
| 210     | 30      | 3       | HS1.210.303    | HM1.210.303   |
| 230     | 30      | 3       | HS1.230.303    | HM1.230.303   |
| 240     | 30      | 3       | HS1.240.303    | HM1.240.303   |
| 250     | 30      | 3       | HS1.250.303    | HM1.250.303   |
| 260     | 30      | 3       | HS1.260.303    | HM1.260.303   |
| 300     | 30      | 3       | HS1.300.303    | HM1.300.303   |
| 310     | 30      | 3       | HS1.310.303    | HM1.310.303   |
| 350     | 30      | 3       | HS1.350.303    | HM1.350.303   |
| 400     | 30      | 3       | HS1.400.303    | HM1.400.303   |
| 410     | 30      | 3       | HS1.410.303    | HM1.410.303   |
| 430     | 30      | 3       | HS1.430.303    | HM1.430.303   |
| 450     | 30      | 3       | HS1.450.303    | HM1.450.303   |
| 500     | 30      | 3       | HS1.500.303    | HM1.500.303   |
| 510     | 30      | 3       | HS1.510.303    | HM1.510.303   |
| 510     | 35      | 3       | HS1.510.353    | HM1.510.353   |
| 520     | 30      | 3       | HS1.520.303    | HM1.520.303   |
| 530     | 30      | 3       | HS1.530.303    | HM1.530.303   |
| 600     | 30      | 3       | HS1.600.303    | HM1.600.303   |
| 610     | 30      | 3       | HS1.610.303    | HM1.610.303   |
| 630     | 30      | 3       | HS1.630.303    | HM1.630.303   |
| 640     | 30      | 3       | HS1.640.303    | HM1.640.303   |
| 710     | 30      | 3       | HS1.710.303    | HM1.710.303   |
| 810     | 30      | 3       | HS1.810.303    | HM1.810.303   |
| 1050    | 30      | 3       | HS1.1050.303   | HM1.1050.303  |

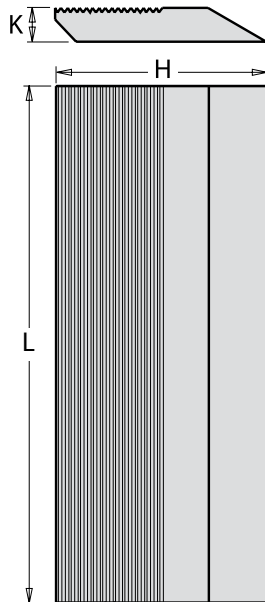


## Note:

Other dimensions are available on request. The mirror finish of the cutting edges allows for excellent cut and longer life.

HR1

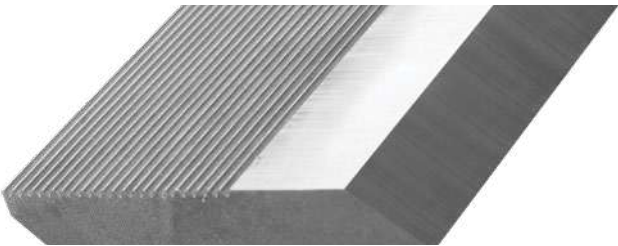
HSS



Application:

Grooves on the knife enable its precise placement on the tool.

| L<br>mm | H<br>mm | K<br>mm | ARTICLE<br>HSS |
|---------|---------|---------|----------------|
| 40      | 50      | 8       | HR1.040.508    |
| 40      | 60      | 8       | HR1.040.608    |
| 40      | 70      | 8       | HR1.040.708    |
| 60      | 50      | 8       | HR1.060.508    |
| 60      | 60      | 8       | HR1.060.608    |
| 60      | 70      | 8       | HR1.060.708    |
| 80      | 50      | 8       | HR1.080.508    |
| 80      | 60      | 8       | HR1.080.608    |
| 80      | 70      | 8       | HR1.080.708    |
| 100     | 50      | 8       | HR1.100.508    |
| 100     | 60      | 8       | HR1.100.608    |
| 100     | 70      | 8       | HR1.100.708    |
| 120     | 50      | 8       | HR1.120.508    |
| 120     | 60      | 8       | HR1.120.608    |
| 120     | 70      | 8       | HR1.120.708    |
| 130     | 60      | 8       | HR1.130.608    |
| 130     | 70      | 8       | HR1.130.708    |
| 650     | 40      | 8       | HR1.650.408    |
| 650     | 50      | 8       | HR1.650.508    |
| 650     | 60      | 8       | HR1.650.608    |
| 650     | 70      | 8       | HR1.650.708    |



Note:

Other dimensions are available on request.

## KS1-KS2-KS3

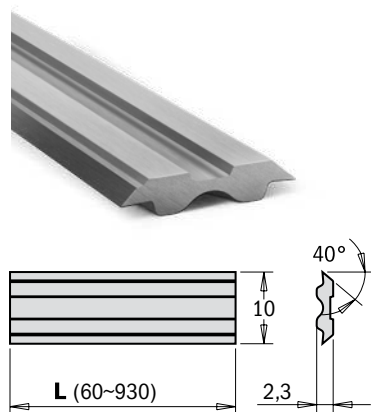
**HSS**

**HM**

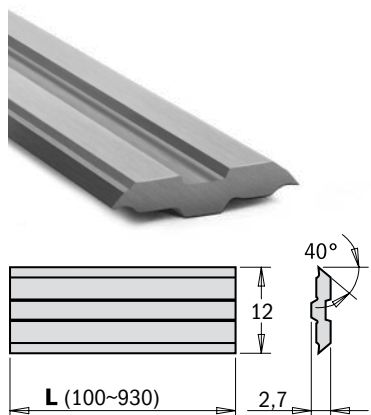
**Note:**

Other dimensions on request.

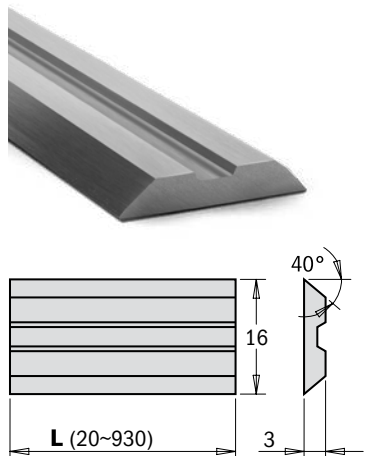
### TERSA



### CENTROSTAR CENTROFIX QUICKFIX



### CENTROLOCK



### TERSA

| L<br>mm | H<br>mm | K<br>mm | ARTICLE    |
|---------|---------|---------|------------|
| 60      | 10      | 2,3     | KS1.060.01 |
| 80      | 10      | 2,3     | KS1.080.01 |
| 100     | 10      | 2,3     | KS1.100.01 |
| 110     | 10      | 2,3     | KS1.110.01 |
| 120     | 10      | 2,3     | KS1.120.01 |
| 130     | 10      | 2,3     | KS1.130.01 |
| 140     | 10      | 2,3     | KS1.140.01 |
| 150     | 10      | 2,3     | KS1.150.01 |
| 160     | 10      | 2,3     | KS1.160.01 |
| 170     | 10      | 2,3     | KS1.170.01 |
| 180     | 10      | 2,3     | KS1.180.01 |
| 190     | 10      | 2,3     | KS1.190.01 |
| 200     | 10      | 2,3     | KS1.200.01 |
| 210     | 10      | 2,3     | KS1.210.01 |
| 220     | 10      | 2,3     | KS1.220.01 |
| 230     | 10      | 2,3     | KS1.230.01 |
| 235     | 10      | 2,3     | KS1.235.01 |
| 240     | 10      | 2,3     | KS1.240.01 |
| 250     | 10      | 2,3     | KS1.250.01 |
| 260     | 10      | 2,3     | KS1.260.01 |
| 270     | 10      | 2,3     | KS1.270.01 |
| 280     | 10      | 2,3     | KS1.280.01 |
| 300     | 10      | 2,3     | KS1.300.01 |
| 310     | 10      | 2,3     | KS1.310.01 |
| 330     | 10      | 2,3     | KS1.330.01 |
| 350     | 10      | 2,3     | KS1.350.01 |
| 360     | 10      | 2,3     | KS1.360.01 |
| 400     | 10      | 2,3     | KS1.400.01 |
| 410     | 10      | 2,3     | KS1.410.01 |
| 420     | 10      | 2,3     | KS1.420.01 |
| 430     | 10      | 2,3     | KS1.430.01 |
| 450     | 10      | 2,3     | KS1.450.01 |
| 460     | 10      | 2,3     | KS1.460.01 |
| 480     | 10      | 2,3     | KS1.480.01 |
| 500     | 10      | 2,3     | KS1.500.01 |
| 510     | 10      | 2,3     | KS1.510.01 |
| 520     | 10      | 2,3     | KS1.520.01 |
| 530     | 10      | 2,3     | KS1.530.01 |
| 540     | 10      | 2,3     | KS1.540.01 |
| 610     | 10      | 2,3     | KS1.610.01 |
| 620     | 10      | 2,3     | KS1.620.01 |
| 630     | 10      | 2,3     | KS1.630.01 |
| 635     | 10      | 2,3     | KS1.635.01 |
| 640     | 10      | 2,3     | KS1.640.01 |
| 650     | 10      | 2,3     | KS1.650.01 |
| 710     | 10      | 2,3     | KS1.710.01 |
| 810     | 10      | 2,3     | KS1.810.01 |
| 860     | 10      | 2,3     | KS1.860.01 |
| 910     | 10      | 2,3     | KS1.910.01 |
| 930     | 10      | 2,3     | KS1.930.01 |

### CENTROSTAR, CENTROFIX, QUICKFIX

| L<br>mm | H<br>mm | K<br>mm | ARTICLE    |
|---------|---------|---------|------------|
| 60      | 12      | 2,7     | KS2.060.01 |
| 80      | 12      | 2,7     | KS2.080.01 |
| 100     | 12      | 2,7     | KS2.100.01 |
| 110     | 12      | 2,7     | KS2.110.01 |
| 120     | 12      | 2,7     | KS2.120.01 |
| 130     | 12      | 2,7     | KS2.130.01 |
| 140     | 12      | 2,7     | KS2.140.01 |
| 150     | 12      | 2,7     | KS2.150.01 |
| 160     | 12      | 2,7     | KS2.160.01 |
| 170     | 12      | 2,7     | KS2.170.01 |
| 180     | 12      | 2,7     | KS2.180.01 |
| 190     | 12      | 2,7     | KS2.190.01 |
| 200     | 12      | 2,7     | KS2.200.01 |
| 210     | 12      | 2,7     | KS2.210.01 |
| 220     | 12      | 2,7     | KS2.220.01 |
| 230     | 12      | 2,7     | KS2.230.01 |
| 240     | 12      | 2,7     | KS2.240.01 |
| 250     | 12      | 2,7     | KS2.250.01 |
| 260     | 12      | 2,7     | KS2.260.01 |
| 270     | 12      | 2,7     | KS2.270.01 |
| 280     | 12      | 2,7     | KS2.280.01 |
| 300     | 12      | 2,7     | KS2.300.01 |
| 310     | 12      | 2,7     | KS2.310.01 |
| 350     | 12      | 2,7     | KS2.350.01 |
| 360     | 12      | 2,7     | KS2.360.01 |
| 400     | 12      | 2,7     | KS2.400.01 |
| 410     | 12      | 2,7     | KS2.410.01 |
| 420     | 12      | 2,7     | KS2.420.01 |
| 430     | 12      | 2,7     | KS2.430.01 |
| 450     | 12      | 2,7     | KS2.450.01 |
| 480     | 12      | 2,7     | KS2.480.01 |
| 510     | 12      | 2,7     | KS2.510.01 |
| 520     | 12      | 2,7     | KS2.520.01 |
| 530     | 12      | 2,7     | KS2.530.01 |
| 610     | 12      | 2,7     | KS2.610.01 |
| 620     | 12      | 2,7     | KS2.620.01 |
| 630     | 12      | 2,7     | KS2.630.01 |
| 640     | 12      | 2,7     | KS2.640.01 |
| 650     | 12      | 2,7     | KS2.650.01 |
| 710     | 12      | 2,7     | KS2.710.01 |
| 810     | 12      | 2,7     | KS2.810.01 |
| 930     | 12      | 2,7     | KS2.930.01 |

### CENTROLOCK

| L<br>mm | H<br>mm | K<br>mm | ARTICLE    |
|---------|---------|---------|------------|
| 60      | 16      | 3       | KS3.060.01 |
| 80      | 16      | 3       | KS3.080.01 |
| 100     | 16      | 3       | KS3.100.01 |
| 130     | 16      | 3       | KS3.130.01 |
| 150     | 16      | 3       | KS3.150.01 |
| 170     | 16      | 3       | KS3.170.01 |
| 180     | 16      | 3       | KS3.180.01 |
| 190     | 16      | 3       | KS3.190.01 |
| 230     | 16      | 3       | KS3.230.01 |
| 240     | 16      | 3       | KS3.240.01 |
| 270     | 16      | 3       | KS3.270.01 |
| 460     | 16      | 3       | KS3.460.01 |
| 930     | 16      | 3       | KS3.930.01 |

## STARTER KITS

The perfect starting point for users,  
with professional-level tools in handy toolbox.

### KIT NO. 01 – NESTING

#### INDEX NO. **SET.NESTING**

##### **Includes:**

Set of nesting and planning cutters:

- Z3+3 PCD cutter for nesting in SHRINK-FIT Chuck
- Z2+2 PCD cutter for nesting in ER40 Chuck
- Z3+3 VHM cutter for nesting in ER40 Chuck
- Z3 cutter with exchangeable knives for planning in ER40 Chuck



### KIT NO. 02 – FURNITURE CONNECTIONS

#### INDEX NO. **SET.CONNECTORS**

##### **Includes:**

Set for furniture connection includes:

- Saw blade for furniture connections
- Saw blade adapter for CNC machine
- Cutter for furniture connections
- Drill bits for furniture connections
- EOC25 Chuck
- Set of Precision Collets





## Starter Kits

### KIT NO. 03 – ER40 INDEX NO. **SET.ER40**

#### Includes:

- Chuck HSK-63 ER40 for CNC machines
- Set of Precision Collets

### KIT NO. 04 – ER32 INDEX NO. **SET.ER32**

#### Includes:

- Chuck HSK-63 ER32 for CNC machines
- Set of Precision Collets



### KIT NO. 05 – EOC25 INDEX NO. **SET.EOC25**

#### Includes:

- Chuck HSK-63 EOC25 for CNC machines
- Set of Precision Collets

### KIT NO. 06 – BASIC INDEX NO. **SET.VERTICALCNC**

#### Includes:

Set for vertical CNC machines includes:

- Saw Blade for vertical CNC machines
- Set of Drill Bits for vertical CNC machines
- Set of Spiral Bits for vertical CNC machines



## Index of materials



**RAW MDF**



**LAMINATED  
MDF**



**RAW  
CHIPBOARD**



**LAMINATED  
CHIPBOARD**



**PLYWOOD**



**LAMINATED  
PLYWOOD**



**GLAS FIBER**



**CARBON FIBER**



**CORIAN/HPL**



**SOFT SOLID  
WOOD**



**HARD SOLID  
WOOD**



**EXOTIC WOOD**



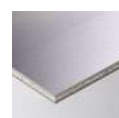
**HPL**



**ALUMINUM**



**ALUCOBOND®**



**ALUCOBOND®  
A2**



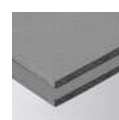
**PLASTICS**



**PLEXIGLASS**



**SOLID WOOD  
DRY AND WET  
MULTI-RIP**



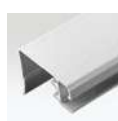
**FIBER CEMENT**



**FOAM**



**ALU/PVC  
PROFILES**



**PVC PROFILES**



## Machines



MITER SAW



TENONER



EDGE  
BANDING  
MACHINE



VERTICAL  
PANEL SAW



HORIZONTAL  
PANEL SAW



FORMAT SAW



TABLE SAW

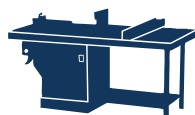


TABLE SAW



MULTI-RIP  
SAW



CNC  
WITH  
AGGREGATES



CNC  
FORMING  
DRILLING



DOUBLE-HEADED  
SAW



OPTIMIZING SAW