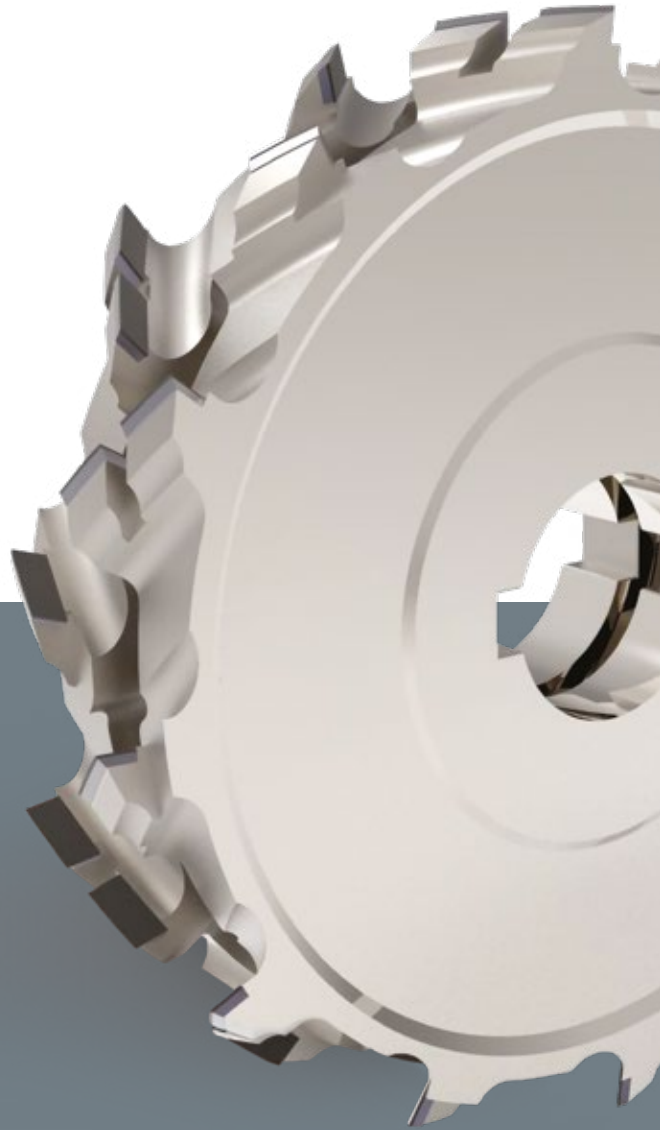


# Diamond Cutting Tools for Wood, Plastic and Fibres





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# PCD CUTTING TOOLS FOR WOOD, PLASTIC AND FIBRES PROCESSING INDUSTRIES



Production plants and R&D facilities in Europe and North America enable Cruing to supply tested and award winning products worldwide.



JEC Europe



JEC Americas

CHALLENGERS



WINNER 2008



EXPERIENCE  
COMPOSITES

INNOVATION  
AWARDS  
2016



Institut für  
Werkzeugmaschinen



Universität Stuttgart



Fraunhofer IPA



HBG  
Holz-Berufsgenossenschaft



DGVU Test



HO 082004



Sicherheit geprüft  
tested safety



HO 082007



Sicherheit geprüft  
tested safety



HO 122002



Sicherheit geprüft  
tested safety



COMPANY WITH  
QUALITY SYSTEM  
CERTIFIED BY DNV GL  
= ISO 9001 =



For more than 50 years, Cruing provides and suggests the latest solutions in wood and plastic machining and offers a wide range of qualified PCD cutting tools for almost all segments and applications within the furniture, woodworking and housing industries.

No matter whether you produce furniture, kitchens, joinery components, floors or windows - in chipboard, MDF or solid wood, plasterboard, fibre cement, plastics or resins - you need the best possible tooling solution, professional service and application consulting.

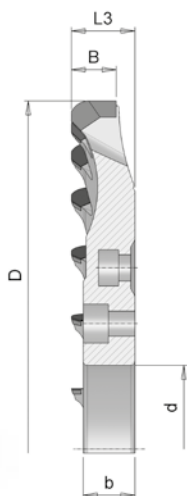
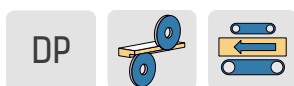


## STANDARD AND SPECIAL CUTTING TOOLS

A complete range of standard tools is at your disposal, but if you have specific requirements, we can offer a wide range of special designs to suit your needs. Improved tool designs and concepts are constantly being developed in order to give you the latest cutting technology.



# Hoggers



## R-MAX 5.1 (Z28+4)

### Technical features:

- Radius hogger with negative hook
- Feed speed: up to 50 m/min
- 28+4 PCD cutting edges
- "Easy-Flow" gullets for directional chip removal
- Resharpenable hogger (max 12 times)

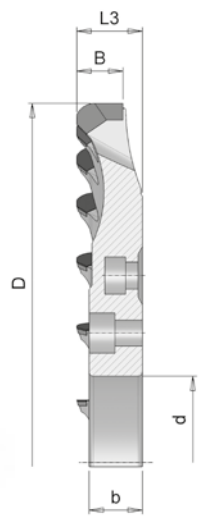
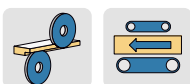
### Applications:

- For 2nd machine for processing of:
  - Particleboards
  - MDF boards
- For double hogger systems

| D   | B  | b    | d   | L3 | Z    | feed DZ | Code (RH) | Code (LH) |
|-----|----|------|-----|----|------|---------|-----------|-----------|
| 220 | 15 | 10   | 100 | -  | 28+4 | 30 - 50 | DR285A02D | DR285A02S |
| 250 | 15 | 10   | 100 | -  | 28+4 | 30 - 50 | DR285A03D | DR285A03S |
| 250 | 15 | 18,5 | 80  | 23 | 28+4 | 30 - 50 | DR285B02D | DR285B02S |
| 250 | 15 | 18,5 | 60  | 23 | 28+4 | 30 - 50 | DR285E02D | DR285E02S |

# Hoggers

DP



## R-MAX (Z28+4 / Z40+4)

### Technical features:

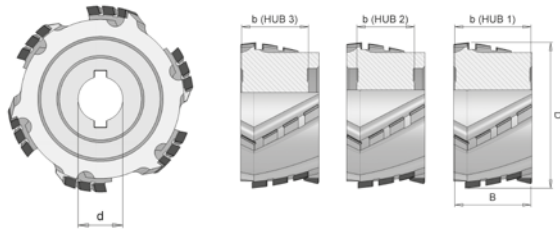
- Radius hogger with negative hook
- Feed speed: up to 100 m/min
- 28+4 / 40+4 PCD cutting edges
- "Easy-Flow" gullets for directional chip removal
- Resharpenable hogger (max 12 times)

### Applications:

- For 1st machine of squaring and automatic squaring edge-banding machines for:
  - Particleboards
  - MDF boards
  - Laminates
  - HPL and veneered panels
- For double hogger systems

| D   | B  | b    | d   | L3 | Z    | feed DZ  | Code(RH)  | Code (LH) |
|-----|----|------|-----|----|------|----------|-----------|-----------|
| 220 | 15 | 10   | 100 | -  | 28+4 | 30 - 50  | DR289A02D | DR289A02S |
| 250 | 15 | 10   | 100 | -  | 28+4 | 30 - 50  | DR289A03D | DR289A03S |
| 250 | 15 | 10   | 100 | -  | 40+4 | 60 - 100 | DR409A03D | DR409A03S |
| 220 | 15 | 18,5 | 80  | 23 | 28+4 | 30 - 50  | DR289B01D | DR289B01S |
| 250 | 15 | 18,5 | 80  | 23 | 28+4 | 30 - 50  | DR289B02D | DR289B02S |
| 250 | 15 | 18,5 | 80  | 23 | 40+4 | 60 - 100 | DR409B02D | DR409B02S |
| 250 | 15 | 18,5 | 60  | 23 | 28+4 | 30 - 50  | DR289E02D | DR289E02S |
| 250 | 15 | 18,5 | 60  | 23 | 40+4 | 60 - 100 | DR409E02D | DR409E02S |

# Jointing



## PCD Jointing Cutter 30°

### Technical features:

- Specific high shear angle geometry for high quality edge finish, reduced cutting pressure and low noise
- "Easy Flow" gullets for optimized chip removal and reduced machine malfunctions
- Symmetrical and asymmetrical designs
- Left and Right hand rotations
- Resharpenable cutter (max 6-8 times)
- HDP: 5,7

### Applications:

- For CNC routers
- For jointing:
  - Melamine
  - Paper
  - HPL
  - Foiled and veneered panels

| D   | B  | b    | Z   | d  | DKN | n.max | AS/S | Hub | Machine                  | Code      | Code      |
|-----|----|------|-----|----|-----|-------|------|-----|--------------------------|-----------|-----------|
| 70  | 48 | 41   | 3+3 | 30 | 8x4 | 23000 | AS   | 2   | Holz-Her                 | DFA30150S | DFA30150D |
| 70  | 48 | 24   | 3+3 | 30 | 8x4 | 23000 | AS   | 2   | Holz-Her                 | DFA30160S | DFA30160D |
| 70  | 55 | 30,5 | 3+3 | 30 | 8x4 | 23000 | AS   | 2   | Holz-Her                 | DFA30180S | DFA30180D |
| 70  | 65 | 40,5 | 3+3 | 30 | 8x4 | 23000 | AS   | 2   | Holz-Her                 | DFA30190S | DFA30190D |
| 80  | 30 | 53   | 3+3 | 30 | 8x4 | 23000 | S    | 1   | Biesse                   | DFA30210S | DFA30210D |
| 80  | 40 | 42   | 3+3 | 30 | 8x4 | 23000 | AS   | 1   | Scm                      | DFA30220S | DFA30220D |
| 80  | 45 | 53   | 3+3 | 30 | 8x4 | 23000 | S    | 1   | Biesse                   | DFA30230S | DFA30230D |
| 80  | 48 | 64   | 3+3 | 30 | 8x4 | 23000 | AS   | 1   | Felder                   | DFA30260S | DFA30260D |
| 85  | 55 | 57   | 3+3 | 30 | 8x4 | 23000 | AS   | 1   | Scm                      | DFA30280S | DFA30280D |
| 80  | 65 | 53   | 3+3 | 30 | 8x4 | 23000 | S    | 2   | Biesse                   | DFA30310S | DFA30310D |
| 85  | 45 | 50   | 3+3 | 30 | 8x4 | 22000 | AS   | 1   | Ott                      | DFA30335S | DFA30335D |
| 85  | 65 | 44   | 3+3 | 30 | 8x4 | 22000 | AS   | 3   | Ott                      | DFA30340S | DFA30340D |
| 100 | 35 | 37,6 | 3+3 | 30 | 8x4 | 18000 | AS   | 1   | Ima-Brandt               | DFA30350S | DFA30350D |
| 100 | 45 | 62   | 3+3 | 30 | 8x4 | 18000 | AS   | 1   | Hebrock-Brandt           | DFA30390S | DFA30390D |
| 100 | 45 | 40,6 | 3+3 | 30 | 8x4 | 18000 | AS   | 3   | Brandt                   | DFA30400S | DFA30400D |
| 100 | 48 | 40   | 3+3 | 30 | 8x4 | 18000 | AS   | 2   | Brandt-Ima<br>Scm-Biesse | DFA30420S | DFA30420D |
| 100 | 48 | 25   | 3+3 | 30 | 8x4 | 18000 | AS   | 2   | Holz-Her-Scm             | DFA30430S | DFA30430D |
| 100 | 48 | 40,6 | 3+3 | 30 | 8x4 | 18000 | AS   | 3   | Brandt-Ima<br>Scm-Biesse | DFA30440S | DFA30440D |
| 100 | 55 | 25   | 3+3 | 30 | 8x4 | 18000 | AS   | 2   | Holz-Her-Scm             | DFA30460S | DFA30460D |
| 100 | 55 | 41,6 | 3+3 | 30 | 8x4 | 18000 | AS   | 3   | Brandt-Ima<br>Scm-Biesse | DFA30470S | DFA30470D |
| 100 | 65 | 75   | 3+3 | 30 | 8x4 | 18000 | S    | 1   | Biesse                   | DFA30500S | DFA30500D |

| D   | B  | b    | Z   | d  | DKN | n.max | AS/S | Hub | Machine                         | Code      | Code      |
|-----|----|------|-----|----|-----|-------|------|-----|---------------------------------|-----------|-----------|
| 100 | 65 | 40   | 3+3 | 30 | 8x4 | 18000 | AS   | 2   | Holz-Her                        | DFA30510S | DFA30510D |
| 100 | 65 | 26   | 3+3 | 30 | 8x4 | 18000 | AS   | 2   | Holz-Her-Scm                    | DFA30520S | DFA30520D |
| 100 | 65 | 40,6 | 3+3 | 30 | 8x4 | 18000 | AS   | 3   | Brandt-Ima<br>Scm-Biesse        | DFA30530S | DFA30530D |
| 125 | 34 | 36   | 3+3 | 30 | 8x4 | 15000 | AS   | 1   | Ima-Homag                       | DFA30535S | DFA30535D |
| 125 | 34 | 36   | 4+4 | 30 | 8x4 | 15000 | AS   | 1   | Ima-Homag                       | DFA30540S | DFA30540D |
| 125 | 45 | 47   | 4+4 | 30 | 8x4 | 15000 | AS   | 1   | Ima-Biesse                      | DFA30555S | DFA30555D |
| 125 | 45 | 40   | 3+3 | 30 | 8x4 | 15000 | AS   | 3   | Homag-Biesse                    | DFA30560S | DFA30560D |
| 125 | 45 | 40   | 4+4 | 30 | 8x4 | 15000 | AS   | 3   | Homag-Biesse                    | DFA30565S | DFA30565D |
| 125 | 48 | 50   | 3+3 | 30 | 8x4 | 15000 | AS   | 1   | Biesse                          | DFA30570S | DFA30570D |
| 125 | 48 | 50   | 3+3 | 30 | 8x4 | 15000 | AS   | 1   | Biesse                          | DFA30570S | DFA30570D |
| 125 | 48 | 50   | 4+4 | 30 | 8x4 | 15000 | AS   | 1   | Biesse                          | DFA30575S | DFA30575D |
| 125 | 48 | 40   | 4+4 | 30 | 8x4 | 15000 | AS   | 2   | Homag                           | DFA30580S | DFA30580D |
| 125 | 65 | 49   | 3+3 | 30 | 8x4 | 15000 | AS   | 2   | Biesse                          | DFA30595S | DFA30595D |
| 125 | 65 | 49   | 4+4 | 30 | 8x4 | 15000 | AS   | 2   | Biesse                          | DFA30600S | DFA30600D |
| 125 | 65 | 40   | 3+3 | 30 | 8x4 | 15000 | AS   | 2   | Homag                           | DFA30615S | DFA30615D |
| 125 | 65 | 40   | 4+4 | 30 | 8x4 | 15000 | AS   | 2   | Homag                           | DFA30620S | DFA30620D |
| 125 | 65 | 40,6 | 3+3 | 30 | 8x4 | 15000 | AS   | 3   | Brandt /Ima /Scm/<br>Idm/Biesse | DFA30625S | DFA30625D |
| 125 | 65 | 40,6 | 4+4 | 30 | 8x4 | 15000 | AS   | 3   | Brandt /Ima /Scm/<br>Idm/Biesse | DFA30630S | DFA30630D |
| 150 | 43 | 40   | 3+3 | 30 | 8x4 | 12000 | AS   | 2   | Homag                           | DFA30635S | DFA30635D |
| 150 | 43 | 40   | 4+4 | 30 | 8x4 | 12000 | AS   | 2   | Homag                           | DFA30640S | DFA30640D |
| 150 | 65 | 40   | 3+3 | 30 | 8x4 | 12000 | AS   | 2   | Homag                           | DFA30645S | DFA30645D |
| 150 | 65 | 40   | 4+4 | 30 | 8x4 | 12000 | AS   | 2   | Homag                           | DFA30650S | DFA30650D |

# Jointing

DP



AXIAL ANGLE  
45°



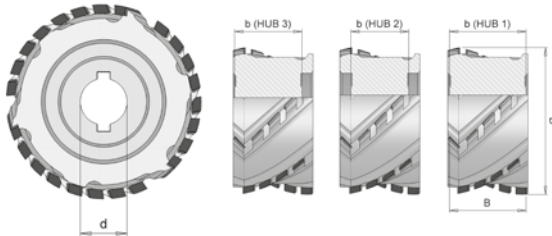
## PCD Jointing Cutter 45°

### Technical features:

- Specific high shear angle geometry for high quality edge finish, reduced cutting pressure and low noise
- "Easy Flow" gullets for optimized chip removal and reduced machine malfunctions
- Symmetrical and asymmetrical designs
- Left and Right hand rotations
- Resharpenable cutter (max 6-8 times)
- HDP: 5,7

### Applications:

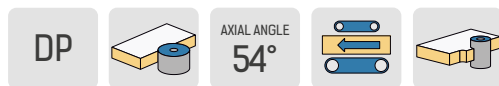
- For CNC routers
- For jointing:
  - Melamine
  - Paper
  - HPL
  - Foiled and veneered panel



| D   | B  | b    | Z   | d  | KDN   | n.max | AS/S | Hub | Machine                        | Code      | Code      |
|-----|----|------|-----|----|-------|-------|------|-----|--------------------------------|-----------|-----------|
| 80  | 30 | 53   | 3+3 | 30 | 8x4   | 23000 | S    | 1   | Biesse                         | DFA45020S | DFA45020D |
| 80  | 40 | 42   | 3+3 | 30 | 8x4   | 23000 | AS   | 1   | Scm                            | DFA45030S | DFA45030D |
| 80  | 45 | 53   | 3+3 | 30 | 8x4   | 23000 | S    | 1   | Biesse                         | DFA45040S | DFA45040D |
| 80  | 48 | 25   | 3+3 | 20 | 6x3,5 | 23000 | S    | 2   | Biesse                         | DFA45050S | DFA45050D |
| 80  | 48 | 63   | 3+3 | 30 | 8x4   | 23000 | AS   | 1   | Felder                         | DFA45070S | DFA45070D |
| 80  | 55 | 57   | 3+3 | 30 | 8x4   | 23000 | AS   | 1   | Scm                            | DFA45080S | DFA45080D |
| 80  | 55 | 25   | 3+3 | 20 | 6x3,5 | 23000 | AS   | 2   | Biesse                         | DFA45090S | DFA45090D |
| 80  | 65 | 53   | 3+3 | 30 | 8x4   | 23000 | S    | 2   | Biesse                         | DFA45120S | DFA45120D |
| 85  | 45 | 47   | 3+3 | 30 | 8x4   | 22000 | AS   | 1   | Ott                            | DFA45145S | DFA45145D |
| 85  | 65 | 44   | 3+3 | 30 | 8x4   | 22000 | AS   | 3   | Ott                            | DFA45150S | DFA45150D |
| 100 | 35 | 37   | 3+3 | 30 | 8x4   | 18000 | AS   | 1   | Ima-Brandt                     | DFA45160S | DFA45160D |
| 100 | 45 | 61   | 3+3 | 30 | 8x4   | 18000 | AS   | 1   | Hebrock-Brandt                 | DFA45200S | DFA45200D |
| 100 | 45 | 40,6 | 3+3 | 30 | 8x4   | 18000 | AS   | 3   | Brandt                         | DFA45210S | DFA45210D |
| 100 | 48 | 40,6 | 3+3 | 30 | 8x4   | 18000 | AS   | 3   | Brandt /Ima /Scm<br>Idm/Biesse | DFA45230S | DFA45230D |
| 100 | 48 | 40   | 3+3 | 30 | 8x4   | 18000 | AS   | 2   | Brandt /Ima /Scm<br>Idm/Biesse | DFA45240S | DFA45240D |
| 100 | 48 | 25   | 3+3 | 30 | 8x4   | 18000 | AS   | 2   | Holz-Her-Scm                   | DFA45250S | DFA45250D |
| 100 | 55 | 40,6 | 3+3 | 30 | 8x4   | 18000 | AS   | 3   | Brandt /Ima /Scm<br>Idm/Biesse | DFA45270S | DFA45270D |
| 100 | 55 | 25   | 3+3 | 30 | 8x4   | 18000 | AS   | 2   | Holz-Her-Scm                   | DFA45280S | DFA45280D |
| 100 | 65 | 75   | 3+3 | 30 | 8x4   | 18000 | S    | 1   | Biesse                         | DFA45310S | DFA45310D |

| D   | B  | b    | Z   | d  | DKN | n.max | AS/S | Hub | Machine                         | Code      | Code      |
|-----|----|------|-----|----|-----|-------|------|-----|---------------------------------|-----------|-----------|
| 100 | 65 | 40,6 | 3+3 | 30 | 8x4 | 18000 | AS   | 3   | Brandt /Ima /Scm/<br>Idm/Biesse | DFA45320S | DFA45320D |
| 100 | 65 | 26   | 3+3 | 30 | 8x4 | 18000 | AS   | 2   | Holz-Her-Scm                    | DFA45330S | DFA45330D |
| 100 | 65 | 40   | 3+3 | 30 | 8x4 | 18000 | AS   | 2   | Holz-Her                        | DFA45340S | DFA45340D |
| 125 | 34 | 36   | 3+3 | 30 | 8x4 | 15000 | AS   | 1   | Ima-Homag                       | DFA45345S | DFA45345D |
| 125 | 34 | 36   | 4+4 | 30 | 8x4 | 15000 | AS   | 1   | Ima-Homag                       | DFA45350S | DFA45350D |
| 125 | 45 | 47   | 3+3 | 30 | 8x4 | 15000 | AS   | 1   | Ima-Biesse                      | DFA45365S | DFA45365D |
| 125 | 45 | 47   | 4+4 | 30 | 8x4 | 15000 | AS   | 1   | Ima-Biesse                      | DFA45370S | DFA45370D |
| 125 | 45 | 40   | 3+3 | 30 | 8x4 | 15000 | AS   | 3   | Homag-Biesse                    | DFA45375S | DFA45375D |
| 125 | 45 | 40   | 4+4 | 30 | 8x4 | 15000 | AS   | 3   | Homag-Biesse                    | DFA45380S | DFA45380D |
| 125 | 48 | 50   | 3+3 | 30 | 8x4 | 15000 | AS   | 1   | Biesse                          | DFA45385S | DFA45385D |
| 125 | 48 | 50   | 4+4 | 30 | 8x4 | 15000 | AS   | 1   | Biesse                          | DFA45390S | DFA45390D |
| 125 | 48 | 40   | 3+3 | 30 | 8x4 | 15000 | AS   | 2   | Homag                           | DFA45395S | DFA45395D |
| 125 | 48 | 40   | 4+4 | 30 | 8x4 | 15000 | AS   | 2   | Homag                           | DFA45400S | DFA45400D |
| 125 | 65 | 49   | 3+3 | 30 | 8x4 | 15000 | AS   | 2   | Biesse                          | DFA45415S | DFA45415D |
| 125 | 65 | 49   | 4+4 | 30 | 8x4 | 15000 | AS   | 2   | Biesse                          | DFA45420S | DFA45420D |
| 125 | 65 | 40   | 3+3 | 30 | 8x4 | 15000 | AS   | 2   | Homag                           | DFA45435S | DFA45435D |
| 125 | 65 | 40   | 4+4 | 30 | 8x4 | 15000 | AS   | 2   | Homag                           | DFA45440S | DFA45440D |
| 125 | 65 | 40,6 | 3+3 | 30 | 8x4 | 15000 | AS   | 3   | Brandt /Ima /Scm/<br>Idm/Biesse | DFA45445S | DFA45445D |
| 125 | 65 | 40,6 | 4+4 | 30 | 8x4 | 15000 | AS   | 3   | Brandt /Ima /Scm/<br>Idm/Biesse | DFA45450S | DFA45450D |
| 150 | 43 | 40   | 3+3 | 30 | 8x4 | 12000 | AS   | 2   | Homag                           | DFA45455S | DFA45455D |
| 150 | 43 | 40   | 4+4 | 30 | 8x4 | 12000 | AS   | 2   | Homag                           | DFA45460S | DFA45460D |
| 150 | 65 | 40   | 3+3 | 30 | 8x4 | 12000 | AS   | 2   | Homag                           | DFA45465S | DFA45465D |
| 150 | 65 | 40   | 4+4 | 30 | 8x4 | 12000 | AS   | 2   | Homag                           | DFA45470S | DFA45470D |

# Jointing



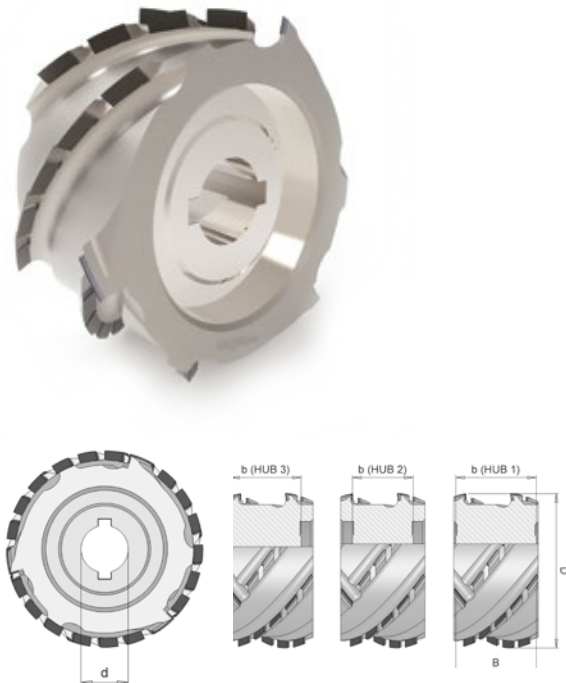
## PCD Jointing Cutter 54°

### Technical features:

- Specific high shear angle geometry for high quality edge finish, reduced cutting pressure and low noise
- "Easy Flow" gullets for optimized chip removal and reduced machine malfunctions
- Symmetrical and asymmetrical designs
- Left and Right hand rotations
- Resharpenable cutter (max 6-8 times)
- HDP: 5,7

### Applications:

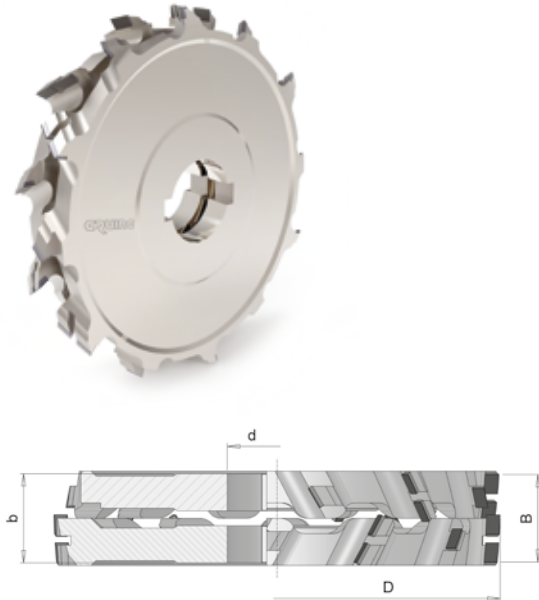
- For CNC routers
- For jointing:
  - Melamine
  - Paper
  - HPL
  - Foiled and veneered panels



| D   | B  | b    | Z   | d  | DKN | n.max | AS/S | Hub | Machine                      | Code      | Code      |
|-----|----|------|-----|----|-----|-------|------|-----|------------------------------|-----------|-----------|
| 100 | 35 | 37   | 3+3 | 30 | 8x4 | 18000 | AS   | 1   | Ima-Brandt                   | DFA54010S | DFA54010D |
| 100 | 45 | 61   | 3+3 | 30 | 8x4 | 18000 | AS   | 1   | Hebrock-Brandt               | DFA54050S | DFA54050D |
| 100 | 45 | 40,6 | 3+3 | 30 | 8x4 | 18000 | AS   | 3   | Brandt                       | DFA54060S | DFA54060D |
| 100 | 48 | 40   | 3+3 | 30 | 8x4 | 18000 | AS   | 2   | Brandt /Ima /Scm/ Idm/Biesse | DFA54080S | DFA54080D |
| 100 | 48 | 25   | 3+3 | 30 | 8x4 | 18000 | AS   | 2   | Holz Her-Scm                 | DFA54090S | DFA54090D |
| 100 | 48 | 40,6 | 3+3 | 30 | 8x4 | 18000 | AS   | 3   | Brandt /Ima /Scm/ Idm/Biesse | DFA54100S | DFA54100D |
| 100 | 55 | 40,6 | 3+3 | 30 | 8x4 | 18000 | AS   | 3   | Brandt /Ima /Scm/ Idm/Biesse | DFA54120S | DFA54120D |
| 100 | 55 | 25   | 3+3 | 30 | 8x4 | 18000 | AS   | 2   | Holz Her-Scm                 | DFA54130S | DFA54130D |
| 100 | 65 | 75   | 3+3 | 30 | 8x4 | 18000 | S    | 1   | Biesse                       | DFA54160S | DFA54160D |
| 100 | 65 | 40   | 3+3 | 30 | 8x4 | 18000 | AS   | 2   | Holz-Her                     | DFA54170S | DFA54170D |
| 100 | 65 | 26   | 3+3 | 30 | 8x4 | 18000 | AS   | 2   | Holz Her-Scm                 | DFA54180S | DFA54180D |
| 100 | 65 | 40,6 | 3+3 | 30 | 8x4 | 18000 | AS   | 3   | Brandt /Ima /Scm/ Idm/Biesse | DFA54190S | DFA54190D |
| 125 | 34 | 36   | 3+3 | 30 | 8x4 | 15000 | AS   | 1   | Ima-Homag                    | DFA54195S | DFA54195D |
| 125 | 34 | 36   | 4+4 | 30 | 8x4 | 15000 | AS   | 1   | Ima-Homag                    | DFA54200S | DFA54200D |
| 125 | 45 | 47   | 3+3 | 30 | 8x4 | 15000 | AS   | 1   | Ima-Biesse                   | DFA54215S | DFA54215D |
| 125 | 45 | 47   | 4+4 | 30 | 8x4 | 15000 | AS   | 1   | Ima-Biesse                   | DFA54220S | DFA54220D |
| 125 | 45 | 40   | 3+3 | 30 | 8x4 | 15000 | AS   | 3   | Homag-Biesse                 | DFA54225S | DFA54225D |
| 125 | 45 | 40   | 4+4 | 30 | 8x4 | 15000 | AS   | 3   | Homag-Biesse                 | DFA54230S | DFA54230D |

| D   | B  | b    | Z   | d  | DKN | n.max | AS/S | Hub | Machine                         | Code      | Code      |
|-----|----|------|-----|----|-----|-------|------|-----|---------------------------------|-----------|-----------|
| 125 | 48 | 50   | 3+3 | 30 | 8x4 | 15000 | AS   | 1   | Biesse                          | DFA54235S | DFA54235D |
| 125 | 48 | 50   | 4+4 | 30 | 8x4 | 15000 | AS   | 1   | Biesse                          | DFA54240S | DFA54240D |
| 125 | 48 | 40   | 3+3 | 30 | 8x4 | 15000 | AS   | 2   | Homag                           | DFA54245S | DFA54245D |
| 125 | 48 | 40   | 4+4 | 30 | 8x4 | 15000 | AS   | 2   | Homag                           | DFA54250S | DFA54250D |
| 125 | 65 | 49   | 3+3 | 30 | 8x4 | 15000 | AS   | 2   | Biesse                          | DFA54265S | DFA54265D |
| 125 | 65 | 49   | 4+4 | 30 | 8x4 | 15000 | AS   | 2   | Biesse                          | DFA54270S | DFA54270D |
| 125 | 65 | 40   | 3+3 | 30 | 8x4 | 15000 | AS   | 2   | Homag                           | DFA54285S | DFA54285D |
| 125 | 65 | 40   | 4+4 | 30 | 8x4 | 15000 | AS   | 2   | Homag                           | DFA54290S | DFA54290D |
| 125 | 65 | 40,6 | 3+3 | 30 | 8x4 | 15000 | AS   | 3   | Brandt /Ima /Scm/<br>Idm/Biesse | DFA54295S | DFA54295D |
| 125 | 65 | 40,6 | 4+4 | 30 | 8x4 | 15000 | AS   | 3   | Brandt /Ima /Scm/<br>Idm/Biesse | DFA54300S | DFA54300D |
| 150 | 43 | 40   | 3+3 | 30 | 8x4 | 12000 | AS   | 2   | Homag                           | DFA54305S | DFA54305D |
| 150 | 43 | 40   | 4+4 | 30 | 8x4 | 12000 | AS   | 2   | Homag                           | DFA54310S | DFA54310D |
| 150 | 65 | 40   | 3+3 | 30 | 8x4 | 12000 | AS   | 2   | Homag                           | DFA54315S | DFA54315D |
| 150 | 65 | 40   | 4+4 | 30 | 8x4 | 12000 | AS   | 2   | Homag                           | DFA54320S | DFA54320D |

# Jointing



## PCD Jointing Cutters 30° Progressively adjustable two-part

### Technical features:

- 30° shear angle geometry for high quality edge finish, reduced cutting pressure and low noise
- "Easy Flow" gullets for optimized chip removal and reduced machine malfunctions
- Symmetrical designs
- Two-part adjustable via spacers
- Left and Right hand rotations
- Resharpenable cutter (max 6-8 times)

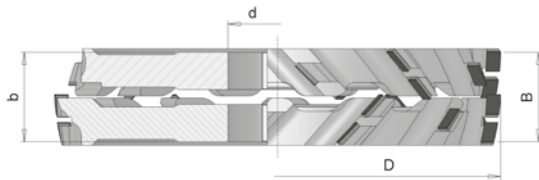
### Applications:

- For CNC machine
- For jointing:
  - Melamine
  - Paper
  - HPL
  - Foiled and veneered panels

| D   | B     | b  | Z   | d  | DKN  | n.max | HDP | Code      | Code      |
|-----|-------|----|-----|----|------|-------|-----|-----------|-----------|
| 80  | 24/30 | 30 | 3+3 | 30 | 8x4  | 23000 | 5,7 | DSA30005S | DSA30005D |
| 80  | 29/35 | 35 | 3+3 | 30 | 8x4  | 23000 | 5,7 | DSA30010S | DSA30010D |
| 80  | 34/40 | 40 | 3+3 | 30 | 8x4  | 23000 | 5,7 | DSA30015S | DSA30015D |
| 80  | 39/45 | 45 | 3+3 | 30 | 8x4  | 23000 | 5,7 | DSA30020S | DSA30020D |
| 100 | 24/30 | 30 | 3+3 | 30 | 8x4  | 18000 | 5,7 | DSA30025S | DSA30025D |
| 100 | 29/35 | 35 | 3+3 | 30 | 8x4  | 18000 | 5,7 | DSA30030S | DSA30030D |
| 100 | 34/40 | 40 | 3+3 | 30 | 8x4  | 18000 | 5,7 | DSA30035S | DSA30035D |
| 100 | 39/45 | 45 | 3+3 | 30 | 8x4  | 18000 | 5,7 | DSA30040S | DSA30040D |
| 125 | 24/30 | 30 | 3+3 | 30 | 8x4  | 15000 | 5,7 | DSA30045S | DSA30045D |
| 125 | 29/35 | 35 | 3+3 | 30 | 8x4  | 15000 | 5,7 | DSA30050S | DSA30050D |
| 125 | 34/40 | 40 | 3+3 | 30 | 8x4  | 15000 | 5,7 | DSA30055S | DSA30055D |
| 125 | 39/45 | 45 | 3+3 | 30 | 8x4  | 15000 | 5,7 | DSA30060S | DSA30060D |
| 180 | 24/30 | 30 | 6+6 | 35 | 10x4 | 10000 | 5,7 | DSA30065S | DSA30065D |
| 180 | 29/35 | 35 | 6+6 | 35 | 10x4 | 10000 | 5,7 | DSA30070S | DSA30070D |
| 180 | 34/40 | 40 | 6+6 | 35 | 10x4 | 10000 | 5,7 | DSA30075S | DSA30075D |
| 180 | 39/45 | 45 | 6+6 | 35 | 10x4 | 10000 | 5,7 | DSA30080S | DSA30080D |
| 180 | 24/30 | 30 | 6+6 | 40 | 12x5 | 10000 | 5,7 | DSA30085S | DSA30085D |
| 180 | 29/35 | 35 | 6+6 | 40 | 12x5 | 10000 | 5,7 | DSA30090S | DSA30090D |
| 180 | 34/40 | 40 | 6+6 | 40 | 12x5 | 10000 | 5,7 | DSA30095S | DSA30095D |
| 180 | 39/45 | 45 | 6+6 | 40 | 12x5 | 10000 | 5,7 | DSA30100S | DSA30100D |
| 180 | 24/30 | 30 | 8+8 | 35 | 10x4 | 10000 | 5,7 | DSA30105S | DSA30105D |
| 180 | 29/35 | 35 | 8+8 | 35 | 10x4 | 10000 | 5,7 | DSA30110S | DSA30110D |

| D   | B     | b  | Z   | d  | DKN  | n.max | HDP | Code      | Code      |
|-----|-------|----|-----|----|------|-------|-----|-----------|-----------|
| 180 | 34/40 | 40 | 8+8 | 35 | 10x4 | 10000 | 5,7 | DSA30115S | DSA30115D |
| 180 | 39/45 | 45 | 8+8 | 35 | 10x4 | 10000 | 5,7 | DSA30120S | DSA30120D |
| 180 | 24/30 | 30 | 8+8 | 40 | 12x5 | 10000 | 5,7 | DSA30125S | DSA30125D |
| 180 | 29/35 | 35 | 8+8 | 40 | 12x5 | 10000 | 5,7 | DSA30130S | DSA30130D |
| 180 | 34/40 | 40 | 8+8 | 40 | 12x5 | 10000 | 5,7 | DSA30135S | DSA30135D |
| 180 | 39/45 | 45 | 8+8 | 40 | 12x5 | 10000 | 5,7 | DSA30140S | DSA30140D |
| 200 | 24/30 | 30 | 6+6 | 35 | 10x4 | 9000  | 5,7 | DSA30145S | DSA30145D |
| 200 | 29/35 | 35 | 6+6 | 35 | 10x4 | 9000  | 5,7 | DSA30150S | DSA30150D |
| 200 | 34/40 | 40 | 6+6 | 35 | 10x4 | 9000  | 5,7 | DSA30155S | DSA30155D |
| 200 | 39/45 | 45 | 6+6 | 35 | 10x4 | 9000  | 5,7 | DSA30160S | DSA30160D |
| 200 | 24/30 | 30 | 6+6 | 40 | 12x5 | 9000  | 5,7 | DSA30165S | DSA30165D |
| 200 | 29/35 | 35 | 6+6 | 40 | 12x5 | 9000  | 5,7 | DSA30170S | DSA30170D |
| 200 | 34/40 | 40 | 6+6 | 40 | 12x5 | 9000  | 5,7 | DSA30175S | DSA30175D |
| 200 | 39/45 | 45 | 6+6 | 40 | 12x5 | 9000  | 5,7 | DSA30180S | DSA30180D |
| 200 | 24/30 | 30 | 8+8 | 35 | 10x4 | 9000  | 5,7 | DSA30185S | DSA30185D |
| 200 | 29/35 | 35 | 8+8 | 35 | 10x4 | 9000  | 5,7 | DSA30190S | DSA30190D |
| 200 | 34/40 | 40 | 8+8 | 35 | 10x4 | 9000  | 5,7 | DSA30195S | DSA30195D |
| 200 | 39/45 | 45 | 8+8 | 35 | 10x4 | 9000  | 5,7 | DSA30200S | DSA30200D |
| 200 | 24/30 | 30 | 8+8 | 40 | 12x5 | 9000  | 5,7 | DSA30205S | DSA30205D |
| 200 | 29/35 | 35 | 8+8 | 40 | 12x5 | 9000  | 5,7 | DSA30210S | DSA30210D |
| 200 | 34/40 | 40 | 8+8 | 40 | 12x5 | 9000  | 5,7 | DSA30215S | DSA30215D |
| 200 | 39/45 | 45 | 8+8 | 40 | 12x5 | 9000  | 5,7 | DSA30220S | DSA30220D |

# Jointing



## PCD Jointing Cutters 45° Progressively adjustable two-part

### Technical features:

- 45° shear angle geometry for high quality edge finish, reduced cutting pressure and low noise
- "Easy Flow" gullets for optimized chip removal and reduced machine malfunctions
- Symmetrical designs
- Two-part adjustable via spacers
- Left and Right hand rotations
- Resharpenable cutters (max 6-8 times)

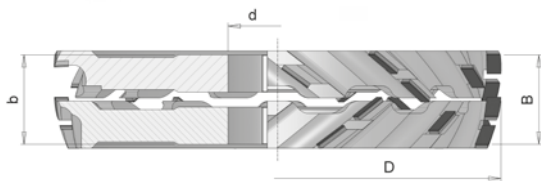
### Applications:

- For CNC machine
- For jointing:
  - Melamine
  - Paper
  - HPL
  - Foiled and veneered panels

| D   | B     | b  | Z   | d  | DKN  | n.max | HDP | Code      | Code      |
|-----|-------|----|-----|----|------|-------|-----|-----------|-----------|
| 80  | 24/30 | 30 | 3+3 | 30 | 8x4  | 23000 | 5,7 | DSA45005S | DSA45005D |
| 80  | 29/35 | 35 | 3+3 | 30 | 8x4  | 23000 | 5,7 | DSA45010S | DSA45010D |
| 80  | 34/40 | 40 | 3+3 | 30 | 8x4  | 23000 | 5,7 | DSA45015S | DSA45015D |
| 80  | 39/45 | 45 | 3+3 | 30 | 8x4  | 23000 | 5,7 | DSA45020S | DSA45020D |
| 100 | 24/30 | 30 | 3+3 | 30 | 8x4  | 18000 | 5,7 | DSA45025S | DSA45025D |
| 100 | 29/35 | 35 | 3+3 | 30 | 8x4  | 18000 | 5,7 | DSA45030S | DSA45030D |
| 100 | 34/40 | 40 | 3+3 | 30 | 8x4  | 18000 | 5,7 | DSA45035S | DSA45035D |
| 100 | 39/45 | 45 | 3+3 | 30 | 8x4  | 18000 | 5,7 | DSA45040S | DSA45040D |
| 125 | 24/30 | 30 | 3+3 | 30 | 8x4  | 15000 | 5,7 | DSA45045S | DSA45045D |
| 125 | 29/35 | 35 | 3+3 | 30 | 8x4  | 15000 | 5,7 | DSA45050S | DSA45050D |
| 125 | 34/40 | 40 | 3+3 | 30 | 8x4  | 15000 | 5,7 | DSA45055S | DSA45055D |
| 125 | 39/45 | 45 | 3+3 | 30 | 8x4  | 15000 | 5,7 | DSA45060S | DSA45060D |
| 180 | 24/30 | 30 | 6+6 | 35 | 10x4 | 10000 | 5,7 | DSA45065S | DSA45065D |
| 180 | 29/35 | 35 | 6+6 | 35 | 10x4 | 10000 | 5,7 | DSA45070S | DSA45070D |
| 180 | 34/40 | 40 | 6+6 | 35 | 10x4 | 10000 | 5,7 | DSA45075S | DSA45075D |
| 180 | 39/45 | 45 | 6+6 | 35 | 10x4 | 10000 | 5,7 | DSA45080S | DSA45080D |
| 180 | 24/30 | 30 | 6+6 | 40 | 12x5 | 10000 | 5,7 | DSA45085S | DSA45085D |
| 180 | 29/35 | 35 | 6+6 | 40 | 12x5 | 10000 | 5,7 | DSA45090S | DSA45090D |
| 180 | 34/40 | 40 | 6+6 | 40 | 12x5 | 10000 | 5,7 | DSA45095S | DSA45095D |
| 180 | 39/45 | 45 | 6+6 | 40 | 12x5 | 10000 | 5,7 | DSA45100S | DSA45100D |
| 180 | 24/30 | 30 | 8+8 | 35 | 10x4 | 10000 | 5,7 | DSA45105S | DSA45105D |
| 180 | 29/35 | 35 | 8+8 | 35 | 10x4 | 10000 | 5,7 | DSA45110S | DSA45110D |

| D   | B     | b  | Z   | d  | DKN  | n.max | HDP | Code      | Code      |
|-----|-------|----|-----|----|------|-------|-----|-----------|-----------|
| 180 | 34/40 | 40 | 8+8 | 35 | 10x4 | 10000 | 5,7 | DSA45115S | DSA45115D |
| 180 | 39/45 | 45 | 8+8 | 35 | 10x4 | 10000 | 5,7 | DSA45120S | DSA45120D |
| 180 | 24/30 | 30 | 8+8 | 40 | 12x5 | 10000 | 5,7 | DSA45125S | DSA45125D |
| 180 | 29/35 | 35 | 8+8 | 40 | 12x5 | 10000 | 5,7 | DSA45130S | DSA45130D |
| 180 | 34/40 | 40 | 8+8 | 40 | 12x5 | 10000 | 5,7 | DSA45135S | DSA45135D |
| 180 | 39/45 | 45 | 8+8 | 40 | 12x5 | 10000 | 5,7 | DSA45140S | DSA45140D |
| 200 | 24/30 | 30 | 6+6 | 35 | 10x4 | 9000  | 5,7 | DSA45145S | DSA45145D |
| 200 | 29/35 | 35 | 6+6 | 35 | 10x4 | 9000  | 5,7 | DSA45150S | DSA45150D |
| 200 | 34/40 | 40 | 6+6 | 35 | 10x4 | 9000  | 5,7 | DSA45155S | DSA45155D |
| 200 | 39/45 | 45 | 6+6 | 35 | 10x4 | 9000  | 5,7 | DSA45160S | DSA45160D |
| 200 | 24/30 | 30 | 6+6 | 40 | 12x5 | 9000  | 5,7 | DSA45165S | DSA45165D |
| 200 | 29/35 | 35 | 6+6 | 40 | 12x5 | 9000  | 5,7 | DSA45170S | DSA45170D |
| 200 | 34/40 | 40 | 6+6 | 40 | 12x5 | 9000  | 5,7 | DSA45175S | DSA45175D |
| 200 | 39/45 | 45 | 6+6 | 40 | 12x5 | 9000  | 5,7 | DSA45180S | DSA45180D |
| 200 | 24/30 | 30 | 8+8 | 35 | 10x4 | 9000  | 5,7 | DSA45185S | DSA45185D |
| 200 | 29/35 | 35 | 8+8 | 35 | 10x4 | 9000  | 5,7 | DSA45190S | DSA45190D |
| 200 | 34/40 | 40 | 8+8 | 35 | 10x4 | 9000  | 5,7 | DSA45195S | DSA45195D |
| 200 | 39/45 | 45 | 8+8 | 35 | 10x4 | 9000  | 5,7 | DSA45200S | DSA45200D |
| 200 | 24/30 | 30 | 8+8 | 40 | 12x5 | 9000  | 5,7 | DSA45205S | DSA45205D |
| 200 | 29/35 | 35 | 8+8 | 40 | 12x5 | 9000  | 5,7 | DSA45210S | DSA45210D |
| 200 | 34/40 | 40 | 8+8 | 40 | 12x5 | 9000  | 5,7 | DSA45215S | DSA45215D |
| 200 | 39/45 | 45 | 8+8 | 40 | 12x5 | 9000  | 5,7 | DSA45220S | DSA45220D |

# Jointing



## PCD Jointing Cutters 54° Progressively adjustable two-part

### Technical features:

- 54° shear angle geometry for high quality edge finish, reduced cutting pressure and low noise
- "Easy Flow" gullets for optimized chip removal and reduced machine malfunctions
- Symmetrical designs
- Two-part adjustable via spacers
- Left and Right hand rotations
- Resharpenable cutter (max 6-8 times)

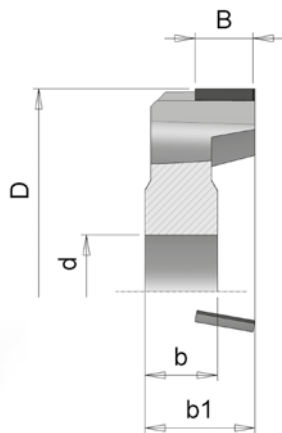
### Applications:

- For CNC machine
- For jointing:
  - Melamine
  - Paper
  - HPL
  - Foiled and veneered panels

| D   | B     | b  | Z   | d  | DKN  | n.max | HDP | Code      | Code      |
|-----|-------|----|-----|----|------|-------|-----|-----------|-----------|
| 80  | 24/30 | 30 | 3+3 | 30 | 8x4  | 23000 | 5,7 | DSA54005S | DSA54005D |
| 80  | 29/35 | 35 | 3+3 | 30 | 8x4  | 23000 | 5,7 | DSA54010S | DSA54010D |
| 80  | 34/40 | 40 | 3+3 | 30 | 8x4  | 23000 | 5,7 | DSA54015S | DSA54015D |
| 80  | 39/45 | 45 | 3+3 | 30 | 8x4  | 23000 | 5,7 | DSA54020S | DSA54020D |
| 100 | 24/30 | 30 | 3+3 | 30 | 8x4  | 18000 | 5,7 | DSA54025S | DSA54025D |
| 100 | 29/35 | 35 | 3+3 | 30 | 8x4  | 18000 | 5,7 | DSA54030S | DSA54030D |
| 100 | 34/40 | 40 | 3+3 | 30 | 8x4  | 18000 | 5,7 | DSA54035S | DSA54035D |
| 100 | 39/45 | 45 | 3+3 | 30 | 8x4  | 18000 | 5,7 | DSA54040S | DSA54040D |
| 125 | 24/30 | 30 | 3+3 | 30 | 8x4  | 15000 | 5,7 | DSA54045S | DSA54045D |
| 125 | 29/35 | 35 | 3+3 | 30 | 8x4  | 15000 | 5,7 | DSA54050S | DSA54050D |
| 125 | 34/40 | 40 | 3+3 | 30 | 8x4  | 15000 | 5,7 | DSA54055S | DSA54055D |
| 125 | 39/45 | 45 | 3+3 | 30 | 8x4  | 15000 | 5,7 | DSA54060S | DSA54060D |
| 180 | 24/30 | 30 | 6+6 | 35 | 10x4 | 10000 | 5,7 | DSA54065S | DSA54065D |
| 180 | 29/35 | 35 | 6+6 | 35 | 10x4 | 10000 | 5,7 | DSA54070S | DSA54070D |
| 180 | 34/40 | 40 | 6+6 | 35 | 10x4 | 10000 | 5,7 | DSA54075S | DSA54075D |
| 180 | 39/45 | 45 | 6+6 | 35 | 10x4 | 10000 | 5,7 | DSA54080S | DSA54080D |
| 180 | 24/30 | 30 | 6+6 | 40 | 12x5 | 10000 | 5,7 | DSA54085S | DSA54085D |
| 180 | 29/35 | 35 | 6+6 | 40 | 12x5 | 10000 | 5,7 | DSA54090S | DSA54090D |
| 180 | 34/40 | 40 | 6+6 | 40 | 12x5 | 10000 | 5,7 | DSA54095S | DSA54095D |
| 180 | 39/45 | 45 | 6+6 | 40 | 12x5 | 10000 | 5,7 | DSA54100S | DSA54100D |
| 180 | 24/30 | 30 | 8+8 | 35 | 10x4 | 10000 | 5,7 | DSA54105S | DSA54105D |
| 180 | 29/35 | 35 | 8+8 | 35 | 10x4 | 10000 | 5,7 | DSA54110S | DSA54110D |

| D   | B     | b  | Z   | d  | DKN  | n.max | HDP | Code      | Code      |
|-----|-------|----|-----|----|------|-------|-----|-----------|-----------|
| 180 | 34/40 | 40 | 8+8 | 35 | 10x4 | 10000 | 5,7 | DSA54115S | DSA54115D |
| 180 | 39/45 | 45 | 8+8 | 35 | 10x4 | 10000 | 5,7 | DSA54120S | DSA54120D |
| 180 | 24/30 | 30 | 8+8 | 40 | 12x5 | 10000 | 5,7 | DSA54125S | DSA54125D |
| 180 | 29/35 | 35 | 8+8 | 40 | 12x5 | 10000 | 5,7 | DSA54130S | DSA54130D |
| 180 | 34/40 | 40 | 8+8 | 40 | 12x5 | 10000 | 5,7 | DSA54135S | DSA54135D |
| 180 | 39/45 | 45 | 8+8 | 40 | 12x5 | 10000 | 5,7 | DSA54140S | DSA54140D |
| 200 | 24/30 | 30 | 6+6 | 35 | 10x4 | 9000  | 5,7 | DSA54145S | DSA54145D |
| 200 | 29/35 | 35 | 6+6 | 35 | 10x4 | 9000  | 5,7 | DSA54150S | DSA54150D |
| 200 | 34/40 | 40 | 6+6 | 35 | 10x4 | 9000  | 5,7 | DSA54155S | DSA54155D |
| 200 | 39/45 | 45 | 6+6 | 35 | 10x4 | 9000  | 5,7 | DSA54160S | DSA54160D |
| 200 | 24/30 | 30 | 6+6 | 40 | 12x5 | 9000  | 5,7 | DSA54165S | DSA54165D |
| 200 | 29/35 | 35 | 6+6 | 40 | 12x5 | 9000  | 5,7 | DSA54170S | DSA54170D |
| 200 | 34/40 | 40 | 6+6 | 40 | 12x5 | 9000  | 5,7 | DSA54175S | DSA54175D |
| 200 | 39/45 | 45 | 6+6 | 40 | 12x5 | 9000  | 5,7 | DSA54180S | DSA54180D |
| 200 | 24/30 | 30 | 8+8 | 35 | 10x4 | 9000  | 5,7 | DSA54185S | DSA54185D |
| 200 | 29/35 | 35 | 8+8 | 35 | 10x4 | 9000  | 5,7 | DSA54190S | DSA54190D |
| 200 | 34/40 | 40 | 8+8 | 35 | 10x4 | 9000  | 5,7 | DSA54195S | DSA54195D |
| 200 | 39/45 | 45 | 8+8 | 35 | 10x4 | 9000  | 5,7 | DSA54200S | DSA54200D |
| 200 | 24/30 | 30 | 8+8 | 40 | 12x5 | 9000  | 5,7 | DSA54205S | DSA54205D |
| 200 | 29/35 | 35 | 8+8 | 40 | 12x5 | 9000  | 5,7 | DSA54210S | DSA54210D |
| 200 | 34/40 | 40 | 8+8 | 40 | 12x5 | 9000  | 5,7 | DSA54215S | DSA54215D |
| 200 | 39/45 | 45 | 8+8 | 40 | 12x5 | 9000  | 5,7 | DSA54220S | DSA54220D |

# Edge Cutters



## DBB (Z4-Z6)

### Technical features:

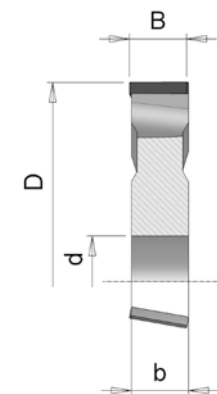
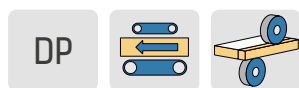
- Edge Jointing cutter
- 4 / 6 PCD cutting edges (2 mm tip height)
- Economy and Performance
- Polished diamond face
- Resharpenable cutter (max 1 time)

### Applications:

- For Brandt, Homag, SCM, IDM, IMA edge banding machines
- For edge jointing and flush cutting of:
  - Solid wood
  - Veneer and plastic edge bands

| D  | B  | b    | b1 | d  | Z | DKN   | Machine                      | Code (LH) | Code (RH) |
|----|----|------|----|----|---|-------|------------------------------|-----------|-----------|
| 70 | 10 | 12,5 | 19 | 20 | 4 | 6x3,5 | Brandt, Homag, SCM, IDM, IMA | DBB01S    | DBB01D    |
| 70 | 10 | 12,5 | 19 | 20 | 6 | 6x3,5 | Brandt, Homag, SCM, IDM, IMA | DBB02S    | DBB02D    |

# Edge Cutters



## DBA (Z4-Z6)

### Technical features:

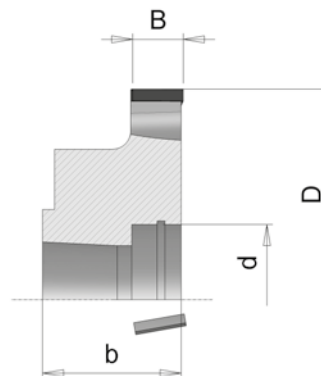
- Edge Jointing cutter
- 4 / 6 PCD cutting edges (2 mm tip height)
- Economy and Performance
- Polished diamond face
- Resharpenable cutter (max 1 time)

### Applications:

- For Brandt, Homag, SCM, IDM, IMA edge banding machines
- For edge jointing and flush cutting of:
  - Solid wood
  - Veneer and plastic edge bands

| D  | B  | b  | d  | Z | DKN   | Machine       | Code (LH) | Code (RH) |
|----|----|----|----|---|-------|---------------|-----------|-----------|
| 70 | 10 | 10 | 16 | 4 | 5x2,3 | Brandt, Homag | DBA01S    | DBA01D    |
| 70 | 10 | 10 | 16 | 6 | 5x2,3 | Brandt, Homag | DBA02S    | DBA02D    |

# Edge Cutters



## DBH25FØ (Z4-Z6)

### Technical features:

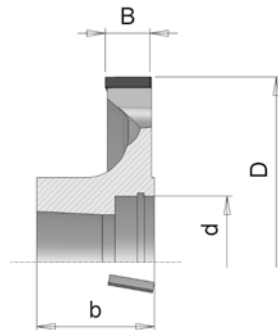
- Edge Jointing cutter with shear angle
- Machine interface: HSK 25R
- 4 / 6 DP cutting edges (2 mm tip height)
- 2 models available: Eco Vantage (DBH25F0\_) or with "Easy-Flow" gullets for directional chip removal (DBH25F1\_)
- Polished diamond face
- Resharpenable cutter (max 1 time)

### Applications:

- For Homag & IMA edge banding machines
- For flush cutting and chamfering of:
  - Solid wood
  - Veneer and plastic edge bands

| D  | B  | b  | d       | Z | Machine     | Code (LH) | Code (RH) |
|----|----|----|---------|---|-------------|-----------|-----------|
| 70 | 8  | 23 | HSK 25R | 4 | Homag - IMA | DBH25F01S | DBH25F01D |
| 70 | 15 | 23 | HSK 25R | 4 | Homag - IMA | DBH25F02S | DBH25F02D |
| 70 | 8  | 23 | HSK 25R | 6 | Homag - IMA | DBH25F03S | DBH25F03D |
| 70 | 15 | 23 | HSK 25R | 6 | Homag - IMA | DBH25F04S | DBH25F04D |

# Edge Cutters



## DBH25F1 (Z4-Z6-Z8)

### Technical features:

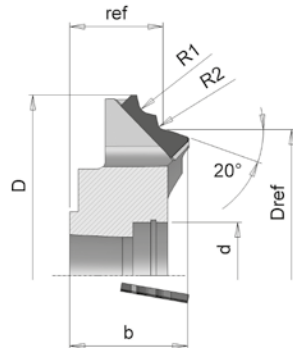
- Edge Jointing cutter with shear angle
- Machine interface: HSK 25R
- 4 / 6 / 8 DP cutting edges (2 mm tip height)
- 2 models available: Eco Vantage (DBH25F0\_) or with "Easy-Flow" gullets for directional chip removal (DBH25F1\_)
- Polished diamond face
- Resharpenable cutter (max 1 time)

### Applications:

- For Homag & IMA edge banding machines
- For flush cutting and chamfering of:
  - Solid wood
  - Veneer and plastic edge bands

| D  | B   | b    | d       | Z | Machine     | Code (LH) | Code (RH) |
|----|-----|------|---------|---|-------------|-----------|-----------|
| 70 | 8,5 | 22,2 | HSK 25R | 4 | Homag - IMA | DBH25F11S | DBH25F11D |
| 70 | 8,5 | 22,2 | HSK 25R | 6 | Homag - IMA | DBH25F12S | DBH25F12D |
| 70 | 8,5 | 22,2 | HSK 25R | 8 | Homag - IMA | DBH25F13S | DBH25F13D |
| 70 | 15  | 23   | HSK 25R | 4 | Homag - IMA | DBH25F14S | DBH25F14D |
| 70 | 15  | 23   | HSK 25R | 6 | Homag - IMA | DBH25F15S | DBH25F15D |
| 70 | 8   | 23   | HSK 25R | 4 | Homag - IMA | DBH25F16S | DBH25F16D |
| 70 | 8   | 23   | HSK 25R | 6 | Homag - IMA | DBH25F17S | DBH25F17D |
| 70 | 8   | 23   | HSK 25R | 8 | Homag - IMA | DBH25F18S | DBH25F18D |

# Edge Cutters



## DBH25MØ (Z4)

### Technical features:

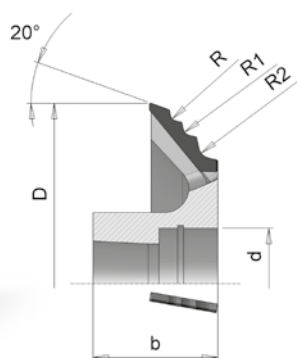
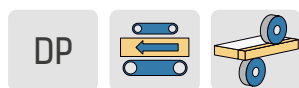
- Edge Rounding / Chamfering cutter with shear angle
- Machine interface: HSK 25R
- 4 PCD cutting edges (3 mm tip height)
- 2 models available: Eco Vantage (DBH25MØ\_) or with "Easy-Flow" gullets for directional chip removal (DBH25M2\_)
- Polished diamond face
- Resharpenable cutter (max 4 times)

### Applications:

- For Homag edge banding machines
- For rounding and chamfering of:
  - Solid wood
  - Veneer and plastic edge bands

| R | R1 | R2 | chamfer | D  | D ref | ref   | b  | d       | Z | Code (LH) | Code (RH) |
|---|----|----|---------|----|-------|-------|----|---------|---|-----------|-----------|
| - | 3  | 2  | 20      | 85 | 69    | 22,75 | 28 | HSK 25R | 4 | DBH25M01S | DBH25M01D |

# Edge Cutters



## DBH25M2 (Z4-Z6)

### Technical features:

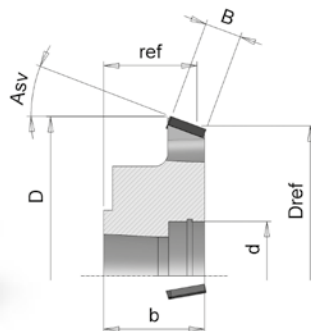
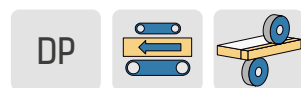
- Edge Rounding / Chamfering cutter with shear angle
- Machine interface: HSK 25R
- 4 / 6 PCD cutting edges (3 mm tip height)
- 2 models available: Eco Vantage (DBH25MØ\_) or with "Easy-Flow" gullets for directional chip removal (DBH25M2\_)
- Polished diamond face
- Resharpenable cutter (max 4 times)

### Applications:

- For Homag edge banding machines
- For rounding and chamfering of:
  - Solid wood
  - Veneer and plastic edge bands

| R   | R1 | R2 | chamfer | D    | D ref | ref | b  | d       | Z | Code (LH) | Code (RH) |
|-----|----|----|---------|------|-------|-----|----|---------|---|-----------|-----------|
| 3   | 2  | -  | 20      | 81,1 | -     | -   | 28 | HSK 25R | 4 | DBH25M21S | DBH25M21D |
| 3   | 2  | -  | 20      | 81,1 | -     | -   | 28 | HSK 25R | 6 | DBH25M22S | DBH25M22D |
| 1,5 | 2  | 3  | 20      | 81,1 | -     | -   | 28 | HSK 25R | 4 | DBH25M23S | DBH25M23D |
| 1,5 | 2  | 3  | 20      | 81,1 | -     | -   | 28 | HSK 25R | 6 | DBH25M24S | DBH25M24D |

# Edge Cutters



## DBH25PØ (Z4)

### Technical features:

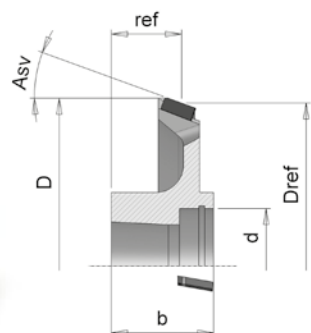
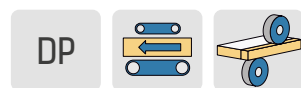
- Edge Chamfering cutter with shear angle
- Machine interface: HSK 25R
- 4 PCD cutting edges (2 & 3 mm tip height)
- 2 models available: Eco Vantage (DBH25PØ) or with "Easy-Flow" gullets for directional chip removal (DBH25P1\_)
- Polished diamond face
- Resharpenable cutter (max 1 time for DBH25PØ and max 4 times for DBH25P1)

### Applications:

- For Homag & IMA edge banding machines
- For flush cutting and chamfering of:
  - Solid wood
  - Veneer and plastic edge bands

| chamfer | D  | D ref | ref  | B | b  | d       | Z | Code (LH) | Code (RH) |
|---------|----|-------|------|---|----|---------|---|-----------|-----------|
| 20      | 73 | 70    | 21,5 | 8 | 23 | HSK 25R | 4 | DBH25PØ1S | DBH25PØ1D |

# Edge Cutters



## DBH25P1 (Z4-Z6)

### Technical features:

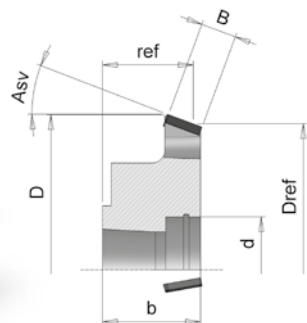
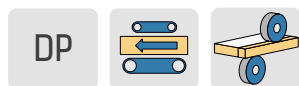
- Edge Chamfering cutter with shear angle
- Machine interface: HSK 25R
- 4 / 6 PCD cutting edges (2 & 3 mm tip height)
- 2 models available: Eco Vantage (DBH25PØ) or with "Easy-Flow" gullets for directional chip removal (DBH25P1\_)
- Polished diamond face
- Resharpenable cutter (max 1 time for DBH25PØ and max 4 times for DBH25P1)

### Applications:

- For Homag & IMA edge banding machines
- For flush cutting and chamfering of:
  - Solid wood
  - Veneer and plastic edge bands

| chamfer | D  | D ref | ref  | B | b    | d       | Z | Code (LH) | Code (RH) |
|---------|----|-------|------|---|------|---------|---|-----------|-----------|
| 20      | 73 | 70    | 16,5 | - | 22,2 | HSK 25R | 4 | DBH25P11S | DBH25P11D |
| 45      | 73 | 70    | 16,5 | - | 22,2 | HSK 25R | 4 | DBH25P12S | DBH25P12D |
| 20      | 73 | 70    | 16,5 | - | 22,2 | HSK 25R | 6 | DBH25P13S | DBH25P13D |
| 45      | 73 | 70    | 16,5 | - | 22,2 | HSK 25R | 6 | DBH25P14S | DBH25P14D |

# Edge Cutters



## DBH25R (Z4-Z6)

### Technical features:

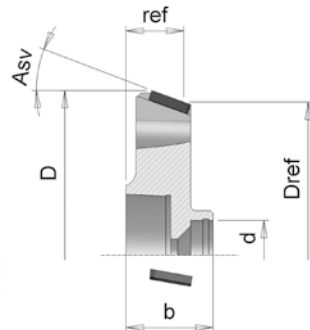
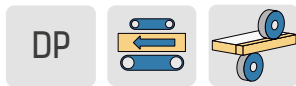
- Edge Rounding cutter with shear angle
- Machine interface: HSK 25R
- 4 / 6 PCD cutting edges (3 mm tip height)
- Economy and Performance
- Polished diamond face
- Resharpenable cutter (max 4 times)

### Applications:

- For rounding of:
  - - Solid wood
  - - Veneer and plastic edge bands
- For Homag & IMA edge banding machines

| R   | D    | D ref | ref  | b  | d       | Z | Code (LH) | Code (RH) |
|-----|------|-------|------|----|---------|---|-----------|-----------|
| 1,0 | 75,1 | 70    | 16,5 | 23 | HSK 25R | 4 | DBH25R01S | DBH25R01D |
| 1,5 | 76,1 | 70    | 16,5 | 23 | HSK 25R | 4 | DBH25R02S | DBH25R02D |
| 2,0 | 77,5 | 70    | 16,5 | 23 | HSK 25R | 4 | DBH25R03S | DBH25R03D |
| 2,5 | 78,1 | 70    | 16,5 | 23 | HSK 25R | 4 | DBH25R04S | DBH25R04D |
| 3,0 | 78,8 | 70    | 16,5 | 23 | HSK 25R | 4 | DBH25R05S | DBH25R05D |
| 3,5 | 80,0 | 70    | 16,5 | 23 | HSK 25R | 4 | DBH25R06S | DBH25R06D |
| 4,0 | 81,2 | 70    | 16,5 | 23 | HSK 25R | 4 | DBH25R07S | DBH25R07D |
| 4,5 | 82,3 | 70    | 16,5 | 23 | HSK 25R | 4 | DBH25R08S | DBH25R08D |
| 5,0 | 83,3 | 70    | 16,5 | 23 | HSK 25R | 4 | DBH25R09S | DBH25R09D |
| 1,0 | 75,1 | 70    | 16,5 | 23 | HSK 25R | 6 | DBH25R10S | DBH25R10D |
| 1,5 | 76,1 | 70    | 16,5 | 23 | HSK 25R | 6 | DBH25R11S | DBH25R11D |
| 2,0 | 77,5 | 70    | 16,5 | 23 | HSK 25R | 6 | DBH25R12S | DBH25R12D |
| 2,5 | 78,1 | 70    | 16,5 | 23 | HSK 25R | 6 | DBH25R13S | DBH25R13D |
| 3,0 | 78,8 | 70    | 16,5 | 23 | HSK 25R | 6 | DBH25R14S | DBH25R14D |
| 3,5 | 80,0 | 70    | 16,5 | 23 | HSK 25R | 6 | DBH25R15S | DBH25R15D |
| 4,0 | 81,2 | 70    | 16,5 | 23 | HSK 25R | 6 | DBH25R16S | DBH25R16D |
| 4,5 | 82,3 | 70    | 16,5 | 23 | HSK 25R | 6 | DBH25R17S | DBH25R17D |
| 5,0 | 83,3 | 70    | 16,5 | 23 | HSK 25R | 6 | DBH25R18S | DBH25R18D |

# Edge Cutters



## DBH32PØ (Z4)

### Technical features:

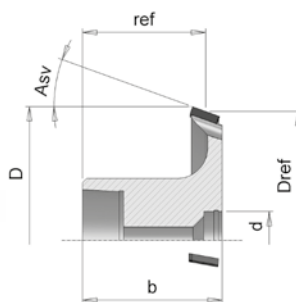
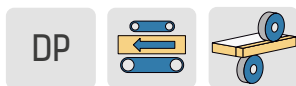
- Edge Chamfering cutter with shear angle
- Machine interface: HSK 32
- 4 PCD cutting edges (2 mm tip height)
- 2 models available: Eco Vantage (DBH32P0\_) or with "Easy-Flow" gullets for directional chip removal (DBH32P2\_)
- Polished diamond face
- Resharpenable cutter (max 1 time)

### Applications:

- For chamfering of:
  - Solid wood
  - Veneer and plastic edge bands
- For Homag aggregate FK edge banding machines

| chamfer | D    | D ref | ref  | b    | d      | Z | Code (LH) | Code (RH) |
|---------|------|-------|------|------|--------|---|-----------|-----------|
| 5       | 63,2 | 62    | 11,5 | 17,5 | HSK 32 | 4 | DBH32P01S | DBH32P01D |
| 20      | 66,5 | 62    | 11,5 | 17,5 | HSK 32 | 4 | DBH32P02S | DBH32P02D |
| 30      | 68,6 | 62    | 11,5 | 17,5 | HSK 32 | 4 | DBH32P03S | DBH32P03D |
| 45      | 71,3 | 62    | 11,5 | 17,5 | HSK 32 | 4 | DBH32P04S | DBH32P04D |

# Edge Cutters



## DBH32P2 (Z4-Z6)

### Technical features:

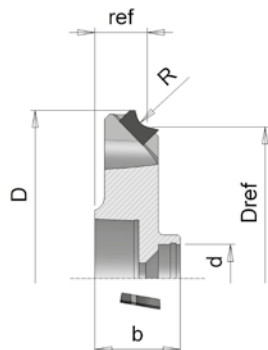
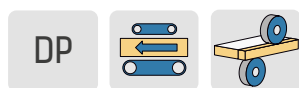
- Edge Chamfering cutter with shear angle
- Machine interface: HSK 32
- 4 / 6 PCD cutting edges (2 mm tip height)
- 2 models available: Eco Vantage (DBH32P0\_) or with "Easy-Flow" gullets for directional chip removal (DBH32P2\_)
- Polished diamond face
- Resharpenable cutter (max 1 time)

### Applications:

- For chamfering of:
  - Solid wood
  - Veneer and plastic edge bands
- For Homag aggregate FK edge banding machines

| chamfer | D    | D ref | ref  | b    | d      | Z | Code (LH) | Code (RH) |
|---------|------|-------|------|------|--------|---|-----------|-----------|
| 20      | 64,8 | 62    | 31,5 | 34,0 | HSK 32 | 4 | DBH32P21S | DBH32P21D |
| 45      | 64,8 | 62    | 31,5 | 34,0 | HSK 32 | 4 | DBH32P22S | DBH32P22D |
| 20      | 64,8 | 62    | 31,5 | 34,0 | HSK 32 | 6 | DBH32P23S | DBH32P23D |
| 45      | 64,8 | 62    | 31,5 | 34,0 | HSK 32 | 6 | DBH32P24S | DBH32P24D |

# Edge Cutters



## DBH32R (Z4-Z6)

### Technical features:

- Edge Rounding cutter with shear angle
- Machine interface: HSK 32
- 4 / 6 PCD cutting edges (3 mm tip height)
- Economy and Performance
- Polished diamond face
- Resharpenable cutter (max 4 times)

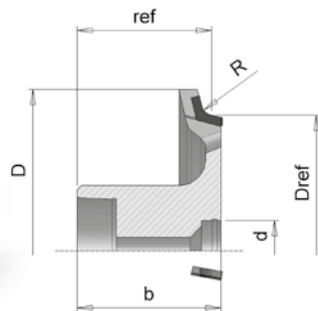
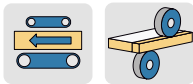
### Applications:

- For rounding of:
  - Solid wood
  - Veneer and plastic edge bands
- For Homag aggregate FK edge banding machines

| R   | D  | D ref | ref  | b    | d      | Z | Code (LH) | Code (RH) |
|-----|----|-------|------|------|--------|---|-----------|-----------|
| 0,8 | 70 | 62    | 11,5 | 17,5 | HSK 32 | 4 | DBH32R01S | DBH32R01D |
| 1,0 | 69 | 62    | 11,5 | 17,5 | HSK 32 | 4 | DBH32R02S | DBH32R02D |
| 1,5 | 69 | 62    | 11,5 | 17,5 | HSK 32 | 4 | DBH32R03S | DBH32R03D |
| 2,0 | 69 | 62    | 11,5 | 17,5 | HSK 32 | 4 | DBH32R04S | DBH32R04D |
| 2,5 | 69 | 62    | 11,5 | 17,5 | HSK 32 | 4 | DBH32R05S | DBH32R05D |
| 3,0 | 69 | 62    | 11,5 | 17,5 | HSK 32 | 4 | DBH32R06S | DBH32R06D |
| 3,5 | 72 | 62    | 11,5 | 17,5 | HSK 32 | 4 | DBH32R07S | DBH32R07D |
| 4,0 | 72 | 62    | 11,5 | 17,5 | HSK 32 | 4 | DBH32R08S | DBH32R08D |
| 4,5 | 72 | 62    | 11,5 | 17,5 | HSK 32 | 4 | DBH32R09S | DBH32R09D |
| 5,0 | 72 | 62    | 11,5 | 17,5 | HSK 32 | 4 | DBH32R10S | DBH32R10D |
| 0,8 | 70 | 62    | 11,5 | 17,5 | HSK 32 | 6 | DBH32R11S | DBH32R11D |
| 1,0 | 69 | 62    | 11,5 | 17,5 | HSK 32 | 6 | DBH32R12S | DBH32R12D |
| 1,5 | 69 | 62    | 11,5 | 17,5 | HSK 32 | 6 | DBH32R13S | DBH32R13D |
| 2,0 | 69 | 62    | 11,5 | 17,5 | HSK 32 | 6 | DBH32R14S | DBH32R14D |
| 2,5 | 69 | 62    | 11,5 | 17,5 | HSK 32 | 6 | DBH32R15S | DBH32R15D |
| 3,0 | 69 | 62    | 11,5 | 17,5 | HSK 32 | 6 | DBH32R16S | DBH32R16D |
| 3,5 | 72 | 62    | 11,5 | 17,5 | HSK 32 | 6 | DBH32R17S | DBH32R17D |
| 4,0 | 72 | 62    | 11,5 | 17,5 | HSK 32 | 6 | DBH32R18S | DBH32R18D |
| 4,5 | 72 | 62    | 11,5 | 17,5 | HSK 32 | 6 | DBH32R19S | DBH32R19D |
| 5,0 | 72 | 62    | 11,5 | 17,5 | HSK 32 | 6 | DBH32R20S | DBH32R20D |

# Edge Cutters

DP



## DBH32R4 (Z4-Z6)

### Technical features:

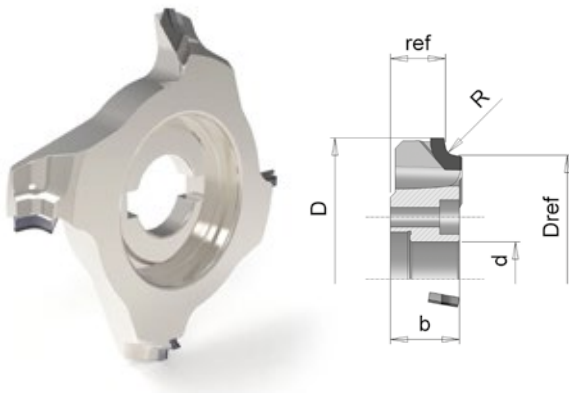
- Edge Rounding cutter with shear angle
- Machine interface: HSK 32
- 4 / 6 PCD cutting edges (3 mm tip height)
- Economy and Performance
- Polished diamond face
- Resharpenable cutter (max 4 times)

### Applications:

- For rounding of:
  - Solid wood
  - Veneer and plastic edge bands
- For Homag aggregate FK edge banding machines

| R   | D  | D ref | ref  | b  | d      | Z | Code (LH) | Code (RH) |
|-----|----|-------|------|----|--------|---|-----------|-----------|
| 1,0 | 74 | 62    | 31,5 | 33 | HSK 32 | 4 | DBH32R41S | DBH32R41D |
| 1,5 | 74 | 62    | 31,5 | 33 | HSK 32 | 4 | DBH32R42S | DBH32R42D |
| 2,0 | 74 | 62    | 31,5 | 33 | HSK 32 | 4 | DBH32R43S | DBH32R43D |
| 2,5 | 74 | 62    | 31,5 | 33 | HSK 32 | 4 | DBH32R44S | DBH32R44D |
| 3,0 | 74 | 62    | 31,5 | 33 | HSK 32 | 4 | DBH32R45S | DBH32R45D |
| 3,5 | 74 | 62    | 31,5 | 33 | HSK 32 | 4 | DBH32R46S | DBH32R46D |
| 4,0 | 74 | 62    | 31,5 | 33 | HSK 32 | 4 | DBH32R47S | DBH32R47D |
| 4,5 | 74 | 62    | 31,5 | 33 | HSK 32 | 4 | DBH32R48S | DBH32R48D |
| 5,0 | 74 | 62    | 31,5 | 33 | HSK 32 | 4 | DBH32R49S | DBH32R49D |
| 1,0 | 74 | 62    | 31,5 | 33 | HSK 32 | 6 | DBH32R4AS | DBH32R4AD |
| 1,5 | 74 | 62    | 31,5 | 33 | HSK 32 | 6 | DBH32R4BS | DBH32R4BD |
| 2,0 | 74 | 62    | 31,5 | 33 | HSK 32 | 6 | DBH32R4CS | DBH32R4CD |
| 2,5 | 74 | 62    | 31,5 | 33 | HSK 32 | 6 | DBH32R4DS | DBH32R4DD |
| 3,0 | 74 | 62    | 31,5 | 33 | HSK 32 | 6 | DBH32R4ES | DBH32R4ED |
| 3,5 | 74 | 62    | 31,5 | 33 | HSK 32 | 6 | DBH32R4FS | DBH32R4FD |
| 4,0 | 74 | 62    | 31,5 | 33 | HSK 32 | 6 | DBH32R4GS | DBH32R4GD |
| 4,5 | 74 | 62    | 31,5 | 33 | HSK 32 | 6 | DBH32R4HS | DBH32R4HD |
| 5,0 | 74 | 62    | 31,5 | 33 | HSK 32 | 6 | DBH32R4IS | DBH32R4ID |

# Edge Cutters



## DBR01 (Z4-Z6)

### Technical features:

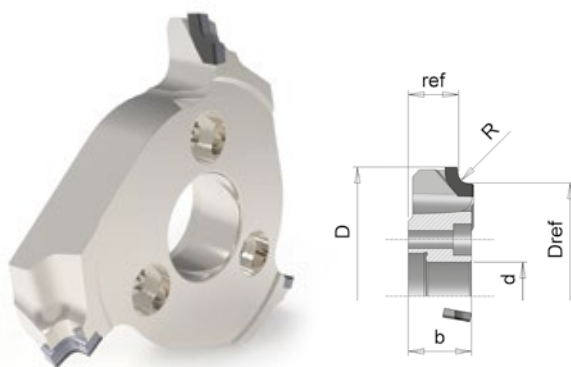
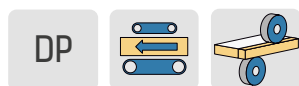
- Edge Rounding cutter with shear angle
- 4/ 6 DP cutting edges (3 mm tip height)
- Polished diamond face
- Resharpenable cutter (max 4 times)

### Applications:

- For rounding of:
  - Solid wood
  - Veneer and plastic edge bands
- For Stefani with ED system and aggregate Round/K edge banding machines

| R | D  | D ref | ref | b  | d  | Z | DKN   | Code (LH) | Code (RH) |
|---|----|-------|-----|----|----|---|-------|-----------|-----------|
| 2 | 69 | 61    | 9,1 | 12 | 16 | 4 | 5x2,3 | DBR01S    | DBR01D    |
| 3 | 69 | 61    | 9,1 | 12 | 16 | 4 | 5x2,3 | DBR02S    | DBR02D    |
| 2 | 69 | 61    | 9,1 | 12 | 16 | 6 | 5x2,3 | DBR03S    | DBR03D    |
| 3 | 69 | 61    | 9,1 | 12 | 16 | 6 | 5x2,3 | DBR04S    | DBR04D    |

# Edge Cutters



## DBR00 (Z3)

### Technical features:

- Edge Rounding cutter with shear angle
- 3 DP cutting edges (3 mm tip height)
- Polished diamond face
- Resharpenable cutter (max 4 times)

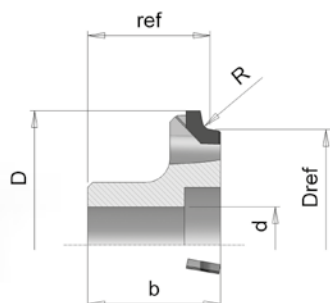
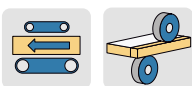
### Applications:

- For rounding of:
  - Solid wood
  - Veneer and plastic edge bands
- For Stefani with ED system and aggregate Round/K edge banding machines

| R | D  | D ref | ref | b  | d  | Z | NL       | Code (LH) | Code (RH) |
|---|----|-------|-----|----|----|---|----------|-----------|-----------|
| 2 | 57 | 50    | 11  | 14 | 15 | 3 | 3/4,2/25 | DBR005S   | DBR005D   |
| 3 | 57 | 50    | 11  | 14 | 15 | 3 | 3/4,2/25 | DBR006S   | DBR006D   |

# Edge Cutters

DP



## DBR (Z3-Z4)

### Technical features:

- Edge Rounding cutter with shear angle
- 3 / 4 DP cutting edges (3 mm tip height)
- Polished diamond face
- Resharpenable cutter (max 4 times)

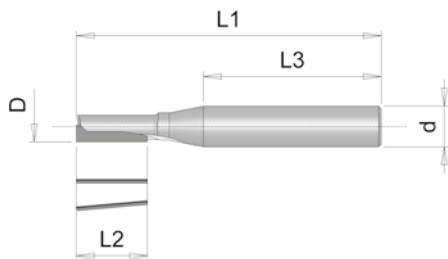
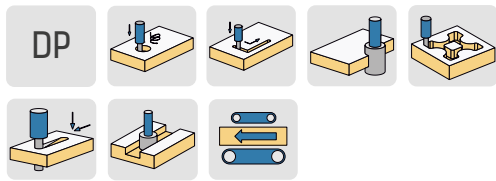
### Applications:

- For rounding of:
  - Solid wood
  - Veneer and plastic edge bands
- For Stefani with ED system and aggregate Round/K edge banding machines

| R   | D    | D ref | ref  | b  | d  | Z | DKN   | Code (LH) | Code (RH) |
|-----|------|-------|------|----|----|---|-------|-----------|-----------|
| 1,0 | 55,7 | 49,90 | 25,7 | 20 | 16 | 3 | 5x2,3 | DBR00BS   | DBR00BD   |
| 1,5 | 55,7 | 50,90 | 25,7 | 20 | 16 | 3 | 5x2,3 | DBR00CS   | DBR00CD   |
| 2,0 | 55,7 | 51,90 | 25,7 | 20 | 16 | 3 | 5x2,3 | DBR00DS   | DBR00DD   |
| 2,5 | 55,7 | 52,90 | 25,7 | 20 | 16 | 3 | 5x2,3 | DBR00ES   | DBR00ED   |
| 3,0 | 55,7 | 53,90 | 25,7 | 20 | 16 | 3 | 5x2,3 | DBR00FS   | DBR00FD   |
| 1,0 | 54,0 | 49,93 | 25,7 | 20 | 16 | 4 | 5x2,3 | DBR00GS   | DBR00GD   |
| 1,5 | 54,5 | 50,93 | 25,7 | 20 | 16 | 4 | 5x2,3 | DBR00HS   | DBR00HD   |
| 2,0 | 55,3 | 51,93 | 25,7 | 20 | 16 | 4 | 5x2,3 | DBR00IS   | DBR00ID   |
| 2,5 | 55,7 | 52,93 | 25,7 | 20 | 16 | 4 | 5x2,3 | DBR00JS   | DBR00JD   |
| 3,0 | 55,7 | 53,93 | 25,7 | 20 | 16 | 4 | 5x2,3 | DBR00KS   | DBR00KD   |



# Routing



## Z1 Groove Cutter Cylindrical shank

### Technical features:

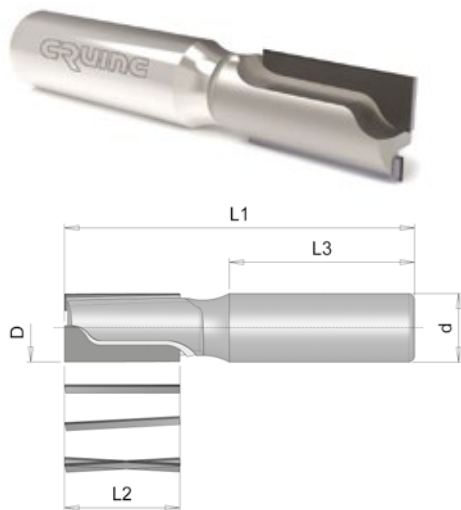
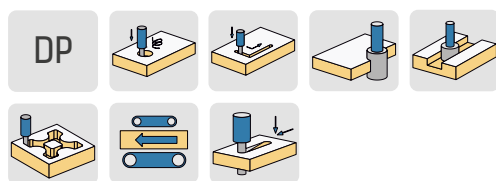
- Straight and negative axial angles
- Polished face
- DP plunge tip for diagonal plunge-cutting
- 1 PCD cutting edge
- Solid carbide body
- Economy and performance
- Resharpenable router (max 2 times)

### Applications:

- For CNC routers
- For jointing and sizing without overlap marks in:
  - Wood
  - base panels
  - Solid woods
  - Plastics

| D | L2 | d | L3 | L1 | Z | Axial Angle | Code (RH) |
|---|----|---|----|----|---|-------------|-----------|
| 4 | 12 | 6 | 40 | 60 | 1 | straight    | DPO1005D  |
| 5 | 12 | 6 | 40 | 60 | 1 | straight    | DPO1010D  |
| 6 | 12 | 6 | 40 | 60 | 1 | straight    | DPO1015D  |
| 8 | 12 | 8 | 35 | 60 | 1 | straight    | DPO1020D  |
| 4 | 12 | 6 | 40 | 60 | 1 | negative    | DPO1025D  |
| 5 | 12 | 6 | 40 | 60 | 1 | negative    | DPO1030D  |
| 6 | 12 | 6 | 40 | 60 | 1 | negative    | DPO1035D  |
| 8 | 12 | 8 | 35 | 60 | 1 | negative    | DPO1040D  |

# Routing



## Z2 Groove Cutter Cylindrical shank

### Technical features:

- Straight, negative and alternate axial angles
- Polished face
- PCD plunge tip for diagonal plunge-cutting
- 2 PCD cutting edges
- Steel body; solid carbide body for Ø 8mm, 10mm and 12mm
- Economy and performance
- Resharpenable router (max 2 times for Ø up to 12mm and max 4 times for Ø 16mm)

### Applications:

- For CNC routers
- For jointing and sizing without overlap marks in:
  - Wood-base panels
  - Solid woods
  - Plastics
  - HPL and veneered panels
  - Solid hard woods

| D  | L2   | d  | L3 | L1 | Z | Axial Angle | Code (RH) |
|----|------|----|----|----|---|-------------|-----------|
| 8  | 12   | 12 | 40 | 60 | 2 | straight    | DPO2005D  |
| 10 | 22   | 12 | 35 | 70 | 2 | straight    | DPO2010D  |
| 12 | 25,4 | 12 | 35 | 70 | 2 | straight    | DPO2015D  |
| 16 | 25,4 | 16 | 45 | 85 | 2 | straight    | DPO2020D  |
| 16 | 35   | 16 | 45 | 95 | 2 | straight    | DPO2025D  |
| 8  | 12   | 12 | 40 | 60 | 2 | negative    | DPO2030D  |
| 10 | 22   | 12 | 35 | 70 | 2 | negative    | DPO2035D  |
| 12 | 25,4 | 12 | 35 | 70 | 2 | negative    | DPO2040D  |
| 16 | 25,4 | 16 | 45 | 85 | 2 | negative    | DPO2045D  |
| 16 | 35   | 16 | 45 | 95 | 2 | negative    | DPO2050D  |
| 8  | 12   | 12 | 40 | 60 | 2 | alternate   | DPO2055D  |
| 10 | 22   | 12 | 35 | 70 | 2 | alternate   | DPO2060D  |
| 12 | 25,4 | 12 | 35 | 70 | 2 | alternate   | DPO2065D  |
| 16 | 25,4 | 16 | 45 | 85 | 2 | alternate   | DPO2070D  |
| 16 | 35   | 16 | 45 | 95 | 2 | alternate   | DPO2075D  |

# Routing

DP



## Z1+1 MACH 1 Cutter Cylindrical shank

### Technical features:

- Feed speed: up to 6 m/min
- Shear angle: 12° for Ø up to 12,7 mm  
16° for Ø 16 mm  
18° for Ø 18 mm  
20° for Ø 20 mm
- 1+1 PCD cutting edges
- HW plunge tip for diagonal plunge-cutting
- Steel body
- Economy and performance
- First tip positive (6–8 mm) all the others negative
- Resharpenable router (max 2 times for Ø up to 12,7 mm and max 4 times from Ø 14 mm)

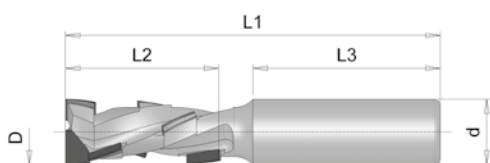
### Applications:

- For CNC routers
- For jointing, rabbeting, grooving and copying:
  - Particleboards
  - MDF boards
  - Laminates
  - HPL and veneered panels

| D    | L2   | d    | L3    | L1    | Z   | Code (LH) | Code (RH) |
|------|------|------|-------|-------|-----|-----------|-----------|
| 10   | 25,4 | 12   | 40    | 75    | 1+1 |           | DP1M223D  |
| 12   | 25,4 | 12   | 40    | 75    | 1+1 |           | DP1M201D  |
| 12   | 25,4 | 25   | 55    | 90    | 1+1 | DP1M202S  | DP1M202D  |
| 12   | 28   | 12   | 40    | 75    | 1+1 | DP1M220S  | DP1M220D  |
| 12,7 | 25,4 | 12,7 | 40    | 70    | 1+1 | DP1H201S  | DP1H201D  |
| 12,7 | 35   | 12,7 | 40    | 79    | 1+1 |           | DP1H002D  |
| 12,7 | 43   | 12,7 | 44,45 | 101,6 | 1+1 |           | DP1H204D  |
| 14   | 25,4 | 16   | 40    | 75    | 1+1 |           | DP1M326D  |
| 16   | 25,4 | 16   | 40    | 75    | 1+1 | DP1M301S  | DP1M301D  |
| 16   | 35   | 16   | 40    | 85    | 1+1 | DP1M303S  | DP1M303D  |
| 18   | 25,4 | 20   | 50    | 85    | 1+1 | DP1M307S  | DP1M307D  |
| 18   | 28   | 20   | 50    | 90    | 1+1 | DP1M324S  | DP1M324D  |
| 18   | 35   | 20   | 50    | 95    | 1+1 | DP1M311S  | DP1M311D  |
| 18   | 43   | 20   | 50    | 105   | 1+1 | DP1M314S  | DP1M314D  |
| 20   | 51   | 20   | 50    | 120   | 1+1 | DP1M316S  | DP1M316D  |

# Routing

DP



## Z2+1 MACH 1 EVO Cutter Cylindrical shank

### Technical features:

- Feed speed: up to 8 m/min
- Shear angle: 18° for Ø up to 12,7 mm  
25° for Ø 16 mm  
30° for Ø 18-20 mm
- Innovative Z2+1 design on 3 flutes
- PCD plunge tip for diagonal plunge-cutting
- 2+1 DP cutting edges
- Good cutting quality on bottom edge thanks to Z2 positive high shear angle
- First tip positive (6mm) all the others negative
- Resharpenable router (max 4 times)
- LH available on request

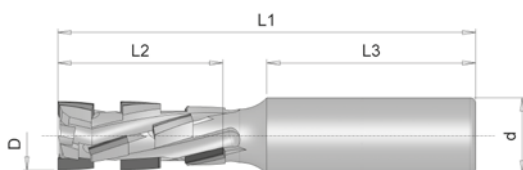
### Applications:

- For CNC routers
- For sizing and dividing:
  - Particleboards
  - MDF boards
  - Laminates
  - HPL and veneered panels
  - Solid hard woods

| D    | L2   | d    | L3 | L1  | Z       | Code (RH) |
|------|------|------|----|-----|---------|-----------|
| 12   | 25,4 | 12   | 40 | 75  | 2+1 (5) | DP1E005D  |
| 12   | 25,4 | 25   | 55 | 90  | 2+1 (5) | DP1E007D  |
| 12,7 | 25,4 | 12,7 | 40 | 72  | 2+1 (5) | DP1EH01D  |
| 12,7 | 35   | 12,7 | 40 | 82  | 2+1 (6) | DP1EH02D  |
| 16   | 25,4 | 16   | 45 | 80  | 2+1 (5) | DP1E00AD  |
| 16   | 35   | 16   | 45 | 90  | 2+1 (7) | DP1E00BD  |
| 18   | 25,4 | 20   | 55 | 90  | 2+1 (6) | DP1E00ED  |
| 18   | 35   | 20   | 55 | 100 | 2+1 (7) | DP1E00FD  |
| 18   | 43   | 20   | 55 | 110 | 2+1 (8) | DP1E00GD  |
| 20   | 51   | 20   | 55 | 115 | 2+1 (9) | DP1E00KD  |

# Routing

DP



## Z2+2 MACH 2 Cutter Cylindrical shank

### Technical features:

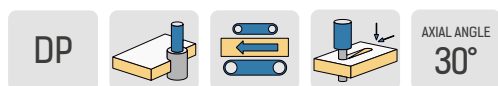
- Feed speed: up to 12 m/min
- Shear angle: 14° for Ø up to 12 mm  
18° for Ø 16 mm
- 2+2 PCD cutting edges
- HW plunge tip for diagonal plunge-cutting
- Steel body; heavy metal body for Ø 12mm
- Economy and performance
- First tip positive (8mm) all the others negative
- Resharpenable router (max 4 times)

### Applications:

- For CNC routers
- For sizing and dividing:
  - Particleboards
  - MDF boards
  - Laminates
  - HPL and veneered panels
  - Solid hard woods

| D  | L2   | d  | L3 | L1  | Z   | Code (LH) | Code (RH) |
|----|------|----|----|-----|-----|-----------|-----------|
| 12 | 25,4 | 12 | 40 | 75  | 2+2 |           | DP2M323D  |
| 16 | 28   | 16 | 45 | 80  | 2+2 |           | DP2M324D  |
| 16 | 35   | 16 | 45 | 90  | 2+2 | DP2M325S  | DP2M325D  |
| 18 | 25,4 | 20 | 50 | 85  | 2+2 |           | DP2M303D  |
| 18 | 25,4 | 25 | 55 | 90  | 2+2 | DP2M304S  | DP2M304D  |
| 18 | 35   | 25 | 55 | 100 | 2+2 | DP2M308S  | DP2M308D  |
| 18 | 43   | 25 | 55 | 110 | 2+2 | DP2M311S  | DP2M311D  |
| 20 | 25,4 | 25 | 55 | 90  | 2+2 | DP2M315S  | DP2M315D  |
| 20 | 35   | 25 | 55 | 100 | 2+2 | DP2M319S  | DP2M319D  |
| 20 | 43   | 25 | 55 | 110 | 2+2 | DP2M321S  | DP2M321D  |
| 20 | 51   | 25 | 55 | 120 | 2+2 | DP2M313S  | DP2M313D  |
| 20 | 65   | 25 | 55 | 130 | 2+2 | DP2M322S  | DP2M322D  |

# Routing



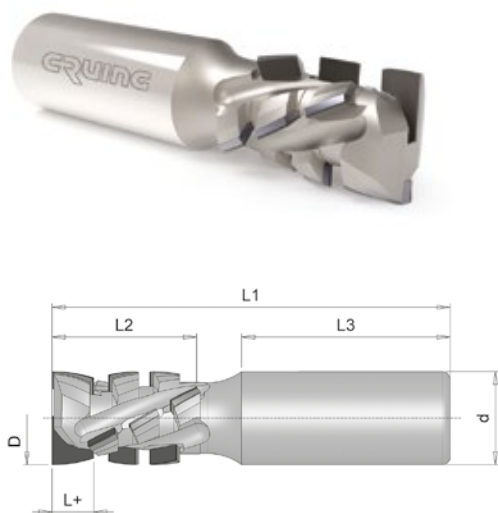
## Z2+2 MACH 2 Cylindrical shank

### Technical features:

- Feed speed: up to 15 m/min
- Shear angle: 30°
- 2+2 PCD cutting edges
- Design: 4 flute
- Steel body
- DP plunge tip for diagonal plunge-cutting
- High performance
- First tip positive (L+: 11mm) all the others negative
- Resharpenable router (max 8 times)

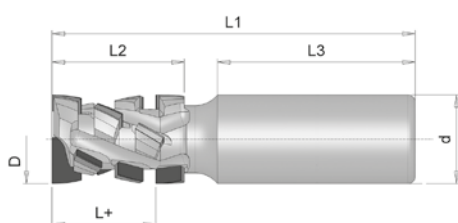
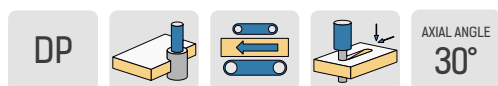
### Applications:

- For CNC routers
- For nesting:
  - Particleboards
  - MDF boards
  - Laminates
  - HPL and veneered panels
  - Solid hard woods



| D  | L2 | d  | L3 | L1  | Z   | Code (LH)  | Code (RH)  |
|----|----|----|----|-----|-----|------------|------------|
| 16 | 26 | 16 | 50 | 85  | 2+2 | DP230N005S | DP230N005D |
| 16 | 36 | 16 | 50 | 96  | 2+2 | DP230N015S | DP230N015D |
| 20 | 26 | 20 | 50 | 85  | 2+2 | DP230N025S | DP230N025D |
| 20 | 31 | 20 | 50 | 91  | 2+2 | DP230N030S | DP230N030D |
| 20 | 36 | 20 | 50 | 96  | 2+2 | DP230N035S | DP230N035D |
| 20 | 43 | 20 | 50 | 101 | 2+2 | DP230N040S | DP230N040D |
| 22 | 36 | 20 | 55 | 96  | 2+2 | DP230N055S | DP230N055D |
| 22 | 43 | 20 | 55 | 101 | 2+2 | DP230N060S | DP230N060D |
| 22 | 47 | 20 | 55 | 107 | 2+2 | DP230N065S | DP230N065D |
| 22 | 57 | 20 | 55 | 117 | 2+2 | DP230N070S | DP230N070D |
| 25 | 43 | 25 | 55 | 106 | 2+2 | DP230N075S | DP230N075D |
| 25 | 47 | 25 | 55 | 112 | 2+2 | DP230N080S | DP230N080D |
| 25 | 52 | 25 | 55 | 117 | 2+2 | DP230N085S | DP230N085D |
| 25 | 57 | 25 | 55 | 122 | 2+2 | DP230N090S | DP230N090D |
| 25 | 63 | 25 | 55 | 128 | 2+2 | DP230N095S | DP230N095D |
| 25 | 68 | 25 | 55 | 133 | 2+2 | DP230N100S | DP230N100D |
| 25 | 72 | 25 | 55 | 133 | 2+2 | DP230N105S | DP230N105D |

# Routing



## Z2+2 MACH 2 Cutter Cylindrical shank

### Technical features:

- Feed speed: up to 15 m/min
- Shear angle: 30°
- 2+2 PCD cutting edges
- Design: 4 flute
- DP plunge tip for diagonal plunge-cutting
- High performance
- Tip mainly positive (5mm less L2) for better evacuation of wooden chips
- Steel body
- Resharpenable router (max 8 times)

### Applications:

- For CNC routers
- For sizing and dividing:
  - Particleboards
  - MDF boards
  - Laminates
  - HPL and veneered panels
  - Solid hard woods

| D  | L2 | d  | L3 | L1  | Z   | Code (LH)  | Code (RH)  |
|----|----|----|----|-----|-----|------------|------------|
| 20 | 25 | 20 | 50 | 85  | 2+2 | DP230P005S | DP230P005D |
| 20 | 36 | 20 | 50 | 96  | 2+2 | DP230P015S | DP230P015D |
| 20 | 41 | 20 | 50 | 101 | 2+2 | DP230P020S | DP230P020D |
| 22 | 36 | 20 | 50 | 96  | 2+2 | DP230P035S | DP230P035D |
| 22 | 47 | 20 | 50 | 107 | 2+2 | DP230P040S | DP230P040D |
| 22 | 52 | 20 | 50 | 112 | 2+2 | DP230P045S | DP230P045D |
| 25 | 36 | 25 | 55 | 101 | 2+2 | DP230P050S | DP230P050D |
| 25 | 41 | 25 | 55 | 106 | 2+2 | DP230P055S | DP230P055D |
| 25 | 47 | 25 | 55 | 112 | 2+2 | DP230P060S | DP230P060D |
| 25 | 52 | 25 | 55 | 117 | 2+2 | DP230P065S | DP230P065D |
| 25 | 57 | 25 | 55 | 122 | 2+2 | DP230P070S | DP230P070D |
| 25 | 63 | 25 | 55 | 128 | 2+2 | DP230P075S | DP230P075D |
| 25 | 68 | 25 | 55 | 133 | 2+2 | DP230P080  | DP230P080D |

# Routing



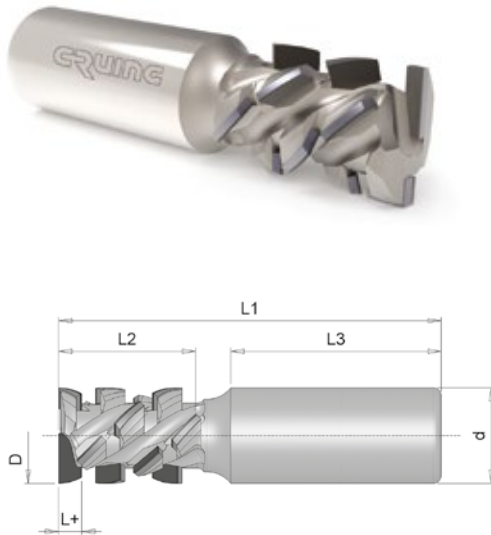
## Z2+2 MACH 2 Cutter Cylindrical shank

### Technical features:

- Feed speed: up to 20 m/min
- Shear angle: 45°
- 2+2 PCD cutting edges
- Design: 4 flute
- DP plunge tip for diagonal plunge-cutting
- First tip positive, (L+: 4,5mm) all the others negative
- High performance
- Steel body
- Resharpenable router (max 8 times)

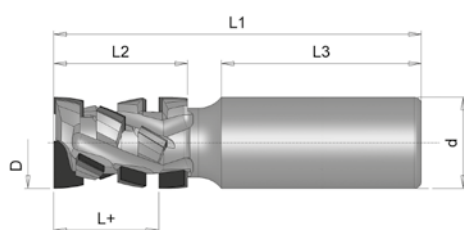
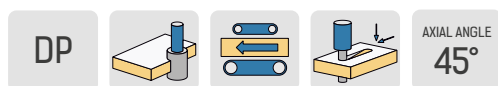
### Applications:

- For CNC routers
- For sizing and dividing:
  - Particleboards
  - MDF boards
  - Laminates
  - HPL and veneered panels
  - Solid hard woods



| D  | L2 | d  | L3 | L1  | Z   | Code (LH)  | Code (RH)  |
|----|----|----|----|-----|-----|------------|------------|
| 20 | 26 | 20 | 50 | 86  | 2+2 | DP245N005S | DP245N005D |
| 20 | 35 | 20 | 50 | 95  | 2+2 | DP245N010S | DP245N010D |
| 20 | 44 | 20 | 50 | 104 | 2+2 | DP245N015S | DP245N015D |
| 22 | 35 | 20 | 50 | 95  | 2+2 | DP245N025S | DP245N025D |
| 22 | 44 | 20 | 50 | 104 | 2+2 | DP245N030S | DP245N030D |
| 22 | 53 | 20 | 50 | 113 | 2+2 | DP245N035S | DP245N035D |
| 25 | 26 | 25 | 55 | 91  | 2+2 | DP245N040S | DP245N040D |
| 25 | 35 | 25 | 55 | 100 | 2+2 | DP245N045S | DP245N045D |
| 25 | 44 | 25 | 55 | 109 | 2+2 | DP245N050S | DP245N050D |
| 25 | 53 | 25 | 55 | 118 | 2+2 | DP245N055S | DP245N055D |
| 25 | 62 | 25 | 55 | 127 | 2+2 | DP245N060S | DP245N060D |
| 25 | 71 | 25 | 55 | 136 | 2+2 | DP245N065S | DP245N065D |

# Routing



## Z2+2 MACH 2 Cutter Cylindrical shank

### Technical features:

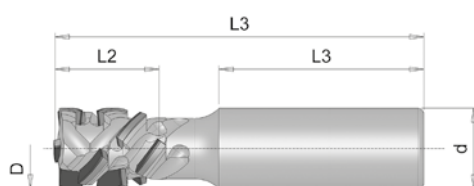
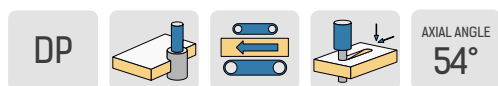
- Feed speed: up to 20 m/min
- Shear angle: 45°
- 2+2 PCD cutting edges
- Design: 4 flute
- DP plunge tip for diagonal plunge-cutting
- High performance
- Tip mainly positive (5mm less L2) for better evacuation of wooden chips
- Steel body
- Resharpenable router (max 8 times)

### Applications:

- For CNC routers
- For sizing and dividing:
  - Particleboards
  - MDF boards
  - Laminates
  - HPL and veneered panels
  - Solid hard woods

| D  | d  | L2 | L1  | L3 | Z   | Code (LH)  | Code (RH)  |
|----|----|----|-----|----|-----|------------|------------|
| 20 | 20 | 17 | 77  | 50 | 2+2 | DP245P005S | DP245P005D |
| 20 | 20 | 26 | 86  | 50 | 2+2 | DP245P015S | DP245P015D |
| 20 | 20 | 35 | 95  | 50 | 2+2 | DP245P025S | DP245P025D |
| 22 | 20 | 44 | 104 | 50 | 2+2 | DP245P035S | DP245P035D |
| 22 | 20 | 17 | 77  | 50 | 2+2 | DP245P045S | DP245P045D |
| 22 | 20 | 26 | 86  | 50 | 2+2 | DP245P055S | DP245P055D |
| 22 | 20 | 35 | 95  | 50 | 2+2 | DP245P065S | DP245P065D |
| 22 | 20 | 44 | 104 | 50 | 2+2 | DP245P075S | DP245P075D |
| 25 | 20 | 53 | 113 | 50 | 2+2 | DP245P085S | DP245P085D |
| 25 | 25 | 26 | 91  | 55 | 2+2 | DP245P100S | DP245P100D |
| 25 | 25 | 35 | 100 | 55 | 2+2 | DP245P105S | DP245P105D |
| 25 | 25 | 44 | 109 | 55 | 2+2 | DP245P110S | DP245P110D |
| 25 | 25 | 53 | 118 | 55 | 2+2 | DP245P115S | DP245P115D |
| 25 | 25 | 62 | 127 | 55 | 2+2 | DP245P120S | DP245P120D |
| 25 | 25 | 71 | 136 | 55 | 2+2 | DP245P125S | DP245P125D |

# Routing



## Z2+2 MACH 2 Cutter Cylindrical shank

### Technical features:

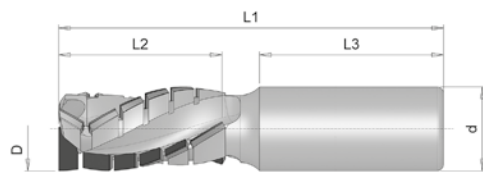
- Feed speed: up to 20 m/min
- Shear angle: 54°
- 2+2 DP cutting edges
- Design 4 flute
- DP plunge tip for diagonal plunge-cutting
- High performance
- Steel body
- First tip positive [L+4mm] all the others negative
- Resharpenable router (max 8 times)

### Applications:

- For CNC routers
- For nesting:
  - Particleboards
  - MDF boards
  - Laminates
  - HPL and veneered panels
  - Solid hard woods

| D  | L2 | d  | L3  | L1  | Z   | Code (LH)  | Code (RH)  |
|----|----|----|-----|-----|-----|------------|------------|
| 20 | 25 | 20 | 50  | 90  | 2+2 | DP254N005S | DP254N005D |
| 20 | 35 | 20 | 50  | 100 | 2+2 | DP254N015S | DP254N015D |
| 20 | 45 | 20 | 50  | 110 | 2+2 | DP254N025S | DP254N025D |
| 22 | 25 | 20 | 50  | 90  | 2+2 | DP254N030S | DP254N030D |
| 22 | 35 | 20 | 50  | 100 | 2+2 | DP254N040S | DP254N040D |
| 22 | 45 | 20 | 50  | 110 | 2+2 | DP254N050S | DP254N050D |
| 25 | 25 | 25 | 55  | 95  | 2+2 | DP254N055S | DP254N055D |
| 25 | 25 | 35 | 105 | 55  | 2+2 | DP254N065S | DP254N065D |
| 25 | 25 | 45 | 115 | 55  | 2+2 | DP254N075S | DP254N075D |
| 25 | 25 | 55 | 125 | 55  | 2+2 | DP254N085S | DP254N085D |
| 25 | 25 | 65 | 135 | 55  | 2+2 | DP254N095S | DP254N095D |

# Routing



## Z3+3 MACH 3 EVO Cutter Cylindrical shank

### Technical features:

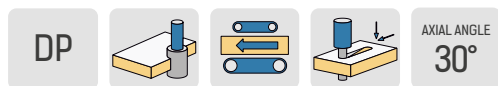
- Feed speed: up to 20 m/min
- Shear angle: 30°
- 3 PCD cutting edges
- Design 3 flute
- DP plunge tip for diagonal plunge-cutting
- First tip positive (7mm) all the others negative
- High performance
- Steel body
- Resharpenable router (max 8 times)

### Applications:

- For CNC routers
- For sizing and dividing:
  - Particleboards
  - MDF boards
  - Laminates
  - HPL and veneered panels
  - Solid hard woods

| D  | L2 | d  | L3 | L1  | Z | Code (LH)  | Code (RH)  |
|----|----|----|----|-----|---|------------|------------|
| 18 | 28 | 25 | 55 | 95  | 3 | DP330N005S | DP330N005D |
| 20 | 38 | 20 | 50 | 105 | 3 | DP330N010S | DP330N010D |
| 25 | 28 | 25 | 55 | 100 | 3 | DP330N015S | DP330N015D |
| 25 | 38 | 25 | 55 | 105 | 3 | DP330N020S | DP330N020D |
| 25 | 48 | 25 | 55 | 115 | 3 | DP330N025S | DP330N025D |

# Routing



## Z3+3 MACH 3 EVO Cutter Cylindrical shank

### Technical features:

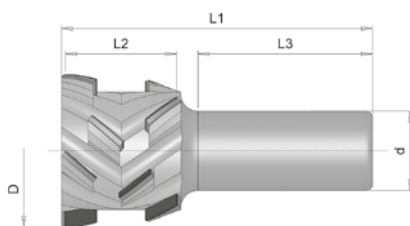
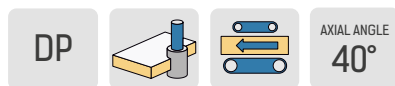
- Feed speed: up to 20 m/min
- Shear angle: 30°
- 3 PCD cutting edges
- Design: 3 flute
- DP plunge tip for diagonal plunge-cutting
- High performance
- Tip mainly positive (6mm less L2) for better evacuation of wooden chips
- Steel body
- Resharpenable router (max 8 times)

### Applications:

- For CNC routers
- For sizing and dividing:
  - Particleboards
  - MDF boards
  - Laminates
  - HPL and veneered panels
  - Solid hard woods

| D  | L2 | d  | L3 | L1  | Z | Code (LH)  | Code (RH)  |
|----|----|----|----|-----|---|------------|------------|
| 25 | 22 | 25 | 55 | 86  | 3 | DP330P005S | DP330P005D |
| 25 | 28 | 25 | 55 | 92  | 3 | DP330P010S | DP330P010D |
| 25 | 38 | 25 | 55 | 102 | 3 | DP330P015S | DP330P015D |
| 25 | 48 | 25 | 55 | 112 | 3 | DP330P020S | DP330P020D |

# Routing



## Z4+2+4 Trimming Cylindrical shank

### Technical features:

- Feed speed: up to 35 m/min
- Shear angle: 40° (54° available on request)
- 4+2+4 DP cutting edges
- Steel body
- Design 8 flute
- High performance
- Good cutting quality on top and bottom edge thanks to symmetric shear angle
- Resharpenable router (max 8 times)

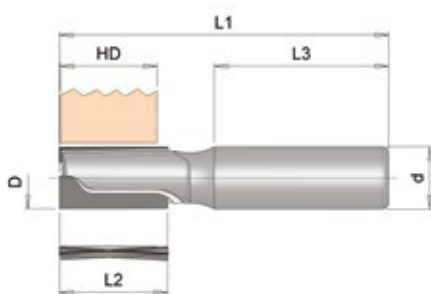
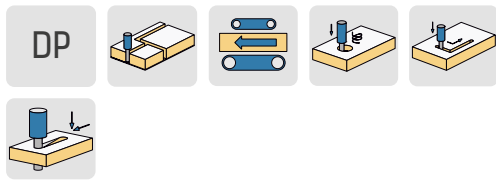
### Applications:

- For CNC routers
- For sizing and dividing:
  - Particleboards
  - MDF boards
  - Laminates
  - HPL and veneered panels
  - Solid hard woods

| D  | L2 | d  | L3 | L1  | Z     | Code (LH)  | Code (RH)  |
|----|----|----|----|-----|-------|------------|------------|
| 48 | 22 | 25 | 55 | 85  | 4+2+4 | DP440S005S | DP440S005D |
| 48 | 28 | 25 | 55 | 91  | 4+2+4 | DP440S010S | DP440S010D |
| 48 | 35 | 25 | 55 | 98  | 4+2+4 | DP440S015S | DP440S015D |
| 48 | 48 | 25 | 55 | 110 | 4+2+4 | DP440S020S | DP440S020D |



# Nesting



## Z2 Straight-edge Cutter Cylindrical shank

### Technical features:

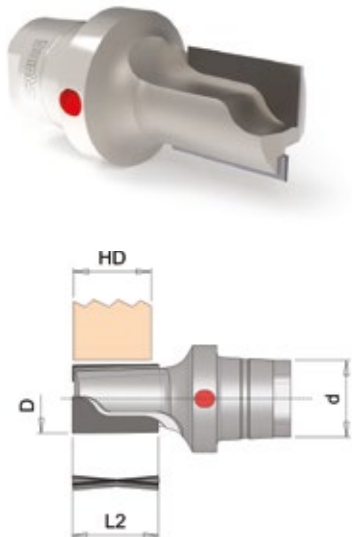
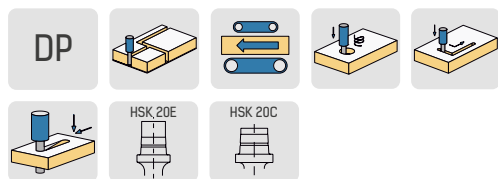
- Feed speed: up to 12 mt/min
- Alternate axial angle
- 2 PCD cutting edges
- Design 2 flute
- Economy and performance
- Steel body
- Resharpenable router (max 3-4 times)

### Applications:

- For CNC routers
- For nesting:
  - Particleboards
  - Laminates
  - HPL and veneered panels
  - Plyboards

| D  | HD           | L2 | d  | L3 | L1 | Z | Code (RH) |
|----|--------------|----|----|----|----|---|-----------|
| 16 | 15 - 16 - 18 | 22 | 16 | 40 | 66 | 2 | AES52     |
| 16 | 19 - 20 - 22 | 24 | 16 | 40 | 70 | 2 | AES54     |

# Nesting



## Z2 Straight-edge Cutter Conical shank for Aerotech System

### Technical features:

- Feed speed: up to 12 mt/min
- Alternate axial angle
- 2 PCD cutting edges
- Design 2 flute
- Steel body
- 2 conical shank types:
  - HSK20E for Aerotech System E
  - HSK20C for Aerotech System
- High precision and no vibrations
- Resharpenable cutter (max 3-4 times)

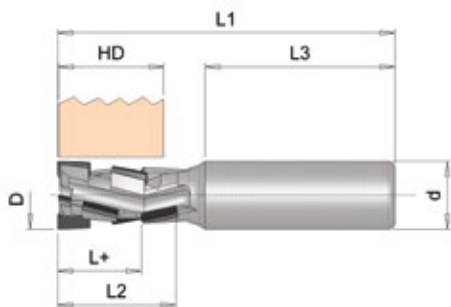
### Applications:

- For CNC routers
- For nesting:
  - Particleboards
  - Laminates
  - HPL and veneered panels
  - Plyboards

| D  | HD           | L2 | Z | Code (HSK20E) | Code (HSK20C) |
|----|--------------|----|---|---------------|---------------|
| 16 | 15 - 16 - 18 | 22 | 2 | AES416        | AES46         |
| 16 | 19 - 20 - 22 | 24 | 2 | AES41H        | AES4H         |

# Nesting

DP



## Z2+2 MACH 2 Cutter Cylindrical shank

### Technical features:

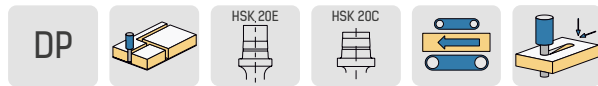
- Feed speed: up to 12 mt/min
- Shear angle: 14° for Ø 12 mm  
16° for Ø up to 16 mm
- 2+2 PCD cutting edges
- Design 4 flute
- Tip mainly positive (L+: 7mm less L2) for better evacuation of wooden chips
- Steel body; heavy metal body for Ø 12 mm
- Resharpenable router (max 4 times)

### Applications:

- For CNC routers
- For nesting:
  - Particleboards
  - Laminates
  - HPL and veneered panels
  - Plyboards

| D  | HD           | L2   | d  | L3 | L1 | Z   | Code (RH) | Helical direction |
|----|--------------|------|----|----|----|-----|-----------|-------------------|
| 12 | 15 - 16 - 18 | 20,5 | 12 | 40 | 66 | 2+2 | AES01     | positive          |
| 16 | 15 - 16 - 18 | 20,5 | 16 | 40 | 66 | 2+2 | AES02     | positive          |
| 16 | 15 - 16 - 18 | 20,5 | 25 | 55 | 81 | 2+2 | AES0011   | positive          |
| 12 | 19 - 20 - 22 | 24,5 | 12 | 40 | 70 | 2+2 | AES03     | positive          |
| 16 | 19 - 20 - 22 | 24,5 | 16 | 40 | 70 | 2+2 | AES04     | positive          |
| 16 | 19 - 20 - 22 | 24,5 | 25 | 55 | 85 | 2+2 | AES0012   | positive          |
| 12 | 25           | 27,5 | 12 | 40 | 75 | 2+2 | AES0C     | positive          |
| 16 | 25           | 27,5 | 16 | 40 | 75 | 2+2 | AES0B     | positive          |
| 16 | 25           | 27,5 | 25 | 55 | 90 | 2+2 | AES0013   | positive          |

# Nesting



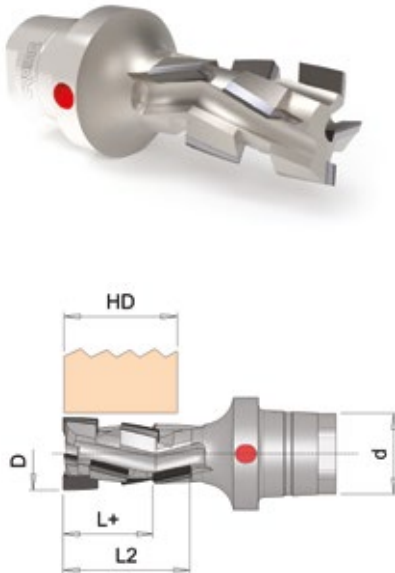
## Z2+2 MACH 2 Cutter Conical shank for Aerotech System

### Technical features:

- Feed speed: up to 12 m/min
- Shear angle: 14° for Ø 12 mm
- 16° for Ø up to 16 mm
- 2+2 PCD cutting edges
- Tip mainly positive (L+: 6mm less L2) for better evacuation of wooden chips
- Design 4 flute
- Steel body; heavy metal body for Ø 12mm
- 2 conical shank types:
  - HSK20E for Aerotech System E
  - HSK20C for Aerotech System
- High precision and no vibrations
- Resharpenable cutter (max 4 times)

### Applications:

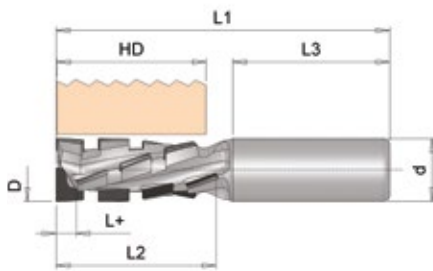
- For CNC routers
- For nesting:
  - Particleboards
  - Laminates
  - HPL and veneered panels
  - Plyboards



| D  | HD      | L2   | Z   | Helical direction | Code (HSK20E) | Code (HSK20C) |
|----|---------|------|-----|-------------------|---------------|---------------|
| 12 | 15 - 16 | 18,5 | 2+2 | positive          | AES1021D      |               |
| 12 | 18      | 20,5 | 2+2 | positive          | AES1022D      |               |
| 12 | 19 - 20 | 22,5 | 2+2 | positive          | AES1023D      |               |
| 12 | 22      | 24,5 | 2+2 | positive          | AES1024D      |               |
| 12 | 25      | 27,5 | 2+2 | positive          | AES1025D      |               |
| 16 | 15 - 16 | 18,5 | 2+2 | positive          | AES1011D      | AES14         |
| 16 | 18      | 20,5 | 2+2 | positive          | AES1012D      | AES16         |
| 16 | 19 - 20 | 22,5 | 2+2 | positive          | AES1013D      | AES1F         |
| 16 | 22      | 24,5 | 2+2 | positive          | AES1014D      | AES1H         |
| 16 | 25      | 27,5 | 2+2 | positive          | AES1015D      | AES1L         |

# Nesting

DP



## Z2+2 MACH 2.3 Cylindrical shank

### Technical features:

- Feed speed: up to 12 mt/min
- Helical direction negative
- Design 4 flute
- shear angle: 10° for Ø 12 mm;  
20° for Ø 14 mm
- First tip positive (5 mm) all the others negative
- Heavy metal body)
- Resharpenable cutter (max 4 times)

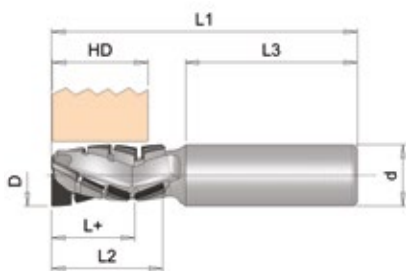
### Applications:

- For CNC routers
- For nesting:
  - Particleboards
  - Laminates
  - HPL and veneered panels
  - Plyboards

| D  | HD      | L2 | d  | L3 | L1 | Z   | Helical direction | Code (RH) |
|----|---------|----|----|----|----|-----|-------------------|-----------|
| 12 | 15 - 18 | 22 | 12 | 40 | 75 | 2+2 | negative          | AEH205D   |
| 12 | 19 - 25 | 28 | 12 | 40 | 85 | 2+2 | negative          | AEH210D   |
| 14 | 15-18   | 22 | 16 | 40 | 75 | 2+2 | negative          | AEH215D   |
| 14 | 19-25   | 28 | 16 | 40 | 85 | 2+2 | negative          | AEH220D   |
| 14 | 25-32   | 35 | 16 | 40 | 95 | 2+2 | negative          | AEH225D   |

# Nesting

DP



## Z3 MACH 3 EVO Cutter Cylindrical shank

### Technical features:

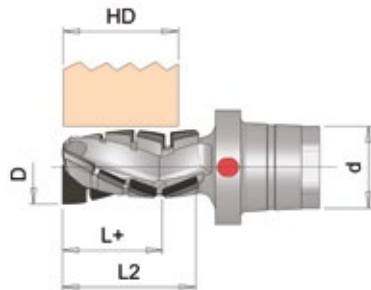
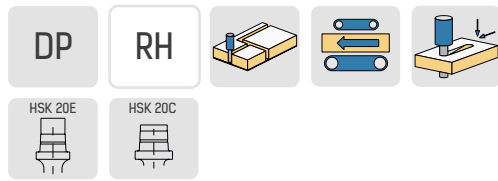
- Feed speed: up to 25 m/min
- Shear angle: 18° for Ø 12 mm  
25° for Ø up to 16 mm
- 3 PCD cutting edges
- Design 3 flute
- Tip mainly positive (L+: 5mm less L2) for better evacuation of wooden chips
- Heavy metal body for Ø 12mm;  
steel body for Ø 16mm
- Resharpenable cutter (max 4 times)

### Applications:

- For CNC routers
- For nesting:
  - Particleboards
  - Laminates
  - HPL and veneered panels
  - Plyboards

| D  | HD           | L2   | d  | L3 | L1 | Z | Code (RH) | Helical direction |
|----|--------------|------|----|----|----|---|-----------|-------------------|
| 12 | 15 - 16      | 18,5 | 16 | 45 | 70 | 3 | AEH401D   | positive          |
| 12 | 18 - 19 - 20 | 22,5 | 16 | 45 | 73 | 3 | AEH402D   | positive          |
| 12 | 22           | 24,5 | 16 | 45 | 75 | 3 | AEH403D   | positive          |
| 12 | 25           | 27,5 | 16 | 45 | 80 | 3 | AEH404D   | positive          |
| 16 | 15 - 16      | 18,5 | 16 | 45 | 70 | 3 | AEH301D   | positive          |
| 16 | 18 - 19 - 20 | 22,5 | 16 | 45 | 73 | 3 | AEH302D   | positive          |
| 16 | 22           | 24,5 | 16 | 45 | 75 | 3 | AEH303D   | positive          |
| 16 | 25           | 27,5 | 16 | 45 | 80 | 3 | AEH304D   | positive          |

# Nesting



## Z3 MACH 3 EVO cutter Conical Shank for aerotech system

### Technical features:

- Feed speed: up to 25 mt/min
- shear angle: 18° for Ø 12 mm;  
25° for Ø 16 mm
- 3 PCD cutting edges
- Design 3 flute
- Heavy metal body for Ø 12mm; steel body  
for Ø 16mm
- Tip mainly positive (L+: 5mm less L2) for better evacuation  
for wooden chips
- 2 conical shank types:
  - HSK20E for Aerotech System E
  - HSK20C for Aerotech System
- High precision and no vibrations
- Resharpenable cutter (max 4 times)

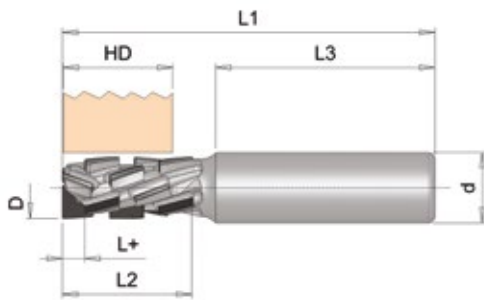
### Applications:

- For CNC routers
- For nesting:
  - Particleboards
  - Laminates
  - HPL and veneered panels
  - Plyboards

| D  | HD      | L2   | Z | Helical direction | Code (HSK20E) | Code (HSK20C) |
|----|---------|------|---|-------------------|---------------|---------------|
| 12 | 15 - 16 | 18,5 | 3 | positive          | AES2121D      |               |
| 12 | 18      | 20,5 | 3 | positive          | AES2122D      |               |
| 12 | 19 - 20 | 22,5 | 3 | positive          | AES2123D      |               |
| 12 | 22      | 24,5 | 3 | positive          | AES2124D      |               |
| 12 | 25      | 27,5 | 3 | positive          | AES2125D      |               |
| 16 | 15 - 16 | 18,5 | 3 | positive          | AES2111D      | AES2101D      |
| 16 | 18      | 20,5 | 3 | positive          | AES2112D      | AES2102D      |
| 16 | 19 - 20 | 22,5 | 3 | positive          | AES2113D      | AES2103D      |
| 16 | 22      | 24,5 | 3 | positive          | AES2114D      | AES2104D      |
| 16 | 25      | 27,5 | 3 | positive          | AES2115D      | AES2105D      |

# Nesting

DP



## Z3 MACH 3.3 Cutter Cylindrical Shank

### Technical features:

- Feed speed: up to 25 m/min
- Shear angle: 10° for Ø 12 mm  
20° for Ø up to 14 mm
- 3+3 PCD cutting edges
- Design 6 flute
- First tip positive (L+: 5mm) all the others negative
- Heavy metal body
- Resharpenable cutter (max 4 times)

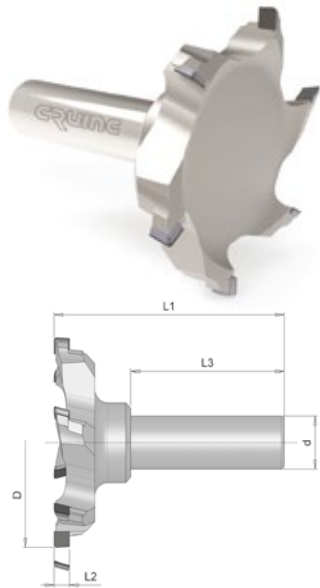
### Applications:

- For CNC routers
- For nesting:
  - Particleboards
  - Laminates
  - HPL and veneered panels
  - Plyboards

| D  | HD      | L2 | d  | L3 | L1 | Z   | Helical direction | Code (RH) |
|----|---------|----|----|----|----|-----|-------------------|-----------|
| 12 | 15 - 18 | 22 | 12 | 40 | 75 | 3+3 | negative          | AEH605D   |
| 12 | 19 - 25 | 28 | 12 | 40 | 85 | 3+3 | negative          | AEH610D   |
| 14 | 15 - 18 | 22 | 16 | 40 | 75 | 3+3 | negative          | AEH615D   |
| 14 | 19 - 25 | 28 | 16 | 40 | 85 | 3+3 | negative          | AEH620D   |
| 14 | 25 - 32 | 35 | 16 | 40 | 95 | 3+3 | negative          | AEH625D   |

# Nesting

DP



## Z6 – Z8 planning and rabbeting cutter Cylindrical shank

### Technical features:

- Thread for length adjusting screw
- 6 – 8 DP cutting edges
- Steel body
- Positive shear
- Resharpenable cutter (max 6 times)

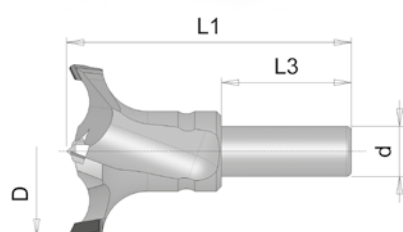
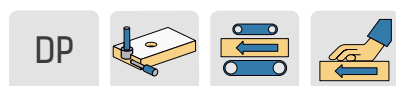
### Applications:

- For CNC routers
- For planning, rabbeting and panel raising in wood-based panels

| D   | L2  | d  | L3 | L1 | Z | Code (RH) |
|-----|-----|----|----|----|---|-----------|
| 80  | 5,6 | 20 | 50 | 90 | 6 | AES81     |
| 80  | 5,6 | 25 | 55 | 90 | 6 | AES82     |
| 100 | 5,6 | 20 | 50 | 90 | 8 | AES83     |
| 100 | 5,6 | 25 | 55 | 90 | 8 | AES84     |



# Hinge bits



## DCG704 (Z2 - V2)

### Technical features:

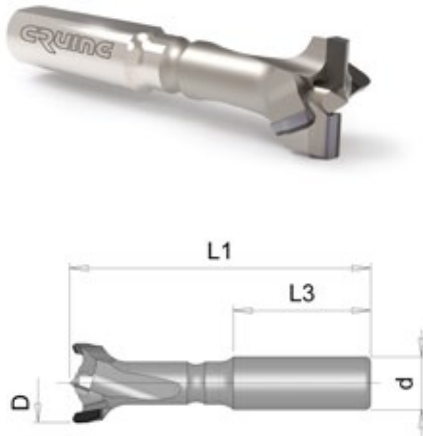
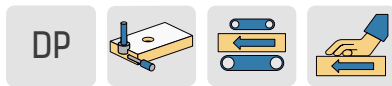
- 2 PCD precision rakers
- 2 PCD negative spurs
- HW head with precision balanced centering point
- Parallel shank with driving flat and length adjusting screw
- Super strength steel body
- Total length: 70,0 mm

### Applications:

- For CNC centers, hardware hinge and automatic boring machines
- For drilling of hinge hardware holes in:
  - Particleboards
  - MDF boards
  - Laminates
  - HPL and veneered panel
  - Solid hard woods

| D  | L1 | d  | L3 | Z | V | n. max | Code (LH) | Code (RH) |
|----|----|----|----|---|---|--------|-----------|-----------|
| 15 | 70 | 10 | 26 | 2 | 2 | 28.000 | DCG7041S  | DCG7041D  |
| 16 | 70 | 10 | 26 | 2 | 2 | 27.000 | DCG7042S  | DCG7042D  |
| 18 | 70 | 10 | 26 | 2 | 2 | 25.000 | DCG7043S  | DCG7043D  |
| 20 | 70 | 10 | 26 | 2 | 2 | 24.000 | DCG7044S  | DCG7044D  |
| 22 | 70 | 10 | 26 | 2 | 2 | 23.000 | DCG7045S  | DCG7045D  |
| 25 | 70 | 10 | 26 | 2 | 2 | 21.500 | DCG7047S  | DCG7047D  |
| 26 | 70 | 10 | 26 | 2 | 2 | 21.000 | DCG7048S  | DCG7048D  |
| 30 | 70 | 10 | 26 | 2 | 2 | 19.500 | DCG704AS  | DCG704AD  |
| 35 | 70 | 10 | 26 | 2 | 2 | 18.500 | DCG704CS  | DCG704CD  |
| 40 | 70 | 10 | 26 | 2 | 2 | 17.000 | DCG704ES  | DCG704ED  |

# Hinge bits



## DCG574 (Z2 – V2)

### Technical features:

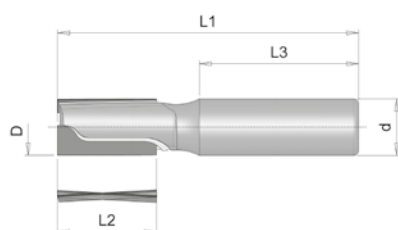
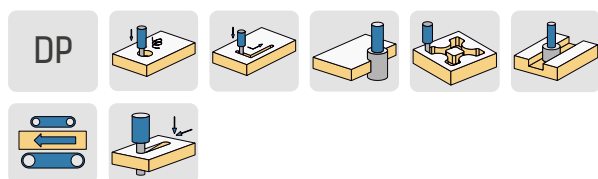
- 2 PCD precision rakers
- 2 PCD negative spurs
- HW head with precision balanced centering point
- Parallel shank with driving flat and length adjusting screw
- Super strenght steel body
- Total length: 57,5 mm

### Applications:

- For CNC centers, hardware hinge and automatic boring machines
- For drilling of hinge hardware holes in:
  - Particleboard
  - MDF boards
  - Laminates
  - HPL and veneered panels
  - Solid hard woods

| D  | L1   | d  | L3 | Z | V | n. max | Code (LH) | Code (RH) |
|----|------|----|----|---|---|--------|-----------|-----------|
| 15 | 57,5 | 10 | 26 | 2 | 2 | 28.000 | DCG5741S  | DCG5741D  |
| 16 | 57,5 | 10 | 26 | 2 | 2 | 27.000 | DCG5742S  | DCG5742D  |
| 18 | 57,5 | 10 | 26 | 2 | 2 | 25.000 | DCG5743S  | DCG5743D  |
| 20 | 57,5 | 10 | 26 | 2 | 2 | 24.000 | DCG5744S  | DCG5744D  |
| 22 | 57,5 | 10 | 26 | 2 | 2 | 23.000 | DCG5745S  | DCG5745D  |
| 25 | 57,5 | 10 | 26 | 2 | 2 | 21.500 | DCG5747S  | DCG5747D  |
| 26 | 57,5 | 10 | 26 | 2 | 2 | 21.000 | DCG5748S  | DCG5748D  |
| 30 | 57,5 | 10 | 26 | 2 | 2 | 19.500 | DCG574AS  | DCG574AD  |
| 35 | 57,5 | 10 | 26 | 2 | 2 | 18.500 | DCG574CS  | DCG574CD  |
| 40 | 57,5 | 10 | 26 | 2 | 2 | 17.000 | DCG574ES  | DCG574ED  |

# Other Materials



## Z2+1 Routing Cutter For solid core panels

### Technical features:

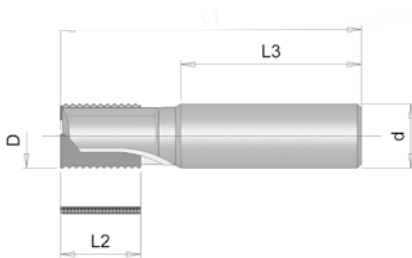
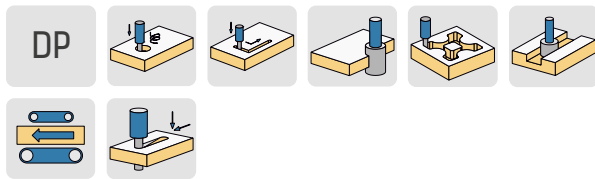
- Alternate shear angle
- 2+1 PCD cutting edges
- High density structure PCD
- Polished face
- Heavy metal body
- Resharpenable cutter (max 4 times)

### Applications:

- For CNC routers
- For jointing and sizing without overlap marks in:
  - Solid woods
  - Wood-based panels
  - Plastic
- Especially suited for machining of:
  - Plastic solid core panels
  - Trespa
  - Corian
  - Varicor

| D  | L2 | d  | L3 | L1 | Z   | Code (RH) |
|----|----|----|----|----|-----|-----------|
| 12 | 15 | 16 | 45 | 75 | 2+1 | DPSC005D  |
| 12 | 22 | 16 | 45 | 75 | 2+1 | DPSC010D  |
| 14 | 28 | 16 | 45 | 80 | 2+1 | DPSC015D  |
| 16 | 20 | 20 | 50 | 80 | 2+1 | DPSC020D  |

# Other Materials



## Z2+1 Roughing Cutter For solid core panels

### Technical features:

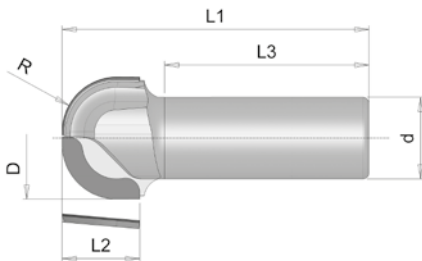
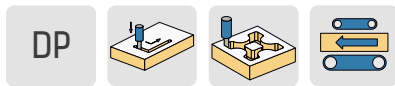
- Neutral shear angle
- 2+1 PCD cutting edges
- High density structure PCD
- Heavy metal body
- Resharpenable cutter (max 4 times)

### Applications:

- For CNC routers
- for pre-sizing in roughing quality in:
  - Solid woods
  - Wood-based panels
  - Plastic
- Especially suited for machining of:
  - Plastic solid core panels
  - Tresp
  - Corian
  - Varicor

| D  | L2 | d  | L3 | L1 | Z   | Code (RH) |
|----|----|----|----|----|-----|-----------|
| 16 | 20 | 16 | 45 | 75 | 2+1 | DP SC11D  |

# Other Materials



## Z2 Ball-Nose Cutter For 3D milling

### Technical features:

- Positive shear angle
- 2 PCD cutting edges
- High density structure PCD
- Steel body
- Resharpenable cutter (max 4 times)

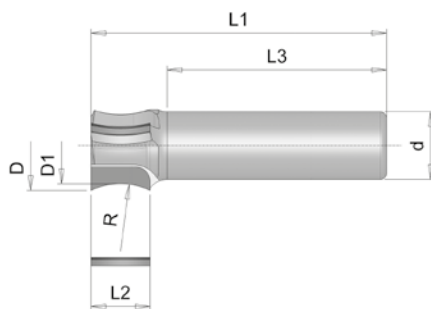
### Applications:

- For CNC routers
- For contour milling and template copying
- For 3D milling work, 3D models, relief-milling work

| R  | D  | L2 | d  | L3 | L1 | Z | Code (RH) |
|----|----|----|----|----|----|---|-----------|
| 10 | 20 | 14 | 20 | 50 | 80 | 2 | DPBN05D   |
| 15 | 30 | 19 | 20 | 50 | 80 | 2 | DPBN10D   |
| 20 | 40 | 24 | 20 | 50 | 80 | 2 | DPBN15D   |

# Other Materials

DP



## Z3 Radius Cutter For solid core panels

### Technical features:

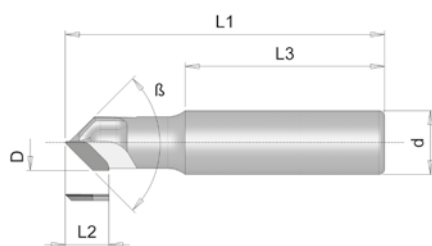
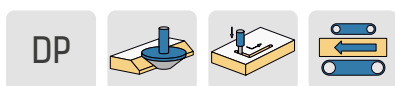
- Neutral shear angle
- 3 PCD cutting edges
- High density structure PCD
- Without plunge tip
- Polished face
- Heavy metal body
- Resharpenable cutter (max 4 times)

### Applications:

- For CNC routers
- For slight rounding of:
  - Solid woods
  - Wood-based panels
  - Plastic
- Especially suited for machining of:
  - Plastic solid core panels
  - Trespa
  - Corian
  - Varicor

| R  | D    | D1 | L2 | d  | L3 | L1 | Z | Code (RH) |
|----|------|----|----|----|----|----|---|-----------|
| 16 | 21,3 | 18 | 14 | 16 | 45 | 65 | 3 | DPSC305D  |

# Other Materials



## Groove Cutter 60°-90°

### Technical features:

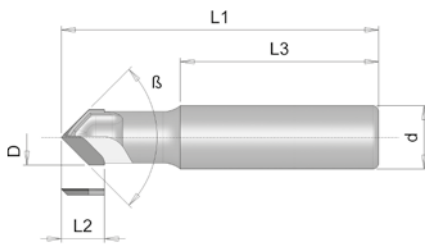
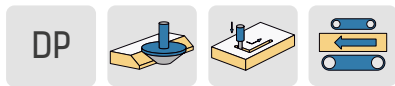
- Neutral shear angle
- 1 PCD cutting edges
- Steel body
- Resharpenable cutter (max 4 times)

### Applications:

- For CNC machines
- For grooving operations in relief-picture techniques

| β   | D  | L2 | d  | L3 | L1 | Z | Code (RH) |
|-----|----|----|----|----|----|---|-----------|
| 60° | 14 | 7  | 16 | 45 | 75 | 1 | DPV105D   |
| 90° | 14 | 7  | 16 | 45 | 75 | 1 | DPV110D   |

# Other Materials



## Groove Cutter 60°-90°

### Technical features:

- Neutral shear angle
- 2 PCD cutting edges
- Steel body
- Resharpenable cutter (max 4 times)

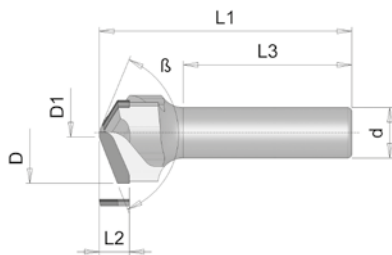
### Applications:

- For CNC machines
- For grooving operations in relief-picture techniques

| β   | D  | L2 | d  | L3 | L1 | Z | Code (RH) |
|-----|----|----|----|----|----|---|-----------|
| 60° | 14 | 7  | 16 | 45 | 75 | 2 | DPV205D   |
| 90° | 14 | 7  | 16 | 45 | 75 | 2 | DPV210D   |

# Other Materials

DP



## V-Groove Cutter 90°-135°

### Technical features:

- Neutral shear angle
- 3 PCD cutting edges
- Polished face
- Steel body
- Resharpenable cutter (max 4 times)
- 90° V-Groove to 90° fold; 135° V-Groove to 45° fold

### Applications:

- For CNC machines
- For V-grooves in aluminium composite materials (Aluco-bond, Dibond, etc.)

| $\beta$ | D  | L2  | d  | L3 | L1 | Z | Code (RH) |
|---------|----|-----|----|----|----|---|-----------|
| 90°     | 18 | 7,5 | 12 | 40 | 60 | 3 | DPV305D   |
| 135°    | 32 | 6,2 | 12 | 40 | 60 | 3 | DPV310D   |



CRUING INTRODUCE  
the new PCD  
Saw Blade



# OUR EXPERIENCE AT THE SERVICE OF THE CUSTOMERS



Thanks to the continuous research of new production technologies, Cruing is able to satisfy the needs of each of its customers. For this reason, we can offer a wide range of diamond blades for any use, from craftsmanship to the industrial sector, from furniture manufacturing to the construction sector.

## TWO SERIES SPECIFICALLY DESIGNED TO MEET TWO DIFFERENT PROCESSING NEEDS:

### V-IPER

The V-Iper series offers a range dedicated to cutting multiple materials, specifically designed to obtain excellent results in terms of finishing. The WR geometry of the teeth, produced by Cruing since 1996, allows a better sliding of the material during cutting operations, significantly reducing noise.



### CARBON-TECH

The Carbon-Tech series is dedicated for industrial use. It is available in two different tooth versions: TR / TR / AB and TR / TR. The TR / TR / AB tooth is particularly suitable for higher cutting speed maintaining a great quality finish. On the other hand, the TR / TR tooth is more recommended for general processing.

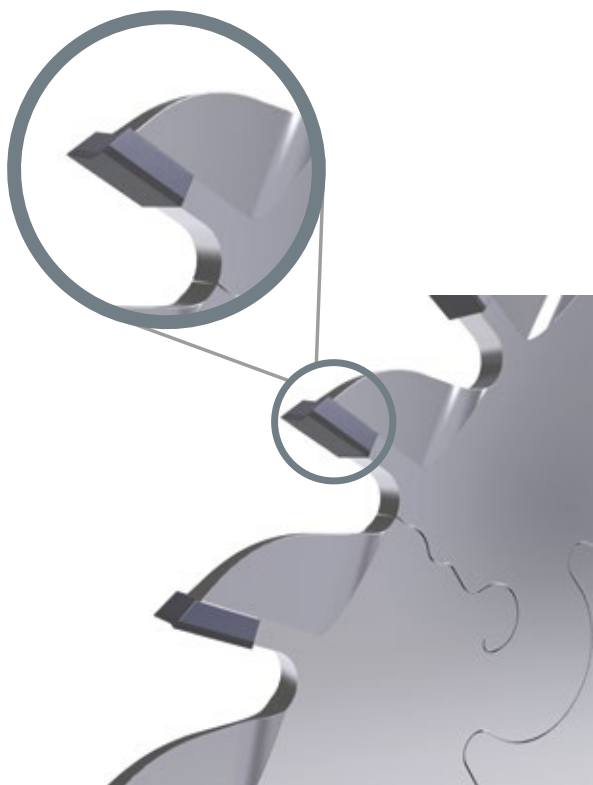


## EXPANSION CUTS

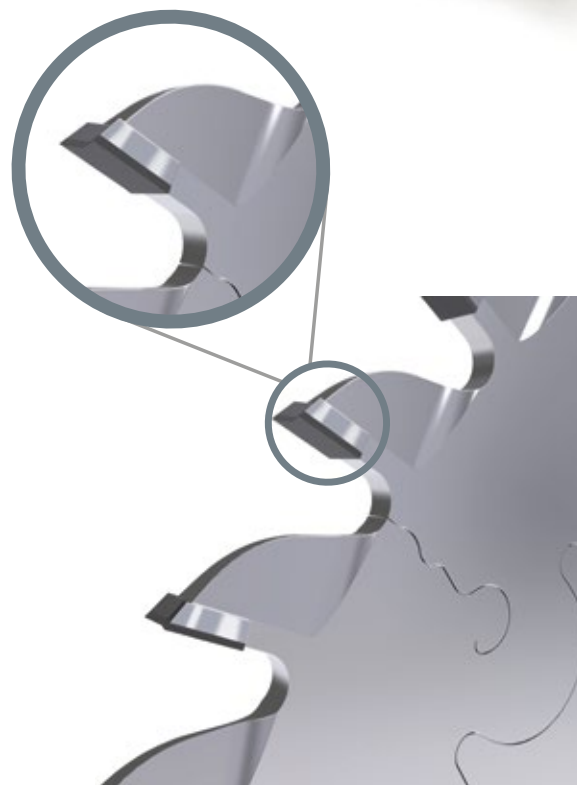
The small hook-shaped opening is essential to eliminate body distortions due to overheating during cutting operations. Also useful in reducing noise.

## POLISHED TEETH SIDE

The lapping of the teeth improves the sliding of the blade during cutting operations. In addition, it significantly reduces the accumulation of resin, chips and dust during panel processing.



TRADITIONAL TOOTH

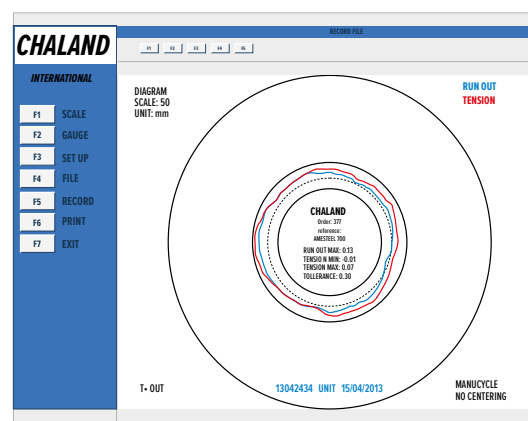
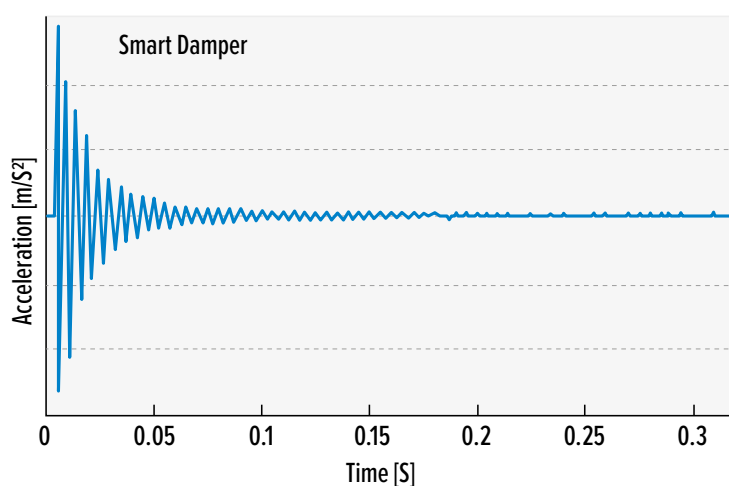


LAPPED TOOTH



## ANTI-VIBRATION CUTS

Special "S" shaped openings specially designed to reduce vibrations and body noise during cutting operations.



## TENSIONING

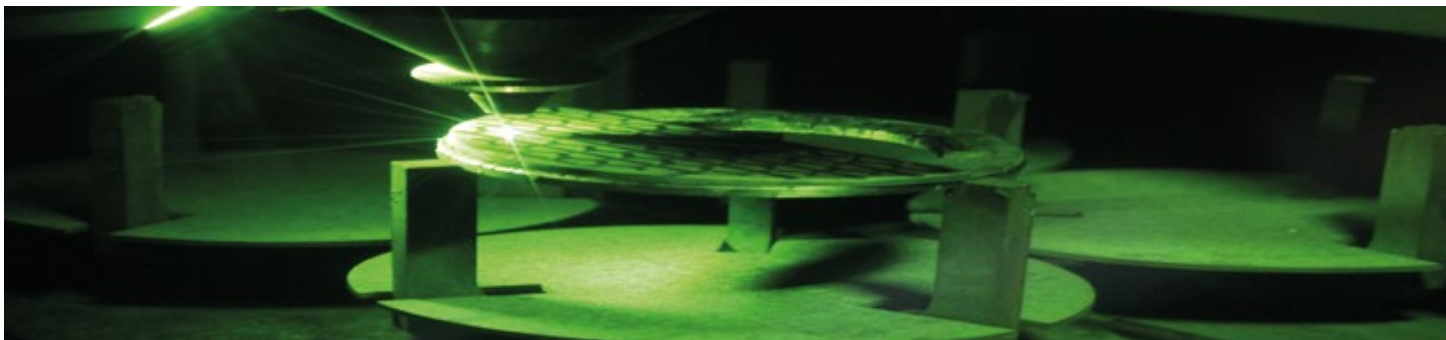
The mechanical body stiffening procedure guarantees perfect flatness and a solid surface, ensuring optimal cutting conditions over time, even after resharpening.





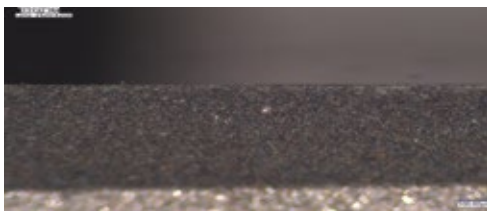
## SHARPENING

Made with the latest generation machines designed by Cruing to achieve exclusive geometries, not feasible with standard sharpeners.



## QUALITY CONTROL

Quality control is performed on all blades produced, eliminating production mistakes and ensuring the perfect functioning of all saw blades.



# STANDARD TEETH GEOMETRY

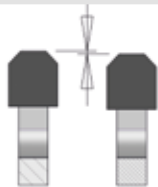


WR

## EXCELLENT FINISHING

Tooth geometry suitable for single or two/three panel cutting. Often used for high-quality work thanks to the excellent finishing on exit.

**WR/FA:** V-Iper is specifically designed to process single panels with top finishing and high feed speed.



TR / TR / AB

## FOR FINISHING

Tooth geometry suitable for single or two/three panel cutting. Having an excellent output finish is especially recommended for high-quality work.

**TR/TR/AB:** literally, trapezoid/trapezoid/high-low is the shape used most to guarantee a good feed speed on panel packs with optimized finishing at the exit.



TR / TR

## UNIVERSAL

Tooth geometry suitable for single and panel pack cutting and is excellent for high-speed machining.

**TR/TR:** literally, trapezoid/trapezoid is our most used shape; it guarantees a high feed speed and the possibility of cutting two or more panels without compromising execution speed.

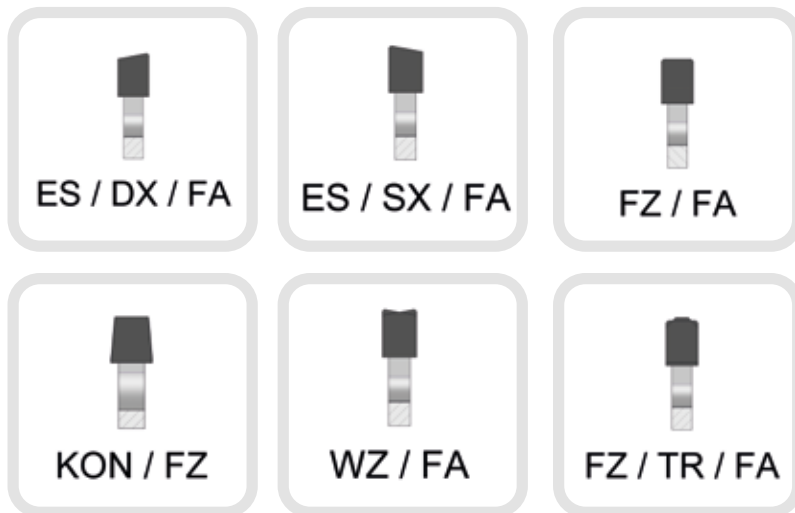


KON / FZ

## CONICAL SCORING

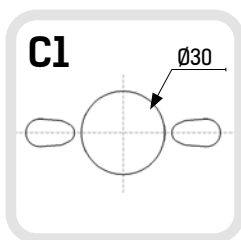
It is used to eliminate the chipping of the blade at the bottom of the panel. The particular conical shape of the tooth allow you to center the saw blade with scoring easily. Thanks to this scoring, an excellent finish is always guaranteed.

## CUSTOMIZED TEETH GEOMETRY



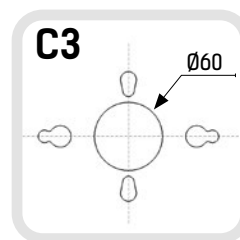
It is possible to create different geometries from our standard in the custom category, as in the examples.

## COMBINATION



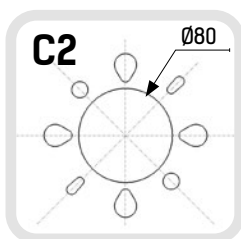
### COMBINATION C1 FOR HOLE Ø30

2/7/42  
2/9/46.4  
2/10/60



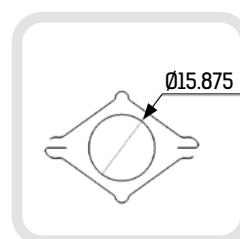
### COMBINATION C3 FOR HOLE Ø60

2/10/80  
1/11/85  
2/11/115  
2/11/148  
2/14/100  
2/14/125  
2/19/120



### COMBINATION C2 FOR HOLE Ø80

2/7/110  
2/8.4/130  
2/14/110  
4/9/100  
4/19/120



This combination allows you to use the blade with a cylindrical hole Ø15.875 or with the rhomboidal hole by removing the part with the cylindrical hole.

# TEETH COMPARISON FOR CORRECT USE



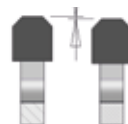
WR

V-IPER  
MULTI-MATERIAL



WR

V-IPER



TR / TR / AB

CARBON-TECH  
UNIVERSAL  
FOR FINISHING



TR / TR

CARBON-TECH  
UNIVERSAL

| PAGE                                                                                              | 75    | 76 - 77 | 79 - 80 | 82-83 |
|---------------------------------------------------------------------------------------------------|-------|---------|---------|-------|
| TABLE 1<br>MULTI-MATERIAL                                                                         | p. 74 | -       | -       | -     |
| TABLE 2<br>MULTI-MATERIAL                                                                         | p. 74 | -       | -       | -     |
| MDF - CHIPBOARD<br>HARD WOOD -<br>LAMINATED SOLID WOOD<br>PLYWOOD - OSB<br>VENEERED PARTICLEBOARD | ★★★★  | ★★★★    | ★★★★    | ★★★★  |
| HPL - COMPOSITE                                                                                   | ★★    | ★★      | ★★★★    | ★★★★  |
| HONEYCOMB                                                                                         | ★★★★  | ★★★★    | ★★      | ★     |
| SINGLE PANEL                                                                                      | ★★★★  | ★★★★    | ★★★★    | ★★    |
| PACKS                                                                                             | ★     | ★       | ★★★★    | ★★★★  |
| DURABILITY                                                                                        | ★★★   | ★       | ★★★★    | ★★★★  |
| FINISHING                                                                                         | ★★★★  | ★★★     | ★★★     | ★★    |
| CUTTING SPEED                                                                                     | ★★★★  | ★★★     | ★★★★    | ★★★   |
| QUALITY-PRICE RATIO                                                                               | ★★★★  | ★★★★    | ★★★     | ★★★★  |
| INDUSTRIAL USE                                                                                    | ★★★★  | ★       | ★★★★    | ★★★★  |
| CRAFTWORK<br>ECONOMIC USE                                                                         | ★★    | ★★★★    | ★       | ★     |

★★★★ EXCELLENT

★★★ GOOD

★★ FAIR

★ POOR

# V-IPER SAW BLADE MULTI-MATERIAL

Since 1997 Cruing has been producing this particular tooth geometry, carefully studied to optimize the finish of the different materials.

## ■ FAST

The reduced thickness of the teeth allows high cutting feeds.

## ■ UNIVERSAL

Suitable for all types of portable and miter saws, CNC, automated line systems, table saws and vertical panel saws.

## ■ NOISELESS

New groove design is specifically designed to reduce noise during cutting operations, thus greater safety and quiet working environments.

## ■ QUALITY MEANS SAVINGS

The diamond teeth guarantee an excellent cutting quality with a duration from 20 to 60 times (the duration depends on the type of material) longer than solid carbide blades. Teeth can be resharpened twice.

## ■ BODY COATING

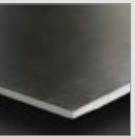
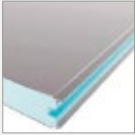
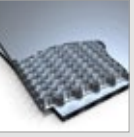
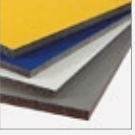
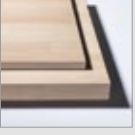
In addition to giving the blade a better aesthetic appearance, this coating creates a rust protection, avoiding a deterioration of the tool in a short time.



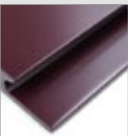
# UNIVERSAL V-IPER BLADE SUITABILITY

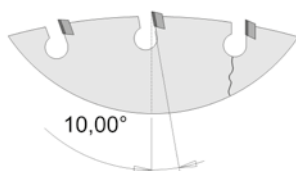
The WR tooth geometry allows the use of the blade on materials of different hardness offering the possibility to vary its use

**TABLE 1**  
**EXCELLENT ★★★★★**

|                                                                                                          |                                                                                                                  |                                                                                                          |                                                                                                             |                                                                                                       |                                                                                                                |                                                                                                            |                                                                                                                     |
|----------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------|
| PLYWOOD<br>             | DOUBLE PANEL<br>                | BEECH WOOD<br>          | BOARDS<br>                 | LARCH<br>            | LAMINATED PLASTERBOARD<br>   | POPLAR MULTILAYER<br>   | WOOD DERIVATIVES<br>             |
| POLYSTYRENE PANELS<br>  | TEAK SLATS<br>                  | FIR WOOD<br>            | WOODEN PANEL HONEYCOMB<br> | SPRUCE WOOD<br>      | GLULAM LAMINATED WOOD<br>    | BANGKIRAI<br>           | MELAMINE PANELS<br>              |
| PET HONEYCOMB<br>     | OAK WOOD<br>                  | VENEERED MDF<br>      | ASH WOOD<br>             | LAMINATED WOOD<br> | CORK PANELS<br>            | SOLID WOOD PANELS<br> | ALUMINIUM PANELS HONEYCOMB<br> |
| DRYWALL<br>           | COMPOSITE PANEL HONEYCOMB<br> | INSULATING PANELS<br> | OSB SANDWICH PANEL<br>   | HPL<br>            | SOUND ABSORBING PANELS<br> | CHIP WITH VENEER<br>  | SOLID WOOD<br>                 |
| LAMINATED PARQUET<br> | LIGHT ALUMINIUM PROFILE<br>   | MULTILAYER<br>        | WOOD BASED PANELS<br>    |                                                                                                       |                                                                                                                |                                                                                                            |                                                                                                                     |

**TABLE 2**  
**GOOD ★★★**

|                                                                                                      |                                                                                                     |                                                                                                     |                                                                                                     |                                                                                              |                                                                                                     |                                                                                                                    |                                                                                                            |                                                                                                             |
|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|
| LACQUERED MDF<br> | ROCK WOOLAND<br> | POLYETHYLENE<br> | GYPSUM FIBER<br> | BEAMS<br> | FIBROCEMENT<br> | ROCK WOOLAND PLASTERBOARD<br> | FIBERGLASS PANELS<br> | PLASTIC EDGE BANDS<br> |
|------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------|



## DLU-HDP 3

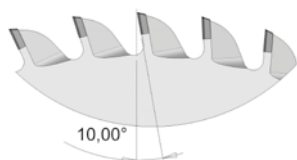
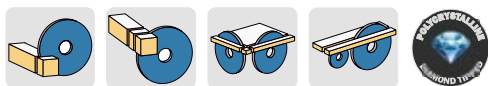
### Technical features:

- Re-sharpenable diamond universal circular saw blade
- Hook angle: 10°
- Low noise and no vibration
- Re-sharpening possibilities 2 times
- HDP: 3
- for single panels or stacks
- for panel sizing machine (to be used with scoring)

### Fits on to:

- Horizontal panel sizing machines, table saws, radial arm saws, miter saws
- Materials on page 12

| D   | d  | B   | b   | Z  | HDP | tooth | CFT                   | COMBO | CODE   |
|-----|----|-----|-----|----|-----|-------|-----------------------|-------|--------|
| 160 | 20 | 2,2 | 1,6 | 24 | 3   | WR    | 2/6/32                | -     | DLU630 |
| 190 | 30 | 2,5 | 2   | 28 | 3   | WR    | 2/7/42                | -     | DLU640 |
| 216 | 30 | 2,5 | 2   | 36 | 3   | WR    | 2/7/42                | -     | DLU650 |
| 250 | 30 | 2,5 | 2   | 42 | 3   | WR    | 2/7/42+2/9/46+2/10/60 | C1    | DLU660 |
| 300 | 30 | 2,5 | 2   | 48 | 3   | WR    | 2/7/42+2/9/46+2/10/60 | C1    | DLU670 |



## DLU-HDP 4

### Technical features:

- Re-sharpenable diamond universal circular saw blade
- Hook angle: 10°
- Low noise and no vibration
- Re-sharpening possibilities 4-6 times
- HDP: 4
- for single panels or stacks
- for panel sizing machine (to be used with scoring)

### Fits on to:

- flange or motor arbor

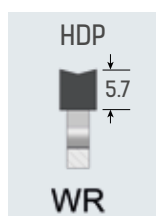
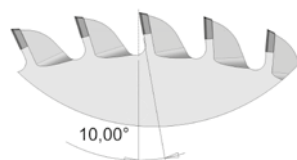
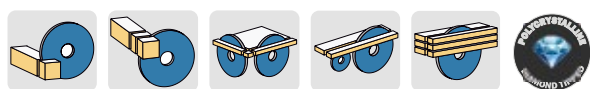


### Economic Range (HDP4)

| D   | d  | B   | b   | Z  | HDP | tooth | COMBO | CODE   |
|-----|----|-----|-----|----|-----|-------|-------|--------|
| 250 | 30 | 3,2 | 2,2 | 60 | 4   | WR    | C1    | DLU570 |
| 300 | 30 | 3,2 | 2,2 | 60 | 4   | WR    | C1    | DLU580 |
| 300 | 30 | 3,2 | 2,2 | 72 | 4   | WR    | C1    | DLU590 |
| 300 | 30 | 3,2 | 2,2 | 96 | 4   | WR    | C1    | DLU600 |
| 350 | 30 | 3,5 | 2,2 | 72 | 4   | WR    | C1    | DLU610 |
| 350 | 30 | 3,5 | 2,2 | 96 | 4   | WR    | C1    | DLU620 |

### Scoring

| D   | d  | B       | b   | Z  | HDP | tooth  | COMBO | CODE   |
|-----|----|---------|-----|----|-----|--------|-------|--------|
| 120 | 20 | 3,1-4,1 | 2,2 | 24 | 4   | KON/FZ | -     | DIS440 |
| 125 | 20 | 3,1-4,1 | 2,2 | 24 | 4   | KON/FZ | -     | DIS470 |



## DLU-HDP 5.7

### Technical features:

- Re-sharpenable diamond universal circular saw blade
- Hook angle: 10°
- Low noise and no vibration
- Re-sharpening possibilities 6-8 times
- HDP: 5.7
- for single panels or stacks
- for panel sizing machine (to be used with scoring)

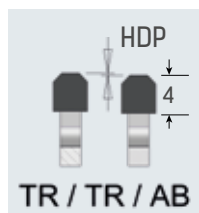
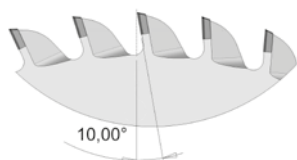
### Fits on to:

- flange or motor arbor



| D   | d  | B    | b   | Z  | HDP | tooth | COMBO            | CODE   |
|-----|----|------|-----|----|-----|-------|------------------|--------|
| 250 | 30 | 3,2  | 2,2 | 60 | 5,7 | WR    | C1               | DLU010 |
| 280 | 30 | 3,2  | 2,2 | 60 | 5,7 | WR    | C1               | DLU020 |
| 300 | 30 | 3,2  | 2,2 | 60 | 5,7 | WR    | C1               | DLU030 |
| 300 | 30 | 3,2  | 2,2 | 96 | 5,7 | WR    | C1               | DLU040 |
| 300 | 30 | 4,4  | 3,2 | 60 | 5,7 | WR    | C1               | DLU050 |
| 300 | 30 | 4,4  | 3,2 | 72 | 5,7 | WR    | C1               | DLU060 |
| 300 | 75 | 3,2  | 2,2 | 60 | 5,7 | WR    | 4/15/105+2/7/110 | DLU070 |
| 300 | 75 | 4,4  | 3   | 60 | 5,7 | WR    | 4/15/105+2/7/110 | DLU080 |
| 300 | 75 | 4,4  | 3,2 | 60 | 5,7 | WR    | 4/15/105+2/7/110 | DLU090 |
| 300 | 80 | 3,2  | 2,2 | 60 | 5,7 | WR    | C2               | DLU100 |
| 300 | 80 | 3,2  | 2,2 | 72 | 5,7 | WR    | C2               | DLU110 |
| 300 | 80 | 4,4  | 3,2 | 60 | 5,7 | WR    | C2               | DLU120 |
| 300 | 80 | 4,4  | 3,2 | 72 | 5,7 | WR    | C2               | DLU130 |
| 320 | 30 | 4,4  | 3,2 | 60 | 5,7 | WR    | C1               | DLU140 |
| 350 | 30 | 3,2  | 2,2 | 72 | 5,7 | WR    | C1               | DLU150 |
| 350 | 30 | 4,25 | 3   | 60 | 5,7 | WR    | C1               | DLU160 |
| 350 | 30 | 4,25 | 3   | 72 | 5,7 | WR    | C1               | DLU170 |
| 350 | 30 | 4,4  | 3,2 | 60 | 5,7 | WR    | C1               | DLU180 |
| 350 | 30 | 4,4  | 3,2 | 72 | 5,7 | WR    | C1               | DLU190 |
| 350 | 50 | 3,2  | 2,2 | 60 | 5,7 | WR    | 3/12,5/80        | DLU200 |
| 350 | 50 | 3,2  | 2,2 | 72 | 5,7 | WR    | 3/12,5/80        | DLU210 |
| 350 | 50 | 4,4  | 3,2 | 60 | 5,7 | WR    | 3/12,5/80        | DLU220 |
| 350 | 50 | 4,4  | 3,2 | 72 | 5,7 | WR    | 3/12,5/80        | DLU230 |

| D   | d  | B   | b   | Z  | HDP | tooth | COMBO                       | CODE   |
|-----|----|-----|-----|----|-----|-------|-----------------------------|--------|
| 350 | 60 | 3,2 | 2,2 | 60 | 5,7 | WR    | C3                          | DLU240 |
| 350 | 60 | 3,2 | 2,2 | 72 | 5,7 | WR    | C3                          | DLU250 |
| 350 | 60 | 4,4 | 3,2 | 60 | 5,7 | WR    | C3                          | DLU260 |
| 350 | 60 | 4,4 | 3,2 | 72 | 5,7 | WR    | C3                          | DLU270 |
| 350 | 75 | 3,2 | 2,2 | 60 | 5,7 | WR    | 4/15/105+3/7/110            | DLU280 |
| 350 | 75 | 3,2 | 2,2 | 72 | 5,7 | WR    | 4/15/105+3/7/110            | DLU290 |
| 350 | 75 | 4,4 | 3,2 | 60 | 5,7 | WR    | 4/15/105+3/7/110            | DLU300 |
| 350 | 75 | 4,4 | 3,2 | 72 | 5,7 | WR    | 4/15/105+3/7/110            | DLU310 |
| 350 | 80 | 3,2 | 2,2 | 60 | 5,7 | WR    | C2                          | DLU320 |
| 350 | 80 | 3,2 | 2,2 | 72 | 5,7 | WR    | C2                          | DLU330 |
| 350 | 80 | 4,4 | 3,2 | 60 | 5,7 | WR    | C2                          | DLU340 |
| 350 | 80 | 4,4 | 3,2 | 72 | 5,7 | WR    | C2                          | DLU350 |
| 355 | 65 | 3,2 | 2,2 | 72 | 5,7 | WR    | 2/9/100+2/9/110             | DLU360 |
| 355 | 65 | 4,4 | 3,2 | 72 | 5,7 | WR    | 2/9/100+2/9/110             | DLU370 |
| 355 | 75 | 3,2 | 2,2 | 72 | 5,7 | WR    | 4/15/105+3/7/110            | DLU380 |
| 355 | 75 | 4,4 | 3,2 | 72 | 5,7 | WR    | 4/15/105+3/7/110            | DLU390 |
| 355 | 80 | 3,2 | 2,2 | 72 | 5,7 | WR    | 4/9/100+2/9/110<br>2/14/110 | DLU400 |
| 355 | 80 | 3,2 | 2,2 | 72 | 5,7 | WR    | C2                          | DLU410 |
| 355 | 80 | 4,4 | 3,2 | 60 | 5,7 | WR    | C2                          | DLU420 |
| 355 | 80 | 4,4 | 3,2 | 72 | 5,7 | WR    | C2                          | DLU430 |
| 360 | 65 | 4,4 | 3,2 | 72 | 5,7 | WR    | 2/9/100+2/9/110             | DLU440 |
| 370 | 30 | 3,2 | 2,2 | 72 | 5,7 | WR    | C1                          | DLU450 |
| 370 | 30 | 4,4 | 3,2 | 72 | 5,7 | WR    | C1                          | DLU460 |
| 380 | 30 | 4,4 | 3,2 | 72 | 5,7 | WR    | C1                          | DLU471 |
| 380 | 60 | 4,4 | 3,2 | 72 | 5,7 | WR    | C3                          | DLU470 |
| 380 | 60 | 4,8 | 3,5 | 72 | 5,7 | WR    | C3                          | DLU480 |
| 380 | 80 | 4,4 | 3,2 | 72 | 5,7 | WR    | C2                          | DLU490 |
| 400 | 30 | 4,4 | 3,2 | 60 | 5,7 | WR    | C1                          | DLU500 |
| 400 | 30 | 4,4 | 3,2 | 72 | 5,7 | WR    | C1                          | DLU510 |
| 400 | 60 | 4,4 | 3,2 | 72 | 5,7 | WR    | C3                          | DLU520 |
| 400 | 75 | 4,4 | 3,2 | 60 | 5,7 | WR    | 4/15/105+3/7/110            | DLU530 |
| 400 | 75 | 4,4 | 3,2 | 72 | 5,7 | wr    | 4/15/105+3/7/110            | DLU540 |
| 400 | 80 | 4,4 | 3,2 | 60 | 5,7 | WR    | C2                          | DLU550 |
| 400 | 80 | 4,4 | 3,2 | 72 | 5,7 | WR    | C2                          | DLU560 |



## DLW-HDP 4

### Technical features:

- Re-sharpenable diamond universal circular saw blade
- Hook angle: 10°
- Low noise and no vibration
- Re-sharpening possibilities 4-6 times
- HDP: 4
- for single panels or stacks
- for panel sizing machine (to be used with scoring)

### Fits on to:

- flange or motor arbor

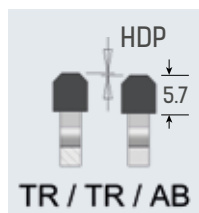
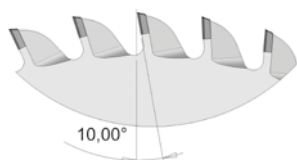


### Economic Range (HDP4)

| D   | d  | B   | b   | Z  | HDP | tooth    | COMBO | CODE   |
|-----|----|-----|-----|----|-----|----------|-------|--------|
| 250 | 30 | 3,2 | 2,2 | 60 | 4   | TR/TR/AB | C1    | DLW570 |
| 300 | 30 | 3,2 | 2,2 | 60 | 4   | TR/TR/AB | C1    | DLW580 |
| 300 | 30 | 3,2 | 2,2 | 72 | 4   | TR/TR/AB | C1    | DLW590 |
| 300 | 30 | 3,2 | 2,2 | 96 | 4   | TR/TR/AB | C1    | DLW600 |
| 350 | 30 | 3,5 | 2,2 | 72 | 4   | TR/TR/AB | C1    | DLW610 |
| 350 | 30 | 3,5 | 2,2 | 96 | 4   | TR/TR/AB | C1    | DLW620 |

### Scoring (HDP4)

| D   | d  | B       | b   | Z  | HDP | tooth  | COMBO | CODE   |
|-----|----|---------|-----|----|-----|--------|-------|--------|
| 120 | 20 | 3,1-4,1 | 2,2 | 24 | 4   | KON/FZ | -     | DIS440 |
| 125 | 20 | 3,1-4,1 | 2,2 | 24 | 4   | KON/FZ | -     | DIS470 |



## DLW-HDP 5.7

### Technical features:

- Re-sharpenable diamond universal circular saw blade
- Hook angle: 10°
- Low noise and no vibration
- Re-sharpening possibilities 6-8 times
- HDP: 5.7
- for single panels or stacks
- for panel sizing machine (to be used with scoring)

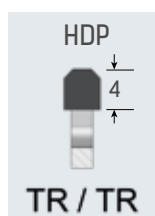
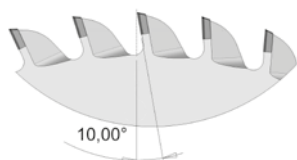
### Fits on to:

- flange or motor arbor



| D   | d  | B    | b   | Z  | HDP | tooth    | COMBO            | CODE   |
|-----|----|------|-----|----|-----|----------|------------------|--------|
| 250 | 30 | 3,2  | 2,2 | 60 | 5,7 | TR/TR/AB | C1               | DLW010 |
| 280 | 30 | 3,2  | 2,2 | 60 | 5,7 | TR/TR/AB | C1               | DLW020 |
| 300 | 30 | 3,2  | 2,2 | 60 | 5,7 | TR/TR/AB | C1               | DLW030 |
| 300 | 30 | 3,2  | 2,2 | 96 | 5,7 | TR/TR/AB | C1               | DLW040 |
| 300 | 30 | 4,4  | 3,2 | 60 | 5,7 | TR/TR/AB | C1               | DLW050 |
| 300 | 30 | 4,4  | 3,2 | 72 | 5,7 | TR/TR/AB | C1               | DLW060 |
| 300 | 75 | 3,2  | 2,2 | 60 | 5,7 | TR/TR/AB | 4/15/105+2/7/110 | DLW070 |
| 300 | 75 | 4,4  | 3   | 60 | 5,7 | TR/TR/AB | 4/15/105+2/7/110 | DLW080 |
| 300 | 75 | 4,4  | 3,2 | 60 | 5,7 | TR/TR/AB | 4/15/105+2/7/110 | DLW090 |
| 300 | 80 | 3,2  | 2,2 | 60 | 5,7 | TR/TR/AB | C2               | DLW100 |
| 300 | 80 | 3,2  | 2,2 | 72 | 5,7 | TR/TR/AB | C2               | DLW110 |
| 300 | 80 | 4,4  | 3,2 | 60 | 5,7 | TR/TR/AB | C2               | DLW120 |
| 300 | 80 | 4,4  | 3,2 | 72 | 5,7 | TR/TR/AB | C2               | DLW130 |
| 320 | 30 | 4,4  | 3,2 | 60 | 5,7 | TR/TR/AB | C1               | DLW140 |
| 350 | 30 | 3,2  | 2,2 | 72 | 5,7 | TR/TR/AB | C1               | DLW150 |
| 350 | 30 | 4,25 | 3   | 60 | 5,7 | TR/TR/AB | C1               | DLW160 |
| 350 | 30 | 4,25 | 3   | 72 | 5,7 | TR/TR/AB | C1               | DLW170 |
| 350 | 30 | 4,4  | 3,2 | 60 | 5,7 | TR/TR/AB | C1               | DLW180 |
| 350 | 30 | 4,4  | 3,2 | 72 | 5,7 | TR/TR/AB | C1               | DLW190 |
| 350 | 50 | 3,2  | 2,2 | 60 | 5,7 | TR/TR/AB | 3/12,5/80        | DLW200 |
| 350 | 50 | 3,2  | 2,2 | 72 | 5,7 | TR/TR/AB | 3/12,5/80        | DLW210 |
| 350 | 50 | 4,4  | 3,2 | 60 | 5,7 | TR/TR/AB | 3/12,5/80        | DLW220 |
| 350 | 50 | 4,4  | 3,2 | 72 | 5,7 | TR/TR/AB | 3/12,5/80        | DLW230 |

| D   | d  | B   | b   | Z  | HDP | tooth    | COMBO                       | CODE   |
|-----|----|-----|-----|----|-----|----------|-----------------------------|--------|
| 350 | 60 | 3,2 | 2,2 | 60 | 5,7 | TR/TR/AB | C3                          | DLW240 |
| 350 | 60 | 3,2 | 2,2 | 72 | 5,7 | TR/TR/AB | C3                          | DLW250 |
| 350 | 60 | 4,4 | 3,2 | 60 | 5,7 | TR/TR/AB | C3                          | DLW260 |
| 350 | 60 | 4,4 | 3,2 | 72 | 5,7 | TR/TR/AB | C3                          | DLW270 |
| 350 | 75 | 3,2 | 2,2 | 60 | 5,7 | TR/TR/AB | 4/15/105+3/7/110            | DLW280 |
| 350 | 75 | 3,2 | 2,2 | 72 | 5,7 | TR/TR/AB | 4/15/105+3/7/110            | DLW290 |
| 350 | 75 | 4,4 | 3,2 | 60 | 5,7 | TR/TR/AB | 4/15/105+3/7/110            | DLW300 |
| 350 | 75 | 4,4 | 3,2 | 72 | 5,7 | TR/TR/AB | 4/15/105+3/7/110            | DLW310 |
| 350 | 80 | 3,2 | 2,2 | 60 | 5,7 | TR/TR/AB | C2                          | DLW320 |
| 350 | 80 | 3,2 | 2,2 | 72 | 5,7 | TR/TR/AB | C2                          | DLW330 |
| 350 | 80 | 4,4 | 3,2 | 60 | 5,7 | TR/TR/AB | C2                          | DLW340 |
| 350 | 80 | 4,4 | 3,2 | 72 | 5,7 | TR/TR/AB | C2                          | DLW350 |
| 355 | 65 | 3,2 | 2,2 | 72 | 5,7 | TR/TR/AB | 2/9/100+2/9/110             | DLW360 |
| 355 | 65 | 4,4 | 3,2 | 72 | 5,7 | TR/TR/AB | 2/9/100+2/9/110             | DLW370 |
| 355 | 75 | 3,2 | 2,2 | 72 | 5,7 | TR/TR/AB | 4/15/105+3/7/110            | DLW380 |
| 355 | 75 | 4,4 | 3,2 | 72 | 5,7 | TR/TR/AB | 4/15/105+3/7/110            | DLW390 |
| 355 | 80 | 3,2 | 2,2 | 72 | 5,7 | TR/TR/AB | 4/9/100+2/9/110<br>2/14/110 | DLW400 |
| 355 | 80 | 3,2 | 2,2 | 72 | 5,7 | TR/TR/AB | C2                          | DLW410 |
| 355 | 80 | 4,4 | 3,2 | 60 | 5,7 | TR/TR/AB | C2                          | DLW420 |
| 355 | 80 | 4,4 | 3,2 | 72 | 5,7 | TR/TR/AB | C2                          | DLW430 |
| 360 | 65 | 4,4 | 3,2 | 72 | 5,7 | TR/TR/AB | 2/9/100+2/9/110             | DLW440 |
| 370 | 30 | 3,2 | 2,2 | 72 | 5,7 | TR/TR/AB | C1                          | DLW450 |
| 370 | 30 | 4,4 | 3,2 | 72 | 5,7 | TR/TR/AB | C1                          | DLW460 |
| 380 | 30 | 4,4 | 3,2 | 72 | 5,7 | TR/TR/AB | C1                          | DLW471 |
| 380 | 60 | 4,4 | 3,2 | 72 | 5,7 | TR/TR/AB | C3                          | DLW470 |
| 380 | 60 | 4,8 | 3,5 | 72 | 5,7 | TR/TR/AB | C3                          | DLW480 |
| 380 | 80 | 4,4 | 3,2 | 72 | 5,7 | TR/TR/AB | C2                          | DLW490 |
| 400 | 30 | 4,4 | 3,2 | 60 | 5,7 | TR/TR/AB | C1                          | DLW500 |
| 400 | 30 | 4,4 | 3,2 | 72 | 5,7 | TR/TR/AB | C1                          | DLW510 |
| 400 | 60 | 4,4 | 3,2 | 72 | 5,7 | TR/TR/AB | C3                          | DLW520 |
| 400 | 75 | 4,4 | 3,2 | 60 | 5,7 | TR/TR/AB | 4/15/105+3/7/110            | DLW530 |
| 400 | 75 | 4,4 | 3,2 | 72 | 5,7 | TR/TR/AB | 4/15/105+3/7/110            | DLW540 |
| 400 | 80 | 4,4 | 3,2 | 60 | 5,7 | TR/TR/AB | C2                          | DLW550 |
| 400 | 80 | 4,4 | 3,2 | 72 | 5,7 | TR/TR/AB | C2                          | DLW560 |



## DLZ-HDP 4

### Technical features:

- Re-sharpenable diamond universal circular saw blade
- Hook angle: 10°
- Low noise and no vibration
- Re-sharpening possibilities 4-6 times
- HDP: 4
- for single panels or stacks
- for panel sizing machine (to be used with scoring)

### Fits on to:

- flange or motor arbor



wood based panel



solid wood



veneered panel



plastic edge bands



MDF, melamine and foil laminates



plywood



particle board



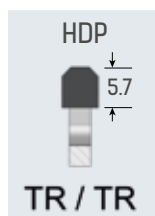
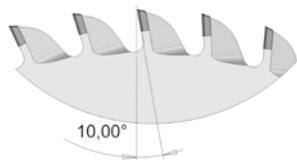
HPL

### Economic Range (HDP4)

| D   | d  | B   | b   | Z  | HDP | tooth | COMBO | CODE   |
|-----|----|-----|-----|----|-----|-------|-------|--------|
| 250 | 30 | 3,2 | 2,2 | 60 | 4   | TR/TR | C1    | DLZ870 |
| 300 | 30 | 3,2 | 2,2 | 60 | 4   | TR/TR | C1    | DLZ880 |
| 300 | 30 | 3,2 | 2,2 | 72 | 4   | TR/TR | C1    | DLZ890 |
| 300 | 30 | 3,2 | 2,2 | 96 | 4   | TR/TR | C1    | DLZ900 |
| 350 | 30 | 3,5 | 2,2 | 72 | 4   | TR/TR | C1    | DLZ910 |
| 350 | 30 | 3,5 | 2,2 | 96 | 4   | TR/TR | C1    | DLZ920 |

### Scoring

| D   | d  | B       | b   | Z  | HDP | tooth  | COMBO | CODE   |
|-----|----|---------|-----|----|-----|--------|-------|--------|
| 120 | 20 | 3,1-4,1 | 2,2 | 24 | 4   | KON/FZ | -     | DIS440 |
| 125 | 20 | 3,1-4,1 | 2,2 | 24 | 4   | KON/FZ | -     | DIS470 |



## DLZ-HDP 5.7

### Technical features:

- Re-sharpenable diamond universal circular saw blade
- Hook angle: 10°
- Low noise and no vibration
- Re-sharpening possibilities 6-8 times
- HDP: 5.7
- for single panels or stacks
- for panel sizing machine (to be used with scoring)

### Fits on to:

- flange or motor arbor

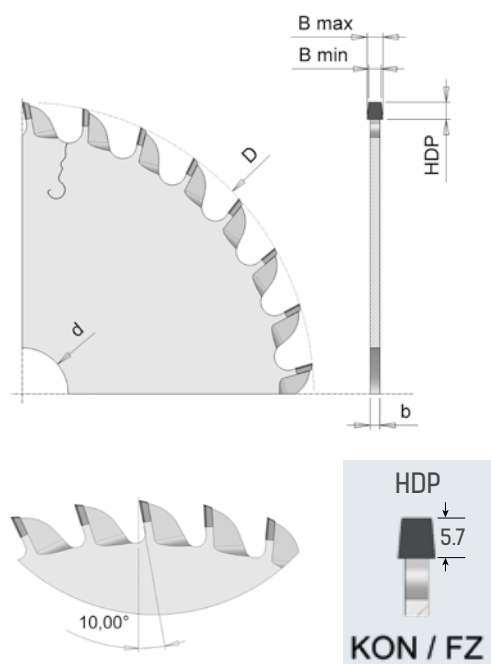


| D   | d  | B    | b   | Z  | HDP | tooth | COMBO            | CODE   |
|-----|----|------|-----|----|-----|-------|------------------|--------|
| 250 | 30 | 3,2  | 2,2 | 60 | 5,7 | TR/TR | C1               | DLZ010 |
| 280 | 30 | 3,2  | 2,2 | 60 | 5,7 | TR/TR | C1               | DLZ020 |
| 300 | 30 | 3,2  | 2,2 | 60 | 5,7 | TR/TR | C1               | DLZ030 |
| 300 | 30 | 3,2  | 2,2 | 96 | 5,7 | TR/TR | C1               | DLZ040 |
| 300 | 30 | 4,4  | 3,2 | 60 | 5,7 | TR/TR | C1               | DLZ050 |
| 300 | 30 | 4,4  | 3,2 | 72 | 5,7 | TR/TR | C1               | DLZ060 |
| 300 | 75 | 3,2  | 2,2 | 60 | 5,7 | TR/TR | 4/15/105+2/7/110 | DLZ070 |
| 300 | 75 | 4,4  | 3   | 60 | 5,7 | TR/TR | 4/15/105+2/7/110 | DLZ080 |
| 300 | 75 | 4,4  | 3,2 | 60 | 5,7 | TR/TR | 4/15/105+2/7/110 | DLZ090 |
| 300 | 80 | 3,2  | 2,2 | 60 | 5,7 | TR/TR | C2               | DLZ100 |
| 300 | 80 | 3,2  | 2,2 | 72 | 5,7 | TR/TR | C2               | DLZ110 |
| 300 | 80 | 4,4  | 3,2 | 60 | 5,7 | TR/TR | C2               | DLZ120 |
| 300 | 80 | 4,4  | 3,2 | 72 | 5,7 | TR/TR | C2               | DLZ130 |
| 320 | 30 | 4,4  | 3,2 | 60 | 5,7 | TR/TR | C1               | DLZ140 |
| 350 | 30 | 3,2  | 2,2 | 72 | 5,7 | TR/TR | C1               | DLZ150 |
| 350 | 30 | 4,25 | 3   | 60 | 5,7 | TR/TR | C1               | DLZ160 |
| 350 | 30 | 4,25 | 3   | 72 | 5,7 | TR/TR | C1               | DLZ170 |
| 350 | 30 | 4,4  | 3,2 | 60 | 5,7 | TR/TR | C1               | DLZ180 |
| 350 | 30 | 4,4  | 3,2 | 72 | 5,7 | TR/TR | C1               | DLZ190 |
| 350 | 50 | 3,2  | 2,2 | 60 | 5,7 | TR/TR | 3/12,5/80        | DLZ200 |
| 350 | 50 | 3,2  | 2,2 | 72 | 5,7 | TR/TR | 3/12,5/80        | DLZ210 |
| 350 | 50 | 4,4  | 3,2 | 60 | 5,7 | TR/TR | 3/12,5/80        | DLZ220 |
| 350 | 50 | 4,4  | 3,2 | 72 | 5,7 | TR/TR | 3/12,5/80        | DLZ230 |

| D   | d  | B   | b   | Z  | HDP | tooth | COMBO                        | CODE   |
|-----|----|-----|-----|----|-----|-------|------------------------------|--------|
| 350 | 60 | 3,2 | 2,2 | 60 | 5,7 | TR/TR | C3                           | DLZ240 |
| 350 | 60 | 3,2 | 2,2 | 72 | 5,7 | TR/TR | C3                           | DLZ250 |
| 350 | 60 | 4,4 | 3,2 | 60 | 5,7 | TR/TR | C3                           | DLZ260 |
| 350 | 60 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C3                           | DLZ270 |
| 350 | 75 | 3,2 | 2,2 | 60 | 5,7 | TR/TR | 4/15/105+3/7/110             | DLZ280 |
| 350 | 75 | 3,2 | 2,2 | 72 | 5,7 | TR/TR | 4/15/105+3/7/110             | DLZ290 |
| 350 | 75 | 4,4 | 3,2 | 60 | 5,7 | TR/TR | 4/15/105+3/7/110             | DLZ300 |
| 350 | 75 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | 4/15/105+3/7/110             | DLZ310 |
| 350 | 80 | 3,2 | 2,2 | 60 | 5,7 | TR/TR | C2                           | DLZ320 |
| 350 | 80 | 3,2 | 2,2 | 72 | 5,7 | TR/TR | C2                           | DLZ330 |
| 350 | 80 | 4,4 | 3,2 | 60 | 5,7 | TR/TR | C2                           | DLZ340 |
| 350 | 80 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C2                           | DLZ350 |
| 355 | 65 | 3,2 | 2,2 | 72 | 5,7 | TR/TR | 2/9/100+2/9/110              | DLZ360 |
| 355 | 65 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | 2/9/100+2/9/110              | DLZ370 |
| 355 | 75 | 3,2 | 2,2 | 72 | 5,7 | TR/TR | 4/15/105+3/7/110             | DLZ380 |
| 355 | 75 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | 4/15/105+3/7/110             | DLZ390 |
| 355 | 80 | 3,2 | 2,2 | 72 | 5,7 | TR/TR | 4/9/100+2/9/110<br>2/14/110  | DLZ400 |
| 355 | 80 | 3,2 | 2,2 | 72 | 5,7 | TR/TR | C2                           | DLZ410 |
| 355 | 80 | 4,4 | 3,2 | 60 | 5,7 | TR/TR | C2                           | DLZ420 |
| 355 | 80 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C2                           | DLZ430 |
| 360 | 65 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | 2/9/100+2/9/110              | DLZ440 |
| 370 | 30 | 3,2 | 2,2 | 72 | 5,7 | TR/TR | C1                           | DLZ450 |
| 370 | 30 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C1                           | DLZ460 |
| 380 | 30 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C1                           | DLZ471 |
| 380 | 60 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C3                           | DLZ470 |
| 380 | 60 | 4,8 | 3,5 | 72 | 5,7 | TR/TR | C3                           | DLZ480 |
| 380 | 80 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C2                           | DLZ490 |
| 400 | 30 | 4,4 | 3,2 | 60 | 5,7 | TR/TR | C1                           | DLZ500 |
| 400 | 30 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C1                           | DLZ510 |
| 400 | 60 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C3                           | DLZ520 |
| 400 | 75 | 4,4 | 3,2 | 60 | 5,7 | TR/TR | 4/15/105+3/7/110             | DLZ530 |
| 400 | 75 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | 4/15/105+3/7/110             | DLZ540 |
| 400 | 80 | 4,4 | 3,2 | 60 | 5,7 | TR/TR | C2                           | DLZ550 |
| 400 | 80 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C2                           | DLZ560 |
| 420 | 60 | 4,8 | 3,5 | 72 | 5,7 | TR/TR | C3                           | DLZ571 |
| 420 | 60 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C1                           | DLZ581 |
| 420 | 80 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C2                           | DLZ570 |
| 420 | 80 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | 4/9/100+2/9/110<br>+2/14/110 | DLZ580 |
| 430 | 65 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | 2/9/100+2/9/110              | DLZ590 |
| 430 | 75 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | 4/15/105+2/7/110             | DLZ600 |
| 430 | 80 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C2                           | DLZ610 |
| 450 | 30 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C2                           | DLZ620 |
| 450 | 60 | 4,8 | 3,5 | 72 | 5,7 | TR/TR | C3                           | DLZ630 |
| 450 | 80 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C2                           | DLZ641 |

| D   | d   | B   | b   | Z  | HDP | tooth | COMBO            | CODE   |
|-----|-----|-----|-----|----|-----|-------|------------------|--------|
| 450 | 80  | 4,8 | 3,5 | 60 | 5,7 | TR/TR | C2               | DLZ640 |
| 450 | 80  | 4,8 | 3,5 | 72 | 5,7 | TR/TR | C2               | DLZ650 |
| 460 | 30  | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C1               | DLZ661 |
| 460 | 30  | 4,8 | 3,5 | 72 | 5,7 | TR/TR | C1               | DLZ660 |
| 460 | 75  | 4,4 | 3,2 | 72 | 5,7 | TR/TR | 4/15/105         | DLZ670 |
| 460 | 75  | 4,8 | 3,5 | 72 | 5,7 | TR/TR | 4/15/105+2/7/120 | DLZ680 |
| 480 | 30  | 4,8 | 3,5 | 72 | 5,7 | TR/TR | C1               | DLZ690 |
| 480 | 30  | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C1               | DLZ700 |
| 480 | 60  | 4,8 | 3,5 | 72 | 5,7 | TR/TR | C3               | DLZ691 |
| 480 | 60  | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C3               | DLZ701 |
| 500 | 60  | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C3               | DLZ710 |
| 500 | 60  | 4,8 | 3,5 | 72 | 5,7 | TR/TR | C3               | DLZ720 |
| 500 | 80  | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C2               | DLZ730 |
| 500 | 80  | 4,8 | 3,5 | 72 | 5,7 | TR/TR | C2               | DLZ740 |
| 520 | 30  | 4,8 | 3,5 | 72 | 5,7 | TR/TR | C1               | DLZ750 |
| 530 | 60  | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C3               | DLZ760 |
| 550 | 60  | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C3               | DLZ770 |
| 550 | 60  | 4,8 | 3,5 | 96 | 5,7 | TR/TR | C3               | DLZ780 |
| 550 | 60  | 4,8 | 3,5 | 72 | 5,7 | TR/TR | C3               | DLZ790 |
| 550 | 80  | 4,8 | 3,5 | 60 | 5,7 | TR/TR | C2               | DLZ800 |
| 550 | 80  | 4,4 | 3,2 | 72 | 5,7 | TR/TR | C2               | DLZ810 |
| 550 | 80  | 4,8 | 3,5 | 72 | 5,7 | TR/TR | C2               | DLZ820 |
| 550 | 80  | 4,8 | 3,5 | 96 | 5,7 | TR/TR | C2               | DLZ830 |
| 550 | 100 | 4,4 | 3,2 | 72 | 5,7 | TR/TR | -                | DLZ840 |
| 565 | 100 | 5,2 | 3,8 | 60 | 5,7 | TR/TR | -                | DLZ850 |
| 565 | 100 | 5,2 | 3,8 | 72 | 5,7 | TR/TR | -                | DLZ860 |

# CONICAL SCORING



## DIS-HDP 5.7

### Technical features:

- Scoring saw blade
- for single panels or stacks
- Hook angle: 10°
- HDP: 5.7
- Low noise and no vibration
- Diamond scoring saw blade for sizing single panels of abrasive materials

### Fits on to:

- flange or motor arbor



wood based panel



solid wood



veneered panel



plastic edge bands



MDF, melamine and foil laminates



plywood



particle board

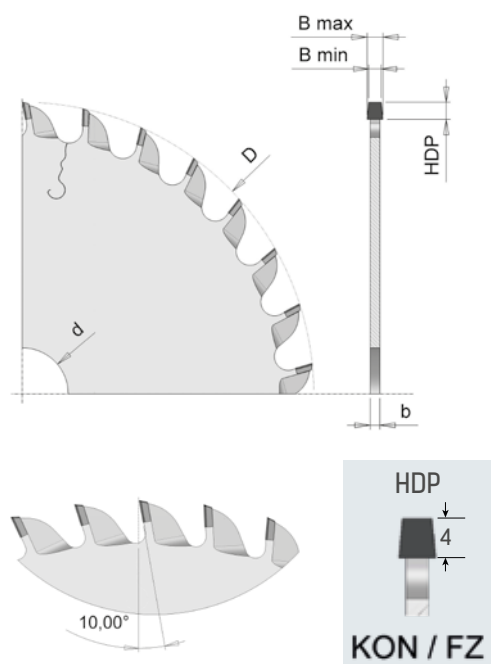


HPL

| D   | d  | B       | b   | Z  | HDP | tooth  | CTF           | CODE   |
|-----|----|---------|-----|----|-----|--------|---------------|--------|
| 80  | 20 | 3,1-3,6 | 2,2 | 12 | 5,7 | KON/FZ | -             | DIS010 |
| 100 | 20 | 3,1-4,1 | 2,2 | 20 | 5,7 | KON/FZ | -             | DIS020 |
| 100 | 22 | 3,1-4,1 | 2,2 | 20 | 5,7 | KON/FZ | -             | DIS030 |
| 120 | 20 | 3,1-4,1 | 2,2 | 24 | 5,7 | KON/FZ | -             | DIS040 |
| 120 | 20 | 3,4-4,2 | 2,5 | 24 | 5,7 | KON/FZ | -             | DIS050 |
| 120 | 22 | 3,1-4,1 | 2,2 | 24 | 5,7 | KON/FZ | -             | DIS060 |
| 125 | 20 | 3,1-4,1 | 2,2 | 24 | 5,7 | KON/FZ | -             | DIS070 |
| 125 | 20 | 3,4-4,2 | 2,2 | 24 | 5,7 | KON/FZ | -             | DIS080 |
| 125 | 20 | 4,3-5,5 | 3,2 | 24 | 5,7 | KON/FZ | -             | DIS090 |
| 125 | 22 | 3,1-4,1 | 2,2 | 24 | 5,7 | KON/FZ | -             | DIS100 |
| 125 | 45 | 4,3-5,5 | 3,2 | 24 | 5,7 | KON/FZ | -             | DIS110 |
| 140 | 16 | 3,1-4,1 | 2,2 | 24 | 5,7 | KON/FZ | 1/16/33       | DIS120 |
| 150 | 45 | 4,3-5,5 | 3,2 | 36 | 5,7 | KON/FZ | 03/11/1970    | DIS130 |
| 160 | 45 | 4,3-5,5 | 3,2 | 36 | 5,7 | KON/FZ | 03/11/1970    | DIS140 |
| 160 | 55 | 4,3-5,3 | 3,2 | 36 | 5,7 | KON/FZ | 3/7/66+3/6/84 | DIS150 |
| 160 | 55 | 4,7-6,0 | 3,5 | 36 | 5,7 | KON/FZ | 3/7/66+3/6/84 | DIS160 |
| 180 | 20 | 4,3-5,5 | 3,2 | 36 | 5,7 | KON/FZ | -             | DIS170 |
| 180 | 30 | 4,4-5,3 | 3,2 | 36 | 5,7 | KON/FZ | -             | DIS180 |
| 180 | 45 | 4,3-5,5 | 3,2 | 36 | 5,7 | KON/FZ | -             | DIS190 |
| 180 | 45 | 4,8-5,6 | 3,5 | 36 | 5,7 | KON/FZ | -             | DIS200 |
| 180 | 55 | 5,0-6,2 | 3,5 | 36 | 5,7 | KON/FZ | -             | DIS210 |
| 180 | 50 | 4,3-5,5 | 3,2 | 48 | 5,7 | KON/FZ | 3/12/80       | DIS220 |
| 200 | 20 | 4,4-5,3 | 3,2 | 36 | 5,7 | KON/FZ | -             | DIS230 |
| 200 | 45 | 4,7-6,0 | 3,5 | 36 | 5,7 | KON/FZ | -             | DIS240 |

| D   | d  | B       | b   | Z  | HDP | tooth  | CTF             | CODE   |
|-----|----|---------|-----|----|-----|--------|-----------------|--------|
| 200 | 45 | 4,3-5,3 | 3,2 | 36 | 5,7 | KON/FZ | -               | DIS250 |
| 200 | 65 | 4,4-5,3 | 3,2 | 36 | 5,7 | KON/FZ | 2/9/100+2/9/110 | DIS260 |
| 215 | 50 | 4,3-5,3 | 3,2 | 42 | 5,7 | KON/FZ | 3/15/80         | DIS270 |
| 300 | 50 | 4,3-5,5 | 3,2 | 48 | 5,7 | KON/FZ | 3/15/80         | DIS280 |
| 300 | 65 | 4,3-5,5 | 3,2 | 72 | 5,7 | KON/FZ | 2/9/100+2/9/110 | DIS290 |

# CONICAL SCORING



## DIS-HDP 4

### Technical features:

- Scoring saw blade
- for single panels or stacks
- Hook angle: 10°
- HDP: 4
- Low noise and no vibration
- Diamond scoring saw blade for sizing single panels of abrasive materials

### Fits on to:

- flange or motor arbor



| D   | d  | B       | b   | Z  | HDP | tooth  | CTF           | CODE   |
|-----|----|---------|-----|----|-----|--------|---------------|--------|
| 80  | 20 | 3,1-3,6 | 2,2 | 12 | 4   | KON/FZ | -             | DIS410 |
| 100 | 20 | 3,1-4,1 | 2,2 | 20 | 4   | KON/FZ | -             | DIS420 |
| 100 | 22 | 3,1-4,1 | 2,2 | 20 | 4   | KON/FZ | -             | DIS430 |
| 120 | 20 | 3,1-4,1 | 2,2 | 24 | 4   | KON/FZ | -             | DIS440 |
| 120 | 20 | 3,4-4,2 | 2,5 | 24 | 4   | KON/FZ | -             | DIS450 |
| 120 | 22 | 3,1-4,1 | 2,2 | 24 | 4   | KON/FZ | -             | DIS460 |
| 125 | 20 | 3,1-4,1 | 2,2 | 24 | 4   | KON/FZ | -             | DIS470 |
| 125 | 20 | 3,4-4,2 | 2,2 | 24 | 4   | KON/FZ | -             | DIS480 |
| 125 | 20 | 4,3-5,5 | 3,2 | 24 | 4   | KON/FZ | -             | DIS490 |
| 125 | 22 | 3,1-4,1 | 2,2 | 24 | 4   | KON/FZ | -             | DIS500 |
| 125 | 45 | 4,3-5,5 | 3,2 | 24 | 4   | KON/FZ | -             | DIS510 |
| 140 | 16 | 3,1-4,1 | 2,2 | 24 | 4   | KON/FZ | 1/16/33       | DIS520 |
| 150 | 45 | 4,3-5,5 | 3,2 | 36 | 4   | KON/FZ | 03/11/1970    | DIS530 |
| 160 | 45 | 4,3-5,5 | 3,2 | 36 | 4   | KON/FZ | 03/11/1970    | DIS540 |
| 160 | 55 | 4,3-5,3 | 3,2 | 36 | 4   | KON/FZ | 3/7/66+3/6/84 | DIS550 |
| 160 | 55 | 4,7-6,0 | 3,5 | 36 | 4   | KON/FZ | 3/7/66+3/6/84 | DIS560 |
| 180 | 20 | 4,3-5,5 | 3,2 | 36 | 4   | KON/FZ | -             | DIS570 |
| 180 | 30 | 4,4-5,3 | 3,2 | 36 | 4   | KON/FZ | -             | DIS580 |
| 180 | 45 | 4,3-5,5 | 3,2 | 36 | 4   | KON/FZ | -             | DIS590 |
| 180 | 45 | 4,8-5,6 | 3,5 | 36 | 4   | KON/FZ | -             | DIS600 |
| 180 | 55 | 5,0-6,2 | 3,5 | 36 | 4   | KON/FZ | -             | DIS610 |
| 180 | 50 | 4,3-5,5 | 3,2 | 48 | 4   | KON/FZ | 3/12/80       | DIS620 |
| 200 | 20 | 4,4-5,3 | 3,2 | 36 | 4   | KON/FZ | -             | DIS630 |
| 200 | 45 | 4,7-6,0 | 3,5 | 36 | 4   | KON/FZ | -             | DIS640 |

| D   | d  | B       | b   | Z  | HDP | tooth  | CTF             | CODE   |
|-----|----|---------|-----|----|-----|--------|-----------------|--------|
| 200 | 45 | 4,3-5,3 | 3,2 | 36 | 5,7 | KON/FZ | -               | DIS650 |
| 200 | 65 | 4,4-5,3 | 3,2 | 36 | 5,7 | KON/FZ | 2/9/100+2/9/110 | DIS660 |
| 215 | 50 | 4,3-5,3 | 3,2 | 42 | 5,7 | KON/FZ | 3/15/80         | DIS670 |
| 300 | 50 | 4,3-5,5 | 3,2 | 48 | 5,7 | KON/FZ | 3/15/80         | DIS680 |
| 300 | 65 | 4,3-5,5 | 3,2 | 72 | 5,7 | KON/FZ | 2/9/100+2/9/110 | DIS690 |

# INDEX

| D   | B       | b   | MACHINE                                       | d                    | pin holes/COMBO | Z  | HDP | tooth  |
|-----|---------|-----|-----------------------------------------------|----------------------|-----------------|----|-----|--------|
| 80  | 3,1-3,6 | 2,2 | Lasari                                        | 20                   | -               | 12 | -   | KON/FZ |
| 85  | 1,8     | 1,3 | -                                             | 15                   | -               | 6  | -   | TR/TR  |
| 100 | 3,1-4,1 | 2,2 | Schelling                                     | 20                   | -               | 20 | -   | KON/FZ |
| 100 | 3,1-4,1 | 2,2 | Altendorf                                     | 22                   | -               | 20 | -   | KON/FZ |
| 120 | 3,1-4,1 | 2,2 | Lasari                                        | 20                   | -               | 24 | -   | KON/FZ |
| 120 | 3,4-4,2 | 2,5 | Lasari                                        | 20                   | -               | 24 | -   | KON/FZ |
| 120 | 3,1-4,1 | 2,2 | Altendorf                                     | 22,23                | -               | 7  | -   | TR/TR  |
| 125 | 2       | 2,2 | Miter saw; portable circular saws; table saws | 20                   | -               | 24 | 5,7 | KON/FZ |
| 125 | 3,1-4,1 | 2,2 | Panhans                                       | 20                   | -               | 24 | 5,7 | KON/FZ |
| 125 | 3,4-4,2 | 2,2 | Panhans                                       | 20                   | -               | 24 | 5,7 | KON/FZ |
| 125 | 4,3-5,5 | 3,2 | Panhans                                       | 20                   | -               | 24 | 5,7 | KON/FZ |
| 125 | 3,1-4,1 | 2,2 | Altendorf                                     | 22                   | -               | 24 | 5,7 | KON/FZ |
| 125 | 4,3-5,5 | 3,2 | Giben, Homag                                  | 45                   | -               | 24 | 5,7 | KON/FZ |
| 140 | 3,1-4,1 | 2,2 | -                                             | 16                   | 1/16/33         | 24 | 5,7 | KON/FZ |
| 150 | 4,3-5,5 | 3,2 | -                                             | 45                   | 3/11/70         | 36 | 5,7 | KON/FZ |
| 160 | 2,2     | 1,6 | Miter saw; portable circular saws; table saws | 20                   | 2/6/32          | 24 | 3   | WR     |
| 160 | 2,4     | 1,8 | Miter saw; portable circular saws; table saws | 20                   | 2/6/32          | 4  | -   | TR/TR  |
| 160 | 2,4     | 1,8 | Miter saw; portable circular saws; table saws | 20                   | 2/6/32          | 10 | -   | TR/TR  |
| 160 | 4,3-5,5 | 3,2 | Giben Prismatic                               | 45                   | 3/11/70         | 36 | 5,7 | KON/FZ |
| 160 | 4,3-5,3 | 3,2 | Gabbiani                                      | 55                   | 3/7/66+3/6/84   | 36 | 5,7 | KON/FZ |
| 160 | 4,7-6,0 | 3,5 | Gabbiani                                      | 55                   | 3/7/66+3/6/84   | 36 | 5,7 | KON/FZ |
| 165 | 1,8     | 1,3 | portable circular saws; miter saws            | 15,875+20,63 (13/16) | -               | 4  | -   | TR/TR  |
| 165 | 1,8     | 1,3 | portable circular saws; miter saws            | 15,875+20,63 (13/16) | -               | 10 | -   | TR/TR  |
| 180 | 2,4     | 1,8 | -                                             | 20                   | 2-6/32          | 4  | -   | TR/TRZ |
| 180 | 4,3-5,5 | 3,2 | Schelling, Anthon                             | 20                   | -               | 36 | 5,7 | KON/FZ |
| 180 | 4,4-5,3 | 3,2 | Panhans                                       | 30                   | -               | 36 | 5,7 | KON/FZ |
| 180 | 4,3-5,5 | 3,2 | Holzma                                        | 45                   | -               | 36 | 5,7 | KON/FZ |
| 180 | 4,8-5,6 | 3,5 | Holzma                                        | 45                   | -               | 36 | 5,7 | KON/FZ |

| D   | B       | b   | MACHINE                                                                                                      | d                    | pin holes/COMBO           | Z  | HDP | tooth    |
|-----|---------|-----|--------------------------------------------------------------------------------------------------------------|----------------------|---------------------------|----|-----|----------|
| 180 | 5,0-6,2 | 3,5 | -                                                                                                            | 55                   | -                         | 36 | 5,7 | KON/FZ   |
| 180 | 4,3-5,5 | 3,2 | Giben Smart                                                                                                  | 50                   | 3/12,5/80                 | 48 | 5,7 | KON/FZ   |
| 182 | 1,8     | 1,3 | Miter saw; portable circular saws; table saws                                                                | 15,875+20,63 (13/16) | -                         | 4  | 3   | TR/TR    |
| 190 | 2,4     | 1,8 | Miter saw; portable circular saws; table saws                                                                | 30                   | 2/7/42                    | 4  | 3   | TR/TR    |
| 190 | 2,4     | 1,8 | Miter saw; portable circular saws; table saws                                                                | 30                   | 2/7/42                    | 12 | 3   | TR/TR    |
| 190 | 2,5     | 2   | Miter saw; portable circular saws; table saws                                                                | 30                   | 2/7/42                    | 28 | 3   | WR       |
| 200 | 4,4-5,3 | 3,2 | Schelling                                                                                                    | 20                   | -                         | 36 | 5,7 | KON/FZ   |
| 200 | 4,7-6,0 | 3,5 | Holzma                                                                                                       | 45                   | -                         | 36 | 5,7 | KON/FZ   |
| 200 | 4,3-5,3 | 3,2 | Holzma                                                                                                       | 45                   | -                         | 36 | 5,7 | KON/FZ   |
| 200 | 4,4-5,3 | 3,2 | Selco                                                                                                        | 65                   | 2/9/100 + 2/9/110         | 36 | 5,7 | KON/FZ   |
| 210 | 2,4     | 1,8 | Miter saw; portable circular saws; table saws                                                                | 30                   | 2/7/42                    | 12 | -   | TR/TR    |
| 215 | 4,3-5,3 | 3,2 | Giben                                                                                                        | 50                   | 3/15/80                   | 42 | 5,7 | KON/FZ   |
| 216 | 2,5     | 2   | Miter saw; portable circular saws; table saws                                                                | 30                   | 2/7/42                    | 36 | 3   | WR       |
| 230 | 2,4     | 1,8 | Miter saw; portable circular saws; table saws                                                                | 30                   | 2/7/42                    | 4  | -   | TR/TR    |
| 250 | 2,4     | 1,8 | Miter saw; portable circular saws; table saws                                                                | 30                   | C1                        | 16 | -   | TR/TR    |
| 250 | 2,5     | 2   | Holzher; Panhans; Scheer; Selco; Holzer; Schelling; SCM; Mayer-Tronatrice; macchine portatili; seghe a banco | 30                   | 2/7/42 + 2/9/46 + 2/10/60 | 42 | 3   | WR       |
| 250 | 3,2     | 2,2 | Holzher; Panhans; Scheer; Selco; Holzer; Schelling; SCM; Mayer                                               | 30                   | C1                        | 60 | 4   | TR/TR    |
| 250 | 3,2     | 2,2 | Holzher; Panhans; Scheer; Selco; Holzer; Schelling; SCM; Mayer                                               | 30                   | C1                        | 60 | 4   | WR       |
| 250 | 3,2     | 2,2 | Holzher; Panhans; Scheer; Selco; Holzer; Schelling; SCM; Mayer                                               | 30                   | C1                        | 60 | 4   | TR/TR/AB |
| 254 | 2,2     | 1,6 | Miter saw; portable circular saws; table saws                                                                | 15,875               | -                         | 6  | -   | TR/TR    |
| 280 | 3,2     | 2,2 | Holzher; Panhans; Scheer; Selco; Holzer; Schelling; SCM; Mayer                                               | 30                   | C1                        | 60 | 5,7 | TR/TR    |

| D   | B   | b   | MACHINE                                                                                                                      | d  | pin holes/COMBO              | Z  | HDP | tooth    |
|-----|-----|-----|------------------------------------------------------------------------------------------------------------------------------|----|------------------------------|----|-----|----------|
| 280 | 3,2 | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer                                                         | 30 | C1                           | 60 | 5,7 | TR/TR/AB |
| 280 | 3,2 | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer                                                         | 30 | C1                           | 60 | 5,7 | WR       |
| 300 | 2,4 | 1,8 | Miter saw; portable circular<br>saws; table saws                                                                             | 30 | C1                           | 20 | -   | TR/TR    |
| 300 | 2,5 | 2   | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer - Troncatrice;-<br>macchine portatili;<br>seghe a banco | 30 | 2/7/42 + 2/9/46 +<br>2/10/60 | 48 | 3   | WR       |
| 300 | 3,2 | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer                                                         | 30 | C1                           | 60 | 4   | TR/TR    |
| 300 | 3,2 | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer                                                         | 30 | C1                           | 72 | 4   | TR/TR    |
| 300 | 3,2 | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer                                                         | 30 | C1                           | 96 | 4   | TR/TR    |
| 300 | 3,2 | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer                                                         | 30 | C1                           | 60 | 4   | TR/TR/AB |
| 300 | 3,2 | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer                                                         | 30 | C1                           | 72 | 4   | TR/TR/AB |
| 300 | 3,2 | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer                                                         | 30 | C1                           | 96 | 4   | TR/TR/AB |
| 300 | 3,2 | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer                                                         | 30 | C1                           | 60 | 4   | WR       |
| 300 | 3,2 | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer                                                         | 30 | C1                           | 72 | 4   | WR       |
| 300 | 3,2 | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer                                                         | 30 | C1                           | 96 | 4   | WR       |
| 300 | 3,2 | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer                                                         | 30 | C1                           | 60 | 5,7 | TR/TR    |
| 300 | 3,2 | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer                                                         | 30 | C1                           | 96 | 5,7 | TR/TR    |

| D   | B   | b   | MACHINE                                                              | d  | pin holes/COMBO    | Z  | HDP | tooth    |
|-----|-----|-----|----------------------------------------------------------------------|----|--------------------|----|-----|----------|
| 300 | 4,4 | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                 | 60 | 5,7 | TR/TR    |
| 300 | 4,4 | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                 | 72 | 5,7 | TR/TR    |
| 300 | 3,2 | 2,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 2/7/110 | 60 | 5,7 | TR/TR    |
| 300 | 4,4 | 3   | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 2/7/110 | 60 | 5,7 | TR/TR    |
| 300 | 4,4 | 3,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 2/7/110 | 60 | 5,7 | TR/TR    |
| 300 | 3,2 | 2,2 | Gabbiani; SCM; Selco; SMA;<br>Irion                                  | 80 | C2                 | 72 | 5,7 | TR/TR    |
| 300 | 4,4 | 3,2 | Gabbiani; SCM; Selco; SMA;<br>Irion                                  | 80 | C2                 | 60 | 5,7 | TR/TR    |
| 300 | 4,4 | 3,2 | Gabbiani; SCM; Selco; SMA;<br>Irion                                  | 80 | C2                 | 72 | 5,7 | TR/TR    |
| 300 | 3,2 | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                 | 60 | 5,7 | TR/TR/AB |
| 300 | 3,2 | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                 | 96 | 5,7 | TR/TR/AB |
| 300 | 4,4 | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                 | 60 | 5,7 | TR/TR/AB |
| 300 | 4,4 | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                 | 72 | 5,7 | TR/TR/AB |
| 300 | 3,2 | 2,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 2/7/110 | 60 | 5,7 | TR/TR/AB |
| 300 | 4,4 | 3   | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 2/7/110 | 60 | 5,7 | TR/TR/AB |
| 300 | 4,4 | 3,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 2/7/110 | 60 | 5,7 | TR/TR/AB |
| 300 | 3,2 | 2,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                 | 60 | 5,7 | TR/TR/AB |
| 300 | 3,2 | 2,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                 | 72 | 5,7 | TR/TR/AB |
| 300 | 4,4 | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                 | 60 | 5,7 | TR/TR/AB |
| 300 | 4,4 | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                 | 72 | 5,7 | TR/TR/AB |
| 300 | 3,2 | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                 | 60 | 5,7 | WR       |

| D   | B       | b   | MACHINE                                                              | d    | pin holes/COMBO    | Z  | HDP | tooth   |
|-----|---------|-----|----------------------------------------------------------------------|------|--------------------|----|-----|---------|
| 300 | 3,2     | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30   | C1                 | 96 | 5,7 | WR      |
| 300 | 4,4     | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30   | C1                 | 72 | 5,7 | WR      |
| 300 | 4,4     | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30   | C1                 | 72 | 5,7 | WR      |
| 300 | 3,2     | 2,2 | Giben; Holzma; Homag                                                 | 75   | 4/15/105 + 2/7/110 | 60 | 5,7 | WR      |
| 300 | 4,4     | 3   | Giben; Holzma; Homag                                                 | 75   | 4/15/105 + 2/7/110 | 60 | 5,7 | WR      |
| 300 | 4,4     | 3,2 | Giben; Holzma; Homag                                                 | 75   | 4/15/105 + 2/7/110 | 60 | 5,7 | WR      |
| 300 | 3,2     | 2,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80   | C2                 | 60 | 5,7 | WR      |
| 300 | 3,2     | 2,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80   | C2                 | 72 | 5,7 | WR      |
| 300 | 4,4     | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80   | C2                 | 60 | 5,7 | WR      |
| 300 | 4,4     | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80   | C2                 | 72 | 5,7 | WR      |
| 300 | 4,3-5,5 | 3,2 | Giben                                                                | 50   | 3/15/80            | 48 | 5,7 | KONZ/FZ |
| 300 | 4,3-5,5 | 3,2 | Selco                                                                | 65   | 2/9/100 + 2/9/110  | 72 | 5,7 | KONZ/FZ |
| 305 | 2,2     | 1,8 | Miter saw; portable circular<br>saws; table saws                     | 25,4 | -                  | 8  | -   | TR/TR   |
| 320 | 4,4     | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30   | C1                 | 60 | 5,7 | TR/TR   |
| 320 | 4,4     | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30   | C1                 | 60 | 5,7 | TR/TR   |
| 320 | 4,4     | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30   | C1                 | 60 | 5,7 | WR      |
| 350 | 3,5     | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30   | C1                 | 72 | 4   | TR/TR   |

| D   | B    | b   | MACHINE                                                              | d  | pin holes/COMBO | Z  | HDP | tooth    |
|-----|------|-----|----------------------------------------------------------------------|----|-----------------|----|-----|----------|
| 350 | 3,5  | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1              | 72 | 4   | TR/TR    |
| 350 | 3,5  | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1              | 96 | 4   | TR/TR    |
| 350 | 3,5  | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1              | 72 | 4   | TR/TR/AB |
| 350 | 3,5  | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1              | 96 | 4   | TR/TR/AB |
| 350 | 3,5  | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1              | 72 | 4   | WR       |
| 350 | 3,5  | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1              | 96 | 4   | WR       |
| 350 | 3,2  | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1              | 72 | 5,7 | TR/TR    |
| 350 | 4,25 | 3   | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1              | 60 | 5,7 | TR/TR    |
| 350 | 4,25 | 3   | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1              | 72 | 5,7 | TR/TR    |
| 350 | 4,4  | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1              | 60 | 5,7 | TR/TR    |
| 350 | 4,4  | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1              | 72 | 5,7 | TR/TR    |
| 350 | 3,2  | 2,2 | Giben                                                                | 50 | 3/12,5/80       | 60 | 5,7 | TR/TR    |
| 350 | 3,2  | 2,2 | Giben                                                                | 50 | 3/12,5/80       | 72 | 5,7 | TR/TR    |
| 350 | 4,4  | 3,2 | Giben                                                                | 50 | 3/12,5/80       | 60 | 5,7 | TR/TR    |
| 350 | 4,4  | 3,2 | Giben                                                                | 50 | 3/12,5/80       | 72 | 5,7 | TR/TR    |
| 350 | 3,2  | 2,2 | Holzma; Anthon                                                       | 60 | C3              | 60 | 5,7 | TR/TR    |
| 350 | 3,2  | 2,2 | Holzma; Anthon                                                       | 60 | C3              | 72 | 5,7 | TR/TR    |
| 350 | 4,4  | 3,2 | Holzma; Anthon                                                       | 60 | C3              | 60 | 5,7 | TR/TR    |

| D   | B    | b   | MACHINE                                                              | d  | pin holes/COMBO    | Z  | HDP | tooth    |
|-----|------|-----|----------------------------------------------------------------------|----|--------------------|----|-----|----------|
| 350 | 4,4  | 3,2 | Holzma; Anthon                                                       | 60 | C3                 | 72 | 5,7 | TR/TR    |
| 350 | 3,2  | 2,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 3/7/110 | 60 | 5,7 | TR/TR    |
| 350 | 3,2  | 2,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 3/7/110 | 72 | 5,7 | TR/TR    |
| 350 | 4,4  | 3,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 3/7/110 | 60 | 5,7 | TR/TR    |
| 350 | 4,4  | 3,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 3/7/110 | 72 | 5,7 | TR/TR    |
| 350 | 3,2  | 2,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                 | 60 | 5,7 | TR/TR    |
| 350 | 3,2  | 2,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                 | 72 | 5,7 | TR/TR    |
| 350 | 4,4  | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                 | 60 | 5,7 | TR/TR    |
| 350 | 4,4  | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                 | 72 | 5,7 | TR/TR    |
| 350 | 3,2  | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                 | 72 | 5,7 | TR/TR/AB |
| 350 | 4,25 | 3   | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                 | 60 | 5,7 | TR/TR/AB |
| 350 | 4,25 | 3   | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                 | 72 | 5,7 | TR/TR/AB |
| 350 | 4,4  | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                 | 60 | 5,7 | TR/TR/AB |
| 350 | 4,4  | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                 | 72 | 5,7 | TR/TR/AB |
| 350 | 3,2  | 2,2 | Giben                                                                | 50 | 3/12,5/80          | 60 | 5,7 | TR/TR/AB |
| 350 | 3,2  | 2,2 | Giben                                                                | 50 | 3/12,5/80          | 72 | 5,7 | TR/TR/AB |
| 350 | 4,4  | 3,2 | Giben                                                                | 50 | 3/12,5/80          | 60 | 5,7 | TR/TR/AB |
| 350 | 4,4  | 3,2 | Giben                                                                | 50 | 3/12,5/80          | 72 | 5,7 | TR/TR/AB |
| 350 | 3,2  | 2,2 | Holzma; Anthon                                                       | 60 | C3                 | 60 | 5,7 | TR/TR/AB |
| 350 | 3,2  | 2,2 | Holzma; Anthon                                                       | 60 | C3                 | 72 | 5,7 | TR/TR/AB |
| 350 | 4,4  | 3,2 | Holzma; Anthon                                                       | 60 | C3                 | 60 | 5,7 | TR/TR/AB |
| 350 | 4,4  | 3,2 | Holzma; Anthon                                                       | 60 | C3                 | 72 | 5,7 | TR/TR/AB |
| 350 | 3,2  | 2,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 3/7/110 | 60 | 5,7 | TR/TR/AB |

| D   | B    | b   | MACHINE                                                              | d  | pin holes/COMBO    | Z  | HDP | tooth    |
|-----|------|-----|----------------------------------------------------------------------|----|--------------------|----|-----|----------|
| 350 | 3,2  | 2,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 3/7/110 | 72 | 5,7 | TR/TR/AB |
| 350 | 4,4  | 3,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 3/7/110 | 60 | 5,7 | TR/TR/AB |
| 350 | 4,4  | 3,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 3/7/110 | 72 | 5,7 | TR/TR/AB |
| 350 | 3,2  | 2,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                 | 60 | 5,7 | TR/TR/AB |
| 350 | 3,2  | 2,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                 | 72 | 5,7 | TR/TR/AB |
| 350 | 4,4  | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                 | 60 | 5,7 | TR/TR/AB |
| 350 | 4,4  | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                 | 72 | 5,7 | TR/TR/AB |
| 350 | 3,2  | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                 | 72 | 5,7 | WR       |
| 350 | 4,25 | 3   | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                 | 60 | 5,7 | WR       |
| 350 | 4,25 | 3   | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                 | 72 | 5,7 | WR       |
| 350 | 4,4  | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                 | 60 | 5,7 | WR       |
| 350 | 4,4  | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                 | 72 | 5,7 | WR       |
| 350 | 3,2  | 2,2 | Giben                                                                | 50 | 3/12,5/80          | 60 | 5,7 | WR       |
| 350 | 3,2  | 2,2 | Giben                                                                | 50 | 3/12,5/80          | 72 | 5,7 | WR       |
| 350 | 4,4  | 3,2 | Giben                                                                | 50 | 3/12,5/80          | 60 | 5,7 | WR       |
| 350 | 4,4  | 3,2 | Giben                                                                | 50 | 3/12,5/80          | 72 | 5,7 | WR       |
| 350 | 3,2  | 2,2 | Holzma; Anthon                                                       | 60 | C3                 | 60 | 5,7 | WR       |
| 350 | 3,2  | 2,2 | Holzma; Anthon                                                       | 60 | C3                 | 72 | 5,7 | WR       |
| 350 | 4,4  | 3,2 | Holzma; Anthon                                                       | 60 | C3                 | 60 | 5,7 | WR       |
| 350 | 4,4  | 3,2 | Holzma; Anthon                                                       | 60 | C3                 | 72 | 5,7 | WR       |
| 350 | 3,2  | 2,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 3/7/110 | 60 | 5,7 | WR       |
| 350 | 3,2  | 2,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 3/7/110 | 72 | 5,7 | WR       |
| 350 | 4,4  | 3,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 3/7/110 | 60 | 5,7 | WR       |
| 350 | 4,4  | 3,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 3/7/110 | 72 | 5,7 | WR       |

| D   | B   | b   | MACHINE                             | d  | pin holes/COMBO                 | Z  | HDP | tooth    |
|-----|-----|-----|-------------------------------------|----|---------------------------------|----|-----|----------|
| 350 | 3,2 | 2,2 | Gabbiani; SCM; Selco;<br>SMA; Irion | 80 | C2                              | 60 | 5,7 | WR       |
| 350 | 3,2 | 2,2 | Gabbiani; SCM; Selco;<br>SMA; Irion | 80 | C2                              | 72 | 5,7 | WR       |
| 350 | 4,4 | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion | 80 | C2                              | 60 | 5,7 | WR       |
| 350 | 4,4 | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion | 80 | C2                              | 72 | 5,7 | WR       |
| 355 | 3,2 | 2,2 | Selco                               | 65 | 2/9/100 + 2/9/110               | 72 | 5,7 | TR/TR    |
| 355 | 4,4 | 3,2 | Selco                               | 65 | 2/9/100 + 2/9/110               | 72 | 5,7 | TR/TR    |
| 355 | 3,2 | 2,2 | Giben; Holzma; Homag                | 75 | 4/15/105 + 3/7/110              | 72 | 5,7 | TR/TR    |
| 355 | 4,4 | 3,2 | Giben; Holzma; Homag                | 75 | 4/15/105 + 3/7/110              | 72 | 5,7 | TR/TR    |
| 355 | 3,2 | 2,2 | Gabbiani; SCM; Selco;<br>SMA; Irion | 80 | 4/9/100 + 2/9/110 +<br>2/14/110 | 72 | 5,7 | TR/TR    |
| 355 | 3,2 | 2,2 | Gabbiani; SCM; Selco;<br>SMA; Irion | 80 | C2                              | 72 | 5,7 | TR/TR    |
| 355 | 4,4 | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion | 80 | C2                              | 60 | 5,7 | TR/TR    |
| 355 | 4,4 | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion | 80 | C2                              | 72 | 5,7 | TR/TR    |
| 355 | 3,2 | 2,2 | Selco                               | 65 | 2/9/100 + 2/9/110               | 72 | 5,7 | TR/TR/AB |
| 355 | 4,4 | 3,2 | Selco                               | 65 | 2/9/100 + 2/9/110               | 72 | 5,7 | TR/TR/AB |
| 355 | 3,2 | 2,2 | Giben; Holzma; Homag                | 75 | 4/15/105 + 3/7/110              | 72 | 5,7 | TR/TR/AB |
| 355 | 4,4 | 3,2 | Giben; Holzma; Homag                | 75 | 4/15/105 + 3/7/110              | 72 | 5,7 | TR/TR/AB |
| 355 | 3,2 | 2,2 | Gabbiani; SCM; Selco;<br>SMA; Irion | 80 | 4/9/100 + 2/9/110 +<br>2/14/110 | 72 | 5,7 | TR/TR/AB |
| 355 | 3,2 | 2,2 | Gabbiani; SCM; Selco;<br>SMA; Irion | 80 | C2                              | 72 | 5,7 | TR/TR/AB |
| 355 | 4,4 | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion | 80 | C2                              | 60 | 5,7 | TR/TR/AB |
| 355 | 4,4 | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion | 80 | C2                              | 72 | 5,7 | TR/TR/AB |
| 355 | 3,2 | 2,2 | Selco                               | 65 | 2/9/100 + 2/9/110               | 72 | 5,7 | WR       |
| 355 | 4,4 | 3,2 | Selco                               | 65 | 2/9/100 + 2/9/110               | 72 | 5,7 | WR       |
| 355 | 3,2 | 2,2 | Giben; Holzma; Homag                | 75 | 4/15/105 + 3/7/110              | 72 | 5,7 | WR       |
| 355 | 4,4 | 3,2 | Giben; Holzma; Homag                | 75 | 4/15/105 + 3/7/110              | 72 | 5,7 | WR       |
| 355 | 3,2 | 2,2 | Gabbiani; SCM; Selco;<br>SMA; Irion | 80 | 4/9/100 + 2/9/110 +<br>2/14/110 | 72 | 5,7 | WR       |
| 355 | 3,2 | 2,2 | Gabbiani; SCM; Selco;<br>SMA; Irion | 80 | C2                              | 72 | 5,7 | WR       |

| D   | B   | b   | MACHINE                                                              | d  | pin holes/COMBO   | Z  | HDP | tooth    |
|-----|-----|-----|----------------------------------------------------------------------|----|-------------------|----|-----|----------|
| 355 | 4,4 | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                | 60 | 5,7 | WR       |
| 355 | 4,4 | 2,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                | 72 | 5,7 | WR       |
| 360 | 4,4 | 3,2 | Selco                                                                | 65 | 2/9/100 + 2/9/110 | 72 | 5,7 | TR/TR    |
| 360 | 4,4 | 3,2 | Selco                                                                | 65 | 2/9/100 + 2/9/110 | 72 | 5,7 | TR/TR/AB |
| 360 | 4,4 | 3,2 | Selco                                                                | 65 | 2/9/100 + 2/9/110 | 72 | 5,7 | WR       |
| 370 | 3,2 | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                | 72 | 5,7 | TR/TR    |
| 370 | 4,4 | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                | 72 | 5,7 | TR/TR/AB |
| 370 | 3,2 | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                | 72 | 5,7 | TR/TR/AB |
| 370 | 4,4 | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                | 72 | 5,7 | TR/TR/AB |
| 370 | 3,2 | 2,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                | 72 | 5,7 | WR       |
| 380 | 4,4 | 3,2 | Holzma; Anthon                                                       | 60 | C3                | 72 | 5,7 | TR/TR    |
| 380 | 4,8 | 3,5 | Holzma; Anthon                                                       | 60 | C3                | 72 | 5,7 | TR/TR    |
| 380 | 4,4 | 2,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                | 72 | 5,7 | TR/TR    |
| 380 | 4,4 | 3,2 | Holzma; Anthon                                                       | 60 | C3                | 72 | 5,7 | TR/TR/AB |
| 380 | 4,8 | 3,5 | Holzma; Anthon                                                       | 60 | C3                | 72 | 5,7 | TR/TR/AB |
| 380 | 4,4 | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                | 72 | 5,7 | TR/TR/AB |
| 380 | 4,4 | 3,2 | Holzma; Anthon                                                       | 60 | C3                | 72 | 5,7 | WR       |
| 380 | 4,8 | 3,5 | Holzma; Anthon                                                       | 60 | C3                | 72 | 5,7 | WR       |
| 380 | 4,4 | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                | 72 | 5,7 | WR       |
| 400 | 4,4 | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                | 60 | 5,7 | TR/TR    |
| 400 | 4,4 | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                | 72 | 5,7 | TR/TR    |

| D   | B   | b   | MACHINE                                                              | d  | pin holes/COMBO                 | Z  | HDP | tooth    |
|-----|-----|-----|----------------------------------------------------------------------|----|---------------------------------|----|-----|----------|
| 400 | 4,4 | 3,2 | Holzma; Anthon                                                       | 60 | C3                              | 72 | 5,7 | TR/TR    |
| 400 | 4,4 | 3,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 3/7/110              | 60 | 5,7 | TR/TR    |
| 400 | 4,4 | 3,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 3/7/110              | 72 | 5,7 | TR/TR    |
| 400 | 4,4 | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                              | 60 | 5,7 | TR/TR    |
| 400 | 4,4 | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                              | 72 | 5,7 | TR/TR    |
| 400 | 4,4 | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                              | 60 | 5,7 | TR/TR/AB |
| 400 | 4,4 | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                              | 72 | 5,7 | TR/TR/AB |
| 400 | 4,4 | 3,2 | Holzma; Anthon                                                       | 60 | C3                              | 72 | 5,7 | TR/TR/AB |
| 400 | 4,4 | 3,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 3/7/110              | 60 | 5,7 | TR/TR/AB |
| 400 | 4,4 | 3,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 3/7/110              | 72 | 5,7 | TR/TR/AB |
| 400 | 4,4 | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                              | 60 | 5,7 | TR/TR/AB |
| 400 | 4,4 | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                              | 72 | 5,7 | TR/TR/AB |
| 400 | 4,4 | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                              | 60 | 5,7 | WR       |
| 400 | 4,4 | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                              | 72 | 5,7 | WR       |
| 400 | 4,4 | 3,2 | Holzma; Anthon                                                       | 60 | C3                              | 72 | 5,7 | WR       |
| 400 | 4,4 | 3,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 3/7/110              | 60 | 5,7 | WR       |
| 400 | 4,4 | 3,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 3/7/110              | 72 | 5,7 | WR       |
| 400 | 4,4 | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                              | 60 | 5,7 | WR       |
| 400 | 4,4 | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                              | 72 | 5,7 | WR       |
| 420 | 4,4 | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                              | 72 | 5,7 | TR/TR    |
| 420 | 4,4 | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | 4/9/100 + 2/9/110 +<br>2/14/110 | 72 | 5,7 | TR/TR    |
| 430 | 4,4 | 3,2 | Selco                                                                | 65 | 2/9/100 + 2/9/110               | 72 | 5,7 | TR/TR    |
| 430 | 4,4 | 3,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 2/7/110              | 72 | 5,7 | TR/TR    |

| D   | B   | b   | MACHINE                                                              | d  | pin holes/COMBO    | Z  | HDP | tooth |
|-----|-----|-----|----------------------------------------------------------------------|----|--------------------|----|-----|-------|
| 430 | 4,4 | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                 | 72 | 5,7 | TR/TR |
| 450 | 4,4 | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                 | 60 | 5,7 | WR    |
| 450 | 4,8 | 3,5 | Holzma; Anthon                                                       | 60 | C3                 | 72 | 5,7 | TR/TR |
| 450 | 4,8 | 3,5 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                 | 60 | 5,7 | TR/TR |
| 450 | 4,8 | 3,5 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                 | 72 | 5,7 | TR/TR |
| 460 | 4,8 | 3,5 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                 | 72 | 5,7 | TR/TR |
| 460 | 4,4 | 3,2 | Giben; Holzma; Homag                                                 | 75 | 4/15/105           | 72 | 5,7 | TR/TR |
| 460 | 4,8 | 3,5 | Giben; Holzma; Homag                                                 | 75 | 4/15/105 + 2/7/120 | 72 | 5,7 | TR/TR |
| 480 | 4,8 | 3,5 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                 | 72 | 5,7 | TR/TR |
| 480 | 4,4 | 3,2 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                 | 72 | 5,7 | TR/TR |
| 500 | 4,4 | 3,2 | Holzma; Anthon                                                       | 60 | C3                 | 72 | 5,7 | TR/TR |
| 500 | 4,8 | 3,5 | Holzma; Anthon                                                       | 60 | C3                 | 72 | 5,7 | TR/TR |
| 500 | 4,4 | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                 | 60 | 5,7 | TR/TR |
| 500 | 4,8 | 3,5 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                 | 72 | 5,7 | TR/TR |
| 520 | 4,8 | 3,5 | Holzher; Panhans; Scheer;<br>Selco; Holzer; Schelling;<br>SCM; Mayer | 30 | C1                 | 72 | 5,7 | TR/TR |
| 530 | 4,4 | 3,2 | Holzma; Anthon                                                       | 60 | C3                 | 72 | 5,7 | TR/TR |
| 550 | 4,4 | 3,2 | Holzma; Anthon                                                       | 60 | C3                 | 72 | 5,7 | TR/TR |
| 550 | 4,8 | 3,5 | Holzma; Anthon                                                       | 60 | C3                 | 96 | 5,7 | TR/TR |
| 550 | 4,8 | 3,5 | Holzma; Anthon                                                       | 60 | C3                 | 72 | 5,7 | TR/TR |
| 550 | 4,8 | 3,5 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                 | 60 | 5,7 | TR/TR |
| 550 | 4,4 | 3,2 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                 | 72 | 5,7 | TR/TR |
| 550 | 4,8 | 3,5 | Gabbiani; SCM; Selco;<br>SMA; Irion                                  | 80 | C2                 | 60 | 5,7 | TR/TR |

| D   | B   | b   | MACHINE                             | d   | pin holes/COMBO | Z  | HDP | tooth |
|-----|-----|-----|-------------------------------------|-----|-----------------|----|-----|-------|
| 550 | 4,8 | 3,5 | Gabbiani; SCM; Selco;<br>SMA; Irion | 80  | C2              | 96 | 5,7 | TR/TR |
| 550 | 4,4 | 3,2 | Giben                               | 100 | -               | 72 | 5,7 | TR/TR |
| 565 | 5,2 | 3,8 | Giben                               | 100 | -               | 60 | 5,7 | TR/TR |
| 565 | 5,2 | 3,8 | Giben                               | 100 | -               | 72 | 5,7 | TR/TR |



# SYMBOLS

|  |                                   |  |                                  |  |                                      |  |                          |
|--|-----------------------------------|--|----------------------------------|--|--------------------------------------|--|--------------------------|
|  | + negative                        |  | hogging along the wood grain     |  | plunging                             |  | profiling                |
|  | + positive                        |  | hogging across the wood grain    |  | through boring                       |  | mitre jointing           |
|  | sawing along the wood grain       |  | folding hoggers                  |  | countersinking                       |  | counterprofile           |
|  | sawing, thin kerf                 |  | planing profiling                |  | step drilling                        |  | panel raising            |
|  | horizontal sawing                 |  | horizontal and vertical grooving |  | slot mortising                       |  | mechanical feed          |
|  | single sawing                     |  | lamello grooving                 |  | eccentric boring                     |  | manual feed              |
|  | sawing from the top solid wood    |  | jointing                         |  | boring and cutting                   |  | tipped tool, regrindable |
|  | sawing, crossgrain trimming       |  | copy shaping                     |  | carving                              |  | travel plunging          |
|  | sawing, universal                 |  | rabbeting                        |  | plug cutting                         |  | nesting                  |
|  | scoring                           |  | beveling                         |  | internal cutting                     |  | alternate                |
|  | sawing packs                      |  | beveling, rounding, fluting      |  | exterior cutting, roughing-finishing |  | diamond                  |
|  | sawing from above hollow material |  | profiling                        |  | copy-shaping                         |  | HSK 20E                  |
|  | sawing hollow material            |  | profiling mitre joint            |  | horizontal-vertical grooving         |  | HSK 20C                  |
|  | scoring, hogging                  |  | profiling and counter-profiling  |  | copy-shaping grooving                |  |                          |
|  | trimming                          |  | tongue and groove profiling      |  | jointing                             |  |                          |
|  | scoring above and below           |  | panel raising                    |  | rabbeting                            |  |                          |
|  | hogging                           |  | jointing, beveling, rofiling     |  | beveling                             |  |                          |

# ABBREVIATIONS

|          |                              |          |                                         |          |                                 |        |                                     |
|----------|------------------------------|----------|-----------------------------------------|----------|---------------------------------|--------|-------------------------------------|
| fz       | Feed rate per tooth          | FZ/FA    | Flat tooth with chamfers                | D        | Maximum tool diameter           | MK     | Taper shank                         |
| m/min    | Feed rate, meters per minute | ES/DX    | Right hand beveled tooth                | Dref     | Reference diameter              | M      | Metric threading                    |
| m/s      | Feed rate, meters per second | ES/SX    | Left hand beveled tooth                 | B        | Kerf                            | Wh     | Whitworth threading                 |
| g/min    | Revolution per minute        | ES/DX/FA | Right hand beveled tooth with chamfer   | Z        | Number of cutting teeth         | RH     | Right hand rotation                 |
| n        | rpm                          | ES/SX/FA | Left hand beveled tooth with chamfer    | V        | Number of spurs                 | LH     | Left hand rotation                  |
| n. max   | Maximum rpm                  | FZ/DX/FA | Flat tooth with right hand chamfer      | d        | Shank and bore diameter         | L1     | Total length                        |
| Vc       | Cutting speed                | FZ/SX/FA | Flat tooth with left hand chamfer       | b        | Tool body thickness             | L2     | Cutting length                      |
| Vf       | Feed speed                   | DZ       | Pointed tooth                           | HD       | Panel thickness                 | L3     | Shank length                        |
| matr.    | Specific tool code           | KON      | Conical tooth                           | NT       | Groove depth                    | LD     | Left hand spiral                    |
| cod.dis. | Drawing code                 | DR/DX    | Right hand radius tooth                 | NB       | Groove width                    | RD     | Right hand spiral                   |
| R        | Tool radius                  | DR/SX    | Left hand radius tooth                  | PB       | Wood profile width              | HDP    | PCD tip height                      |
| DIK      | Spacer shim                  | FZ/DR    | Flat tooth with radius                  | PT       | Wood profile depth              | DP     | PCD                                 |
| Rid      | Reduction sleeve             | WZ       | Alternating tooth                       | PR.Nr    | Wood profile number             | art    | Article (for non standard products) |
| Toll     | Tolerance for CRUING tools   | WZ/FA    | Alternating tooth with chamfers         | DKN      | Double keyway                   | art.n  | No article (for standard products)  |
| Hydro    | Hydraulic blocking element   | FZ/TR    | Flat-trapezoidal tooth without chamfers | EB       | Keyway width                    | mm     | mm                                  |
| TI       | Hogger - score               | FR/TR/FA | Flat-trapezoidal tooth with chamfers    | ET       | Keyway depth                    | inches | Inches                              |
| TT       | Hogger hogger                | FZ/DZ    | Pointed-flat tooth without chamfers     | NLd      | Diameter of pin hole            | UNI    | Industrial Italian standard         |
| MAN      | Manual feed                  | FZ/DZ/FA | Pointed-flat tooth with chamfers        | NLn      | Number of pin holes             | DIN    | Industrial German standard          |
| MEC      | Mechanical feed              | KON/WZ   | Alternating conical tooth               | TK       | Interasse diameter of pin holes | Fr.Nr. | Number of pieces (quantity)         |
| ZF       | Tooth geometry               | WR       | High performance tooth                  | TD       | Hub diameter                    |        |                                     |
| Sr       | Radius chamfer               | TR/TR    | Trapezoidal-trapezoidal tooth           | FLD      | Diameter of motor flange        |        |                                     |
| FA       | Angled chamfer               | WR/FA    | High performance tooth with chamfers    | Macchina | Machine                         |        |                                     |
| FZ       | Flat tooth with no chamfers  | Ref      | Reference measurement                   | CNC      | CNC                             |        |                                     |

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