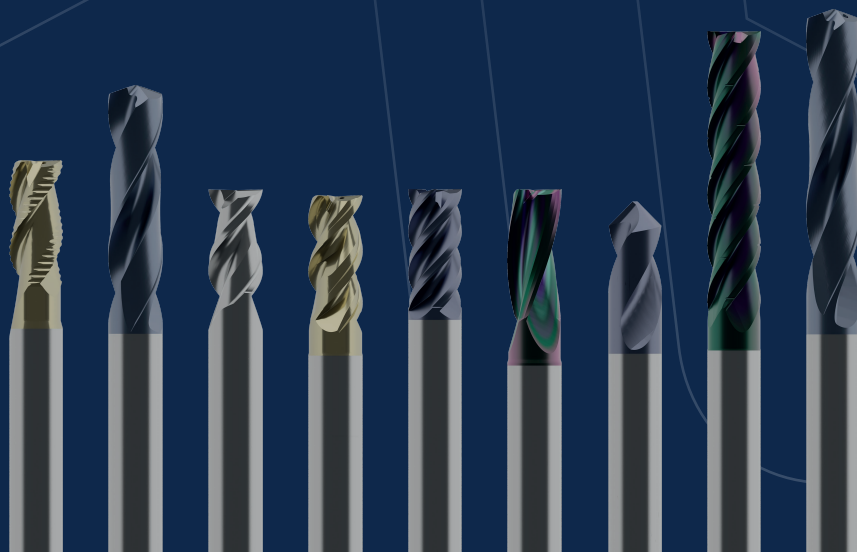


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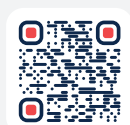
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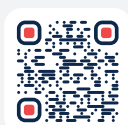
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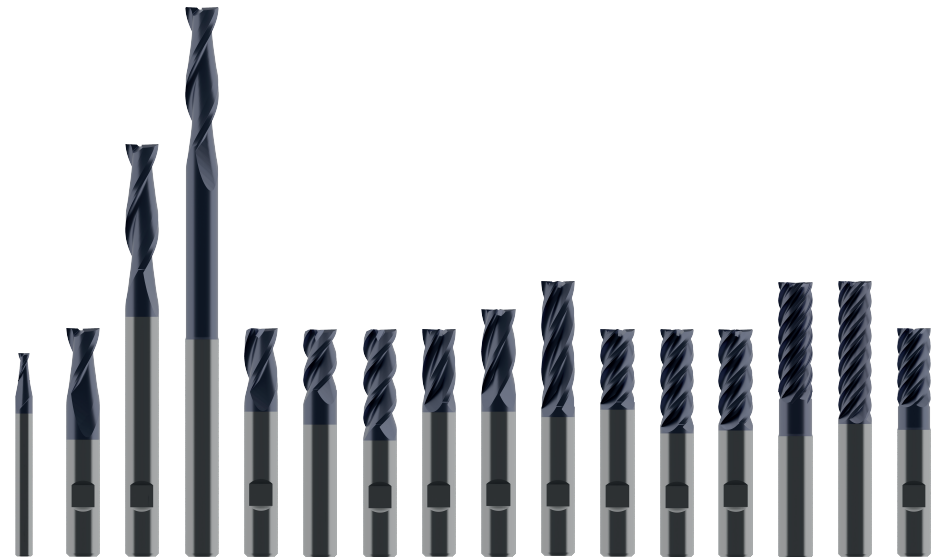


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Standard – Schlichtfräser / Finishing mills / Fraises de finition



| Artikel<br>Article                  | ACB.  | AAB.  | ABB.  | ABF.  | CCA.  | CEA.  | BBC.  | AAD.  | IBD.  | ABD.  | BAD.  | BBD.  | IBH.  | GCF.  | GDF.  | BZH.  |       |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|-------|
| Seite<br>Page                       | 19    | 20    | 21    | 21    | 22    | 23    | 24    | 25    | 26    | 27    | 28    | 28    | 29    | 30    | 31    | 31    |       |
| Zähnezahl<br>No. of teeth           | 2     | 2     | 2     | 2     | 3     | 3     | 3     | 4     | 4     | 4     | 4     | 4     | 4     | 5/6   | 6     | 6/8   |       |
| Stirngeometrie<br>Tool face design  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Beschichtung<br>Coating             | TIALN | TIALN | TIALN | TIALN | TIALN | TIALN | TIALN | TIALN | TIALN | TIALN | TIALN | TIALN | TIALN | TIALN | ALTIN | ALTIN | TIALN |
| High Performance<br>General Purpose | HP    | HP    | HP    | HP    | HP    | HP    | HP    | HP    | GP    | HP    | HP    | HP    | HP    | GP    | HP    | HP    | HP    |
| steel                               | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     |
| HRC 45-55                           |       |       |       |       |       |       |       |       | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     |
| HRC 55-60                           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| HRC 60-65                           |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| GG(G)                               | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     |
| ALU<br>NE                           | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     |
| plastic                             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| GFK/<br>CFK                         |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| Graphit                             |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| INOX<br>VA                          | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ●     | ●     | ○     |
| INCONEL<br>TITAN                    |       |       |       |       |       |       |       |       |       |       |       |       |       | ○     | ○     |       |       |
| IK                                  |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |       |
| TYP                                 | N     | N     | N     | N     | N     | N     | N     | N-H   | N-H   | N-H   | N-H   | N-H   | N-H   | N-H   | N-H   | N-H   | N-H   |

|                                     | Standard – Schlichtfräser / Finishing mills / Fraises de finition |      |      |      |      |      |      |      |       | HPC – Hochleistungsfräser / High performance cutting mills / Fraises haute performance |       |       |      |       |       |
|-------------------------------------|---|------|------|------|------|------|------|------|-------|--|-------|-------|------|-------|-------|
| Artikel<br>Article                  | ICF.  | DZ2. | DZ3. | IDA. | EIZ. | IDE. | DAB. | BDF. | AEZ.  | BCZ.   | BDC.  | BCA.  | HCA. | GCA.  | GD1.  |
| Seite<br>Page                       | 32  | 32   | 33   | 34   | 35   | 35   | 36   | 36   | 37    | 38   | 38    | 39    | 39   | 40    | 41    |
| Zähnezahl<br>No. of teeth           | 6/8   | 1    | 2    | 2    | 2-4  | 3    | 3/4  | 6    | 4     | 3  | 3     | 4     | 4    | 4     | 4     |
| Stirngeometrie<br>Tool face design  |   |      |      |      |      |      |      |      |       |  |       |       |      |       |       |
| Beschichtung<br>Coating             | TIALN   | Ta-C | Ta-C | ZrN  | Ta-C | ZrN  | ZrN  | ZrN  | ALTIN | VRC-P  | ALTIN | VRC-P | VRC  | TIALN | TIALN |
| High Performance<br>General Purpose | GP  | HP   | HP   | GP   | HP   | GP   | HP   | HP   | HP    | HP   | HP    | HP    | HP   | HP    | GP    |
| steel                               | ●   |      |      |      |      |      |      |      | ●     | ●  | ●     | ●     | ●    | ●     | ●     |
| HRC 45-55                           | ○   |      |      |      |      |      |      |      | ●     |  |       | ○     | ○    | ○     | ○     |
| HRC 55-60                           |   |      |      |      |      |      |      |      | ○     |  |       |       |      |       |       |
| HRC 60-65                           |   |      |      |      |      |      |      |      |       |  |       |       |      |       |       |
| GG(G)                               | ●   |      |      |      |      |      |      |      | ○     | ●  | ●     | ●     | ●    | ●     | ●     |
| ALU NE                              | ○   | ●    | ●    | ●    | ●    | ●    | ●    | ●    |       |  |       |       |      |       |       |
| plastic                             |   | ●    | ●    | ●    | ●    | ●    | ○    | ○    |       |  |       |       |      |       |       |
| GFK/CFK                             |   | ○    | ○    |      | ○    |      |      |      |       |  |       |       |      |       |       |
| Graphit                             |   |      |      |      |      |      |      |      |       |  |       |       |      |       |       |
| INOX VA                             | ○   |      |      |      |      |      |      |      |       |  | ○     |       | ○    | ○     | ○     |
| INCONEL TITAN                       |   |      |      |      |      |      |      |      |       |  |       |       |      |       |       |
| IK                                  |   |      |      |      |      |      |      |      |       |  |       |       |      |       |       |
| TYP                                 | N-H   | W    | W    | W    | W    | W    | W    | W    | H     | N  | N     | N-H   | N-H  | N-H   | N-H   |

HPC – Hochleistungsfräser / High performance cutting mills / Fraises haute performance



| Artikel<br>Article                  | GCB.  | BCC.  | HCC. | GCC.  | GD3.  | GBG.  | GBI.  | GCD.  | BCE.  | BCD.  | GBH.  | GB4.  | BHE. | IB9.  | BHG. | CH8. |
|-------------------------------------|-------|-------|------|-------|-------|-------|-------|-------|-------|-------|-------|-------|------|-------|------|------|
| Seite<br>Page                       | 42    | 43    | 44   | 45    | 46    | 46    | 47    | 48    | 49    | 49    | 50    | 50    | 51   | 51    | 52   | 52   |
| Zähnezahl<br>No. of teeth           | 4     | 4     | 4    | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 4     | 3    | 3     | 4    | 4    |
| Stirngeometrie<br>Tool face design  |       |       |      |       |       |       |       |       |       |       |       |       |      |       |      |      |
| Beschichtung<br>Coating             | TIALN | VRC-P | VRC  | TIALN | TIALN | ALTiN | ALTiN | TIALN | VRC-P | VRC-P | TIALN | TIALN | DCN  | TIALN | DCN  | VRC  |
| High Performance<br>General Purpose | HP    | HP    | HP   | HP    | GP    | HP    | HP    | HP    | HP    | HP    | HP    | GP    | HP   | GP    | HP   | GP   |
| steel                               | ●     | ●     | ●    | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ○    | ○     | ○    | ○    |
| HRC 45-55                           | ○     | ○     | ○    | ○     |       |       |       | ○     |       |       |       |       |      |       |      |      |
| HRC 55-60                           |       |       |      |       |       |       |       |       |       |       |       |       |      |       |      |      |
| HRC 60-65                           |       |       |      |       |       |       |       |       |       |       |       |       |      |       |      |      |
| GG(G)                               | ●     | ●     | ●    | ●     | ●     | ○     | ●     | ●     | ●     | ●     | ●     | ●     |      |       |      |      |
| ALU<br>NE                           |       |       |      |       |       |       |       |       |       |       |       |       |      |       |      |      |
| plastic                             |       |       |      |       |       |       |       |       |       |       |       |       |      |       |      |      |
| GFK/<br>CFK                         |       |       |      |       |       |       |       |       |       |       |       |       |      |       |      |      |
| Graphit                             |       |       |      |       |       |       |       |       |       |       |       |       |      |       |      |      |
| INOX<br>VA                          | ○     |       |      | ○     | ○     | ○     | ●     | ○     |       |       | ○     | ○     | ●    | ●     | ●    | ●    |
| INCONEL<br>TITAN                    |       |       |      |       |       |       |       |       |       |       |       |       | ○    | ○     | ○    | ○    |
|                                     |       |       |      |       |       |       | ●     |       |       |       |       |       |      |       |      |      |
| TYP                                 | N-H   | N-H   | N-H  | N-H   | N-H   | N     | N     | N-H   | N-H   | N-H   | N-H   | N-H   | N    | N     | N    | N    |

HPC – Hochleistungsfräser / High performance cutting mills / Fraises haute performance



| Artikel<br>Article                  | BHH. | BHI. | BIZ. | CGG. | CI0. | CI2. | CI3. | BIA. | CI5. | BIE. | BFF.     | DZ6. | B.DA5 | B.DA6 | BDD. | BDG. |
|-------------------------------------|------|------|------|------|------|------|------|------|------|------|----------|------|-------|-------|------|------|
| Seite<br>Page                       | 53   | 53   | 54   | 55   | 55   | 56   | 57   | 58   | 58   | 59   | 59       | 60   | 60    | 61    | 62   | 63   |
| Zähnezahl<br>No. of teeth           | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 4    | 5    | 4        | 3    | 3     | 3     | 3    | 3    |
| Stirngeometrie<br>Tool face design  |      |      |      |      |      |      |      |      |      |      |          |      |       |       |      |      |
| Beschichtung<br>Coating             | DCN  | DCN  | DCN  | VRC  | VRC  | VRC  | VRC  | DCN  | VRC  | DCN  | PrimeCon | Ta-C | Ta-C  | Ta-C  | ZrN  | ZrN  |
| High Performance<br>General Purpose | HP   | HP   | HP   | HP   | GP   | GP   | GP   | HP   | GP   | HP   | HP       | HP   | HP    | HP    | HP   | HP   |
| steel                               | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○        |      |       |       |      |      |
| HRC 45-55                           |      |      |      |      |      |      |      |      |      |      |          |      |       |       |      |      |
| HRC 55-60                           |      |      |      |      |      |      |      |      |      |      |          |      |       |       |      |      |
| HRC 60-65                           |      |      |      |      |      |      |      |      |      |      |          |      |       |       |      |      |
| GG(G)                               |      |      |      |      |      |      |      |      |      |      |          |      |       |       |      |      |
| ALU<br>NE                           |      |      |      |      |      |      |      |      |      |      |          | ●    | ●     | ●     | ●    | ●    |
| plastic                             |      |      |      |      |      |      |      |      |      |      |          | ●    | ●     | ●     | ○    | ○    |
| GFK/<br>CFK                         |      |      |      |      |      |      |      |      |      |      |          | ○    | ○     | ○     |      |      |
| Graphit                             |      |      |      |      |      |      |      |      |      |      |          |      |       |       |      |      |
| INOX<br>VA                          | ●    | ●    | ●    | ●    | ●    | ●    | ●    | ●    | ●    | ●    | ○        |      |       |       |      |      |
| INCONEL<br>TITAN                    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ○    | ●        |      |       |       |      |      |
|                                     |      |      |      |      |      |      |      |      |      |      |          |      | ●     |       |      | ●    |
| TYP                                 | N    | N    | N    | N    | N    | N    | N    | N    | N    | N    | N        | W    | W     | W     | W    | W    |

|                                     | HPC – Hochleistungsfräser / High performance cutting mills / Fraises haute performance |      |      |      |       |      |       | MTC – Kordelfräser / Roughing mills / Fraises ravageuses |       |       |       |       |       |       |       |
|-------------------------------------|--|------|------|------|-------|------|-------|--|-------|-------|-------|-------|-------|-------|-------|
| Artikel<br>Article                  | DZ4.   | DZ4. | DZ7. | DAD. | CAZ.  | CAB. | CAE.  | CZD.   | IEC.  | CCD.  | CZE.  | CDG.  | IEC.  | GBC.  | CDE.  |
| Seite<br>Page                       | 64   | 64   | 65   | 66   | 67    | 67   | 68    | 69   | 69    | 70    | 70    | 71    | 71    | 72    | 72    |
| Zähnezahl<br>No. of teeth           | 3  | 3    | 4    | 4    | 3-4   | 4    | 3-4   | 4  | 3-4   | 4     | 4     | 4-5   | 3-6   | 4     | 3-6   |
| Stirngeometrie<br>Tool face design  |  |      |      |      |       |      |       |  |       |       |       |       |       |       |       |
| Beschichtung<br>Coating             | Ta-C   | Ta-C | Ta-C | ZrN  | ALTiN | NCB  | ALTiN | TiAlN  | TiAlN | TiAlN | ALTiN | ALTiN | TiAlN | TiAlN | ALTiN |
| High Performance<br>General Purpose | HP   | HP   | HP   | HP   | HP    | HP   | HP    | HP   | GP    | HP    | HP    | HP    | GP    | HP    | HP    |
| steel                               |  |      |      |      | ○     | ○    | ○     | ●  | ●     | ●     | ●     | ●     | ●     | ●     | ○     |
| HRC 45-55                           |  |      |      |      | ●     | ●    | ●     |  |       |       |       |       |       |       |       |
| HRC 55-60                           |  |      |      |      | ●     | ●    | ●     |  |       |       |       |       |       |       |       |
| HRC 60-65                           |  |      |      |      | ○     | ○    | ○     |  |       |       |       |       |       |       |       |
| GG(G)                               |  |      |      |      | ○     | ○    | ○     | ○  | ○     | ○     | ○     | ○     | ○     | ○     |       |
| ALU NE                              | ●  | ●    | ●    | ●    |       |      |       |  |       |       |       |       |       |       |       |
| plastic                             | ●  | ●    | ○    |      |       |      |       |  |       |       |       |       |       |       |       |
| GFK/CFK                             | ○  | ○    |      |      |       |      |       |  |       |       |       |       |       |       |       |
| Graphit                             |  |      |      |      |       |      |       |  |       |       |       |       |       |       |       |
| INOX VA                             |  |      |      |      |       |      |       | ○  | ○     | ○     | ○     | ○     | ○     | ○     | ●     |
| INCONEL TITAN                       |  |      |      |      |       |      |       |  |       |       |       |       |       |       |       |
| IK                                  |  | ●    |      |      |       |      |       |  |       | ●     |       |       |       |       |       |
| TYP                                 | W  | W    | W    | W    | H     | H    | H     | N  | N     | N     | N     | N     | N     | N     | N     |

|                                     | MTC – Kordelfräser / Roughing mills / Fraises ravageuses |      |      |      |       | TSC – Trochoidalfräser / Trochoidal speed cutting mills / Fraises trochoidales |      |       |       |       |       |      |      |      |      |  |
|-------------------------------------|--|------|------|------|-------|--|------|-------|-------|-------|-------|------|------|------|------|--|
| Artikel<br>Article                  | DA3.   | BEA. | BEB. | BEC. | DZE.  | EIE.   | EIA. | EIG.  | EIH.  | EII.  | FZZ.  | GHI. | EIB. | DA4. | DA0. |  |
| Seite<br>Page                       | 73   | 73   | 74   | 74   | 75    | 76   | 76   | 77    | 77    | 78    | 78    | 79   | 79   | 80   | 80   |  |
| Zähnezahl<br>No. of teeth           | 3  | 3    | 3    | 3    | 3     | 4  | 5    | 7     | 7     | 6     | 6     | 4-5  | 5    | 3    | 3    |  |
| Stirngeometrie<br>Tool face design  |  |      |      |      |       |  |      |       |       |       |       |      |      |      |      |  |
| Beschichtung<br>Coating             | Ta-C   | Ta-C | ZrN  | ZrN  | BLANK | VRC  | VRC  | VRC-P | VRC-P | VRC-P | VRC-P | NCB  | VRC  | Ta-C | Ta-C |  |
| High Performance<br>General Purpose | HP   | HP   | HP   | HP   | HP    | HP   | HP   | HP    | HP    | HP    | HP    | HP   | HP   | HP   | HP   |  |
|                                     |  |      |      |      |       | ●  | ●    | ●     | ●     | ●     | ●     | ○    | ○    |      |      |  |
|                                     |  |      |      |      |       | ○  | ○    | ○     | ○     | ○     | ○     |      |      |      |      |  |
|                                     |  |      |      |      |       |  |      |       |       |       |       |      |      |      |      |  |
|                                     |  |      |      |      |       |  |      |       |       |       |       |      |      |      |      |  |
|                                     |  |      |      |      |       | ●  | ●    | ●     | ●     | ●     | ●     |      |      |      |      |  |
|                                     | ●  | ●    | ●    | ●    | ●     |  |      |       |       |       |       |      |      | ●    | ●    |  |
|                                     |  |      |      |      |       |  |      |       |       |       |       |      |      | ○    | ○    |  |
|                                     |  |      |      |      |       |  |      |       |       |       |       |      |      | ○    | ○    |  |
|                                     |  |      |      |      |       |  |      |       |       |       |       |      |      |      |      |  |
|                                     |  |      |      |      |       | ●  | ○    | ●     | ●     | ●     | ●     | ●    | ●    |      |      |  |
|                                     |  |      |      |      |       | ○  |      | ○     | ○     | ○     | ○     | ○    | ○    |      |      |  |
|                                     |  | ●    | ●    | ●    |       |  |      |       |       |       |       |      |      |      |      |  |
| TYP                                 | W  | W    | W    | W    | W     | N-H  | N-H  | N-H   | N-H   | N-H   | N-H   | N    | N    | W    | W    |  |

| Artikel<br>Article                  | TSC – Trochoidalfräser / Trochoidal speed cutting mills / Fraises trochoïdales |      | HSC – Schlichtfräser / Finishing mills / Fraises de finition |       |       |       |       | HSC – Kopierfräser / Profile mills / Fraises à copier |        |      |       |       |       |       |
|-------------------------------------|--|------|--|-------|-------|-------|-------|---|--------|------|-------|-------|-------|-------|
|                                     | B.DA9.   | EIC. | BAH.   | BBZ.  | BBA.  | CZH.  | CZI.  | EEG.  | EEF.   | ECA. | ECB.  | EAA.  | EAB.  | GCI.  |
| Seite<br>Page                       | 81   | 81   | 82   | 82    | 83    | 83    | 84    | 85  | 86     | 88   | 89    | 90    | 91    | 91    |
| Zähnezahl<br>No. of teeth           | 4  | 5    | 6/8  | 6/8   | 6/8   | 6-8   | 6-8   | 2   | 2      | 2    | 2     | 2     | 2     | 4     |
| Stirngeometrie<br>Tool face design  |  |      |  |       |       |       |       |   |        |      |       |       |       |       |
| Beschichtung<br>Coating             | Ta-C   | VRC  | ALTiN  | ALTiN | ALTiN | ALTiN | ALTiN | TIALCN  | TIALCN | NCB  | TIALN | TIALN | TIALN | TIALN |
| High Performance<br>General Purpose | HP   | HP   | HP   | HP    | HP    | HP    | HP    | HP  | HP     | HP   | HP    | HP    | HP    | HP    |
| steel                               |  |      | ○  | ○     | ○     | ○     | ○     | ○   | ○      | ●    | ●     | ●     | ●     | ●     |
| HRC 45-55                           |  |      | ●  | ●     | ●     | ●     | ●     |   |        | ○    | ○     | ○     | ○     | ○     |
| HRC 55-60                           |  |      | ●  | ●     | ●     | ●     | ●     |   |        |      |       |       |       |       |
| HRC 60-65                           |  |      | ●  | ●     | ●     | ●     | ●     |   |        |      |       |       |       |       |
| GG(G)                               |  |      |  |       |       |       |       |   |        | ●    | ●     | ●     | ●     | ●     |
| ALU<br>NE                           | ●  |      |  |       |       |       |       | ●   | ●      | ○    | ○     | ○     | ○     |       |
| plastic                             | ○  |      |  |       |       |       |       | ○   | ○      |      |       |       |       |       |
| GFK/<br>CFK                         | ○  |      |  |       |       |       |       |   |        |      |       |       |       |       |
| Graphit                             |  |      |  |       |       |       |       |   |        |      |       |       |       |       |
| INOX<br>VA                          |  | ○    |  |       |       |       |       | ○   | ○      | ○    | ○     | ○     | ○     | ○     |
| INCONEL<br>TITAN                    |  | ●    |  |       |       |       |       |   |        |      |       |       |       |       |
|                                     |  |      |  |       |       |       |       |   |        |      |       |       |       |       |
| TYP                                 | W  | N    | H  | H     | H     | H     | H     | N-W   | N-W    | N-H  | N-H   | N-H   | N-H   | N-H   |

HSC – Kopierfräser / Profile mills / Fraises à copier



| Artikel<br>Article                  | DZ9. | DZ8. | DA1. | DA2. | EGA. | EGZ. | EEC.  | EEH. | DCZ. | CAC. | FDZ.  | FDA.  | FDB.  | FDC.  | FDD.  | CCH. |
|-------------------------------------|------|------|------|------|------|------|-------|------|------|------|-------|-------|-------|-------|-------|------|
| Seite<br>Page                       | 92   | 93   | 94   | 94   | 95   | 99   | 107   | 111  | 112  | 113  | 114   | 115   | 117   | 118   | 119   | 120  |
| Zähnezahl<br>No. of teeth           | 2    | 2    | 2    | 2    | 2    | 2    | 2     | 2    | 4    | 4    | 4     | 4     | 4     | 4     | 4     | 4    |
| Stirngeometrie<br>Tool face design  |      |      |      |      |      |      |       |      |      |      |       |       |       |       |       |      |
| Beschichtung<br>Coating             | Ta-C | Ta-C | Ta-C | Ta-C | NNC  | NNC  | ALTiN | NCB  | NCB  | NCB  | TIALN | TIALN | TIALN | ALTiN | ALTiN | NCB  |
| High Performance<br>General Purpose | HP   | HP   | HP   | HP   | HP   | HP   | HP    | HP   | HP   | HP   | HP    | HP    | HP    | HP    | HP    | HP   |
| steel                               |      |      |      |      | ●    | ●    | ●     | ●    | ●    | ●    | ●     | ●     | ●     | ●     | ●     | ●    |
| HRC 45-55                           |      |      |      |      | ●    | ●    | ●     | ●    | ●    | ●    | ●     | ●     | ●     | ●     | ●     | ●    |
| HRC 55-60                           |      |      |      |      | ●    | ●    | ●     | ●    | ●    | ●    | ●     | ●     | ●     | ●     | ●     | ●    |
| HRC 60-65                           |      |      |      |      | ○    | ●    | ●     | ●    | ●    | ●    | ○     | ○     | ○     | ○     | ○     | ○    |
| GG(G)                               |      |      |      |      | ●    | ●    | ●     | ●    | ●    | ●    | ●     | ●     | ●     | ●     | ●     | ●    |
| ALU<br>NE                           | ●    | ●    | ●    | ●    |      |      |       |      |      |      |       |       |       |       |       |      |
| plastic                             | ●    | ●    | ●    | ●    |      |      |       |      |      |      |       |       |       |       |       |      |
| GFK/<br>CFK                         | ○    | ○    | ○    | ○    |      |      |       |      |      |      |       |       |       |       |       |      |
| Graphit                             |      |      |      |      |      |      |       |      |      |      |       |       |       |       |       |      |
| INOX<br>VA                          |      |      |      |      |      |      |       |      |      |      |       |       |       |       |       |      |
| INCONEL<br>TITAN                    |      |      |      |      |      |      |       |      |      |      |       |       |       |       |       |      |
|                                     |      |      |      |      |      |      |       |      |      |      |       |       |       |       |       |      |
| TYP                                 | W    | W    | W    | W    | H    | H    | H     | H    | H    | H    | H     | H     | H     | H     | H     | H    |

HSC – Kopierfräser / Profile mills / Fraises à copier



| Artikel<br>Article                  | CCI.  | CCB.  | CCC.  | CCF.  | CCG.  | FGA.  | EBE. | EED.  | EEL. | DBZ. | EBZ. | FFD.  | FFE.  | FFC.  | EFZ.    | EFE.    |   |
|-------------------------------------|-------|-------|-------|-------|-------|-------|------|-------|------|------|------|-------|-------|-------|---------|---------|---|
| Seite<br>Page                       | 121   | 121   | 122   | 122   | 123   | 123   | 124  | 129   | 133  | 136  | 137  | 138   | 138   | 139   | 140     | 144     |   |
| Zähnezahl<br>No. of teeth           | 6     | 2     | 2     | 4     | 4     | 2     | 2    | 2     | 2    | 2    | 2    | 2     | 2     | 2     | 2       | 2       |   |
| Stirngeometrie<br>Tool face design  |       |       |       |       |       |       |      |       |      |      |      |       |       |       |         |         |   |
| Beschichtung<br>Coating             | ALTIM | ALTIM | ALTIM | ALTIM | ALTIM | ALTIM | VRC  | ALTIM | NCB  | NCB  | NCB  | TIALN | ALTIM | TIALN | DIAMOND | DIAMOND |   |
| High Performance<br>General Purpose | HP    | HP    | HP    | HP    | HP    | HP    | HP   | HP    | HP   | HP   | HP   | HP    | HP    | HP    | HP      | GP      |   |
| steel                               | ●     | ●     | ●     | ●     | ●     | ●     | ●    | ●     | ●    | ●    | ●    | ●     | ●     | ●     |         |         |   |
| HRC 45-55                           | ●     | ●     | ●     | ●     | ●     | ●     | ●    | ●     | ●    | ●    | ●    | ●     | ●     | ●     |         |         |   |
| HRC 55-60                           | ●     | ○     | ○     | ●     | ●     | ●     | ●    | ●     | ●    | ●    | ●    | ●     | ●     | ●     |         |         |   |
| HRC 60-65                           | ●     | ○     | ○     | ●     | ●     | ●     | ●    | ●     | ●    | ●    | ●    | ●     | ●     | ●     |         |         |   |
| GG(G)                               | ●     | ●     | ●     | ●     | ●     | ●     | ●    | ●     | ●    | ●    | ●    | ●     | ●     | ●     |         |         |   |
| ALU<br>NE                           |       |       |       |       |       |       |      |       |      |      |      |       |       |       |         |         |   |
| plastic                             |       |       |       |       |       |       |      |       |      |      |      |       |       |       |         |         |   |
| GFK/<br>CFK                         |       |       |       |       |       |       |      |       |      |      |      |       |       |       |         |         |   |
| Graphit                             |       |       |       |       |       |       |      |       |      |      |      |       |       |       | ●       | ●       |   |
| INOX<br>VA                          |       |       |       |       |       |       |      |       |      |      |      |       |       |       |         |         |   |
| INCONEL<br>TITAN                    |       |       |       |       |       |       |      |       |      |      |      |       |       |       |         |         |   |
|                                     |       |       |       |       |       |       |      |       |      |      |      |       |       |       |         |         |   |
| TYP                                 | H     | H-N   | H-N   | H     | H     | H     | H    | H     | H    | H    | H    | H     | H     | H     | H       | W       | W |

|                                     | <b>HSC – Kopierfräser / Profile mills / Fraises à copier</b> |         |         |         |         |         | <b>CSC – Bogensegmentfräser / Curve segment mills / Fraises segment d'arc</b> |      | <b>Spezial-Fräser / Special mills / Fraises spéciales – Schafffräser / End mills / Fraises deux tailles</b> |       |       |       |       |       |
|-------------------------------------|--|---------|---------|---------|---------|---------|---|------|---|-------|-------|-------|-------|-------|
| Artikel<br>Article                  | EFG.   | EFC.    | EFD.    | EFA.    | EFF.    | EFH.    | FCC.  | FCD. | GDZ.  | GDE.  | FAB.  | FFZ.  | FIZ.  | GFZ.  |
| Seite<br>Page                       | 145  | 146     | 147     | 148     | 151     | 152     | 153   | 153  | 154   | 154   | 155   | 155   | 156   | 156   |
| Zähnezahl<br>No. of teeth           | 3  | 4       | 4       | 2       | 2       | 3       | 4   | 4    | 1   | 1     | 2     | 2     | 2     | 4-6   |
| Stirngeometrie<br>Tool face design  |  |         |         |         |         |         |   |      |   |       |       |       |       |       |
| Beschichtung<br>Coating             | DIAMOND  | DIAMOND | DIAMOND | DIAMOND | DIAMOND | DIAMOND | VRC   | VRC  | BLANK   | TIALN | BLANK | BLANK | BLANK | TIALN |
| High Performance<br>General Purpose | HP   | HP      | HP      | HP      | GP      | HP      | HP  | HP   | HP  | HP    | HP    | HP    | HP    | HP    |
|                                     |  |         |         |         |         |         | ●   | ●    | ●   | ●     | ●     | ●     | ●     | ●     |
|                                     |  |         |         |         |         |         | ○   | ○    | ○   |       |       |       |       | ○     |
|                                     |  |         |         |         |         |         |   |      | ○   |       |       |       |       |       |
|                                     |  |         |         |         |         |         |   |      |   |       |       |       |       |       |
|                                     |  |         |         |         |         |         | ●   | ●    | ●   | ●     | ○     | ○     | ○     | ●     |
|                                     |  |         |         |         |         |         | ●   | ●    | ○   | ○     | ●     | ●     | ●     | ○     |
|                                     |  |         |         |         |         |         | ○   | ○    |   | ●     | ●     | ●     | ●     | ●     |
|                                     |  |         |         |         |         |         |   |      |   |       |       |       |       |       |
|                                     | ●  | ●       | ●       | ●       | ●       | ●       |   |      |   |       |       |       |       |       |
|                                     |  |         |         |         |         |         | ○   | ○    | ○   | ○     | ○     | ○     | ○     | ●     |
|                                     |  |         |         |         |         |         | ○   | ○    |   |       |       |       |       | ○     |
|                                     |  |         |         |         |         |         |   |      |   |       |       |       |       |       |
|                                     | W  | W       | W       | W       | W       | W       | W-H   | W-H  | N-H   | N     | N-W   | N-W   | N-W   | W-H   |

|                                     |  | Spezial-Fräser / Special mills / Fraises spéciales – Schaftfräser / End mills / Fraises deux tailles |       |       |       |       |       |       |       |       |       | Microbohrer / Micro drills / Micro-forets |      |       |
|-------------------------------------|--|--|-------|-------|-------|-------|-------|-------|-------|-------|-------|---|------|-------|
| Artikel<br>Article                  |  | GIZ.   | GI5.  | IZC.  | IZZ.  | IZD.  | GHZ.  | IZA.  | EZ.Z. | DI.Z. | DH.Z. | EZF.                                      | EZG. | EZH.  |
| Seite<br>Page                       |  | 157  | 157   | 158   | 158   | 159   | 159   | 160   | 161   | 162   | 163   | 164                                       | 166  | 173   |
| Zähnezahl<br>No. of teeth           |  | 3-6  | 4-6   | 5-6   | 3-4   | 3-6   | 4     | 4     | 1     | 1     | 1     | 2   | 2    | 2     |
| Stirngeometrie<br>Tool face design  |  |  |       |       |       |       |       |       |       |       |       | 3xD                                       | 5xD  | 8xD   |
| Beschichtung<br>Coating             |  | TIALN  | TIALN | TIALN | TIALN | TIALN | TIALN | TIALN | BLANK | BLANK | BLANK | BLANK                                     | NNC  | BLANK |
| High Performance<br>General Purpose |  | HP   | GP    | HP    | HP    | HP    | HP    | HP    | HP    | HP    | HP    | HP  | HP   | HP    |
|                                     |  | ●  | ●     | ●     | ●     | ●     | ●     | ●     |       |       |       | ●   | ●    | ●     |
|                                     |  | ○  | ○     | ○     | ○     | ○     | ○     | ○     |       |       |       |   |      |       |
|                                     |  |  |       |       |       |       |       |       |       |       |       |   |      |       |
|                                     |  |  |       |       |       |       |       |       |       |       |       |   |      |       |
|                                     |  | ●  | ●     | ●     | ●     | ●     | ●     | ●     |       |       |       | ●   | ●    | ●     |
|                                     |  | ○  | ○     | ○     | ○     | ○     | ○     | ○     | ●     | ●     | ●     | ●   | ●    | ●     |
|                                     |  | ●  | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ○   | ○    | ○     |
|                                     |  |  |       |       |       |       |       |       |       |       |       |   |      |       |
|                                     |  |  |       |       |       |       |       |       |       |       |       |   |      |       |
|                                     |  | ●  | ●     | ●     | ●     | ●     | ●     | ●     |       |       |       | ○   | ○    | ○     |
|                                     |  | ○  | ○     | ○     | ○     | ○     | ○     | ○     |       |       |       |   |      |       |
|                                     |  |  |       |       |       |       |       |       |       |       |       |   |      |       |
|                                     |  | W-H  | W-H   | W-H   | W-H   | W-H   | W-H   | W-H   | W     | W     | W     | W-N                                       | W-N  | W-N   |

HP (High Performance) - Bohrer / HP - Drills / HP - Forets



| Artikel<br>Article                  | CZC.  | EZC.  | GZC.  | EZE.  | GZE.  | GZH.  | GAZ.  | GEA. | GEB. | GEC. | GED. |
|-------------------------------------|-------|-------|-------|-------|-------|-------|-------|------|------|------|------|
| Seite<br>Page                       | 178   | 181   | 185   | 188   | 192   | 197   | 201   | 205  | 209  | 213  | 217  |
| Zähnezahl<br>No. of teeth           | 2     | 2     | 2     | 2     | 2     | 2     | 2     | 2    | 2    | 2    | 2    |
| Einsatzlänge<br>Drilling length     | 3xD   | 3xD   | 3xD   | 5xD   | 5xD   | 8xD   | 12xD  | 3xD  | 3xD  | 5xD  | 8xD  |
| Beschichtung<br>Coating             | TIALN | TIALN | TIALN | TIALN | TIALN | TIALN | TIALN | VRC  | VRC  | VRC  | VRC  |
| High Performance<br>General Purpose | HP    | HP    | HP    | HP    | HP    | HP    | HP    | HP   | HP   | HP   | HP   |
| steel                               | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ○    | ○    | ○    | ○    |
| HRC 45-55                           | ○     | ○     | ○     | ○     | ○     | ○     | ○     |      |      |      |      |
| HRC 55-60                           |       |       |       |       |       |       |       |      |      |      |      |
| HRC 60-65                           |       |       |       |       |       |       |       |      |      |      |      |
| GG(G)                               | ●     | ●     | ●     | ●     | ●     | ●     | ●     | ○    | ○    | ○    | ○    |
| ALU<br>NE                           |       |       |       |       |       |       |       | ○    | ○    | ○    | ○    |
| plastic                             |       |       |       |       |       |       |       | ○    | ○    | ○    | ○    |
| GFK/<br>CFK                         |       |       |       |       |       |       |       |      |      |      |      |
| Graphit                             |       |       |       |       |       |       |       |      |      |      |      |
| INOX<br>VA                          | ○     | ○     | ○     | ○     | ○     | ○     | ○     | ●    | ●    | ●    | ●    |
| INCONEL<br>TITAN                    |       |       |       |       |       |       |       | ○    | ○    | ○    | ○    |
| IK                                  |       |       | ●     |       | ●     | ●     | ●     |      | ●    | ●    | ●    |
| TYP                                 | N-H   | N-H   | N-H   | N-H   | N-H   | N-H   | N-H   | N-W  | N-W  | N-W  | N-W  |

| Artikel<br>Article                  | HP (High Performance) - Bohrer / HP - Drills / HP - Forets |      | Spezialbohrer / Special drills / Forets spéciaux |       |       | Stufenbohrer / Step drills / Forets étage |       | Tieflochbohrer / Deep hole drills / Forets pour trous profonds |      |      |      |
|-------------------------------------|--|------|--|-------|-------|---|-------|--|------|------|------|
| Seite<br>Page                       | GZG.   | HAZ. | HAG.   | HAH.  | GAA.  | HDA.                                      | HEZ.  | IZH.   | IZI. | IAZ. | IAA. |
| Zähnezahl<br>No. of teeth           | 2  | 2    | 2  | 2     | 2     | 2   | 2     | 2  | 2    | 2    | 2    |
| Einsatzlänge<br>Drilling length     | 5xD  | 3xD  | 3xD  | 5xD   | 5xD   |   |       | 15xD   | 20xD | 25xD | 30xD |
| Beschichtung<br>Coating             | Ta-C   | NCB  | TIALN  | TIALN | TIALN | TIALN                                     | TIALN | VRC  | VRC  | VRC  | VRC  |
| High Performance<br>General Purpose | HP   | HP   | HP   | HP    | HP    | HP  | HP    | HP   | HP   | HP   | HP   |
| steel                               |  | ○    | ●  | ●     | ●     | ●   | ●     | ●  | ●    | ●    | ●    |
| HRC 45-55                           |  | ●    | ○  | ○     | ○     | ○   | ○     |  |      |      |      |
| HRC 55-60                           |  | ●    |  |       |       |   |       |  |      |      |      |
| HRC 60-65                           |  | ○    |  |       |       |   |       |  |      |      |      |
| GG(G)                               |  |      | ●  | ●     | ○     | ●   | ●     | ○  | ○    | ○    | ○    |
| ALU<br>NE                           | ●  |      | ○  | ○     |       | ○   | ○     |  |      |      |      |
| plastic                             | ●  |      | ○  | ○     |       | ○   | ○     |  |      |      |      |
| GFK/<br>CFK                         | ○  |      |  |       |       |   |       |  |      |      |      |
| Graphit                             |  |      |  |       |       |   |       |  |      |      |      |
| INOX<br>VA                          |  |      | ○  | ○     |       | ○   | ○     | ●  | ●    | ●    | ●    |
| INCONEL<br>TITAN                    |  |      | ○  | ○     |       |   |       |  |      |      |      |
| IK                                  | ●  |      | ●  | ●     | ●     |   |       | ●  | ●    | ●    | ●    |
| TYP                                 | W  | H    | N-W  | N-W   | N-H   | N-W                                       | N-W   | N  | N    | N    | N    |

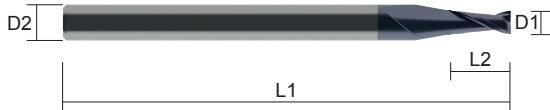
|                                     | Anbohrer & Senker / Spotting drills & Countersink / Forets à centrer & Fraises à chanfreiner |       |       |       |       |      | GP (General Purpose) - Bohrer / GP - Drills / GP - Forets |       |       |       |       |
|-------------------------------------|--|-------|-------|-------|-------|------|---|-------|-------|-------|-------|
| Artikel<br>Article                  | FZH.   | HIZ.  | HFZ.  | HAD.  | GCZ.  | DZZ. | FEA.  | FEB.  | FEC.  | ZA.   | ZB.   |
| Seite<br>Page                       | 241  | 241   | 242   | 242   | 243   | 243  | 244   | 247   | 249   | 252   | 255   |
| Zähnezahl<br>No. of teeth           | 2  | 2     | 2     | 2     | 3     | 2-3  | 2   | 2     | 2     | 2     | 2     |
| Einsatzlänge<br>Drilling length     |  |       |       |       |       |      | 3xD   | 3xD   | 5xD   | 3xD   | 5xD   |
| Beschichtung<br>Coating             | BLANK  | TIALN | TIALN | TIALN | TIALN | TIN  | TIALN   | TIALN | TIALN | BLANK | BLANK |
| High Performance<br>General Purpose | HP   | HP    | HP    | HP    | HP    | HP   | GP  | GP    | GP    | GP    | GP    |
| steel                               | ●  | ●     | ●     | ●     | ●     |      | ●   | ●     | ●     |       |       |
| HRC 45-55                           |  | ●     | ●     | ●     | ○     |      |   |       |       |       |       |
| HRC 55-60                           |  | ○     | ○     | ○     |       |      |   |       |       |       |       |
| HRC 60-65                           |  |       |       |       |       | ●    |   |       |       |       |       |
| GG(G)                               | ●  | ●     | ●     | ●     | ●     |      | ●   | ●     | ●     |       |       |
| ALU<br>NE                           | ●  | ○     | ○     | ○     | ●     |      |   |       |       | ●     | ●     |
| plastic                             | ●  | ●     | ●     | ●     | ●     |      |   |       |       | ●     | ●     |
| GFK/<br>CFK                         |  |       |       |       |       |      |   |       |       |       |       |
| Graphit                             |  |       |       |       |       |      |   |       |       |       |       |
| INOX<br>VA                          | ○  | ●     | ●     | ●     | ●     |      | ○   | ○     | ○     |       |       |
| INCONEL<br>TITAN                    |  | ○     | ○     | ○     | ●     |      |   |       |       |       |       |
| IK                                  |  |       |       |       |       |      |   | ●     | ●     |       |       |
| TYP                                 | N-W  | W-H   | W-H   | W-H   | W-H   | H    | N-W   | N-W   | N-W   | W     | W     |



# VHM-Mini-Schaftfräser

Solid carbide mini end mill

Artikel-Nr. ACB...

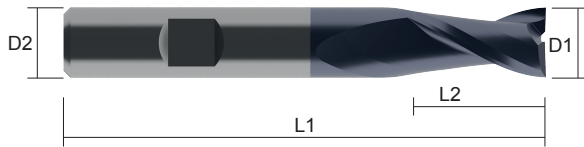


| D1<br>h9 | D2<br>h6 | L2   | L1 | Z | Artikel-Nr./<br>Article-No. | BLANK | TIALN |
|----------|----------|------|----|---|-----------------------------|-------|-------|
| 0,20     | 3,00     | 0,50 | 38 | 2 | ACB.020...                  | .09   | .00   |
| 0,25     | 3,00     | 0,50 | 38 | 2 | ACB.025...                  | .09   | .00   |
| 0,30     | 3,00     | 1,00 | 38 | 2 | ACB.030...                  | .09   | .00   |
| 0,40     | 3,00     | 1,00 | 38 | 2 | ACB.040...                  | .09   | .00   |
| 0,50     | 3,00     | 1,50 | 38 | 2 | ACB.050...                  | .09   | .00   |
| 0,60     | 3,00     | 1,50 | 38 | 2 | ACB.060...                  | .09   | .00   |
| 0,70     | 3,00     | 2,00 | 38 | 2 | ACB.070...                  | .09   | .00   |
| 0,80     | 3,00     | 2,00 | 38 | 2 | ACB.080...                  | .09   | .00   |
| 0,90     | 3,00     | 2,50 | 38 | 2 | ACB.090...                  | .09   | .00   |
| 1,00     | 3,00     | 3,00 | 38 | 2 | ACB.100...                  | .09   | .00   |
| 1,10     | 3,00     | 3,00 | 38 | 2 | ACB.110...                  | .09   | .00   |
| 1,20     | 3,00     | 4,00 | 38 | 2 | ACB.120...                  | .09   | .00   |
| 1,30     | 3,00     | 4,00 | 38 | 2 | ACB.130...                  | .09   | .00   |
| 1,40     | 3,00     | 4,00 | 38 | 2 | ACB.140...                  | .09   | .00   |
| 1,50     | 3,00     | 4,00 | 38 | 2 | ACB.150...                  | .09   | .00   |
| 1,60     | 3,00     | 4,00 | 38 | 2 | ACB.160...                  | .09   | .00   |
| 1,70     | 3,00     | 4,00 | 38 | 2 | ACB.170...                  | .09   | .00   |
| 1,80     | 3,00     | 5,00 | 38 | 2 | ACB.180...                  | .09   | .00   |
| 1,90     | 3,00     | 5,00 | 38 | 2 | ACB.190...                  | .09   | .00   |
| 2,00     | 3,00     | 5,00 | 38 | 2 | ACB.200...                  | .09   | .00   |

# VHM-Schaftfräser kurz

## VHM-Schaftfräser kurz

Artikel-Nr. AAB...

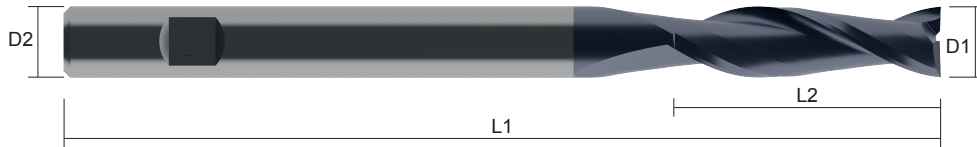


| D1<br>h9 | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. | BLANK | TIALN |
|----------|----------|----|-----|---|-----------------------------|-------|-------|
| 1,50     | 3,00     | 3  | 38  | 2 | AAB.015...                  | .09   | .00   |
| 2,00     | 3,00     | 6  | 38  | 2 | AAB.020...                  | .09   | .00   |
| 2,50     | 3,00     | 6  | 38  | 2 | AAB.025...                  | .09   | .00   |
| 3,00     | 3,00     | 7  | 38  | 2 | AAB.030...                  | .09   | .00   |
| 3,50     | 6,00     | 8  | 57  | 2 | AAB.035...                  | .09   | .00   |
| 4,00     | 6,00     | 8  | 57  | 2 | AAB.040...                  | .09   | .00   |
| 4,50     | 6,00     | 10 | 57  | 2 | AAB.045...                  | .09   | .00   |
| 4,80     | 6,00     | 10 | 57  | 2 | AAB.048...                  | .09   | .00   |
| 5,00     | 6,00     | 10 | 57  | 2 | AAB.050...                  | .09   | .00   |
| 5,50     | 6,00     | 10 | 57  | 2 | AAB.055...                  | .09   | .00   |
| 5,75     | 6,00     | 10 | 57  | 2 | AAB.057...                  | .09   | .00   |
| 6,00     | 6,00     | 10 | 57  | 2 | AAB.060...                  | .09   | .00   |
| 6,75     | 8,00     | 13 | 63  | 2 | AAB.067...                  | .09   | .00   |
| 7,00     | 8,00     | 16 | 63  | 2 | AAB.070...                  | .09   | .00   |
| 7,50     | 8,00     | 16 | 63  | 2 | AAB.075...                  | .09   | .00   |
| 7,75     | 8,00     | 16 | 63  | 2 | AAB.077...                  | .09   | .00   |
| 8,00     | 8,00     | 16 | 63  | 2 | AAB.080...                  | .09   | .00   |
| 8,70     | 10,00    | 16 | 72  | 2 | AAB.087...                  | .09   | .00   |
| 9,00     | 10,00    | 16 | 72  | 2 | AAB.090...                  | .09   | .00   |
| 9,70     | 10,00    | 19 | 72  | 2 | AAB.097...                  | .09   | .00   |
| 10,00    | 10,00    | 19 | 72  | 2 | AAB.100...                  | .09   | .00   |
| 11,70    | 12,00    | 22 | 83  | 2 | AAB.117...                  | .09   | .00   |
| 12,00    | 12,00    | 22 | 83  | 2 | AAB.120...                  | .09   | .00   |
| 13,70    | 14,00    | 22 | 83  | 2 | AAB.137...                  | .09   | .00   |
| 14,00    | 14,00    | 22 | 83  | 2 | AAB.140...                  | .09   | .00   |
| 15,70    | 16,00    | 26 | 92  | 2 | AAB.157...                  | .09   | .00   |
| 16,00    | 16,00    | 26 | 92  | 2 | AAB.160...                  | .09   | .00   |
| 18,00    | 18,00    | 26 | 92  | 2 | AAB.180...                  | .09   | .00   |
| 20,00    | 20,00    | 32 | 104 | 2 | AAB.200...                  | .09   | .00   |

## VHM-Schaftfräser lang

Solid carbide end mill long

Artikel-Nr. ABB...

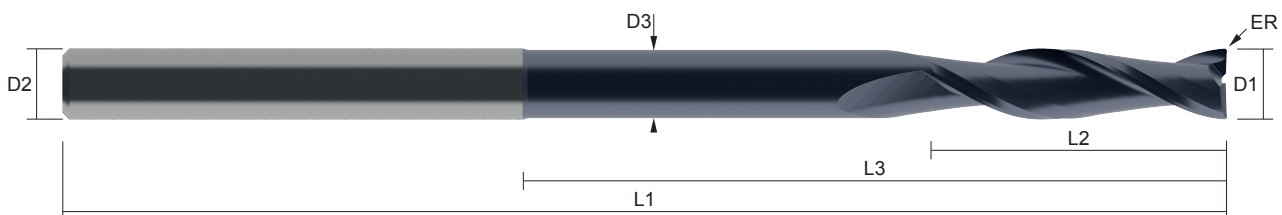


| D1<br>h9 | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|---|-----------------------------|
| 3,00     | 3,00     | 20 | 75  | 2 | ABB.030.00                  |
| 4,00     | 4,00     | 25 | 75  | 2 | ABB.040.00                  |
| 5,00     | 5,00     | 30 | 75  | 2 | ABB.050.00                  |
| 6,00     | 6,00     | 30 | 75  | 2 | ABB.060.00                  |
| 8,00     | 8,00     | 40 | 100 | 2 | ABB.080.00                  |
| 10,00    | 10,00    | 40 | 100 | 2 | ABB.100.00                  |
| 12,00    | 12,00    | 45 | 150 | 2 | ABB.120.00                  |
| 16,00    | 16,00    | 65 | 150 | 2 | ABB.160.00                  |
| 20,00    | 20,00    | 65 | 150 | 2 | ABB.200.00                  |

## VHM-Torusfräser extra lang

Solid carbide torus mill extra long

Artikel-Nr. ABF...

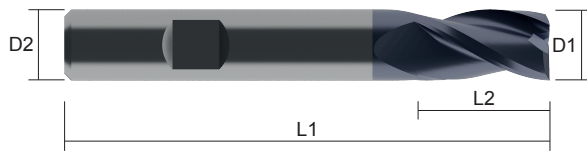


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3  | ER   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|-----|------|---|-----------------------------|
| 6,00     | 6,00     | 25 | 200 | 5,50  | 120 | 0,30 | 2 | ABF.060.00                  |
| 8,00     | 8,00     | 25 | 200 | 7,50  | 120 | 0,30 | 2 | ABF.080.00                  |
| 10,00    | 10,00    | 50 | 200 | 9,50  | 120 | 0,30 | 2 | ABF.100.00                  |
| 12,00    | 12,00    | 50 | 200 | 11,50 | 120 | 0,40 | 2 | ABF.120.00                  |
| 16,00    | 16,00    | 65 | 220 | 15,50 | 150 | 0,40 | 2 | ABF.160.00                  |
| 20,00    | 20,00    | 65 | 250 | 19,50 | 150 | 0,40 | 2 | ABF.200.00                  |

# VHM-Schaftfräser

Solid carbide end mill

Artikel-Nr. CCA...

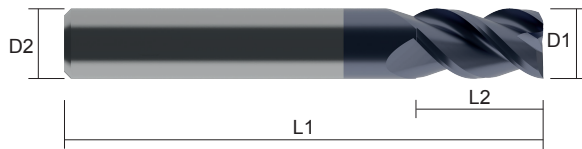


| D1<br>h9 | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|---|-----------------------------|-----|-----|
| 1,00     | 3,00     | 3  | 38  | 3 | CCA.010...                  | .00 | -   |
| 1,50     | 3,00     | 5  | 38  | 3 | CCA.015...                  | .00 | -   |
| 1,80     | 6,00     | 3  | 50  | 3 | CCA.018...                  | -   | .10 |
| 2,00     | 3,00     | 7  | 38  | 3 | CCA.020...                  | .00 | -   |
| 2,50     | 3,00     | 7  | 38  | 3 | CCA.025...                  | .00 | -   |
| 2,80     | 6,00     | 4  | 50  | 3 | CCA.028...                  | -   | .10 |
| 3,00     | 3,00     | 8  | 38  | 3 | CCA.030...                  | .00 | -   |
| 3,50     | 4,00     | 11 | 50  | 3 | CCA.035...                  | .00 | -   |
| 3,80     | 6,00     | 5  | 50  | 3 | CCA.038...                  | -   | .10 |
| 4,00     | 4,00     | 11 | 50  | 3 | CCA.040...                  | .00 | -   |
| 4,50     | 5,00     | 11 | 50  | 3 | CCA.045...                  | .00 | -   |
| 4,80     | 6,00     | 6  | 50  | 3 | CCA.048...                  | -   | .10 |
| 5,00     | 5,00     | 10 | 50  | 3 | CCA.050...                  | .00 | -   |
| 5,50     | 6,00     | 10 | 50  | 3 | CCA.055...                  | .00 | -   |
| 5,80     | 6,00     | 7  | 50  | 3 | CCA.058...                  | -   | .10 |
| 6,00     | 6,00     | 10 | 57  | 3 | CCA.060...                  | .00 | .10 |
| 6,75     | 8,00     | 13 | 63  | 3 | CCA.067...                  | .00 | -   |
| 7,00     | 8,00     | 13 | 63  | 3 | CCA.070...                  | .00 | -   |
| 7,75     | 8,00     | 16 | 63  | 3 | CCA.077...                  | .00 | -   |
| 8,00     | 8,00     | 16 | 63  | 3 | CCA.080...                  | .00 | .10 |
| 9,00     | 10,00    | 16 | 72  | 3 | CCA.090...                  | .00 | -   |
| 9,70     | 10,00    | 19 | 72  | 3 | CCA.097...                  | .00 | -   |
| 10,00    | 10,00    | 22 | 72  | 3 | CCA.100...                  | .00 | .10 |
| 11,00    | 12,00    | 22 | 72  | 3 | CCA.110...                  | .00 | -   |
| 11,70    | 12,00    | 22 | 83  | 3 | CCA.117...                  | .00 | -   |
| 12,00    | 12,00    | 22 | 83  | 3 | CCA.120...                  | .00 | .10 |
| 14,00    | 14,00    | 22 | 83  | 3 | CCA.140...                  | .00 | .10 |
| 16,00    | 16,00    | 26 | 83  | 3 | CCA.160...                  | .00 | .10 |
| 18,00    | 18,00    | 26 | 92  | 3 | CCA.180...                  | .00 | .10 |
| 20,00    | 20,00    | 32 | 104 | 3 | CCA.200...                  | .00 | .10 |

# VHM-Schaftfräser kurz

Solid carbide end mill short

Artikel-Nr. CEA...

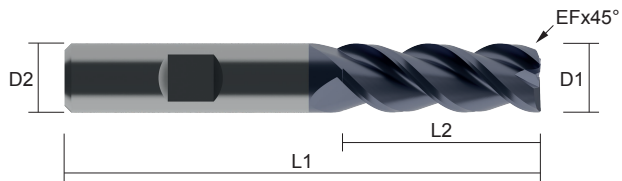


| D1<br>h9 | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. | BLANK | TIALN |
|----------|----------|----|-----|---|-----------------------------|-------|-------|
| 1,00     | 6,00     | 4  | 57  | 3 | CEA.010...                  | -     | .00   |
| 1,50     | 6,00     | 4  | 57  | 3 | CEA.015...                  | -     | .00   |
| 2,00     | 6,00     | 6  | 57  | 3 | CEA.020...                  | .09   | .00   |
| 2,50     | 6,00     | 6  | 57  | 3 | CEA.025...                  | .09   | .00   |
| 3,00     | 6,00     | 7  | 57  | 3 | CEA.030...                  | .09   | .00   |
| 3,50     | 6,00     | 8  | 57  | 3 | CEA.035...                  | -     | .00   |
| 4,00     | 6,00     | 8  | 57  | 3 | CEA.040...                  | .09   | .00   |
| 4,50     | 6,00     | 10 | 57  | 3 | CEA.045...                  | .09   | .00   |
| 5,00     | 6,00     | 10 | 57  | 3 | CEA.050...                  | .09   | .00   |
| 5,50     | 6,00     | 10 | 57  | 3 | CEA.055...                  | -     | .00   |
| 6,00     | 6,00     | 10 | 57  | 3 | CEA.060...                  | .09   | .00   |
| 6,50     | 8,00     | 16 | 63  | 3 | CEA.065...                  | .09   | .00   |
| 7,00     | 8,00     | 16 | 63  | 3 | CEA.070...                  | .09   | .00   |
| 7,50     | 8,00     | 19 | 63  | 3 | CEA.075...                  | .09   | .00   |
| 8,00     | 8,00     | 19 | 63  | 3 | CEA.080...                  | .09   | .00   |
| 9,00     | 10,00    | 19 | 72  | 3 | CEA.090...                  | -     | .00   |
| 10,00    | 10,00    | 19 | 72  | 3 | CEA.100...                  | .09   | .00   |
| 12,00    | 12,00    | 22 | 83  | 3 | CEA.120...                  | .09   | .00   |
| 14,00    | 14,00    | 22 | 83  | 3 | CEA.140...                  | .09   | .00   |
| 16,00    | 16,00    | 26 | 92  | 3 | CEA.160...                  | .09   | .00   |
| 20,00    | 20,00    | 32 | 104 | 3 | CEA.200...                  | -     | .00   |

# VHM-Schaftfräser lang

Solid carbide end mill long

Artikel-Nr. BBC...

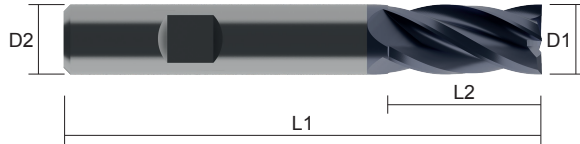


| D1<br>h9 | D2<br>h6 | L2 | L1  | EF   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|------|---|-----------------------------|
| 2,00     | 6,00     | 8  | 57  | 0,05 | 3 | BBC.020.00                  |
| 3,00     | 6,00     | 14 | 57  | 0,05 | 3 | BBC.030.00                  |
| 4,00     | 6,00     | 18 | 57  | 0,10 | 3 | BBC.040.00                  |
| 5,00     | 6,00     | 20 | 57  | 0,10 | 3 | BBC.050.00                  |
| 6,00     | 6,00     | 22 | 57  | 0,10 | 3 | BBC.060.00                  |
| 8,00     | 8,00     | 30 | 63  | 0,15 | 3 | BBC.080.00                  |
| 10,00    | 10,00    | 33 | 72  | 0,15 | 3 | BBC.100.00                  |
| 12,00    | 12,00    | 34 | 83  | 0,20 | 3 | BBC.120.00                  |
| 16,00    | 16,00    | 38 | 92  | 0,20 | 3 | BBC.160.00                  |
| 20,00    | 20,00    | 47 | 104 | 0,30 | 3 | BBC.200.00                  |

# VHM-Schaftfräser kurz

Solid carbide end mill short

Artikel-Nr. AAD...

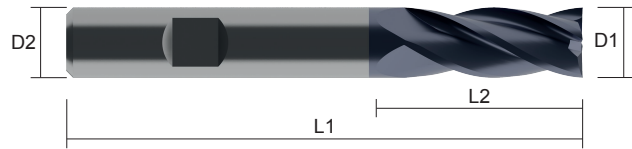


| D1<br>h9 | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|---|-----------------------------|
| 2,00     | 6,00     | 7  | 57  | 4 | AAD.020.00                  |
| 3,00     | 6,00     | 8  | 57  | 4 | AAD.030.00                  |
| 3,50     | 6,00     | 10 | 57  | 4 | AAD.035.00                  |
| 4,00     | 6,00     | 11 | 57  | 4 | AAD.040.00                  |
| 5,00     | 6,00     | 13 | 57  | 4 | AAD.050.00                  |
| 6,00     | 6,00     | 13 | 57  | 4 | AAD.060.00                  |
| 7,00     | 8,00     | 16 | 63  | 4 | AAD.070.00                  |
| 8,00     | 8,00     | 19 | 63  | 4 | AAD.080.00                  |
| 9,00     | 10,00    | 22 | 73  | 4 | AAD.090.00                  |
| 10,00    | 10,00    | 22 | 72  | 4 | AAD.100.00                  |
| 11,00    | 12,00    | 26 | 83  | 4 | AAD.110.00                  |
| 12,00    | 12,00    | 26 | 83  | 4 | AAD.120.00                  |
| 13,00    | 14,00    | 26 | 83  | 4 | AAD.130.00                  |
| 14,00    | 14,00    | 26 | 83  | 4 | AAD.140.00                  |
| 15,00    | 16,00    | 32 | 92  | 4 | AAD.150.00                  |
| 16,00    | 16,00    | 32 | 92  | 4 | AAD.160.00                  |
| 18,00    | 18,00    | 32 | 92  | 4 | AAD.180.00                  |
| 20,00    | 20,00    | 38 | 104 | 4 | AAD.200.00                  |

# VHM-Schaftfräser

Solid carbide end mill

Artikel-Nr. IBD...

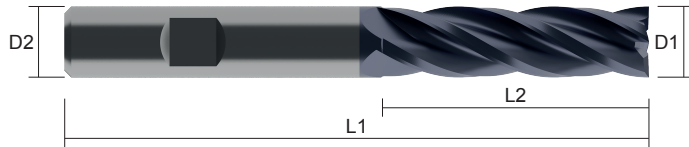


| D1<br>h10 | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|-----------|----------|----|-----|---|-----------------------------|-----|-----|
| 3,00      | 6,00     | 12 | 50  | 4 | IBD.603...                  | .00 | .10 |
| 4,00      | 6,00     | 15 | 50  | 4 | IBD.604...                  | .00 | .10 |
| 5,00      | 6,00     | 20 | 60  | 4 | IBD.605...                  | .00 | .10 |
| 6,00      | 6,00     | 20 | 60  | 4 | IBD.606...                  | .00 | .10 |
| 8,00      | 8,00     | 25 | 70  | 4 | IBD.608...                  | .00 | .10 |
| 10,00     | 10,00    | 30 | 90  | 4 | IBD.610...                  | .00 | .10 |
| 12,00     | 12,00    | 30 | 90  | 4 | IBD.612...                  | .00 | .10 |
| 16,00     | 16,00    | 50 | 110 | 4 | IBD.616...                  | .00 | .10 |
| 20,00     | 20,00    | 55 | 110 | 4 | IBD.620...                  | .00 | .10 |

# VHM-Schaftfräser

Solid carbide end mill

Artikel-Nr. ABD...

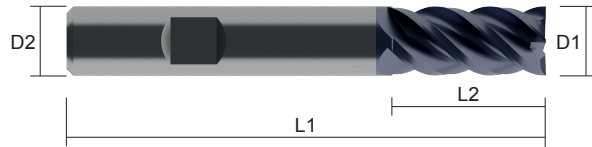


| D1<br>h9 | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|---|-----------------------------|
| 3,00     | 3,00     | 20 | 60  | 4 | ABD.030.00                  |
| 4,00     | 4,00     | 25 | 60  | 4 | ABD.040.00                  |
| 5,00     | 5,00     | 25 | 75  | 4 | ABD.050.00                  |
| 6,00     | 6,00     | 30 | 75  | 4 | ABD.060.00                  |
| 6,00     | 6,00     | 45 | 100 | 4 | ABD.060.02                  |
| 8,00     | 8,00     | 45 | 100 | 4 | ABD.080.00                  |
| 10,00    | 10,00    | 45 | 100 | 4 | ABD.100.00                  |
| 12,00    | 12,00    | 45 | 100 | 4 | ABD.120.00                  |
| 12,00    | 12,00    | 65 | 150 | 4 | ABD.120.02                  |
| 14,00    | 14,00    | 45 | 100 | 4 | ABD.140.00                  |
| 16,00    | 16,00    | 45 | 100 | 4 | ABD.160.00                  |
| 16,00    | 16,00    | 65 | 150 | 4 | ABD.160.02                  |
| 18,00    | 18,00    | 45 | 100 | 4 | ABD.180.00                  |
| 18,00    | 18,00    | 65 | 150 | 4 | ABD.180.02                  |
| 20,00    | 20,00    | 45 | 100 | 4 | ABD.200.00                  |
| 20,00    | 20,00    | 65 | 150 | 4 | ABD.200.02                  |

## VHM-Schaftfräser kurz

Solid carbide end mill short

Artikel-Nr. BAD...

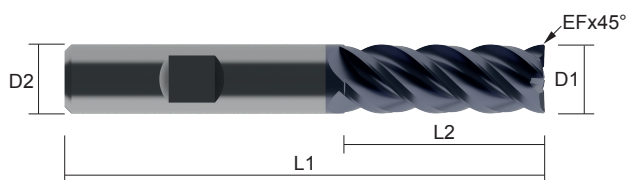


| D1<br>h9 | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|---|-----------------------------|
| 3,00     | 6,00     | 8  | 57  | 4 | BAD.030.00                  |
| 4,00     | 6,00     | 11 | 57  | 4 | BAD.040.00                  |
| 5,00     | 6,00     | 13 | 57  | 4 | BAD.050.00                  |
| 6,00     | 6,00     | 13 | 57  | 4 | BAD.060.00                  |
| 8,00     | 8,00     | 19 | 63  | 4 | BAD.080.00                  |
| 10,00    | 10,00    | 22 | 72  | 4 | BAD.100.00                  |
| 12,00    | 12,00    | 26 | 83  | 4 | BAD.120.00                  |
| 14,00    | 14,00    | 26 | 83  | 4 | BAD.140.00                  |
| 16,00    | 16,00    | 32 | 92  | 4 | BAD.160.00                  |
| 18,00    | 18,00    | 32 | 92  | 4 | BAD.180.00                  |
| 20,00    | 20,00    | 38 | 104 | 4 | BAD.200.00                  |

## VHM-Schaftfräser lang

Solid carbide end mill long

Artikel-Nr. BBD...

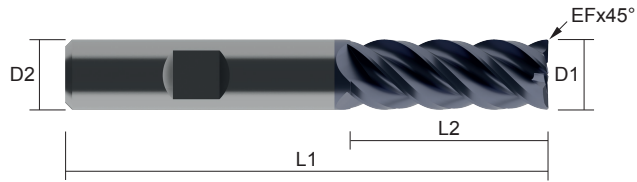


| D1<br>h9 | D2<br>h6 | L2 | L1  | EF   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|------|---|-----------------------------|
| 2,00     | 6,00     | 8  | 57  | 0,05 | 4 | BBD.020.00                  |
| 3,00     | 6,00     | 14 | 57  | 0,05 | 4 | BBD.030.00                  |
| 4,00     | 6,00     | 18 | 57  | 0,10 | 4 | BBD.040.00                  |
| 5,00     | 6,00     | 20 | 57  | 0,10 | 4 | BBD.050.00                  |
| 6,00     | 6,00     | 22 | 57  | 0,10 | 4 | BBD.060.00                  |
| 8,00     | 8,00     | 30 | 63  | 0,15 | 4 | BBD.080.00                  |
| 10,00    | 10,00    | 33 | 72  | 0,15 | 4 | BBD.100.00                  |
| 12,00    | 12,00    | 34 | 83  | 0,20 | 4 | BBD.120.00                  |
| 16,00    | 16,00    | 38 | 92  | 0,20 | 4 | BBD.160.00                  |
| 20,00    | 20,00    | 47 | 104 | 0,30 | 4 | BBD.200.00                  |

# VHM-Schaftfräser

Solid carbide end mill

Artikel-Nr. IBH...



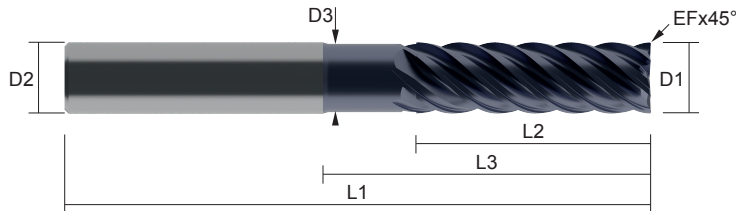
| D1<br>h10 | D2<br>h6 | L2 | L1  | EF   | Z | Artikel-Nr./<br>Article-No. |
|-----------|----------|----|-----|------|---|-----------------------------|
| 2,00      | 6,00     | 8  | 57  | 0,05 | 4 | IBH.002.00                  |
| 3,00      | 6,00     | 14 | 57  | 0,05 | 4 | IBH.003.00                  |
| 4,00      | 6,00     | 18 | 57  | 0,10 | 4 | IBH.004.00                  |
| 5,00      | 6,00     | 20 | 57  | 0,10 | 4 | IBH.005.00                  |
| 6,00      | 6,00     | 22 | 57  | 0,10 | 4 | IBH.006.00                  |
| 8,00      | 8,00     | 30 | 63  | 0,15 | 4 | IBH.008.00                  |
| 10,00     | 10,00    | 33 | 72  | 0,15 | 4 | IBH.100.00                  |
| 12,00     | 12,00    | 34 | 83  | 0,20 | 4 | IBH.120.00                  |
| 16,00     | 16,00    | 38 | 92  | 0,20 | 4 | IBH.160.00                  |
| 20,00     | 20,00    | 47 | 104 | 0,30 | 4 | IBH.200.00                  |

# VHM-Schlichtfräser

Solid carbide finishing mill

**1<sup>ST</sup>**  
**CHOICE**

Artikel-Nr. GCF...



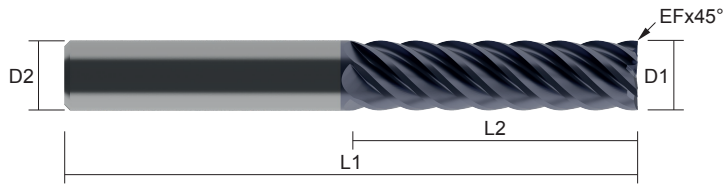
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3  | EF   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|-----|------|---|-----------------------------|
| 3,00     | 6,00     | 8  | 57  | -     | -   | 0,05 | 5 | GCF.030.00                  |
| 3,00     | 6,00     | 8  | 57  | 2,80  | 11  | 0,05 | 5 | GCF.031.00                  |
| 4,00     | 6,00     | 8  | 57  | --    | -   | 0,10 | 6 | GCF.040.00                  |
| 4,00     | 6,00     | 8  | 57  | 3,70  | 16  | 0,10 | 6 | GCF.041.00                  |
| 5,00     | 6,00     | 10 | 57  | -     | -   | 0,10 | 6 | GCF.050.00                  |
| 5,00     | 6,00     | 10 | 57  | 4,70  | 18  | 0,10 | 6 | GCF.051.00                  |
| 6,00     | 6,00     | 13 | 57  | -     | -   | 0,10 | 6 | GCF.060.00                  |
| 6,00     | 6,00     | 22 | 65  | 5,50  | 29  | 0,10 | 6 | GCF.061.00                  |
| 8,00     | 8,00     | 19 | 63  | -     | -   | 0,10 | 6 | GCF.080.00                  |
| 8,00     | 8,00     | 28 | 80  | 7,50  | 44  | 0,10 | 6 | GCF.081.00                  |
| 10,00    | 10,00    | 22 | 72  | -     | -   | 0,10 | 6 | GCF.100.00                  |
| 10,00    | 10,00    | 32 | 100 | 9,50  | 60  | 0,10 | 6 | GCF.101.00                  |
| 12,00    | 12,00    | 26 | 83  | -     | --- | 0,10 | 6 | GCF.120.00                  |
| 12,00    | 12,00    | 40 | 100 | 11,50 | 55  | 0,10 | 6 | GCF.121.00                  |
| 16,00    | 16,00    | 32 | 92  | -     | -   | 0,20 | 6 | GCF.160.00                  |
| 16,00    | 16,00    | 50 | 115 | 15,50 | 67  | 0,20 | 6 | GCF.161.00                  |
| 20,00    | 20,00    | 42 | 104 | -     | -   | 0,20 | 6 | GCF.200.00                  |
| 20,00    | 20,00    | 62 | 125 | 19,50 | 75  | 0,20 | 6 | GCF.201.00                  |
| 25,00    | 25,00    | 42 | 110 | -     | -   | 0,20 | 6 | GCF.250.00                  |

## VHM-Schlichtfräser

Solid carbide finishing mill

1<sup>ST</sup>  
CHOICE

Artikel-Nr. GDF...

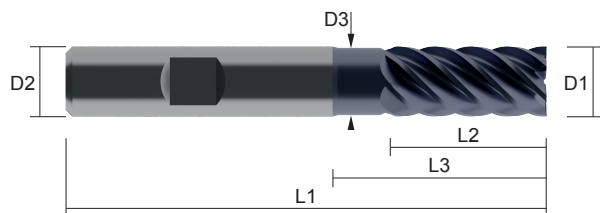


| D1<br>h9 | D2<br>h6 | L2 | L1  | EF   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|------|---|-----------------------------|
| 6,00     | 6,00     | 24 | 65  | 0,10 | 6 | GDF.060.00                  |
| 8,00     | 8,00     | 32 | 73  | 0,10 | 6 | GDF.080.00                  |
| 10,00    | 10,00    | 40 | 90  | 0,10 | 6 | GDF.100.00                  |
| 12,00    | 12,00    | 48 | 100 | 0,10 | 6 | GDF.120.00                  |
| 16,00    | 16,00    | 64 | 123 | 0,20 | 6 | GDF.160.00                  |
| 20,00    | 20,00    | 80 | 140 | 0,20 | 6 | GDF.200.00                  |

## VHM-Schlichtfräser

Solid carbide finishing mill

Artikel-Nr. BZH...

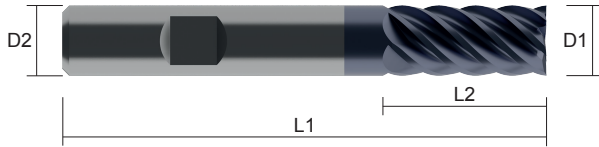


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|----|---|-----------------------------|
| 3,00     | 6,00     | 8  | 57  | 2,70  | 11 | 6 | BZH.030.00                  |
| 4,00     | 6,00     | 11 | 57  | 3,70  | 16 | 6 | BZH.040.00                  |
| 5,00     | 6,00     | 13 | 57  | 4,60  | 18 | 6 | BZH.050.00                  |
| 6,00     | 6,00     | 13 | 57  | 5,50  | 18 | 6 | BZH.060.00                  |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 24 | 6 | BZH.080.00                  |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 6 | BZH.100.00                  |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 36 | 6 | BZH.120.00                  |
| 14,00    | 14,00    | 26 | 83  | 13,50 | 36 | 6 | BZH.140.00                  |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 42 | 6 | BZH.160.00                  |
| 18,00    | 18,00    | 32 | 92  | 17,50 | 42 | 8 | BZH.180.00                  |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 48 | 8 | BZH.200.00                  |
| 25,00    | 25,00    | 45 | 121 | 24,50 | 65 | 8 | BZH.250.00                  |

## VHM-Schlichtfräser

Solid carbide end mill

Artikel-Nr. ICF...

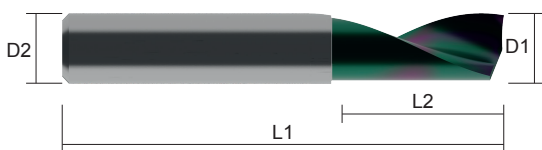


| D1<br>h10 | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|-----------|----------|----|-----|---|-----------------------------|-----|-----|
| 6,00      | 6,00     | 13 | 57  | 6 | ICF.206...                  | .00 | .10 |
| 8,00      | 8,00     | 19 | 63  | 6 | ICF.208...                  | .00 | .10 |
| 10,00     | 10,00    | 22 | 72  | 6 | ICF.210...                  | .00 | .10 |
| 12,00     | 12,00    | 26 | 83  | 6 | ICF.212...                  | .00 | .10 |
| 16,00     | 16,00    | 32 | 92  | 6 | ICF.216...                  | .00 | .10 |
| 16,00     | 16,00    | 65 | 120 | 6 | ICF.21601...                | .00 | .10 |
| 20,00     | 20,00    | 38 | 104 | 8 | ICF.220...                  | .00 | .10 |
| 20,00     | 20,00    | 75 | 135 | 8 | ICF.22001...                | .00 | .10 |

## VHM-Einzahnfräser

Solid carbide single tooth mill

Artikel-Nr. DZ2...



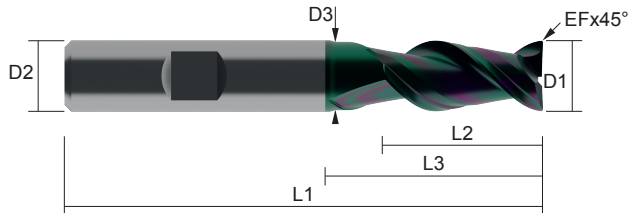
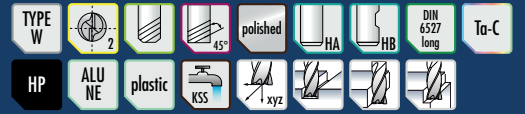
| D1<br>h9 | D2<br>h6 | L2 | L1 | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|----|---|-----------------------------|
| 1,00     | 3,00     | 4  | 50 | 1 | DZ2.010.00                  |
| 1,50     | 3,00     | 6  | 50 | 1 | DZ2.015.00                  |
| 2,00     | 3,00     | 8  | 50 | 1 | DZ2.020.00                  |
| 3,00     | 3,00     | 12 | 50 | 1 | DZ2.030.00                  |
| 4,00     | 4,00     | 15 | 60 | 1 | DZ2.040.00                  |
| 5,00     | 5,00     | 17 | 60 | 1 | DZ2.050.00                  |
| 6,00     | 6,00     | 20 | 65 | 1 | DZ2.060.00                  |
| 8,00     | 8,00     | 22 | 65 | 1 | DZ2.080.00                  |
| 10,00    | 10,00    | 25 | 75 | 1 | DZ2.100.00                  |
| 12,00    | 12,00    | 30 | 80 | 1 | DZ2.120.00                  |

# VHM-Schaftfräser

Solid carbide end mill

**1<sup>ST</sup>**  
**CHOICE**

Artikel-Nr. DZ3...

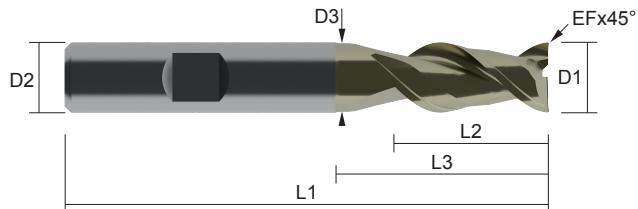


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 0,60     | 6,00     | 2  | 50  | 0,55  | 5  | 0,05 | 2 | DZ3.006...                  | .00 | -   |
| 1,00     | 6,00     | 3  | 50  | 0,90  | 8  | 0,05 | 2 | DZ3.010...                  | .00 | -   |
| 1,50     | 6,00     | 4  | 50  | 1,40  | 10 | 0,05 | 2 | DZ3.015...                  | .00 | -   |
| 2,00     | 6,00     | 6  | 50  | 1,90  | 12 | 0,05 | 2 | DZ3.020...                  | .00 | -   |
| 3,00     | 6,00     | 8  | 57  | 2,90  | 18 | 0,10 | 2 | DZ3.030...                  | .00 | .10 |
| 4,00     | 6,00     | 11 | 57  | 3,90  | 18 | 0,10 | 2 | DZ3.040...                  | .00 | .10 |
| 5,00     | 6,00     | 13 | 57  | 4,90  | 20 | 0,10 | 2 | DZ3.050...                  | .00 | .10 |
| 6,00     | 6,00     | 13 | 57  | 5,80  | 20 | 0,10 | 2 | DZ3.060...                  | .00 | .10 |
| 8,00     | 8,00     | 19 | 63  | 7,80  | 26 | 0,10 | 2 | DZ3.080...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 72  | 9,70  | 29 | 0,20 | 2 | DZ3.100...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,70 | 36 | 0,20 | 2 | DZ3.120...                  | .00 | .10 |
| 14,00    | 14,00    | 26 | 83  | 13,70 | 36 | 0,20 | 2 | DZ3.140...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 92  | 15,70 | 42 | 0,20 | 2 | DZ3.160...                  | .00 | .10 |
| 18,00    | 18,00    | 32 | 92  | 17,70 | 45 | 0,20 | 2 | DZ3.180...                  | .00 | .10 |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 52 | 0,20 | 2 | DZ3.200...                  | .00 | .10 |

# VHM-Schaftfräser

Solid carbide end mill

Artikel-Nr. IDA...



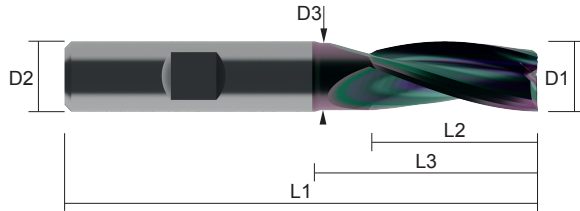
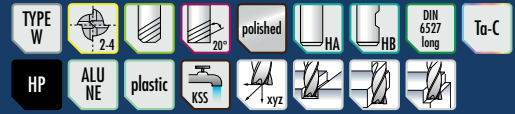
| D1<br>h10 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|-----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 2,00      | 6,00     | 8  | 57  | 1,90  | 16 | 0,05 | 2 | IDA.102...                  | .00 | .10 |
| 3,00      | 6,00     | 8  | 57  | 2,90  | 18 | 0,10 | 2 | IDA.103...                  | .00 | .10 |
| 4,00      | 6,00     | 11 | 57  | 3,90  | 18 | 0,10 | 2 | IDA.104...                  | .00 | .10 |
| 5,00      | 6,00     | 13 | 57  | 4,90  | 20 | 0,10 | 2 | IDA.105...                  | .00 | .10 |
| 6,00      | 6,00     | 13 | 57  | 5,90  | 20 | 0,10 | 2 | IDA.106...                  | .00 | .10 |
| 8,00      | 8,00     | 19 | 63  | 7,70  | 26 | 0,10 | 2 | IDA.108...                  | .00 | .10 |
| 10,00     | 10,00    | 22 | 72  | 9,70  | 29 | 0,10 | 2 | IDA.110...                  | .00 | .10 |
| 12,00     | 12,00    | 26 | 83  | 11,70 | 36 | 0,10 | 2 | IDA.112...                  | .00 | .10 |
| 14,00     | 14,00    | 26 | 83  | 13,70 | 36 | 0,10 | 2 | IDA.114...                  | .00 | .10 |
| 16,00     | 16,00    | 32 | 92  | 15,70 | 42 | 0,10 | 2 | IDA.116...                  | .00 | .10 |
| 18,00     | 18,00    | 32 | 92  | 17,50 | 42 | 0,10 | 2 | IDA.118...                  | .00 | .10 |
| 20,00     | 20,00    | 38 | 104 | 19,50 | 52 | 0,10 | 2 | IDA.120...                  | .00 | .10 |

## VHM-Schaftfräser TSC

Solid carbide end mill TSC

1<sup>ST</sup> CHOICE

Artikel-Nr. EIZ...

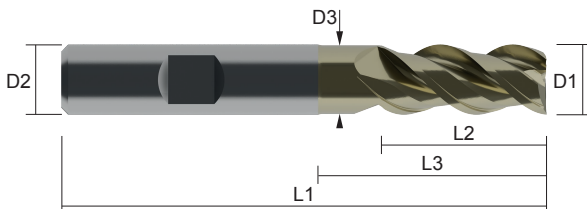


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|---|-----------------------------|-----|-----|
| 3,00     | 3,00     | 11 | 50  | 2,90  | 14 | 2 | EIZ.030...                  | .00 | -   |
| 4,00     | 4,00     | 13 | 54  | 3,70  | 16 | 2 | EIZ.040...                  | .00 | -   |
| 5,00     | 5,00     | 15 | 54  | 4,70  | 18 | 2 | EIZ.050...                  | .00 | -   |
| 6,00     | 6,00     | 16 | 64  | 5,70  | 21 | 2 | EIZ.060...                  | .00 | .10 |
| 8,00     | 8,00     | 22 | 70  | 7,50  | 27 | 2 | EIZ.080...                  | .00 | .10 |
| 10,00    | 10,00    | 25 | 72  | 9,50  | 32 | 2 | EIZ.100...                  | .00 | .10 |
| 12,00    | 12,00    | 28 | 83  | 11,50 | 38 | 3 | EIZ.120...                  | .00 | .10 |
| 14,00    | 14,00    | 30 | 83  | 13,50 | 42 | 3 | EIZ.140...                  | .00 | .10 |
| 16,00    | 16,00    | 36 | 92  | 15,50 | 44 | 3 | EIZ.160...                  | .00 | .10 |
| 18,00    | 18,00    | 36 | 92  | 17,50 | 50 | 3 | EIZ.180...                  | .00 | .10 |
| 20,00    | 20,00    | 41 | 104 | 19,50 | 54 | 4 | EIZ.200...                  | .00 | .10 |
| 25,00    | 25,00    | 43 | 110 | 24,50 | 63 | 4 | EIZ.250...                  | .00 | .10 |

## VHM-Schaftfräser

Solid carbide end mill

Artikel-Nr. IDE...

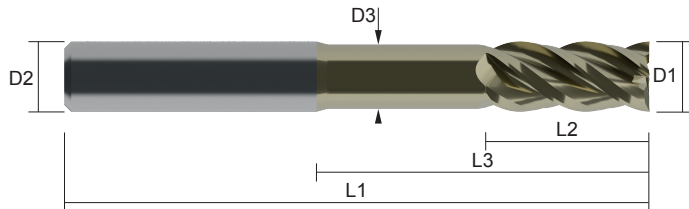


| D1<br>h10 | D2<br>h6 | L2 | L1  | D3    | L3 | Z | Artikel-Nr./<br>Article-No. | HA<br>BLANK | HB<br>BLANK | HA<br>ZrN | HB<br>ZrN |
|-----------|----------|----|-----|-------|----|---|-----------------------------|-------------|-------------|-----------|-----------|
| 3,00      | 6,00     | 12 | 38  | -     | -  | 3 | IDE.030...                  | .00         | .10         | .11       | .19       |
| 4,00      | 6,00     | 15 | 54  | 3,80  | 18 | 3 | IDE.040...                  | .00         | .10         | .11       | .19       |
| 5,00      | 6,00     | 15 | 54  | 4,80  | 18 | 3 | IDE.050...                  | .00         | .10         | .11       | .19       |
| 6,00      | 6,00     | 16 | 57  | 5,80  | 21 | 3 | IDE.060...                  | .00         | .10         | .11       | .19       |
| 8,00      | 8,00     | 22 | 64  | 7,80  | 28 | 3 | IDE.080...                  | .00         | .10         | .11       | .19       |
| 10,00     | 10,00    | 25 | 73  | 9,70  | 33 | 3 | IDE.100...                  | .00         | .10         | .11       | .19       |
| 12,00     | 12,00    | 28 | 84  | 11,70 | 39 | 3 | IDE.120...                  | .00         | .10         | .11       | .19       |
| 16,00     | 16,00    | 35 | 93  | 15,70 | 45 | 3 | IDE.160...                  | .00         | .10         | .11       | .19       |
| 20,00     | 20,00    | 40 | 104 | 19,70 | 54 | 3 | IDE.200...                  | .00         | .10         | .11       | .19       |
| 25,00     | 25,00    | 45 | 121 | 24,00 | 65 | 3 | IDE.250...                  | .00         | .10         | .11       | .19       |

## VHM-Schaftfräser

Solid carbide end mill

Artikel-Nr. DAB...

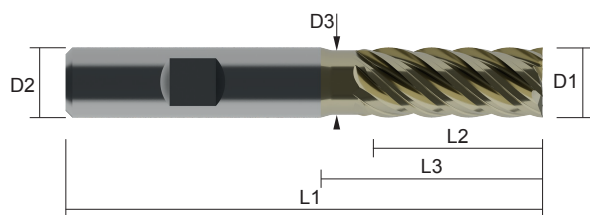


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|----|---|-----------------------------|
| 3,00     | 6,00     | 8  | 70  | 2,70  | 20 | 3 | DAB.030.09                  |
| 4,00     | 6,00     | 11 | 70  | 3,70  | 25 | 3 | DAB.040.09                  |
| 5,00     | 6,00     | 13 | 70  | 4,70  | 30 | 3 | DAB.050.09                  |
| 6,00     | 6,00     | 13 | 70  | 5,70  | 30 | 3 | DAB.060.09                  |
| 8,00     | 8,00     | 20 | 80  | 7,40  | 35 | 3 | DAB.080.09                  |
| 10,00    | 10,00    | 22 | 90  | 9,20  | 45 | 3 | DAB.100.09                  |
| 12,00    | 12,00    | 26 | 100 | 11,00 | 55 | 4 | DAB.120.09                  |
| 16,00    | 16,00    | 36 | 115 | 15,00 | 65 | 4 | DAB.160.09                  |
| 20,00    | 20,00    | 41 | 125 | 19,00 | 75 | 4 | DAB.200.09                  |

## VHM-Schlichtfräser

Solid carbide finishing mill

Artikel-Nr. BDF...

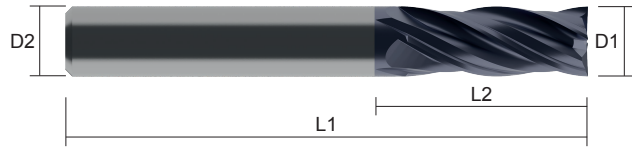


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3  | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|-----|---|-----------------------------|-----|-----|
| 6,00     | 6,00     | 15 | 57  | 5,70  | 20  | 6 | BDF.060...                  | .00 | .10 |
| 6,00     | 6,00     | 15 | 80  | 5,70  | 43  | 6 | BDF.061...                  | .00 | -   |
| 8,00     | 8,00     | 20 | 63  | 7,40  | 26  | 6 | BDF.080...                  | .00 | -   |
| 8,00     | 8,00     | 20 | 100 | 7,40  | 62  | 6 | BDF.081...                  | .00 | -   |
| 10,00    | 10,00    | 25 | 73  | 9,20  | 32  | 6 | BDF.100...                  | .00 | .10 |
| 10,00    | 10,00    | 25 | 100 | 9,20  | 58  | 6 | BDF.101...                  | .00 | -   |
| 12,00    | 12,00    | 30 | 83  | 11,00 | 37  | 6 | BDF.120...                  | .00 | -   |
| 12,00    | 12,00    | 30 | 120 | 11,00 | 73  | 6 | BDF.121...                  | .00 | -   |
| 16,00    | 16,00    | 40 | 93  | 15,00 | 45  | 6 | BDF.160...                  | .00 | .10 |
| 16,00    | 16,00    | 40 | 150 | 15,00 | 100 | 6 | BDF.161...                  | .00 | -   |
| 20,00    | 20,00    | 50 | 104 | 19,00 | 53  | 6 | BDF.200...                  | .00 | .10 |

# VHM-Schaftfräser

Solid carbide end mill

Artikel-Nr. AEZ...



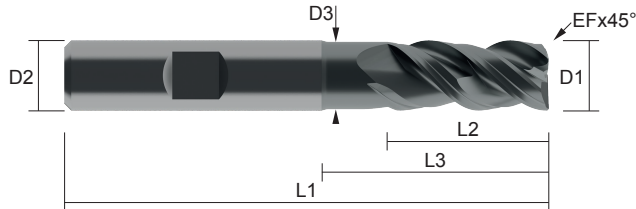
| D1<br>h9 | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|---|-----------------------------|
| 2,00     | 4,00     | 8  | 40  | 4 | AEZ.020.00                  |
| 3,00     | 6,00     | 12 | 50  | 4 | AEZ.030.00                  |
| 4,00     | 6,00     | 15 | 50  | 4 | AEZ.040.00                  |
| 5,00     | 6,00     | 20 | 60  | 4 | AEZ.050.00                  |
| 6,00     | 6,00     | 20 | 60  | 4 | AEZ.060.00                  |
| 8,00     | 8,00     | 25 | 70  | 4 | AEZ.080.00                  |
| 10,00    | 10,00    | 30 | 90  | 4 | AEZ.100.00                  |
| 12,00    | 12,00    | 30 | 90  | 4 | AEZ.120.00                  |
| 16,00    | 16,00    | 50 | 110 | 4 | AEZ.160.00                  |
| 20,00    | 20,00    | 55 | 110 | 4 | AEZ.200.00                  |
| 25,00    | 25,00    | 75 | 140 | 4 | AEZ.250.00                  |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

1<sup>ST</sup>  
CHOICE

Artikel-Nr. BCZ...

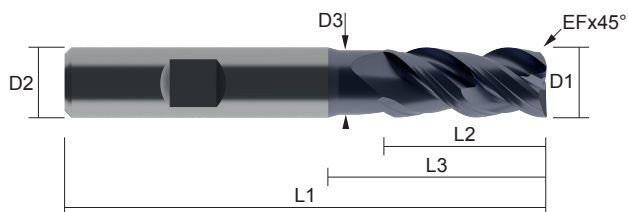
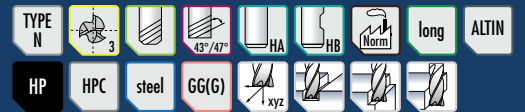


| D1<br>h9 | D2<br>h6 | L2  | L1 | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|-----|----|-------|----|------|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 57  | 8  | -     | -  | 0,06 | 3 | BCZ.031...                  | .00 | .10 |
| 4,00     | 6,00     | 57  | 11 | -     | -  | 0,08 | 3 | BCZ.041...                  | .00 | .10 |
| 5,00     | 6,00     | 57  | 13 | -     | -  | 0,10 | 3 | BCZ.051...                  | .00 | .10 |
| 6,00     | 6,00     | 57  | 13 | 5,50  | 21 | 0,13 | 3 | BCZ.060...                  | .00 | .10 |
| 8,00     | 8,00     | 63  | 19 | 7,50  | 27 | 0,15 | 3 | BCZ.080...                  | .00 | .10 |
| 10,00    | 10,00    | 72  | 22 | 9,50  | 32 | 0,20 | 3 | BCZ.100...                  | .00 | .10 |
| 12,00    | 12,00    | 83  | 26 | 11,50 | 38 | 0,25 | 3 | BCZ.120...                  | .00 | .10 |
| 16,00    | 16,00    | 92  | 32 | 15,50 | 44 | 0,35 | 3 | BCZ.160...                  | .00 | .10 |
| 20,00    | 20,00    | 104 | 38 | 19,50 | 54 | 0,40 | 3 | BCZ.200...                  | .00 | .10 |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

Artikel-Nr. BDC...



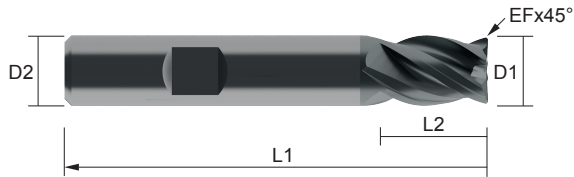
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 8  | 57  | 2,80  | 11 | 0,05 | 3 | BDC.031...                  | .00 | .10 |
| 4,00     | 6,00     | 11 | 57  | 3,70  | 16 | 0,05 | 3 | BDC.041...                  | .00 | .10 |
| 5,00     | 6,00     | 13 | 57  | 4,70  | 18 | 0,08 | 3 | BDC.051...                  | .00 | .10 |
| 6,00     | 6,00     | 13 | 57  | 5,60  | 18 | 0,08 | 3 | BDC.061...                  | .00 | .10 |
| 7,00     | 8,00     | 16 | 63  | 6,50  | 24 | 0,08 | 3 | BDC.071...                  | .00 | .10 |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 24 | 0,10 | 3 | BDC.081...                  | .00 | .10 |
| 9,00     | 10,00    | 19 | 72  | 8,50  | 24 | 0,10 | 3 | BDC.091...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 0,10 | 3 | BDC.101...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,00 | 36 | 0,15 | 3 | BDC.121...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 92  | 15,00 | 42 | 0,20 | 3 | BDC.161...                  | .00 | .10 |
| 20,00    | 20,00    | 38 | 104 | 19,00 | 50 | 0,20 | 3 | BDC.201...                  | .00 | .10 |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

1<sup>ST</sup>  
CHOICE

Artikel-Nr. BCA...

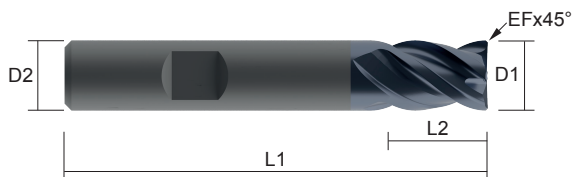


| D1<br>h9 | D2<br>h6 | L2 | L1 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|----|------|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 6  | 54 | 0,06 | 4 | BCA.030...                  | .00 | .10 |
| 4,00     | 6,00     | 8  | 54 | 0,08 | 4 | BCA.040...                  | .00 | .10 |
| 5,00     | 6,00     | 9  | 54 | 0,10 | 4 | BCA.050...                  | .00 | .10 |
| 6,00     | 6,00     | 10 | 54 | 0,13 | 4 | BCA.060...                  | .00 | .10 |
| 8,00     | 8,00     | 12 | 58 | 0,15 | 4 | BCA.080...                  | .00 | .10 |
| 10,00    | 10,00    | 14 | 66 | 0,20 | 4 | BCA.100...                  | .00 | .10 |
| 12,00    | 12,00    | 16 | 73 | 0,25 | 4 | BCA.120...                  | .00 | .10 |
| 16,00    | 16,00    | 22 | 82 | 0,35 | 4 | BCA.160...                  | .00 | .10 |
| 20,00    | 20,00    | 26 | 92 | 0,40 | 4 | BCA.200...                  | .00 | .10 |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

Artikel-Nr. HCA...

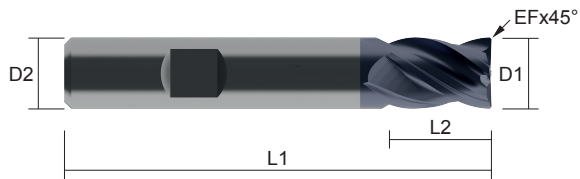


| D1<br>h9 | D2<br>h6 | L2 | L1 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|----|------|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 6  | 54 | 0,10 | 4 | HCA.030...                  | .00 | .10 |
| 4,00     | 6,00     | 8  | 54 | 0,13 | 4 | HCA.040...                  | .00 | .10 |
| 5,00     | 6,00     | 9  | 54 | 0,18 | 4 | HCA.050...                  | .00 | .10 |
| 6,00     | 6,00     | 10 | 54 | 0,20 | 4 | HCA.060...                  | .00 | .10 |
| 7,00     | 8,00     | 12 | 58 | 0,20 | 4 | HCA.070...                  | .00 | .10 |
| 8,00     | 8,00     | 12 | 58 | 0,20 | 4 | HCA.080...                  | .00 | .10 |
| 9,00     | 10,00    | 14 | 66 | 0,30 | 4 | HCA.090...                  | .00 | .10 |
| 10,00    | 10,00    | 14 | 66 | 0,30 | 4 | HCA.100...                  | .00 | .10 |
| 11,00    | 12,00    | 16 | 73 | 0,30 | 4 | HCA.110...                  | .00 | .10 |
| 12,00    | 12,00    | 16 | 73 | 0,30 | 4 | HCA.120...                  | .00 | .10 |
| 13,00    | 14,00    | 18 | 75 | 0,30 | 4 | HCA.130...                  | .00 | .10 |
| 14,00    | 14,00    | 18 | 75 | 0,30 | 4 | HCA.140...                  | .00 | .10 |
| 16,00    | 16,00    | 22 | 82 | 0,40 | 4 | HCA.160...                  | .00 | .10 |
| 18,00    | 18,00    | 24 | 84 | 0,40 | 4 | HCA.180...                  | .00 | .10 |
| 20,00    | 20,00    | 26 | 92 | 0,50 | 4 | HCA.200...                  | .00 | .10 |

# VHM-Schaftfräser HPC

Solid carbide end mill HPC

Artikel-Nr. GCA...

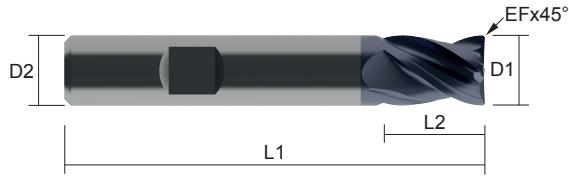


| D1<br>h9 | D2<br>h6 | L2 | L1 | EF   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|----|------|---|-----------------------------|
| 3,00     | 6,00     | 6  | 54 | 0,10 | 4 | GCA.030.00                  |
| 4,00     | 6,00     | 8  | 54 | 0,13 | 4 | GCA.040.00                  |
| 5,00     | 6,00     | 9  | 54 | 0,18 | 4 | GCA.050.00                  |
| 5,50     | 6,00     | 10 | 54 | 0,20 | 4 | GCA.055.00                  |
| 6,00     | 6,00     | 10 | 54 | 0,20 | 4 | GCA.060.00                  |
| 7,00     | 8,00     | 12 | 58 | 0,20 | 4 | GCA.070.00                  |
| 7,50     | 8,00     | 12 | 58 | 0,20 | 4 | GCA.075.00                  |
| 8,00     | 8,00     | 12 | 58 | 0,20 | 4 | GCA.080.00                  |
| 9,00     | 10,00    | 14 | 66 | 0,30 | 4 | GCA.090.00                  |
| 9,50     | 10,00    | 14 | 66 | 0,30 | 4 | GCA.095.00                  |
| 10,00    | 10,00    | 14 | 66 | 0,30 | 4 | GCA.100.00                  |
| 11,00    | 12,00    | 16 | 73 | 0,30 | 4 | GCA.110.00                  |
| 11,50    | 12,00    | 16 | 73 | 0,30 | 4 | GCA.115.00                  |
| 12,00    | 12,00    | 16 | 73 | 0,30 | 4 | GCA.120.00                  |
| 13,00    | 14,00    | 18 | 75 | 0,30 | 4 | GCA.130.00                  |
| 13,50    | 14,00    | 18 | 75 | 0,30 | 4 | GCA.135.00                  |
| 14,00    | 14,00    | 18 | 75 | 0,30 | 4 | GCA.140.00                  |
| 15,50    | 16,00    | 22 | 82 | 0,30 | 4 | GCA.155.00                  |
| 16,00    | 16,00    | 22 | 82 | 0,40 | 4 | GCA.160.00                  |
| 17,50    | 18,00    | 24 | 84 | 0,40 | 4 | GCA.175.00                  |
| 18,00    | 18,00    | 24 | 84 | 0,40 | 4 | GCA.180.00                  |
| 19,50    | 20,00    | 26 | 92 | 0,40 | 4 | GCA.195.00                  |
| 20,00    | 20,00    | 26 | 92 | 0,50 | 4 | GCA.200.00                  |
| 25,00    | 25,00    | 32 | 92 | 0,50 | 4 | GCA.250.00                  |

# VHM-Schaftfräser HPC

Solid carbide end mill HPC

Artikel-Nr. GD1...

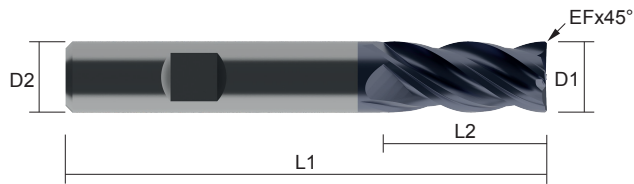


| D1<br>h9 | D2<br>h6 | L2 | L1 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|----|------|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 6  | 54 | 0,10 | 4 | GD1.030...                  | .00 | .10 |
| 4,00     | 6,00     | 8  | 54 | 0,13 | 4 | GD1.040...                  | .00 | .10 |
| 5,00     | 6,00     | 9  | 54 | 0,18 | 4 | GD1.050...                  | .00 | .10 |
| 6,00     | 6,00     | 10 | 54 | 0,20 | 4 | GD1.060...                  | .00 | .10 |
| 8,00     | 8,00     | 12 | 58 | 0,20 | 4 | GD1.080...                  | .00 | .10 |
| 10,00    | 10,00    | 14 | 66 | 0,20 | 4 | GD1.100...                  | .00 | .10 |
| 12,00    | 12,00    | 16 | 73 | 0,30 | 4 | GD1.120...                  | .00 | .10 |
| 14,00    | 14,00    | 18 | 75 | 0,30 | 4 | GD1.140...                  | .00 | .10 |
| 16,00    | 16,00    | 22 | 82 | 0,30 | 4 | GD1.160...                  | .00 | .10 |
| 18,00    | 18,00    | 24 | 84 | 0,40 | 4 | GD1.180...                  | .00 | .10 |
| 20,00    | 20,00    | 26 | 92 | 0,40 | 4 | GD1.200...                  | .00 | .10 |

# VHM-Schaftfräser HPC

Solid carbide end mill HPC

Artikel-Nr. GCB...



| D1<br>h9 | D2<br>h6 | L2 | L1  | EF   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|------|---|-----------------------------|
| 3,00     | 6,00     | 8  | 57  | 0,10 | 4 | GCB.030.00                  |
| 4,00     | 6,00     | 11 | 57  | 0,13 | 4 | GCB.040.00                  |
| 5,00     | 6,00     | 13 | 57  | 0,18 | 4 | GCB.050.00                  |
| 6,00     | 6,00     | 13 | 57  | 0,20 | 4 | GCB.060.00                  |
| 7,00     | 8,00     | 19 | 63  | 0,20 | 4 | GCB.070.00                  |
| 8,00     | 8,00     | 19 | 63  | 0,20 | 4 | GCB.080.00                  |
| 9,00     | 10,00    | 22 | 72  | 0,30 | 4 | GCB.090.00                  |
| 10,00    | 10,00    | 22 | 72  | 0,30 | 4 | GCB.100.00                  |
| 11,00    | 12,00    | 26 | 83  | 0,30 | 4 | GCB.110.00                  |
| 12,00    | 12,00    | 26 | 83  | 0,30 | 4 | GCB.120.00                  |
| 13,00    | 14,00    | 26 | 83  | 0,30 | 4 | GCB.130.00                  |
| 14,00    | 14,00    | 26 | 83  | 0,30 | 4 | GCB.140.00                  |
| 16,00    | 16,00    | 32 | 92  | 0,40 | 4 | GCB.160.00                  |
| 18,00    | 18,00    | 32 | 92  | 0,40 | 4 | GCB.180.00                  |
| 20,00    | 20,00    | 38 | 104 | 0,50 | 4 | GCB.200.00                  |
| 25,00    | 25,00    | 38 | 104 | 0,50 | 4 | GCB.250.00                  |

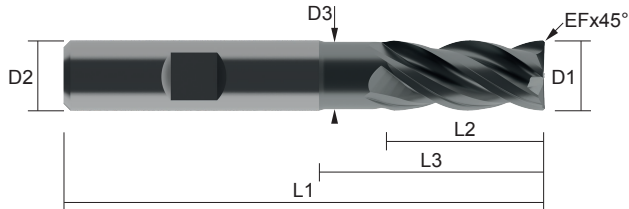
# VHM-Schaftfräser HPC

Solid carbide end mill HPC

**1<sup>ST</sup>**  
**CHOICE**

Artikel-Nr. BCC...

|             |     |         |       |     |                     |       |
|-------------|-----|---------|-------|-----|---------------------|-------|
| TYPE<br>N-H | 4   | 33°/38° | HA    | HB  | DIN<br>6327<br>long | VRC-P |
| HP          | HPC | steel   | GG(G) | xyz | 45°                 |       |

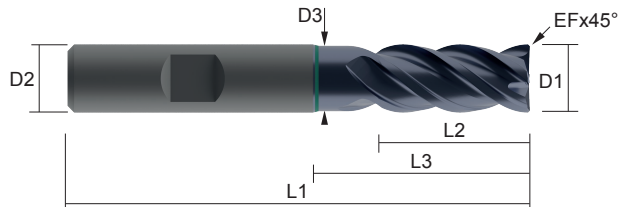


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 8  | 57  | 2,80  | 18 | 0,06 | 4 | BCC.030...                  | .00 | .10 |
| 3,00     | 6,00     | 8  | 57  | -     | -  | 0,06 | 4 | BCC.031...                  | .00 | .10 |
| 4,00     | 6,00     | 11 | 57  | 3,60  | 21 | 0,08 | 4 | BCC.040...                  | .00 | .10 |
| 4,00     | 6,00     | 11 | 57  | -     | -  | 0,08 | 4 | BCC.041...                  | .00 | .10 |
| 5,00     | 6,00     | 13 | 57  | 4,60  | 21 | 0,10 | 4 | BCC.050...                  | .00 | .10 |
| 5,00     | 6,00     | 13 | 57  | -     | -  | 0,10 | 4 | BCC.051...                  | .00 | .10 |
| 6,00     | 6,00     | 13 | 57  | 5,50  | 21 | 0,13 | 4 | BCC.060...                  | .00 | .10 |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 0,15 | 4 | BCC.080...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 0,20 | 4 | BCC.100...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 0,25 | 4 | BCC.120...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 0,35 | 4 | BCC.160...                  | .00 | .10 |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 0,40 | 4 | BCC.200...                  | .00 | .10 |

# VHM-Schaftfräser HPC

Solid carbide end mill HPC

Artikel-Nr. HCC...

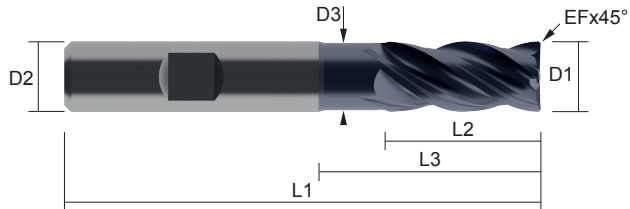


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 8  | 57  | 2,80  | 18 | 0,10 | 4 | HCC.030...                  | .00 | .10 |
| 4,00     | 6,00     | 11 | 57  | 3,60  | 21 | 0,13 | 4 | HCC.040...                  | .00 | .10 |
| 5,00     | 6,00     | 13 | 57  | 4,60  | 21 | 0,18 | 4 | HCC.050...                  | .00 | .10 |
| 6,00     | 6,00     | 13 | 57  | 5,50  | 21 | 0,20 | 4 | HCC.060...                  | .00 | .10 |
| 7,00     | 8,00     | 19 | 63  | 6,50  | 27 | 0,20 | 4 | HCC.070...                  | .00 | .10 |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 0,20 | 4 | HCC.080...                  | .00 | .10 |
| 9,00     | 10,00    | 22 | 72  | 8,50  | 32 | 0,30 | 4 | HCC.090...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 0,30 | 4 | HCC.100...                  | .00 | .10 |
| 11,00    | 12,00    | 26 | 83  | 10,50 | 38 | 0,30 | 4 | HCC.110...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 0,30 | 4 | HCC.120...                  | .00 | .10 |
| 13,00    | 14,00    | 26 | 83  | 12,50 | 42 | 0,30 | 4 | HCC.130...                  | .00 | .10 |
| 14,00    | 14,00    | 26 | 83  | 13,50 | 42 | 0,30 | 4 | HCC.140...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 0,40 | 4 | HCC.160...                  | .00 | .10 |
| 18,00    | 18,00    | 32 | 100 | 17,50 | 50 | 0,40 | 4 | HCC.180...                  | .00 | .10 |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 0,50 | 4 | HCC.200...                  | .00 | .10 |

# VHM-Schaftfräser HPC

Solid carbide end mill HPC

Artikel-Nr. GCC...

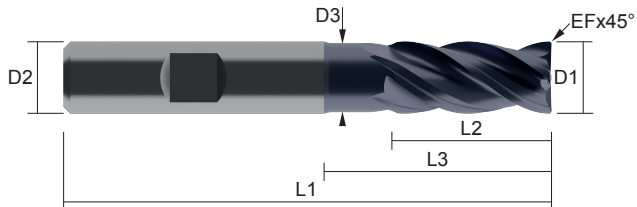


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 8  | 57  | 2,80  | 18 | 0,10 | 4 | GCC.030...                  | .00 | .99 |
| 4,00     | 6,00     | 11 | 57  | 3,60  | 21 | 0,13 | 4 | GCC.040...                  | .00 | .99 |
| 5,00     | 6,00     | 13 | 57  | 4,60  | 21 | 0,18 | 4 | GCC.050...                  | .00 | .99 |
| 6,00     | 6,00     | 13 | 57  | 5,50  | 21 | 0,20 | 4 | GCC.060...                  | .00 | .99 |
| 7,00     | 8,00     | 19 | 63  | 6,50  | 27 | 0,20 | 4 | GCC.070...                  | .00 | .99 |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 0,20 | 4 | GCC.080...                  | .00 | .99 |
| 9,00     | 10,00    | 22 | 72  | 8,50  | 32 | 0,30 | 4 | GCC.090...                  | .00 | .99 |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 0,30 | 4 | GCC.100...                  | .00 | .99 |
| 11,00    | 12,00    | 26 | 83  | 10,50 | 38 | 0,30 | 4 | GCC.110...                  | .00 | .99 |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 0,30 | 4 | GCC.120...                  | .00 | .99 |
| 13,00    | 14,00    | 26 | 83  | 12,50 | 42 | 0,30 | 4 | GCC.130...                  | .00 | .99 |
| 14,00    | 14,00    | 26 | 83  | 13,50 | 42 | 0,30 | 4 | GCC.140...                  | .00 | .99 |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 0,40 | 4 | GCC.160...                  | .00 | .99 |
| 18,00    | 18,00    | 32 | 100 | 17,50 | 50 | 0,40 | 4 | GCC.180...                  | .00 | .99 |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 0,50 | 4 | GCC.200...                  | .00 | .99 |
| 25,00    | 25,00    | 42 | 121 | 24,00 | 65 | 0,50 | 4 | GCC.250...                  | .00 | .99 |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

Artikel-Nr. GD3...

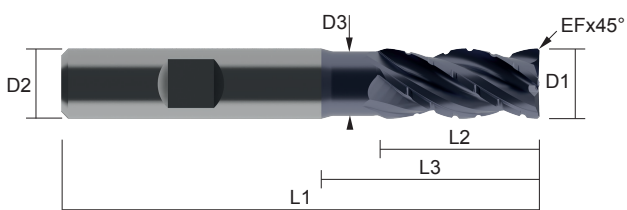


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 8  | 57  | 2,80  | 18 | 0,13 | 4 | GD3.030...                  | .00 | .10 |
| 4,00     | 6,00     | 11 | 57  | 3,60  | 21 | 0,13 | 4 | GD3.040...                  | .00 | .10 |
| 5,00     | 6,00     | 13 | 57  | 4,60  | 21 | 0,20 | 4 | GD3.050...                  | .00 | .10 |
| 6,00     | 6,00     | 13 | 57  | 5,50  | 21 | 0,20 | 4 | GD3.060...                  | .00 | .10 |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 0,20 | 4 | GD3.080...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 0,20 | 4 | GD3.100...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 0,30 | 4 | GD3.120...                  | .00 | .10 |
| 14,00    | 14,00    | 26 | 83  | 13,50 | 42 | 0,30 | 4 | GD3.140...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 0,30 | 4 | GD3.160...                  | .00 | .10 |
| 18,00    | 18,00    | 32 | 92  | 17,50 | 50 | 0,40 | 4 | GD3.180...                  | .00 | .10 |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 0,40 | 4 | GD3.200...                  | .00 | .10 |

## VHM-Schruppschlichtfräser HPC

Solid carbide semi-roughing mill HPC

Artikel-Nr. GBG...

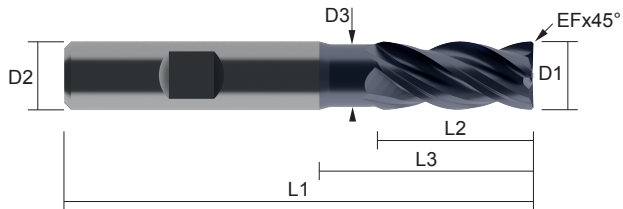


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|
| 4,00     | 6,00     | 11 | 57  | 3,70  | 16 | 0,13 | 4 | GBG.041.10                  |
| 5,00     | 6,00     | 13 | 57  | 4,70  | 18 | 0,18 | 4 | GBG.051.10                  |
| 6,00     | 6,00     | 13 | 57  | 5,60  | 18 | 0,20 | 4 | GBG.061.10                  |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 24 | 0,20 | 4 | GBG.081.10                  |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 0,30 | 4 | GBG.101.10                  |
| 12,00    | 12,00    | 26 | 83  | 11,00 | 36 | 0,30 | 4 | GBG.121.10                  |
| 14,00    | 14,00    | 26 | 83  | 13,00 | 38 | 0,30 | 4 | GBG.141.10                  |
| 16,00    | 16,00    | 32 | 92  | 15,00 | 42 | 0,40 | 4 | GBG.161.10                  |
| 20,00    | 20,00    | 38 | 104 | 19,00 | 48 | 0,50 | 4 | GBG.201.10                  |

# VHM-Schaftfräser HPC

Solid carbide end mill HPC

Artikel-Nr. GBI...

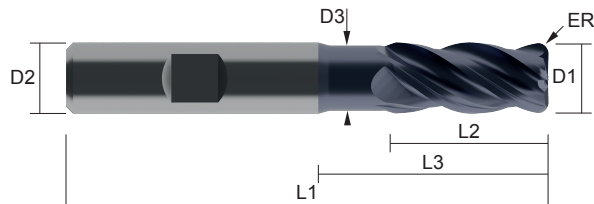


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|
| 6,00     | 6,00     | 13 | 57  | 5,50  | 18 | 0,20 | 4 | GBI.061.10                  |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 24 | 0,20 | 4 | GBI.081.10                  |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 0,30 | 4 | GBI.101.10                  |
| 12,00    | 12,00    | 26 | 83  | 11,00 | 36 | 0,30 | 4 | GBI.121.10                  |
| 16,00    | 16,00    | 32 | 92  | 15,00 | 42 | 0,40 | 4 | GBI.161.10                  |
| 20,00    | 20,00    | 38 | 104 | 19,00 | 48 | 0,50 | 4 | GBI.201.10                  |

# VHM-Torusfräser HPC

Solid carbide torus mill HPC

Artikel-Nr. GCD...



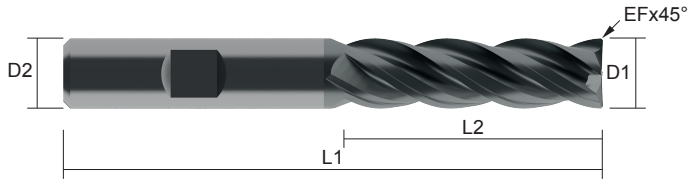
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | ER   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|
| 4,00     | 6,00     | 11 | 57  | 3,70  | 21 | 0,25 | 4 | GCD.040.10                  |
| 4,00     | 6,00     | 11 | 57  | 3,70  | 21 | 0,50 | 4 | GCD.041.10                  |
| 4,00     | 6,00     | 11 | 57  | 3,70  | 21 | 1,00 | 4 | GCD.042.10                  |
| 5,00     | 6,00     | 13 | 57  | 4,70  | 21 | 0,50 | 4 | GCD.050.10                  |
| 5,00     | 6,00     | 13 | 57  | 4,70  | 21 | 1,00 | 4 | GCD.051.10                  |
| 5,00     | 6,00     | 13 | 57  | 4,70  | 21 | 1,50 | 4 | GCD.052.10                  |
| 6,00     | 6,00     | 13 | 57  | 5,50  | 21 | 0,50 | 4 | GCD.060.10                  |
| 6,00     | 6,00     | 13 | 57  | 5,50  | 21 | 1,00 | 4 | GCD.061.10                  |
| 6,00     | 6,00     | 13 | 57  | 5,50  | 21 | 1,50 | 4 | GCD.062.10                  |
| 6,00     | 6,00     | 13 | 57  | 5,50  | 21 | 2,00 | 4 | GCD.063.10                  |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 0,50 | 4 | GCD.080.10                  |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 1,00 | 4 | GCD.081.10                  |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 1,50 | 4 | GCD.082.10                  |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 2,00 | 4 | GCD.083.10                  |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 0,50 | 4 | GCD.100.10                  |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 1,00 | 4 | GCD.101.10                  |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 1,50 | 4 | GCD.102.10                  |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 2,00 | 4 | GCD.103.10                  |
| 12,00    | 12,00    | 26 | 83  | 11,00 | 38 | 0,50 | 4 | GCD.120.10                  |
| 12,00    | 12,00    | 26 | 83  | 11,00 | 38 | 1,00 | 4 | GCD.121.10                  |
| 12,00    | 12,00    | 26 | 83  | 11,00 | 38 | 1,50 | 4 | GCD.122.10                  |
| 12,00    | 12,00    | 26 | 83  | 11,00 | 38 | 2,00 | 4 | GCD.123.10                  |
| 14,00    | 14,00    | 26 | 83  | 13,00 | 38 | 1,00 | 4 | GCD.140.10                  |
| 14,00    | 14,00    | 26 | 83  | 13,00 | 38 | 2,00 | 4 | GCD.141.10                  |
| 16,00    | 16,00    | 32 | 92  | 15,00 | 44 | 1,00 | 4 | GCD.160.10                  |
| 16,00    | 16,00    | 32 | 92  | 15,00 | 44 | 1,50 | 4 | GCD.161.10                  |
| 16,00    | 16,00    | 32 | 92  | 15,00 | 44 | 2,00 | 4 | GCD.162.10                  |
| 16,00    | 16,00    | 32 | 92  | 15,00 | 44 | 2,50 | 4 | GCD.163.10                  |
| 18,00    | 18,00    | 32 | 92  | 17,00 | 44 | 1,50 | 4 | GCD.180.10                  |
| 18,00    | 18,00    | 32 | 92  | 17,00 | 44 | 2,50 | 4 | GCD.181.10                  |
| 20,00    | 20,00    | 38 | 104 | 19,00 | 54 | 1,00 | 4 | GCD.200.10                  |
| 20,00    | 20,00    | 38 | 104 | 19,00 | 54 | 1,50 | 4 | GCD.201.10                  |
| 20,00    | 20,00    | 38 | 104 | 19,00 | 54 | 2,00 | 4 | GCD.202.10                  |
| 20,00    | 20,00    | 38 | 104 | 19,00 | 54 | 2,50 | 4 | GCD.203.10                  |
| 20,00    | 20,00    | 38 | 104 | 19,00 | 54 | 3,00 | 4 | GCD.204.10                  |
| 20,00    | 20,00    | 38 | 104 | 19,00 | 54 | 4,00 | 4 | GCD.205.10                  |
| 20,00    | 20,00    | 38 | 104 | 19,00 | 54 | 5,00 | 4 | GCD.206.10                  |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

1<sup>ST</sup> CHOICE

Artikel-Nr. BCE...



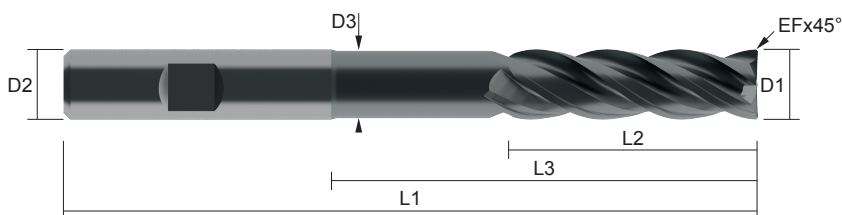
| D1<br>h9 | D2<br>h6 | L2 | L1  | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|------|---|-----------------------------|-----|-----|
| 6,00     | 6,00     | 22 | 62  | 0,13 | 4 | BCE.060...                  | .00 | .10 |
| 8,00     | 8,00     | 28 | 68  | 0,15 | 4 | BCE.080...                  | .00 | .10 |
| 10,00    | 10,00    | 33 | 80  | 0,20 | 4 | BCE.100...                  | .00 | .10 |
| 12,00    | 12,00    | 42 | 93  | 0,25 | 4 | BCE.120...                  | .00 | .10 |
| 16,00    | 16,00    | 53 | 108 | 0,35 | 4 | BCE.160...                  | .00 | .10 |
| 20,00    | 20,00    | 68 | 126 | 0,40 | 4 | BCE.200...                  | .00 | .10 |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

1<sup>ST</sup> CHOICE

Artikel-Nr. BCD...

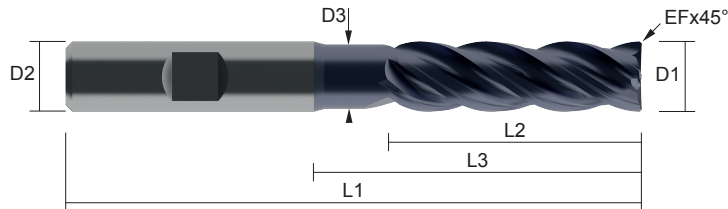


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3  | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|-----|------|---|-----------------------------|-----|-----|
| 6,00     | 6,00     | 22 | 80  | 5,50  | 42  | 0,13 | 4 | BCD.060...                  | .00 | .10 |
| 8,00     | 8,00     | 28 | 100 | 7,50  | 62  | 0,15 | 4 | BCD.080...                  | .00 | .10 |
| 10,00    | 10,00    | 33 | 100 | 9,50  | 58  | 0,20 | 4 | BCD.100...                  | .00 | .10 |
| 12,00    | 12,00    | 42 | 120 | 11,50 | 73  | 0,25 | 4 | BCD.120...                  | .00 | .10 |
| 16,00    | 16,00    | 53 | 150 | 15,50 | 100 | 0,35 | 4 | BCD.160...                  | .00 | .10 |
| 20,00    | 20,00    | 68 | 150 | 19,50 | 98  | 0,40 | 4 | BCD.200...                  | .00 | .10 |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

Artikel-Nr. GBH...

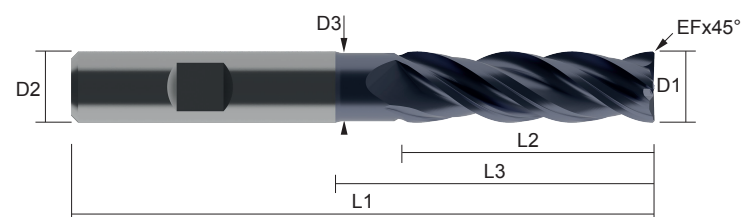


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3  | EF   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|-----|------|---|-----------------------------|
| 5,00     | 6,00     | 21 | 63  | 4,70  | 27  | 0,18 | 4 | GBH.051.10                  |
| 6,00     | 6,00     | 22 | 63  | 5,50  | 27  | 0,20 | 4 | GBH.061.10                  |
| 8,00     | 8,00     | 28 | 80  | 7,50  | 40  | 0,20 | 4 | GBH.081.10                  |
| 10,00    | 10,00    | 33 | 100 | 9,50  | 55  | 0,30 | 4 | GBH.101.10                  |
| 12,00    | 12,00    | 42 | 100 | 11,00 | 55  | 0,30 | 4 | GBH.121.10                  |
| 14,00    | 14,00    | 48 | 100 | 13,00 | 60  | 0,30 | 4 | GBH.141.10                  |
| 16,00    | 16,00    | 53 | 150 | 15,00 | 67  | 0,40 | 4 | GBH.161.10                  |
| 20,00    | 20,00    | 68 | 150 | 19,00 | 85  | 0,50 | 4 | GBH.201.10                  |
| 25,00    | 25,00    | 85 | 165 | 24,00 | 100 | 0,50 | 4 | GBH.251.10                  |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

Artikel-Nr. GB4...



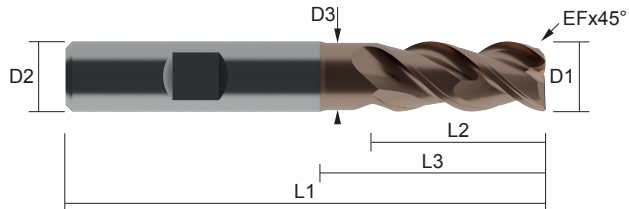
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|
| 6,00     | 6,00     | 22 | 63  | 5,50  | 30 | 0,20 | 4 | GB4.060.10                  |
| 8,00     | 8,00     | 28 | 80  | 7,50  | 36 | 0,20 | 4 | GB4.080.10                  |
| 10,00    | 10,00    | 33 | 100 | 9,50  | 54 | 0,20 | 4 | GB4.100.10                  |
| 12,00    | 12,00    | 42 | 100 | 11,50 | 54 | 0,30 | 4 | GB4.120.10                  |
| 16,00    | 16,00    | 53 | 150 | 15,50 | 69 | 0,30 | 4 | GB4.160.10                  |
| 20,00    | 20,00    | 68 | 150 | 19,50 | 84 | 0,40 | 4 | GB4.200.10                  |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

1<sup>ST</sup> CHOICE

Artikel-Nr. BHE...

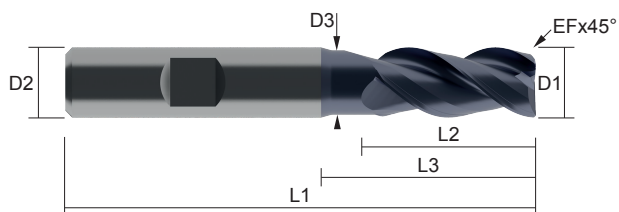


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 8  | 57  | -     | -  | 0,06 | 3 | BHE.031...                  | .00 | .10 |
| 4,00     | 6,00     | 11 | 57  | -     | -  | 0,08 | 3 | BHE.041...                  | .00 | .10 |
| 5,00     | 6,00     | 13 | 57  | -     | -  | 0,10 | 3 | BHE.051...                  | .00 | .10 |
| 6,00     | 6,00     | 13 | 57  | 5,50  | 21 | 0,13 | 3 | BHE.060...                  | .00 | .10 |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 0,15 | 3 | BHE.080...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 0,20 | 3 | BHE.100...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 0,25 | 3 | BHE.120...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 0,35 | 3 | BHE.160...                  | .00 | .10 |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 0,40 | 3 | BHE.200...                  | .00 | .10 |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

Artikel-Nr. IB9...



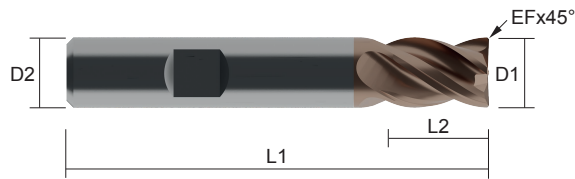
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 8  | 57  | 2,80  | 11 | 0,10 | 3 | IB9.031...                  | .00 | .10 |
| 4,00     | 6,00     | 11 | 57  | 3,70  | 16 | 0,10 | 3 | IB9.041...                  | .00 | .10 |
| 5,00     | 6,00     | 13 | 57  | 4,70  | 18 | 0,15 | 3 | IB9.051...                  | .00 | .10 |
| 6,00     | 6,00     | 13 | 57  | 5,60  | 18 | 0,20 | 3 | IB9.061...                  | .00 | .10 |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 26 | 0,20 | 3 | IB9.081...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 0,20 | 3 | IB9.101...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,00 | 36 | 0,30 | 3 | IB9.121...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 92  | 15,00 | 42 | 0,30 | 3 | IB9.161...                  | .00 | .10 |
| 20,00    | 20,00    | 38 | 104 | 19,00 | 48 | 0,40 | 3 | IB9.201...                  | .00 | .10 |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

1<sup>ST</sup>  
CHOICE

Artikel-Nr. BHG...

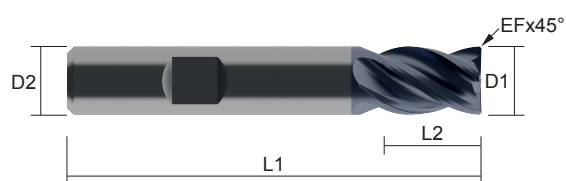


| D1<br>h9 | D2<br>h6 | L2 | L1 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|----|------|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 6  | 54 | 0,06 | 4 | BHG.030...                  | .00 | .10 |
| 4,00     | 6,00     | 8  | 54 | 0,08 | 4 | BHG.040...                  | .00 | .10 |
| 5,00     | 6,00     | 9  | 54 | 0,10 | 4 | BHG.050...                  | .00 | .10 |
| 6,00     | 6,00     | 10 | 54 | 0,13 | 4 | BHG.060...                  | .00 | .10 |
| 8,00     | 8,00     | 12 | 58 | 0,15 | 4 | BHG.080...                  | .00 | .10 |
| 10,00    | 10,00    | 14 | 66 | 0,20 | 4 | BHG.100...                  | .00 | .10 |
| 12,00    | 12,00    | 16 | 73 | 0,25 | 4 | BHG.120...                  | .00 | .10 |
| 16,00    | 16,00    | 22 | 82 | 0,35 | 4 | BHG.160...                  | .00 | .10 |
| 20,00    | 20,00    | 26 | 92 | 0,40 | 4 | BHG.200...                  | .00 | .10 |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

Artikel-Nr. CH8...



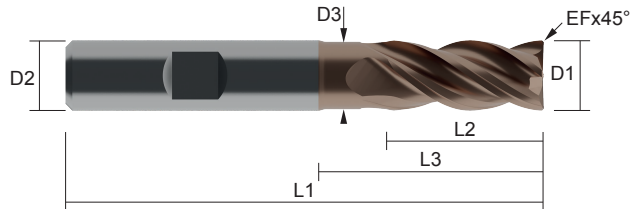
| D1<br>h9 | D2<br>h6 | L2 | L1 | EF   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|----|------|---|-----------------------------|
| 3,00     | 6,00     | 6  | 54 | 0,10 | 4 | CH8.030.10                  |
| 4,00     | 6,00     | 8  | 54 | 0,13 | 4 | CH8.040.10                  |
| 5,00     | 6,00     | 9  | 54 | 0,18 | 4 | CH8.050.10                  |
| 6,00     | 6,00     | 10 | 54 | 0,20 | 4 | CH8.060.10                  |
| 8,00     | 8,00     | 12 | 58 | 0,20 | 4 | CH8.080.10                  |
| 10,00    | 10,00    | 14 | 66 | 0,20 | 4 | CH8.100.10                  |
| 12,00    | 12,00    | 16 | 73 | 0,30 | 4 | CH8.120.10                  |
| 16,00    | 16,00    | 22 | 82 | 0,30 | 4 | CH8.160.10                  |
| 20,00    | 20,00    | 26 | 92 | 0,40 | 4 | CH8.200.10                  |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

1<sup>ST</sup> CHOICE

Artikel-Nr. BHH...



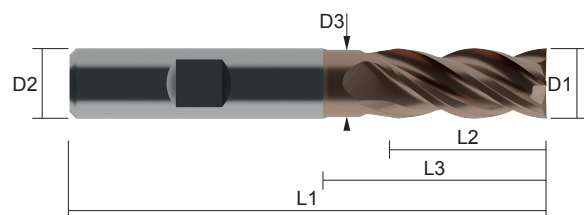
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 8  | 57  | 2,80  | 18 | 0,06 | 4 | BHH.030...                  | .00 | .10 |
| 3,00     | 6,00     | 8  | 57  | -     | -  | 0,06 | 4 | BHH.031...                  | .00 | .10 |
| 4,00     | 6,00     | 11 | 57  | 3,60  | 21 | 0,08 | 4 | BHH.040...                  | .00 | .10 |
| 4,00     | 6,00     | 11 | 57  | -     | -  | 0,08 | 4 | BHH.041...                  | .00 | .10 |
| 5,00     | 6,00     | 13 | 57  | 4,60  | 21 | 0,10 | 4 | BHH.050...                  | .00 | .10 |
| 5,00     | 6,00     | 13 | 57  | -     | -  | 0,10 | 4 | BHH.051...                  | .00 | .10 |
| 6,00     | 6,00     | 13 | 57  | 5,50  | 21 | 0,13 | 4 | BHH.060...                  | .00 | .10 |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 0,15 | 4 | BHH.080...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 0,20 | 4 | BHH.100...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 0,25 | 4 | BHH.120...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 0,35 | 4 | BHH.160...                  | .00 | .10 |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 0,40 | 4 | BHH.200...                  | .00 | .10 |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

1<sup>ST</sup> CHOICE

Artikel-Nr. BHI...



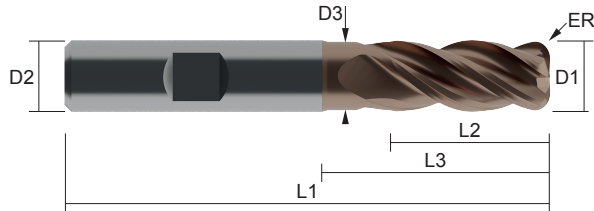
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|---|-----------------------------|-----|-----|
| 6,00     | 6,00     | 13 | 57  | 5,50  | 21 | 4 | BHI.060...                  | .00 | .10 |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 4 | BHI.080...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 4 | BHI.100...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 4 | BHI.120...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 4 | BHI.160...                  | .00 | .10 |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 4 | BHI.200...                  | .00 | .10 |

# VHM-Torusfräser HPC

Solid carbide torus mill HPC

**1<sup>ST</sup>**  
**CHOICE**

Artikel-Nr. BIZ...

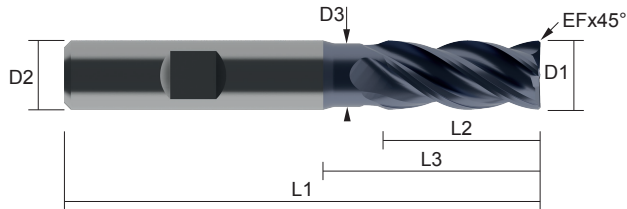


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | ER   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 0,50 | 4 | BIZ.081...                  | .00 | .10 |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 1,00 | 4 | BIZ.082...                  | .00 | .10 |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 1,50 | 4 | BIZ.083...                  | .00 | .10 |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 2,00 | 4 | BIZ.084...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 0,50 | 4 | BIZ.101...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 1,00 | 4 | BIZ.102...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 1,50 | 4 | BIZ.103...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 2,00 | 4 | BIZ.104...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 0,50 | 4 | BIZ.121...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 1,00 | 4 | BIZ.122...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 1,50 | 4 | BIZ.123...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 2,00 | 4 | BIZ.124...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 3,00 | 4 | BIZ.125...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 0,50 | 4 | BIZ.161...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 1,00 | 4 | BIZ.162...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 2,00 | 4 | BIZ.163...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 2,50 | 4 | BIZ.164...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 3,00 | 4 | BIZ.165...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 4,00 | 4 | BIZ.166...                  | .00 | .10 |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 0,50 | 4 | BIZ.201...                  | .00 | .10 |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 1,00 | 4 | BIZ.202...                  | .00 | .10 |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 2,00 | 4 | BIZ.203...                  | .00 | .10 |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 4,00 | 4 | BIZ.204...                  | .00 | .10 |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

Artikel-Nr. CGG...

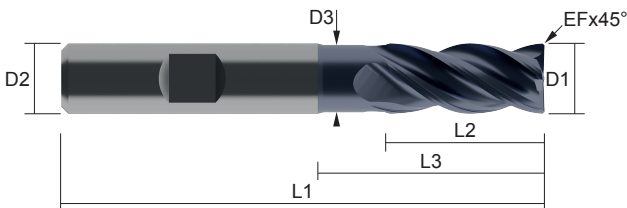


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|
| 4,00     | 6,00     | 12 | 55  | 3,70  | 16 | 0,13 | 4 | CGG.041.10                  |
| 5,00     | 6,00     | 13 | 57  | 4,70  | 18 | 0,20 | 4 | CGG.051.10                  |
| 6,00     | 6,00     | 13 | 57  | 5,60  | 18 | 0,20 | 4 | CGG.061.10                  |
| 8,00     | 8,00     | 16 | 63  | 7,50  | 24 | 0,20 | 4 | CGG.081.10                  |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 0,20 | 4 | CGG.101.10                  |
| 12,00    | 12,00    | 26 | 83  | 11,00 | 36 | 0,30 | 4 | CGG.121.10                  |
| 16,00    | 16,00    | 32 | 92  | 15,00 | 44 | 0,30 | 4 | CGG.161.10                  |
| 20,00    | 20,00    | 38 | 104 | 19,00 | 48 | 0,40 | 4 | CGG.201.10                  |
| 25,00    | 25,00    | 45 | 121 | 24,00 | 55 | 0,50 | 4 | CGG.251.10                  |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

Artikel-Nr. CI0...



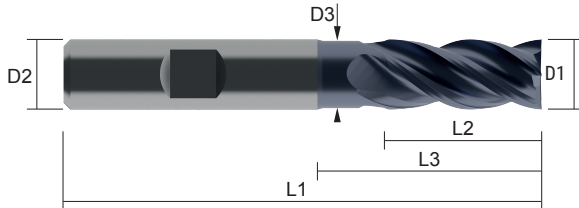
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 8  | 57  | 2,75  | 18 | 0,10 | 4 | CI0.030...                  | .00 | .10 |
| 4,00     | 6,00     | 11 | 57  | 3,50  | 21 | 0,13 | 4 | CI0.040...                  | .00 | .10 |
| 5,00     | 6,00     | 13 | 57  | 4,50  | 21 | 0,20 | 4 | CI0.050...                  | .00 | .10 |
| 6,00     | 6,00     | 13 | 57  | 5,50  | 21 | 0,20 | 4 | CI0.060...                  | .00 | .10 |
| 7,00     | 8,00     | 16 | 63  | 6,50  | 24 | 0,20 | 4 | CI0.070...                  | .00 | .10 |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 0,20 | 4 | CI0.080...                  | .00 | .10 |
| 9,00     | 10,00    | 20 | 72  | 8,50  | 29 | 0,20 | 4 | CI0.090...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 0,20 | 4 | CI0.100...                  | .00 | .10 |
| 11,00    | 12,00    | 24 | 83  | 10,50 | 35 | 0,30 | 4 | CI0.110...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 0,30 | 4 | CI0.120...                  | .00 | .10 |
| 13,00    | 14,00    | 28 | 83  | 12,50 | 40 | 0,30 | 4 | CI0.130...                  | .00 | .10 |
| 14,00    | 14,00    | 30 | 83  | 13,50 | 42 | 0,30 | 4 | CI0.140...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 0,30 | 4 | CI0.160...                  | .00 | .10 |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 0,40 | 4 | CI0.200...                  | .00 | .10 |

# VHM-Schaftfräser HPC

Solid carbide end mill HPC

Artikel-Nr. CI2...

TYPE N
4
35°/38°
HB
DIN 6327 long
VRC
  
HPC
GP
INOX VA
KSS
xy(z)

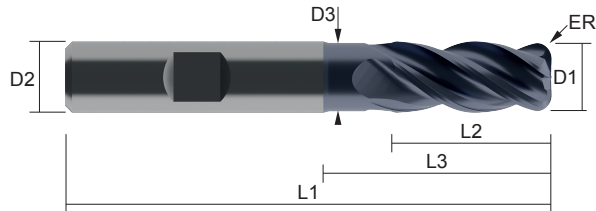


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|----|---|-----------------------------|
| 3,00     | 6,00     | 8  | 57  | 2,75  | 18 | 4 | CI2.030.10                  |
| 4,00     | 6,00     | 11 | 57  | 3,50  | 21 | 4 | CI2.040.10                  |
| 5,00     | 6,00     | 13 | 57  | 4,50  | 21 | 4 | CI2.050.10                  |
| 6,00     | 6,00     | 13 | 57  | 5,50  | 21 | 4 | CI2.060.10                  |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 4 | CI2.080.10                  |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 4 | CI2.100.10                  |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 4 | CI2.120.10                  |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 4 | CI2.160.10                  |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 4 | CI2.200.10                  |

# VHM-Torusfräser HPC

Solid carbide torus mill HPC

Artikel-Nr. CI3...



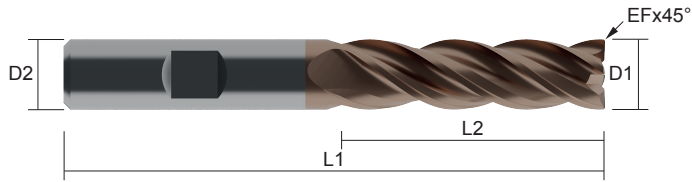
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | ER   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 0,50 | 4 | CI3.081.10                  |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 1,00 | 4 | CI3.082.10                  |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 1,50 | 4 | CI3.083.10                  |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 2,00 | 4 | CI3.084.10                  |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 2,50 | 4 | CI3.085.10                  |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 0,50 | 4 | CI3.101.10                  |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 1,00 | 4 | CI3.102.10                  |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 1,50 | 4 | CI3.103.10                  |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 2,00 | 4 | CI3.104.10                  |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 2,50 | 4 | CI3.105.10                  |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 3,00 | 4 | CI3.106.10                  |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 4,00 | 4 | CI3.107.10                  |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 0,50 | 4 | CI3.121.10                  |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 1,00 | 4 | CI3.122.10                  |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 1,50 | 4 | CI3.123.10                  |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 2,00 | 4 | CI3.124.10                  |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 2,50 | 4 | CI3.125.10                  |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 3,00 | 4 | CI3.126.10                  |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 4,00 | 4 | CI3.127.10                  |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 0,50 | 4 | CI3.161.10                  |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 1,00 | 4 | CI3.162.10                  |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 1,50 | 4 | CI3.163.10                  |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 2,00 | 4 | CI3.164.10                  |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 2,50 | 4 | CI3.165.10                  |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 3,00 | 4 | CI3.166.10                  |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 4,00 | 4 | CI3.167.10                  |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 0,50 | 4 | CI3.201.10                  |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 1,00 | 4 | CI3.202.10                  |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 1,50 | 4 | CI3.203.10                  |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 2,00 | 4 | CI3.204.10                  |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 2,50 | 4 | CI3.205.10                  |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 3,00 | 4 | CI3.206.10                  |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 4,00 | 4 | CI3.207.10                  |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

1<sup>ST</sup>  
CHOICE

Artikel-Nr. BIA...

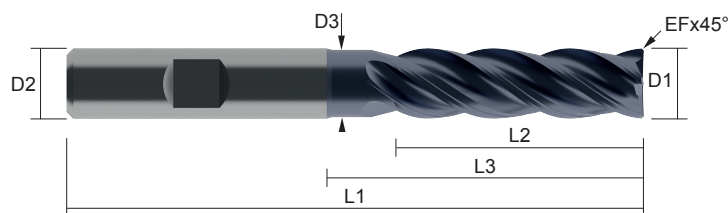


| D1<br>h9 | D2<br>h6 | L2 | L1  | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|------|---|-----------------------------|-----|-----|
| 6,00     | 6,00     | 22 | 62  | 0,13 | 4 | BIA.060.00                  | .00 | .10 |
| 8,00     | 8,00     | 28 | 68  | 0,15 | 4 | BIA.080.00                  | .00 | .10 |
| 10,00    | 10,00    | 33 | 80  | 0,20 | 4 | BIA.100.00                  | .00 | .10 |
| 12,00    | 12,00    | 42 | 93  | 0,25 | 4 | BIA.120.00                  | .00 | .10 |
| 16,00    | 16,00    | 53 | 108 | 0,35 | 4 | BIA.160.00                  | .00 | .10 |
| 20,00    | 20,00    | 68 | 126 | 0,40 | 4 | BIA.200.00                  | .00 | .10 |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

Artikel-Nr. CI5...



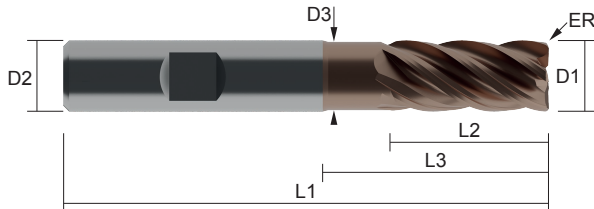
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z    | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|----|------|------|-----------------------------|
| 6,00     | 6,00     | 22 | 63  | 5,50  | 30 | 0,20 | 4,00 | CI5.060.10                  |
| 8,00     | 8,00     | 28 | 80  | 7,50  | 36 | 0,20 | 4,00 | CI5.080.10                  |
| 10,00    | 10,00    | 33 | 100 | 9,50  | 54 | 0,20 | 4,00 | CI5.100.10                  |
| 12,00    | 12,00    | 42 | 100 | 11,50 | 54 | 0,30 | 4,00 | CI5.120.10                  |
| 14,00    | 14,00    | 48 | 100 | 13,50 | 54 | 0,30 | 4,00 | CI5.140.10                  |
| 16,00    | 16,00    | 53 | 150 | 15,50 | 69 | 0,30 | 4,00 | CI5.160.10                  |
| 18,00    | 18,00    | 65 | 150 | 17,50 | 84 | 0,40 | 4,00 | CI5.180.10                  |
| 20,00    | 20,00    | 68 | 150 | 19,50 | 84 | 0,40 | 4,00 | CI5.200.10                  |

## VHM-Torusfräser HPC

Solid carbide torus mill HPC

1<sup>ST</sup> CHOICE

Artikel-Nr. BIE...



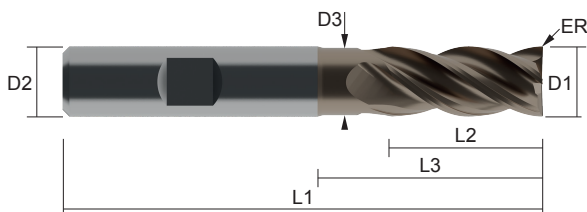
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | ER   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 6,00     | 6,00     | 13 | 63  | 5,50  | 21 | 0,25 | 5 | BIE.060...                  | .00 | .10 |
| 8,00     | 8,00     | 19 | 76  | 7,50  | 27 | 0,50 | 5 | BIE.080...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 76  | 9,50  | 32 | 0,50 | 5 | BIE.100...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 0,75 | 5 | BIE.120...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 100 | 15,50 | 48 | 0,75 | 5 | BIE.161...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 100 | 15,50 | 48 | 2,00 | 5 | BIE.162...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 100 | 15,50 | 48 | 4,00 | 5 | BIE.163...                  | .00 | .10 |
| 20,00    | 20,00    | 38 | 115 | 19,50 | 60 | 1,00 | 5 | BIE.201...                  | .00 | .10 |
| 20,00    | 20,00    | 38 | 115 | 19,50 | 60 | 2,00 | 5 | BIE.202...                  | .00 | .10 |
| 20,00    | 20,00    | 38 | 115 | 19,50 | 60 | 4,00 | 5 | BIE.203...                  | .00 | .10 |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

1<sup>ST</sup> CHOICE

Artikel-Nr. BFF...



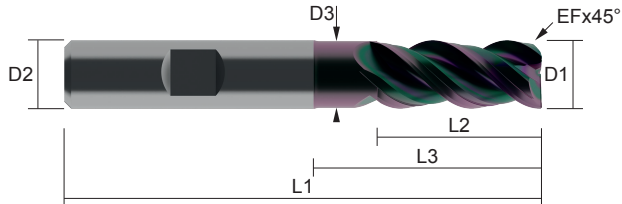
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | ER   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 8  | 57  | -     | -  | 0,10 | 4 | BFF.031...                  | .00 | .10 |
| 4,00     | 6,00     | 11 | 57  | -     | -  | 0,10 | 4 | BFF.041...                  | .00 | .10 |
| 5,00     | 6,00     | 13 | 57  | -     | -  | 0,10 | 4 | BFF.051...                  | .00 | .10 |
| 6,00     | 6,00     | 13 | 57  | 5,50  | 21 | 0,10 | 4 | BFF.060...                  | .00 | .10 |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 0,20 | 4 | BFF.080...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 0,20 | 4 | BFF.100...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 0,20 | 4 | BFF.120...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 0,30 | 4 | BFF.160...                  | .00 | .10 |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 0,30 | 4 | BFF.200...                  | .00 | .10 |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

1<sup>ST</sup> CHOICE

Artikel-Nr. DZ6...



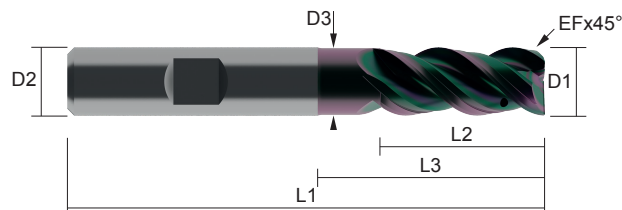
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 12 | 57  | 2,90  | 16 | 0,10 | 3 | DZ6.030...                  | .00 | .10 |
| 4,00     | 6,00     | 12 | 57  | 3,90  | 18 | 0,10 | 3 | DZ6.040...                  | .00 | .10 |
| 5,00     | 6,00     | 15 | 57  | 4,90  | 18 | 0,10 | 3 | DZ6.050...                  | .00 | .10 |
| 6,00     | 6,00     | 15 | 57  | 5,80  | 21 | 0,10 | 3 | DZ6.060...                  | .00 | .10 |
| 8,00     | 8,00     | 22 | 64  | 7,80  | 28 | 0,10 | 3 | DZ6.080...                  | .00 | .10 |
| 10,00    | 10,00    | 25 | 72  | 9,70  | 33 | 0,20 | 3 | DZ6.100...                  | .00 | .10 |
| 12,00    | 12,00    | 28 | 84  | 11,70 | 39 | 0,20 | 3 | DZ6.120...                  | .00 | .10 |
| 14,00    | 14,00    | 32 | 89  | 13,70 | 42 | 0,20 | 3 | DZ6.140...                  | .00 | .10 |
| 16,00    | 16,00    | 35 | 93  | 15,70 | 45 | 0,20 | 3 | DZ6.160...                  | .00 | .10 |
| 20,00    | 20,00    | 41 | 104 | 19,50 | 52 | 0,20 | 3 | DZ6.200...                  | .00 | .10 |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

1<sup>ST</sup> CHOICE

Artikel-Nr. B.DA5...



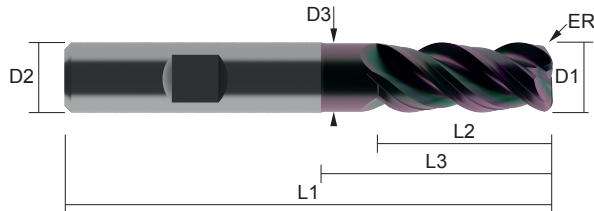
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 12 | 57  | 2,90  | 14 | 0,10 | 3 | B.B.DA5.030...              | .00 | -   |
| 4,00     | 6,00     | 12 | 57  | 3,90  | 15 | 0,10 | 3 | B.DA5.040...                | .00 | -   |
| 5,00     | 6,00     | 15 | 57  | 4,90  | 18 | 0,10 | 3 | B.DA5.050...                | .00 | -   |
| 6,00     | 6,00     | 15 | 57  | 5,80  | 21 | 0,10 | 3 | B.DA5.060...                | .00 | .10 |
| 8,00     | 8,00     | 22 | 64  | 7,80  | 28 | 0,10 | 3 | B.DA5.080...                | .00 | .10 |
| 10,00    | 10,00    | 25 | 73  | 9,70  | 33 | 0,20 | 3 | B.DA5.100...                | .00 | .10 |
| 12,00    | 12,00    | 28 | 84  | 11,70 | 39 | 0,20 | 3 | B.DA5.120...                | .00 | .10 |
| 16,00    | 16,00    | 35 | 93  | 15,70 | 45 | 0,20 | 3 | B.DA5.160...                | .00 | .10 |
| 20,00    | 20,00    | 41 | 104 | 19,50 | 52 | 0,20 | 3 | B.DA5.200...                | .00 | .10 |

# VHM-Torusfräser HPC

Solid carbide end mill HPC

**1<sup>ST</sup>**  
CHOICE

Artikel-Nr. B.DA6...

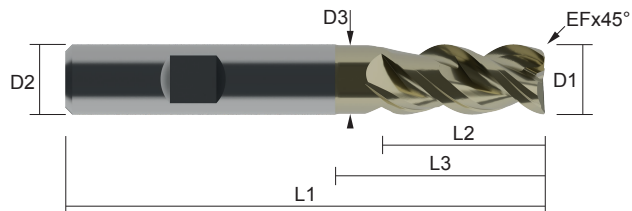


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | ER   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 5,00     | 6,00     | 15 | 57  | 4,90  | 18 | 0,50 | 3 | B.B.DA6.050...              | .00 | .10 |
| 5,00     | 6,00     | 15 | 57  | 4,90  | 18 | 1,00 | 3 | B.DA6.051...                | .00 | .10 |
| 6,00     | 6,00     | 15 | 57  | 5,80  | 21 | 0,50 | 3 | B.DA6.060...                | .00 | .10 |
| 6,00     | 6,00     | 15 | 57  | 5,80  | 21 | 1,00 | 3 | B.DA6.061...                | .00 | .10 |
| 8,00     | 8,00     | 22 | 64  | 7,80  | 28 | 0,50 | 3 | B.DA6.080...                | .00 | .10 |
| 8,00     | 8,00     | 22 | 64  | 7,80  | 28 | 1,00 | 3 | B.DA6.081...                | .00 | .10 |
| 10,00    | 10,00    | 25 | 73  | 9,70  | 33 | 0,50 | 3 | B.DA6.100...                | .00 | .10 |
| 10,00    | 10,00    | 25 | 73  | 9,70  | 33 | 1,00 | 3 | B.DA6.101...                | .00 | .10 |
| 12,00    | 12,00    | 28 | 84  | 11,70 | 39 | 0,50 | 3 | B.DA6.120...                | .00 | .10 |
| 12,00    | 12,00    | 28 | 84  | 11,70 | 39 | 1,00 | 3 | B.DA6.121...                | .00 | .10 |
| 12,00    | 12,00    | 28 | 84  | 11,70 | 39 | 2,00 | 3 | B.DA6.122...                | .00 | .10 |
| 16,00    | 16,00    | 35 | 93  | 15,70 | 45 | 1,00 | 3 | B.DA6.160...                | .00 | .10 |
| 16,00    | 16,00    | 35 | 93  | 15,70 | 45 | 2,00 | 3 | B.DA6.161...                | .00 | .10 |
| 20,00    | 20,00    | 41 | 104 | 19,50 | 52 | 1,00 | 3 | B.DA6.200...                | .00 | .10 |
| 20,00    | 20,00    | 41 | 104 | 19,50 | 52 | 2,00 | 3 | B.DA6.201...                | .00 | .10 |

# VHM-Schaftfräser HPC

Solid carbide end mill HPC

Artikel-Nr. BDD...

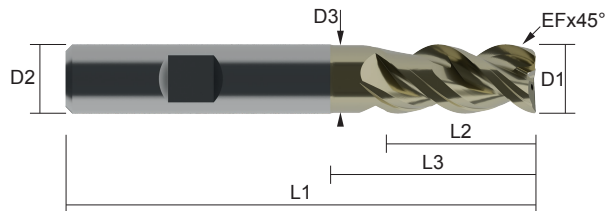


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3  | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|-----|------|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 8  | 57  | 2,80  | 12  | 0,10 | 3 | BDD.030...                  | .00 | .10 |
| 4,00     | 6,00     | 11 | 57  | 3,80  | 18  | 0,10 | 3 | BDD.040...                  | .00 | .10 |
| 5,00     | 6,00     | 13 | 57  | 4,80  | 18  | 0,10 | 3 | BDD.050...                  | .00 | .10 |
| 6,00     | 6,00     | 13 | 57  | 5,80  | 18  | 0,20 | 3 | BDD.060...                  | .00 | .10 |
| 6,00     | 6,00     | 13 | 80  | 5,80  | 42  | 0,20 | 3 | BDD.061...                  | .00 | .10 |
| 8,00     | 8,00     | 21 | 63  | 7,80  | 25  | 0,20 | 3 | BDD.080...                  | .00 | .10 |
| 8,00     | 8,00     | 21 | 100 | 7,80  | 62  | 0,20 | 3 | BDD.081...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 72  | 9,70  | 30  | 0,20 | 3 | BDD.100...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 100 | 9,70  | 58  | 0,20 | 3 | BDD.101...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,70 | 36  | 0,20 | 3 | BDD.120...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 120 | 11,70 | 73  | 0,20 | 3 | BDD.121...                  | .00 | .10 |
| 16,00    | 16,00    | 36 | 92  | 15,70 | 42  | 0,20 | 3 | BDD.160...                  | .00 | .10 |
| 16,00    | 16,00    | 36 | 150 | 15,70 | 100 | 0,20 | 3 | BDD.161...                  | .00 | .10 |
| 18,00    | 18,00    | 36 | 92  | 17,60 | 42  | 0,20 | 3 | BDD.180...                  | .00 | .10 |
| 18,00    | 18,00    | 36 | 150 | 17,60 | 100 | 0,20 | 3 | BDD.181...                  | .00 | .10 |
| 20,00    | 20,00    | 41 | 104 | 19,50 | 52  | 0,20 | 3 | BDD.200...                  | .00 | .10 |
| 20,00    | 20,00    | 41 | 150 | 19,50 | 98  | 0,20 | 3 | BDD.201...                  | .00 | .10 |
| 25,00    | 25,00    | 50 | 121 | 24,50 | 65  | 0,30 | 3 | BDD.250...                  | .00 | .10 |

# VHM-Schaftfräser HPC

Solid carbide end mill HPC

Artikel-Nr. BDG...



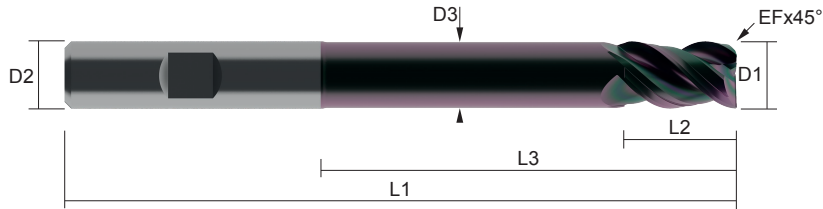
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3  | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|-----|------|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 8  | 57  | 2,80  | 10  | 0,06 | 3 | BDG.030...                  | .00 | -   |
| 4,00     | 6,00     | 11 | 57  | 3,80  | 14  | 0,08 | 3 | BDG.040...                  | .00 | -   |
| 5,00     | 6,00     | 13 | 57  | 4,80  | 16  | 0,10 | 3 | BDG.050...                  | .00 | -   |
| 6,00     | 6,00     | 13 | 57  | 5,80  | 18  | 0,20 | 3 | BDG.060...                  | .00 | .10 |
| 6,00     | 6,00     | 13 | 80  | 5,80  | 42  | 0,20 | 3 | BDG.061...                  | .00 | .10 |
| 8,00     | 8,00     | 21 | 63  | 7,80  | 25  | 0,20 | 3 | BDG.080...                  | .00 | .10 |
| 8,00     | 8,00     | 21 | 100 | 7,80  | 62  | 0,20 | 3 | BDG.081...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 72  | 9,70  | 30  | 0,20 | 3 | BDG.100...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 100 | 9,70  | 58  | 0,20 | 3 | BDG.101...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,70 | 36  | 0,20 | 3 | BDG.120...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 120 | 11,70 | 73  | 0,20 | 3 | BDG.121...                  | .00 | .10 |
| 16,00    | 16,00    | 36 | 92  | 15,70 | 42  | 0,20 | 3 | BDG.160...                  | .00 | .10 |
| 16,00    | 16,00    | 36 | 150 | 15,70 | 100 | 0,20 | 3 | BDG.161...                  | .00 | .10 |
| 18,00    | 18,00    | 36 | 92  | 17,60 | 42  | 0,20 | 3 | BDG.180...                  | .00 | .10 |
| 18,00    | 18,00    | 36 | 150 | 17,60 | 100 | 0,20 | 3 | BDG.181...                  | .00 | .10 |
| 20,00    | 20,00    | 41 | 104 | 19,50 | 52  | 0,20 | 3 | BDG.200...                  | .00 | .10 |
| 20,00    | 20,00    | 41 | 150 | 19,50 | 98  | 0,20 | 3 | BDG.201...                  | .00 | .10 |
| 25,00    | 25,00    | 50 | 121 | 24,50 | 65  | 0,30 | 3 | BDG.250...                  | .00 | .10 |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

1<sup>ST</sup> CHOICE

Artikel-Nr. DZ4...



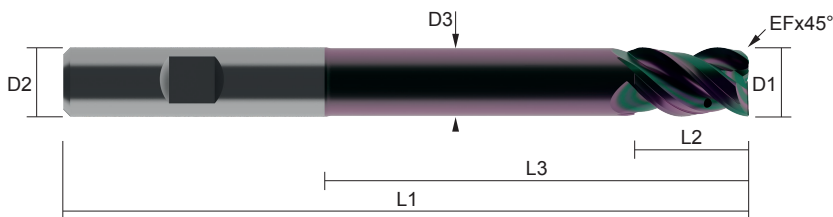
| D1<br>h9 | D2<br>h6 | L2    | L1  | D3    | L3  | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|-------|-----|-------|-----|------|---|-----------------------------|-----|-----|
| 1,00     | 4,00     | 3,00  | 50  | 0,90  | 8   | 0,05 | 3 | DZ4.010...                  | .00 | -   |
| 1,50     | 4,00     | 5,00  | 50  | 1,40  | 13  | 0,05 | 3 | DZ4.015...                  | .00 | -   |
| 1,80     | 4,00     | 5,00  | 50  | 1,70  | 13  | 0,05 | 3 | DZ4.018...                  | .00 | -   |
| 2,00     | 4,00     | 6,00  | 50  | 1,90  | 15  | 0,05 | 3 | DZ4.020...                  | .00 | -   |
| 3,00     | 6,00     | 6,50  | 80  | 2,90  | 20  | 0,10 | 3 | DZ4.030...                  | .00 | -   |
| 4,00     | 6,00     | 6,50  | 80  | 3,90  | 24  | 0,10 | 3 | DZ4.040...                  | .00 | .10 |
| 5,00     | 6,00     | 8,00  | 80  | 4,90  | 30  | 0,10 | 3 | DZ4.050...                  | .00 | .10 |
| 6,00     | 6,00     | 10,00 | 80  | 5,80  | 42  | 0,20 | 3 | DZ4.060...                  | .00 | .10 |
| 8,00     | 8,00     | 13,00 | 100 | 7,80  | 62  | 0,20 | 3 | DZ4.080...                  | .00 | .10 |
| 10,00    | 10,00    | 16,00 | 100 | 9,70  | 58  | 0,20 | 3 | DZ4.100...                  | .00 | .10 |
| 12,00    | 12,00    | 19,00 | 120 | 11,70 | 73  | 0,20 | 3 | DZ4.120...                  | .00 | .10 |
| 16,00    | 16,00    | 25,00 | 150 | 15,70 | 92  | 0,20 | 3 | DZ4.160...                  | .00 | .10 |
| 20,00    | 20,00    | 32,00 | 150 | 19,50 | 100 | 0,20 | 3 | DZ4.200...                  | .00 | .10 |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

1<sup>ST</sup> CHOICE

Artikel-Nr. DZ5...



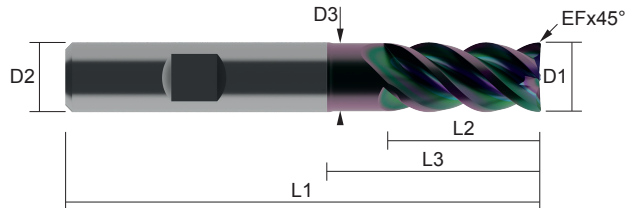
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3  | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|-----|------|---|-----------------------------|-----|-----|
| 6,00     | 6,00     | 10 | 80  | 5,80  | 42  | 0,10 | 3 | DZ5.060...                  | .00 | .10 |
| 8,00     | 8,00     | 13 | 100 | 7,80  | 62  | 0,10 | 3 | DZ5.080...                  | .00 | .10 |
| 10,00    | 10,00    | 16 | 100 | 9,70  | 58  | 0,20 | 3 | DZ5.100...                  | .00 | .10 |
| 12,00    | 12,00    | 19 | 120 | 11,70 | 73  | 0,20 | 3 | DZ5.120...                  | .00 | .10 |
| 16,00    | 16,00    | 25 | 150 | 15,70 | 92  | 0,20 | 3 | DZ5.160...                  | .00 | .10 |
| 20,00    | 20,00    | 32 | 150 | 19,50 | 100 | 0,20 | 3 | DZ5.200...                  | .00 | .10 |

# VHM-Schaftfräser HPC

Solid carbide end mill HPC

**1<sup>ST</sup>**  
CHOICE

Artikel-Nr. DZ7...

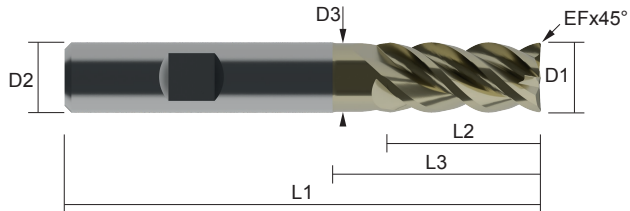


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 6  | 57  | 2,90  | 10 | 0,10 | 4 | DZ7.030...                  | .00 | .10 |
| 4,00     | 6,00     | 8  | 57  | 3,90  | 14 | 0,10 | 4 | DZ7.040...                  | .00 | .10 |
| 5,00     | 6,00     | 10 | 57  | 4,90  | 16 | 0,10 | 4 | DZ7.050...                  | .00 | .10 |
| 6,00     | 6,00     | 12 | 57  | 5,80  | 19 | 0,20 | 4 | DZ7.060...                  | .00 | .10 |
| 8,00     | 8,00     | 16 | 63  | 7,80  | 25 | 0,20 | 4 | DZ7.080...                  | .00 | .10 |
| 10,00    | 10,00    | 20 | 72  | 9,70  | 30 | 0,20 | 4 | DZ7.100...                  | .00 | .10 |
| 12,00    | 12,00    | 24 | 83  | 11,70 | 36 | 0,20 | 4 | DZ7.120...                  | .00 | .10 |
| 14,00    | 14,00    | 30 | 83  | 13,70 | 38 | 0,20 | 4 | DZ7.140...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 92  | 15,70 | 42 | 0,20 | 4 | DZ7.160...                  | .00 | .10 |
| 20,00    | 20,00    | 40 | 104 | 19,50 | 52 | 0,20 | 4 | DZ7.200...                  | .00 | .10 |

# VHM-Schaftfräser HPC

Solid carbide end mill HPC

Artikel-Nr. DAD...



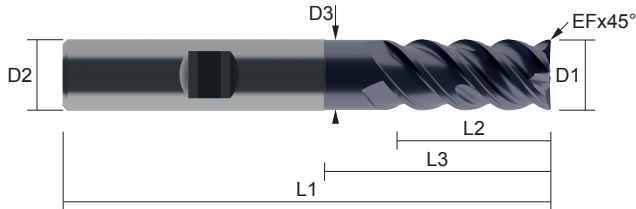
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3  | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|-----|------|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 8  | 57  | 2,80  | 12  | 0,10 | 4 | DAD.030...                  | .00 | .10 |
| 4,00     | 6,00     | 11 | 57  | 3,80  | 18  | 0,10 | 4 | DAD.040...                  | .00 | .10 |
| 5,00     | 6,00     | 13 | 57  | 4,80  | 18  | 0,10 | 4 | DAD.050...                  | .00 | .10 |
| 6,00     | 6,00     | 13 | 57  | 5,80  | 18  | 0,20 | 4 | DAD.060...                  | .00 | .10 |
| 6,00     | 6,00     | 13 | 80  | 5,80  | 42  | 0,20 | 4 | DAD.061...                  | .00 | .10 |
| 8,00     | 8,00     | 21 | 63  | 7,80  | 25  | 0,20 | 4 | DAD.080...                  | .00 | .10 |
| 8,00     | 8,00     | 21 | 100 | 7,80  | 62  | 0,20 | 4 | DAD.081...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 72  | 9,70  | 30  | 0,20 | 4 | DAD.100...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 100 | 9,70  | 58  | 0,20 | 4 | DAD.101...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,70 | 36  | 0,20 | 4 | DAD.120...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 120 | 11,70 | 73  | 0,20 | 4 | DAD.121...                  | .00 | .10 |
| 16,00    | 16,00    | 36 | 92  | 15,70 | 42  | 0,20 | 4 | DAD.160...                  | .00 | .10 |
| 16,00    | 16,00    | 36 | 150 | 15,70 | 100 | 0,20 | 4 | DAD.161...                  | .00 | .10 |
| 20,00    | 20,00    | 41 | 104 | 19,50 | 52  | 0,20 | 4 | DAD.200...                  | .00 | .10 |
| 20,00    | 20,00    | 41 | 150 | 19,50 | 98  | 0,20 | 4 | DAD.201...                  | .00 | .10 |
| 25,00    | 25,00    | 50 | 121 | 24,50 | 65  | 0,30 | 4 | DAD.250...                  | .00 | .10 |

## VHM-Schaftfräser HPC

Solid carbide end mill HPC

1<sup>ST</sup>  
CHOICE

Artikel-Nr. CAZ...

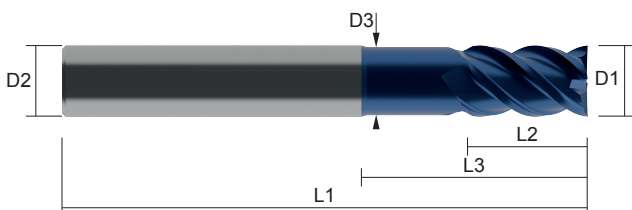


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 2,50     | 6,00     | 4  | 57  | 2,30  | 7  | 0,10 | 3 | CAZ.025...                  | .00 | .10 |
| 3,00     | 6,00     | 5  | 57  | 2,80  | 7  | 0,10 | 3 | CAZ.030...                  | .00 | .10 |
| 4,00     | 6,00     | 11 | 57  | 3,80  | 21 | 0,10 | 4 | CAZ.040...                  | .00 | .10 |
| 5,00     | 6,00     | 13 | 57  | 4,80  | 21 | 0,10 | 4 | CAZ.050...                  | .00 | .10 |
| 6,00     | 6,00     | 13 | 57  | 5,80  | 21 | 0,10 | 4 | CAZ.060...                  | .00 | .10 |
| 8,00     | 8,00     | 19 | 63  | 7,80  | 27 | 0,15 | 4 | CAZ.080...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 72  | 9,80  | 32 | 0,15 | 4 | CAZ.100...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,80 | 38 | 0,20 | 4 | CAZ.120...                  | .00 | .10 |
| 14,00    | 14,00    | 26 | 83  | 13,80 | 42 | 0,20 | 4 | CAZ.140...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 92  | 15,80 | 44 | 0,20 | 4 | CAZ.160...                  | .00 | .10 |
| 18,00    | 18,00    | 32 | 92  | 17,80 | 44 | 0,30 | 4 | CAZ.180...                  | .00 | .10 |
| 20,00    | 20,00    | 38 | 104 | 19,80 | 54 | 0,30 | 4 | CAZ.200...                  | .00 | .10 |

## VHM-Mini-Schaftfräser HSC

Solid carbide mini end mill HSC

Artikel-Nr. CAB...



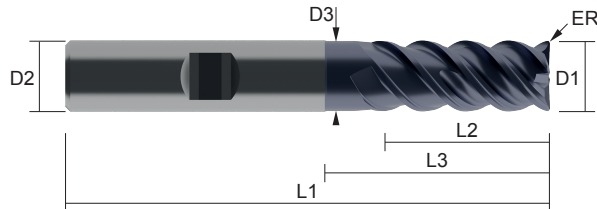
| D1<br>+0,000<br>-0,015 | D2<br>h6 | L2 | L1 | D3    | L3 | Z | Artikel-Nr./<br>Article-No. |
|------------------------|----------|----|----|-------|----|---|-----------------------------|
| 1,00                   | 6,00     | 3  | 57 | 0,90  | 10 | 4 | CAB.010.00                  |
| 2,00                   | 6,00     | 4  | 57 | 1,90  | 12 | 4 | CAB.020.00                  |
| 3,00                   | 6,00     | 5  | 57 | 2,80  | 15 | 4 | CAB.030.00                  |
| 4,00                   | 6,00     | 6  | 57 | 3,60  | 21 | 4 | CAB.040.00                  |
| 5,00                   | 6,00     | 7  | 57 | 4,60  | 21 | 4 | CAB.050.00                  |
| 6,00                   | 6,00     | 10 | 57 | 5,50  | 21 | 4 | CAB.060.00                  |
| 8,00                   | 8,00     | 12 | 63 | 7,50  | 27 | 4 | CAB.080.00                  |
| 10,00                  | 10,00    | 15 | 72 | 9,50  | 32 | 4 | CAB.100.00                  |
| 12,00                  | 12,00    | 18 | 83 | 11,50 | 38 | 4 | CAB.120.00                  |
| 16,00                  | 16,00    | 24 | 92 | 15,50 | 42 | 4 | CAB.160.00                  |

# VHM-Torusfräser HPC

Solid carbide torus mill HPC

**1<sup>ST</sup>**  
**CHOICE**

Artikel-Nr. CAE...

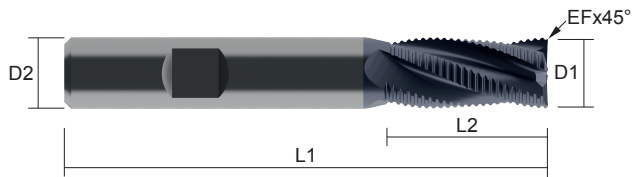


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | ER   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 8  | 57  | 2,90  | 18 | 0,20 | 3 | CAE.031...                  | .00 | .10 |
| 3,00     | 6,00     | 8  | 57  | 2,90  | 18 | 0,50 | 3 | CAE.032...                  | .00 | .10 |
| 4,00     | 6,00     | 11 | 57  | 3,80  | 21 | 0,30 | 4 | CAE.041...                  | .00 | .10 |
| 4,00     | 6,00     | 11 | 57  | 3,80  | 21 | 0,50 | 4 | CAE.042...                  | .00 | .10 |
| 4,00     | 6,00     | 11 | 57  | 3,80  | 21 | 1,00 | 4 | CAE.043...                  | .00 | .10 |
| 5,00     | 6,00     | 13 | 57  | 4,80  | 21 | 0,30 | 4 | CAE.051...                  | .00 | .10 |
| 5,00     | 6,00     | 13 | 57  | 4,80  | 21 | 0,50 | 4 | CAE.052...                  | .00 | .10 |
| 5,00     | 6,00     | 13 | 57  | 4,80  | 21 | 1,00 | 4 | CAE.053...                  | .00 | .10 |
| 6,00     | 6,00     | 14 | 57  | 5,80  | 21 | 0,30 | 4 | CAE.061...                  | .00 | .10 |
| 6,00     | 6,00     | 14 | 57  | 5,80  | 21 | 0,50 | 4 | CAE.062...                  | .00 | .10 |
| 6,00     | 6,00     | 14 | 57  | 5,80  | 21 | 1,00 | 4 | CAE.063...                  | .00 | .10 |
| 6,00     | 6,00     | 14 | 57  | 5,80  | 21 | 1,50 | 4 | CAE.064...                  | .00 | .10 |
| 6,00     | 6,00     | 14 | 57  | 5,80  | 21 | 2,00 | 4 | CAE.065...                  | .00 | .10 |
| 8,00     | 8,00     | 20 | 63  | 7,80  | 27 | 0,50 | 4 | CAE.081...                  | .00 | .10 |
| 8,00     | 8,00     | 20 | 63  | 7,80  | 27 | 1,00 | 4 | CAE.082...                  | .00 | .10 |
| 8,00     | 8,00     | 20 | 63  | 7,80  | 27 | 1,50 | 4 | CAE.083...                  | .00 | .10 |
| 8,00     | 8,00     | 20 | 63  | 7,80  | 27 | 2,00 | 4 | CAE.084...                  | .00 | .10 |
| 10,00    | 10,00    | 24 | 72  | 9,80  | 32 | 0,50 | 4 | CAE.101...                  | .00 | .10 |
| 10,00    | 10,00    | 24 | 72  | 9,80  | 32 | 1,00 | 4 | CAE.102...                  | .00 | .10 |
| 10,00    | 10,00    | 24 | 72  | 9,80  | 32 | 1,50 | 4 | CAE.103...                  | .00 | .10 |
| 10,00    | 10,00    | 24 | 72  | 9,80  | 32 | 2,00 | 4 | CAE.104...                  | .00 | .10 |
| 12,00    | 12,00    | 28 | 83  | 11,80 | 38 | 0,50 | 4 | CAE.121...                  | .00 | .10 |
| 12,00    | 12,00    | 28 | 83  | 11,80 | 38 | 1,00 | 4 | CAE.122...                  | .00 | .10 |
| 12,00    | 12,00    | 28 | 83  | 11,80 | 38 | 1,50 | 4 | CAE.123...                  | .00 | .10 |
| 12,00    | 12,00    | 28 | 83  | 11,80 | 38 | 2,00 | 4 | CAE.124...                  | .00 | .10 |
| 16,00    | 16,00    | 34 | 92  | 15,80 | 44 | 0,50 | 4 | CAE.161...                  | .00 | .10 |
| 16,00    | 16,00    | 34 | 92  | 15,80 | 44 | 1,00 | 4 | CAE.162...                  | .00 | .10 |
| 16,00    | 16,00    | 34 | 92  | 15,80 | 44 | 1,50 | 4 | CAE.163...                  | .00 | .10 |
| 16,00    | 16,00    | 34 | 92  | 15,80 | 44 | 2,00 | 4 | CAE.164...                  | .00 | .10 |
| 16,00    | 16,00    | 34 | 150 | 15,80 | 44 | 1,00 | 4 | CAE.165...                  | .00 | .10 |
| 20,00    | 20,00    | 40 | 104 | 19,80 | 54 | 0,50 | 4 | CAE.201...                  | .00 | .10 |
| 20,00    | 20,00    | 40 | 104 | 19,80 | 54 | 1,00 | 4 | CAE.202...                  | .00 | .10 |
| 20,00    | 20,00    | 40 | 104 | 19,80 | 54 | 1,50 | 4 | CAE.203...                  | .00 | .10 |
| 20,00    | 20,00    | 40 | 104 | 19,80 | 54 | 2,00 | 4 | CAE.204...                  | .00 | .10 |
| 20,00    | 20,00    | 40 | 150 | 19,80 | 54 | 1,00 | 4 | CAE.205...                  | .00 | .10 |
| 25,00    | 25,00    | 40 | 160 | 24,80 | 54 | 2,00 | 4 | CAE.206...                  | .00 | .10 |

## VHM-Schruppfräser

Solid carbide roughing mill

Artikel-Nr. CZD...

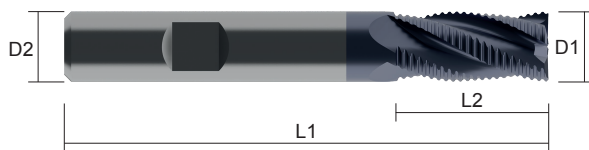


| D1<br>h9 | D2<br>h6 | L2 | L1  | EF   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|------|---|-----------------------------|
| 3,00     | 6,00     | 6  | 57  | 0,10 | 4 | CZD.030.00                  |
| 4,00     | 6,00     | 8  | 57  | 0,13 | 4 | CZD.040.00                  |
| 5,00     | 6,00     | 10 | 57  | 0,18 | 4 | CZD.050.00                  |
| 6,00     | 6,00     | 13 | 57  | 0,20 | 4 | CZD.060.00                  |
| 8,00     | 8,00     | 16 | 63  | 0,20 | 4 | CZD.080.00                  |
| 10,00    | 10,00    | 22 | 72  | 0,30 | 4 | CZD.100.00                  |
| 12,00    | 12,00    | 26 | 83  | 0,30 | 4 | CZD.120.00                  |
| 14,00    | 14,00    | 26 | 83  | 0,40 | 4 | CZD.140.00                  |
| 16,00    | 16,00    | 32 | 92  | 0,40 | 4 | CZD.160.00                  |
| 18,00    | 18,00    | 32 | 92  | 0,50 | 4 | CZD.180.00                  |
| 20,00    | 20,00    | 38 | 104 | 0,50 | 4 | CZD.200.00                  |
| 25,00    | 25,00    | 45 | 121 | 0,60 | 4 | CZD.250.00                  |

## VHM-Schruppfräser

Solid carbide roughing mill

Artikel-Nr. IEC...

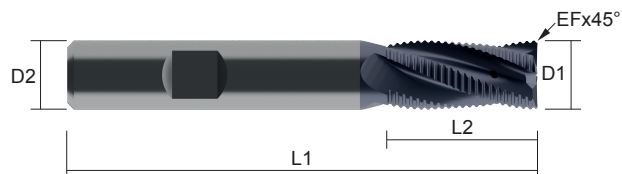


| D1<br>h10 | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|-----------|----------|----|-----|---|-----------------------------|-----|-----|
| 3,00      | 6,00     | 6  | 57  | 3 | IEC.103...                  | .00 | .10 |
| 4,00      | 6,00     | 8  | 57  | 3 | IEC.104...                  | .00 | .10 |
| 5,00      | 6,00     | 10 | 57  | 3 | IEC.105...                  | .00 | .10 |
| 6,00      | 6,00     | 16 | 57  | 3 | IEC.106...                  | .00 | .10 |
| 8,00      | 8,00     | 16 | 63  | 3 | IEC.108...                  | .00 | .10 |
| 10,00     | 10,00    | 22 | 72  | 4 | IEC.110...                  | .00 | .10 |
| 12,00     | 12,00    | 26 | 83  | 4 | IEC.112...                  | .00 | .10 |
| 16,00     | 16,00    | 32 | 92  | 4 | IEC.116...                  | .00 | .10 |
| 20,00     | 20,00    | 38 | 104 | 4 | IEC.120...                  | .00 | .10 |

## VHM-Schruppfräser

Solid carbide roughing mill

Artikel-Nr. CCD...

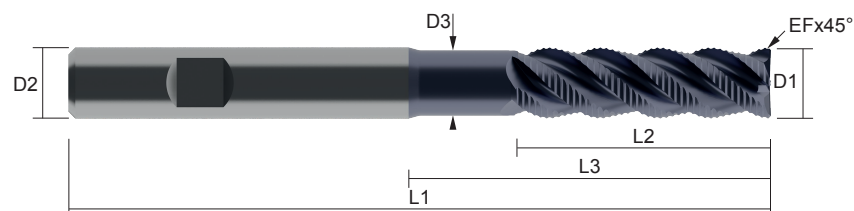


| D1<br>h9 | D2<br>h6 | L2 | L1  | EF   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|------|---|-----------------------------|
| 6,00     | 6,00     | 13 | 57  | 0,20 | 4 | CCD.060.00                  |
| 8,00     | 8,00     | 16 | 63  | 0,20 | 4 | CCD.080.00                  |
| 10,00    | 10,00    | 22 | 72  | 0,30 | 4 | CCD.100.00                  |
| 12,00    | 12,00    | 26 | 83  | 0,30 | 4 | CCD.120.00                  |
| 16,00    | 16,00    | 32 | 92  | 0,40 | 4 | CCD.160.00                  |
| 20,00    | 20,00    | 38 | 104 | 0,50 | 4 | CCD.200.00                  |

## VHM-Schruppfräser

Solid carbide roughing mill

Artikel-Nr. CZE...



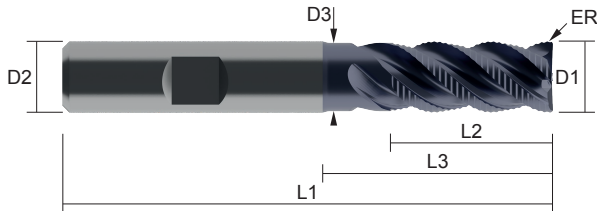
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3  | EF   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|-----|------|---|-----------------------------|
| 6,00     | 6,00     | 22 | 80  | 5,70  | 40  | 0,40 | 4 | CZE.060.00                  |
| 8,00     | 8,00     | 27 | 100 | 7,40  | 50  | 0,40 | 4 | CZE.080.00                  |
| 10,00    | 10,00    | 32 | 100 | 9,20  | 60  | 0,40 | 4 | CZE.100.00                  |
| 12,00    | 12,00    | 42 | 120 | 11,00 | 60  | 0,40 | 4 | CZE.120.00                  |
| 16,00    | 16,00    | 52 | 150 | 15,00 | 100 | 0,40 | 4 | CZE.160.00                  |
| 20,00    | 20,00    | 62 | 150 | 19,00 | 100 | 0,40 | 4 | CZE.200.00                  |
| 25,00    | 25,00    | 82 | 150 | 24,00 | 100 | 0,50 | 4 | CZE.250.00                  |

## VHM-Torus-Schruppfräser

Solid carbide torus roughing mill

1<sup>ST</sup> CHOICE

Artikel-Nr. CDG...

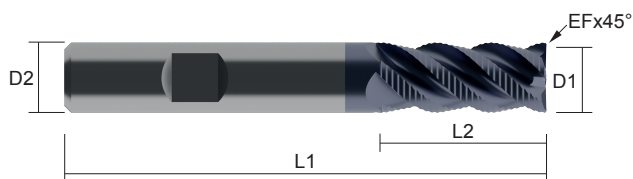


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | ER   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|
| 6,00     | 6,00     | 13 | 57  | 5,50  | 21 | 0,50 | 4 | CDG.060.00                  |
| 8,00     | 8,00     | 16 | 63  | 7,50  | 27 | 0,50 | 4 | CDG.080.00                  |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 0,50 | 4 | CDG.100.00                  |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 0,50 | 4 | CDG.120.00                  |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 1,00 | 5 | CDG.160.00                  |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 1,00 | 5 | CDG.200.00                  |

## VHM-Schruppfräser

Solid carbide roughing mill

Artikel-Nr. IEC...

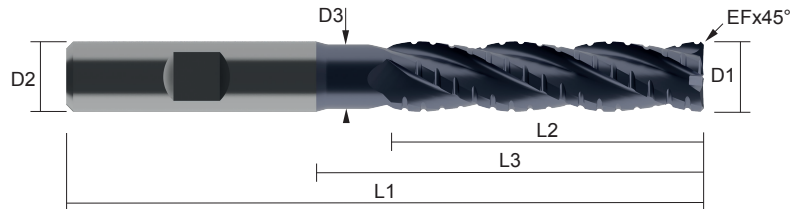


| D1<br>h10 | D2<br>h6 | L2 | L1  | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|-----------|----------|----|-----|------|---|-----------------------------|-----|-----|
| 4,00      | 6,00     | 11 | 57  | 0,15 | 3 | IEC.204...                  | .00 | .10 |
| 5,00      | 6,00     | 13 | 57  | 0,15 | 4 | IEC.205...                  | .00 | .10 |
| 6,00      | 6,00     | 16 | 57  | 0,15 | 4 | IEC.206...                  | .00 | .10 |
| 8,00      | 8,00     | 16 | 63  | 0,15 | 4 | IEC.208...                  | .00 | .10 |
| 10,00     | 10,00    | 22 | 72  | 0,20 | 4 | IEC.210...                  | .00 | .10 |
| 12,00     | 12,00    | 28 | 83  | 0,20 | 4 | IEC.212...                  | .00 | .10 |
| 16,00     | 16,00    | 32 | 92  | 0,25 | 5 | IEC.216...                  | .00 | .10 |
| 20,00     | 20,00    | 38 | 104 | 0,25 | 6 | IEC.220...                  | .00 | .10 |

## VHM-Schruppschlichtfräser

Solid carbide semi-roughing

Artikel-Nr. GBC...

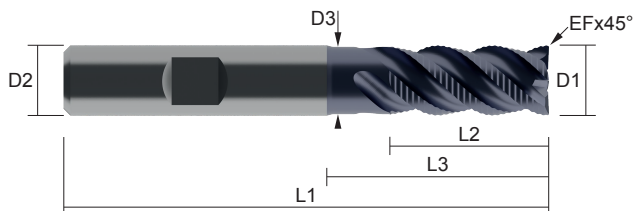


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|
| 6,00     | 6,00     | 24 | 68  | 5,60  | 32 | 0,30 | 4 | GBC.061.10                  |
| 8,00     | 8,00     | 38 | 88  | 7,50  | 50 | 0,30 | 4 | GBC.081.10                  |
| 10,00    | 10,00    | 45 | 95  | 9,50  | 55 | 0,40 | 4 | GBC.101.10                  |
| 12,00    | 12,00    | 53 | 110 | 11,00 | 65 | 0,50 | 4 | GBC.121.10                  |
| 16,00    | 16,00    | 63 | 123 | 15,00 | 75 | 0,60 | 4 | GBC.161.10                  |
| 20,00    | 20,00    | 75 | 141 | 19,00 | 90 | 0,60 | 4 | GBC.201.10                  |

## VHM-Schrupffräser

Solid carbide roughing mill

Artikel-Nr. CDE...



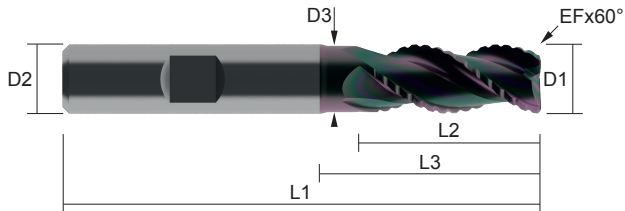
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 4,00     | 6,00     | 11 | 57  | 3,80  | 18 | 0,15 | 3 | CDE.040...                  | .00 | .10 |
| 5,00     | 6,00     | 13 | 57  | 4,70  | 20 | 0,15 | 4 | CDE.050...                  | .00 | .10 |
| 6,00     | 6,00     | 16 | 57  | 5,50  | 20 | 0,15 | 4 | CDE.060...                  | .00 | .10 |
| 7,00     | 8,00     | 16 | 63  | 6,50  | 25 | 0,15 | 4 | CDE.070...                  | .00 | .10 |
| 8,00     | 8,00     | 16 | 63  | 7,50  | 26 | 0,15 | 4 | CDE.080...                  | .00 | .10 |
| 9,00     | 10,00    | 19 | 72  | 8,50  | 30 | 0,20 | 4 | CDE.090...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 31 | 0,20 | 4 | CDE.100...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 37 | 0,20 | 4 | CDE.120...                  | .00 | .10 |
| 14,00    | 14,00    | 26 | 83  | 13,50 | 42 | 0,20 | 5 | CDE.140...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 100 | 15,50 | 51 | 0,25 | 5 | CDE.160...                  | .00 | .10 |
| 20,00    | 20,00    | 38 | 110 | 19,20 | 59 | 0,25 | 6 | CDE.200...                  | .00 | .10 |
| 25,00    | 25,00    | 45 | 121 | 24,00 | 65 | 0,30 | 6 | CDE.250...                  | -   | .10 |

## VHM-Schruppfräser

Solid carbide roughing mill

1<sup>ST</sup> CHOICE

Artikel-Nr. DA3...



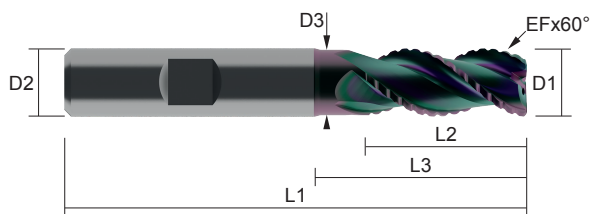
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 6,00     | 6,00     | 14 | 57  | 5,70  | 20 | 0,20 | 3 | DA3.060...                  | .00 | .10 |
| 8,00     | 8,00     | 21 | 63  | 7,40  | 26 | 0,25 | 3 | DA3.080...                  | .00 | .10 |
| 10,00    | 10,00    | 23 | 72  | 9,50  | 31 | 0,30 | 3 | DA3.100...                  | .00 | .10 |
| 12,00    | 12,00    | 27 | 83  | 11,00 | 37 | 0,35 | 3 | DA3.120...                  | .00 | .10 |
| 16,00    | 16,00    | 36 | 92  | 15,00 | 43 | 0,40 | 3 | DA3.160...                  | .00 | .10 |
| 20,00    | 20,00    | 41 | 104 | 19,00 | 52 | 0,40 | 3 | DA3.200...                  | .00 | .10 |

## VHM-Schruppfräser

Solid carbide roughing mill

1<sup>ST</sup> CHOICE

Artikel-Nr. BEA...

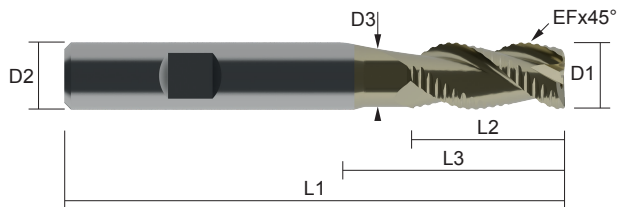


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 6,00     | 6,00     | 14 | 57  | 5,70  | 20 | 0,20 | 3 | BEA.060...                  | .00 | .10 |
| 8,00     | 8,00     | 21 | 63  | 7,40  | 26 | 0,25 | 3 | BEA.080...                  | .00 | .10 |
| 10,00    | 10,00    | 23 | 72  | 9,50  | 31 | 0,30 | 3 | BEA.100...                  | .00 | .10 |
| 12,00    | 12,00    | 27 | 83  | 11,00 | 37 | 0,35 | 3 | BEA.120...                  | .00 | .10 |
| 16,00    | 16,00    | 36 | 92  | 15,00 | 43 | 0,40 | 3 | BEA.160...                  | .00 | .10 |
| 20,00    | 20,00    | 41 | 104 | 19,00 | 52 | 0,40 | 3 | BEA.200...                  | .00 | .10 |

## VHM-Schruppfräser

Solid carbide roughing mill

Artikel-Nr. BEB...

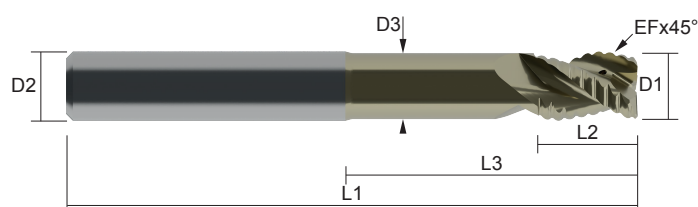


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 6,00     | 6,00     | 13 | 70  | 5,70  | 18 | 0,40 | 3 | BEB.060...                  | .00 | -   |
| 8,00     | 8,00     | 21 | 80  | 7,40  | 25 | 0,40 | 3 | BEB.080...                  | .00 | -   |
| 10,00    | 10,00    | 22 | 80  | 9,20  | 30 | 0,40 | 3 | BEB.100...                  | .00 | -   |
| 12,00    | 12,00    | 26 | 90  | 11,00 | 36 | 0,40 | 3 | BEB.120...                  | .00 | -   |
| 16,00    | 16,00    | 36 | 100 | 15,00 | 42 | 0,40 | 3 | BEB.160...                  | -   | .10 |
| 20,00    | 20,00    | 41 | 120 | 19,00 | 52 | 0,40 | 3 | BEB.200...                  | -   | .10 |

## VHM-Schruppfräser

Solid carbide roughing mill

Artikel-Nr. BEC...

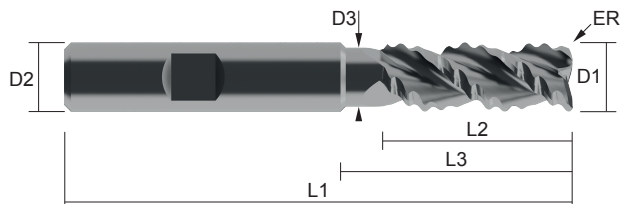


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|
| 6,00     | 6,00     | 10 | 63  | 5,50  | 24 | 0,30 | 3 | BEC.060.00                  |
| 8,00     | 8,00     | 12 | 72  | 7,50  | 29 | 0,40 | 3 | BEC.080.00                  |
| 10,00    | 10,00    | 14 | 83  | 9,50  | 35 | 0,50 | 3 | BEC.100.00                  |
| 12,00    | 12,00    | 16 | 100 | 11,40 | 50 | 0,60 | 3 | BEC.120.00                  |
| 16,00    | 16,00    | 20 | 115 | 15,20 | 63 | 0,80 | 3 | BEC.160.00                  |
| 20,00    | 20,00    | 20 | 125 | 19,00 | 70 | 1,00 | 3 | BEC.200.00                  |
| 25,00    | 25,00    | 25 | 135 | 23,75 | 75 | 1,25 | 3 | BEC.250.00                  |

# VHM-Torus-Schruppfräser

Solid carbide torus roughing mill

Artikel-Nr. DZE...

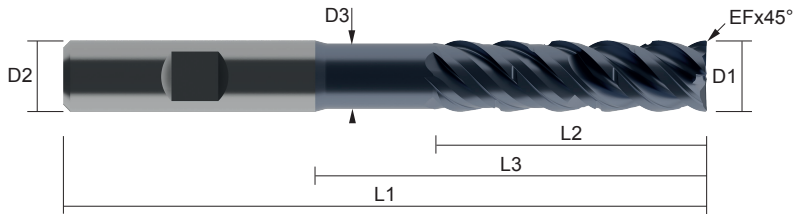


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | ER   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 6,00     | 6,00     | 16 | 60  | 4,70  | 25 | 0,40 | 3 | DZE.060...                  | .00 | .10 |
| 8,00     | 8,00     | 25 | 78  | 6,30  | 33 | 0,50 | 3 | DZE.080...                  | .00 | .10 |
| 10,00    | 10,00    | 28 | 78  | 8,20  | 35 | 0,60 | 3 | DZE.100...                  | .00 | .10 |
| 12,00    | 12,00    | 32 | 89  | 10,20 | 40 | 0,80 | 3 | DZE.120...                  | .00 | .10 |
| 14,00    | 14,00    | 32 | 89  | 12,00 | 40 | 1,00 | 3 | DZE.140...                  | .00 | .10 |
| 16,00    | 16,00    | 36 | 96  | 14,00 | 45 | 1,00 | 3 | DZE.160...                  | .00 | .10 |
| 20,00    | 20,00    | 45 | 111 | 17,50 | 60 | 1,20 | 3 | DZE.200...                  | .00 | .10 |
| 25,00    | 25,00    | 50 | 121 | 21,80 | 65 | 1,50 | 3 | DZE.250...                  | .00 | .10 |

## VHM-Hybridfräser TSC

Solid carbide hybrid mill TSC

Artikel-Nr. EIE...

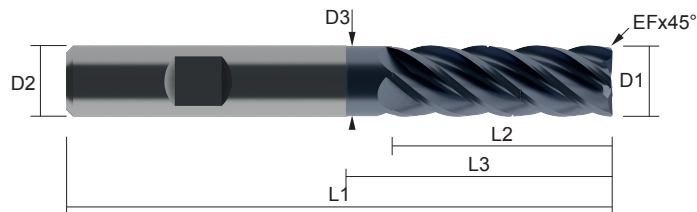


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3  | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|-----|------|---|-----------------------------|-----|-----|
| 6,00     | 6,00     | 14 | 54  | -     | -   | 0,08 | 4 | EIE.060...                  | .00 | .10 |
| 6,00     | 6,00     | 23 | 80  | 5,60  | 36  | 0,08 | 4 | EIE.063...                  | .00 | .10 |
| 8,00     | 8,00     | 18 | 60  | -     | -   | 0,10 | 4 | EIE.080...                  | .00 | .10 |
| 8,00     | 8,00     | 32 | 100 | 7,50  | 55  | 0,10 | 4 | EIE.083...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 70  | -     | -   | 0,10 | 4 | EIE.100...                  | .00 | .10 |
| 10,00    | 10,00    | 40 | 100 | 9,50  | 58  | 0,10 | 4 | EIE.103...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | -     | -   | 0,15 | 4 | EIE.120...                  | .00 | .10 |
| 12,00    | 12,00    | 45 | 110 | 11,00 | 65  | 0,15 | 4 | EIE.123...                  | .00 | .10 |
| 16,00    | 16,00    | 34 | 92  | -     | -   | 0,20 | 4 | EIE.160...                  | .00 | .10 |
| 16,00    | 16,00    | 55 | 150 | 15,00 | 90  | 0,20 | 4 | EIE.163...                  | .00 | .10 |
| 20,00    | 20,00    | 42 | 104 | -     | -   | 0,25 | 4 | EIE.200...                  | .00 | .10 |
| 20,00    | 20,00    | 65 | 150 | 19,00 | 100 | 0,25 | 4 | EIE.203...                  | .00 | .10 |

## VHM-Dynamikfräser TSC

Solid carbide dynamic end mill TSC

Artikel-Nr. EIA...



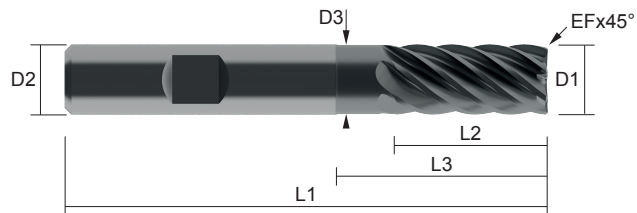
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 6,00     | 6,00     | 18 | 62  | 5,80  | 25 | 0,10 | 5 | EIA.060...                  | .00 | .10 |
| 8,00     | 8,00     | 24 | 68  | 7,80  | 30 | 0,15 | 5 | EIA.080...                  | .00 | .10 |
| 10,00    | 10,00    | 30 | 80  | 9,80  | 35 | 0,20 | 5 | EIA.100...                  | .00 | .10 |
| 12,00    | 12,00    | 36 | 93  | 11,80 | 45 | 0,20 | 5 | EIA.120...                  | .00 | .10 |
| 16,00    | 16,00    | 48 | 108 | 15,80 | 55 | 0,30 | 5 | EIA.160...                  | .00 | .10 |
| 20,00    | 20,00    | 60 | 126 | 19,80 | 70 | 0,40 | 5 | EIA.200...                  | .00 | .10 |

## VHM-Dynamikfräser TSC 2xD

Solid carbide dynamic end mill TSC 2xD

1<sup>ST</sup> CHOICE

Artikel-Nr. EIG...



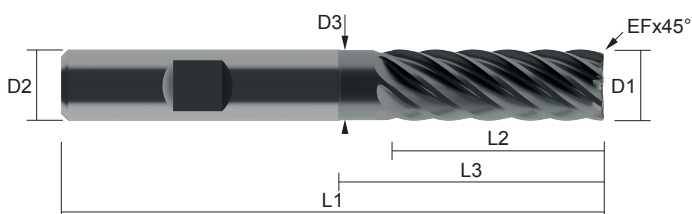
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 6,00     | 6,00     | 13 | 57  | 5,80  | 19 | 0,12 | 7 | EIG.060...                  | .00 | .10 |
| 8,00     | 8,00     | 19 | 63  | 7,80  | 25 | 0,16 | 7 | EIG.080...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 72  | 9,80  | 30 | 0,20 | 7 | EIG.100...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,80 | 36 | 0,24 | 7 | EIG.120...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 92  | 15,80 | 42 | 0,32 | 7 | EIG.160...                  | .00 | .10 |
| 20,00    | 20,00    | 41 | 104 | 19,80 | 52 | 0,40 | 7 | EIG.200...                  | .00 | .10 |

## VHM-Dynamikfräser TSC 3xD

Solid carbide dynamic end mill TSC 3xD

1<sup>ST</sup> CHOICE

Artikel-Nr. EIH...



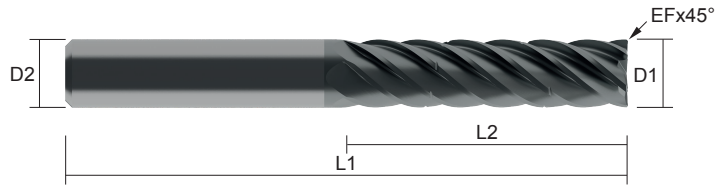
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 6,00     | 6,00     | 18 | 62  | 5,80  | 25 | 0,12 | 7 | EIH.060...                  | .00 | .10 |
| 8,00     | 8,00     | 24 | 68  | 7,80  | 30 | 0,16 | 7 | EIH.080...                  | .00 | .10 |
| 10,00    | 10,00    | 30 | 80  | 9,80  | 35 | 0,20 | 7 | EIH.100...                  | .00 | .10 |
| 12,00    | 12,00    | 36 | 93  | 11,80 | 45 | 0,24 | 7 | EIH.120...                  | .00 | .10 |
| 16,00    | 16,00    | 48 | 108 | 15,80 | 55 | 0,32 | 7 | EIH.160...                  | .00 | .10 |
| 20,00    | 20,00    | 60 | 126 | 19,80 | 70 | 0,40 | 7 | EIH.200...                  | .00 | .10 |

## VHM-Dynamikfräser TSC 4xD

Solid carbide dynamic end mill TSC 4xD

1<sup>ST</sup> CHOICE

Artikel-Nr. EII...



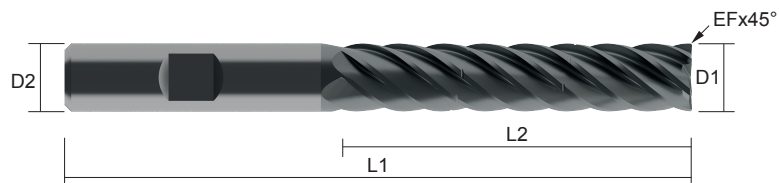
| D1<br>h9 | D2<br>h6 | L2 | L1  | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|------|---|-----------------------------|-----|-----|
| 10,00    | 10,00    | 40 | 89  | 0,20 | 6 | EII.100...                  | .00 | .10 |
| 12,00    | 12,00    | 48 | 100 | 0,24 | 6 | EII.120...                  | .00 | .10 |
| 16,00    | 16,00    | 64 | 123 | 0,32 | 6 | EII.160...                  | .00 | .10 |
| 20,00    | 20,00    | 80 | 140 | 0,40 | 6 | EII.200...                  | .00 | .10 |

## VHM-Dynamikfräser TSC 5xD

Solid carbide dynamic end mill TSC 5xD

1<sup>ST</sup> CHOICE

Artikel-Nr. FZZ...

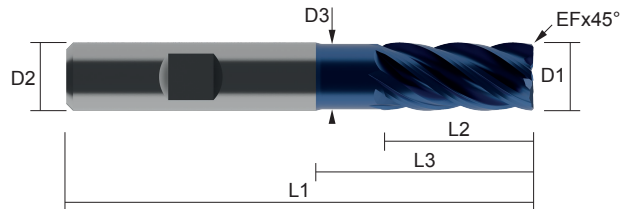


| D1<br>h9 | D2<br>h6 | L2  | L1  | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|-----|-----|------|---|-----------------------------|-----|-----|
| 10,00    | 10,00    | 50  | 96  | 0,20 | 6 | FZZ.100...                  | .00 | .10 |
| 12,00    | 12,00    | 60  | 112 | 0,24 | 6 | FZZ.120...                  | .00 | .10 |
| 16,00    | 16,00    | 80  | 136 | 0,32 | 6 | FZZ.160...                  | .00 | .10 |
| 20,00    | 20,00    | 100 | 160 | 0,40 | 6 | FZZ.200...                  | .00 | .10 |

## VHM-Dynamikfräser TSC

Solid carbide dynamic end mill TSC

Artikel-Nr. GHI...

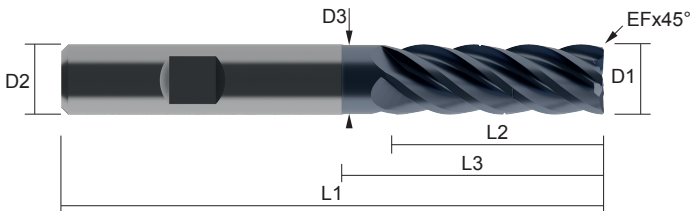


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 6,00     | 6,00     | 13 | 57  | 5,50  | 21 | 0,20 | 4 | GHI.060...                  | .00 | .10 |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 0,20 | 5 | GHI.080...                  | .00 | .10 |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 0,30 | 5 | GHI.100...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 83  | 11,50 | 38 | 0,30 | 5 | GHI.120...                  | .00 | .10 |
| 16,00    | 16,00    | 32 | 92  | 15,50 | 44 | 0,40 | 5 | GHI.160...                  | .00 | .10 |
| 20,00    | 20,00    | 38 | 104 | 19,50 | 54 | 0,50 | 5 | GHI.200...                  | .00 | .10 |

## VHM-Dynamikfräser TSC

Solid carbide dynamic end mill TSC

Artikel-Nr. EIB...



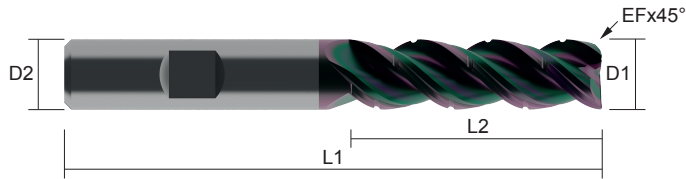
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-----|-----|
| 6,00     | 6,00     | 18 | 62  | 5,80  | 25 | 0,10 | 5 | EIB.060...                  | .00 | .10 |
| 8,00     | 8,00     | 24 | 68  | 7,80  | 30 | 0,15 | 5 | EIB.080...                  | .00 | .10 |
| 10,00    | 10,00    | 30 | 80  | 9,80  | 35 | 0,20 | 5 | EIB.100...                  | .00 | .10 |
| 12,00    | 12,00    | 36 | 93  | 11,80 | 45 | 0,20 | 5 | EIB.120...                  | .00 | .10 |
| 16,00    | 16,00    | 48 | 108 | 15,80 | 55 | 0,30 | 5 | EIB.160...                  | .00 | .10 |
| 20,00    | 20,00    | 60 | 126 | 19,80 | 70 | 0,40 | 5 | EIB.200...                  | .00 | .10 |

## VHM-Dynamikfräser TSC

Solid carbide dynamic end mill TSC

1<sup>ST</sup> CHOICE

Artikel-Nr. DA4...



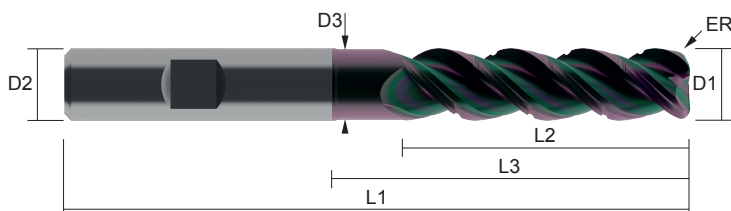
| D1<br>h9 | D2<br>h6 | L2 | L1  | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|------|---|-----------------------------|-----|-----|
| 6,00     | 6,00     | 21 | 62  | 0,20 | 3 | DA4.060...                  | .00 | .10 |
| 8,00     | 8,00     | 28 | 68  | 0,20 | 3 | DA4.080...                  | .00 | .10 |
| 10,00    | 10,00    | 35 | 80  | 0,20 | 3 | DA4.100...                  | .00 | .10 |
| 12,00    | 12,00    | 42 | 93  | 0,20 | 3 | DA4.120...                  | .00 | .10 |
| 16,00    | 16,00    | 56 | 108 | 0,20 | 3 | DA4.160...                  | .00 | .10 |
| 20,00    | 20,00    | 70 | 126 | 0,20 | 3 | DA4.200...                  | .00 | .10 |

## VHM-Torus-Dynamikfräser TSC

Solid carbide torus-dynamic mill TSC

1<sup>ST</sup> CHOICE

Artikel-Nr. DA0...



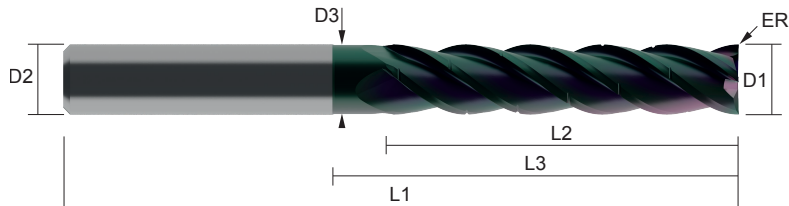
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3  | EF   | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|-----|------|---|-----------------------------|-----|-----|
| 6,00     | 6,00     | 25 | 71  | 5,80  | 31  | 0,50 | 3 | DA0.060...                  | .00 | .10 |
| 6,00     | 6,00     | 25 | 71  | 5,80  | 31  | 1,00 | 3 | DA0.061...                  | .00 | .10 |
| 8,00     | 8,00     | 33 | 80  | 7,80  | 41  | 0,50 | 3 | DA0.080...                  | .00 | .10 |
| 8,00     | 8,00     | 33 | 80  | 7,80  | 41  | 1,00 | 3 | DA0.081...                  | .00 | .10 |
| 8,00     | 8,00     | 33 | 80  | 7,90  | 41  | 2,00 | 3 | DA0.082...                  | .00 | .10 |
| 10,00    | 10,00    | 41 | 95  | 9,70  | 51  | 0,50 | 3 | DA0.100...                  | .00 | .10 |
| 10,00    | 10,00    | 41 | 95  | 9,70  | 51  | 1,00 | 3 | DA0.101...                  | .00 | .10 |
| 10,00    | 10,00    | 41 | 95  | 9,70  | 51  | 2,00 | 3 | DA0.102...                  | .00 | .10 |
| 12,00    | 12,00    | 49 | 109 | 11,70 | 61  | 0,50 | 3 | DA0.120...                  | .00 | .10 |
| 12,00    | 12,00    | 49 | 109 | 11,70 | 61  | 1,00 | 3 | DA0.121...                  | .00 | .10 |
| 12,00    | 12,00    | 49 | 109 | 11,70 | 61  | 2,00 | 3 | DA0.122...                  | .00 | .10 |
| 16,00    | 16,00    | 65 | 132 | 15,70 | 81  | 2,00 | 3 | DA0.160...                  | .00 | .10 |
| 16,00    | 16,00    | 65 | 132 | 15,70 | 81  | 3,00 | 3 | DA0.161...                  | .00 | .10 |
| 20,00    | 20,00    | 82 | 154 | 19,50 | 101 | 2,00 | 3 | DA0.200...                  | .00 | .10 |
| 20,00    | 20,00    | 82 | 154 | 19,50 | 101 | 3,00 | 3 | DA0.201...                  | .00 | .10 |

## VHM-Dynamikfräser TSC 5xD

Solid carbide dynamic end mill TSC 5xD

1<sup>ST</sup> CHOICE

Artikel-Nr. B.DA9...



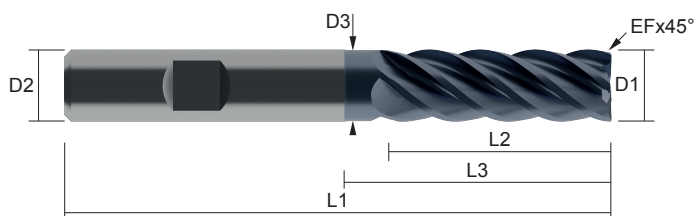
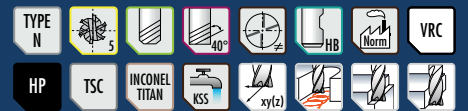
| D1<br>h9 | D2<br>h6 | L2  | L1  | D3    | L3  | ER   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|-----|-----|-------|-----|------|---|-----------------------------|
| 10,00    | 10,00    | 51  | 100 | 9,80  | 60  | 0,10 | 4 | B.DA9.100.00                |
| 12,00    | 12,00    | 61  | 120 | 11,80 | 72  | 0,10 | 4 | B.DA9.120.00                |
| 16,00    | 16,00    | 81  | 150 | 15,80 | 96  | 0,20 | 4 | B.DA9.160.00                |
| 20,00    | 20,00    | 101 | 175 | 19,80 | 120 | 0,20 | 4 | B.DA9.200.00                |

## VHM-Dynamikfräser TSC

Solid carbide dynamic end mill TSC

1<sup>ST</sup> CHOICE

Artikel-Nr. EIC...

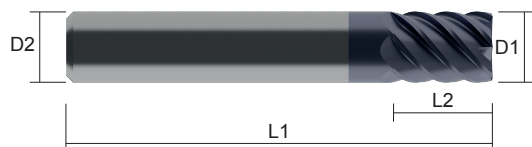


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | EF   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|
| 6,00     | 6,00     | 18 | 62  | 5,80  | 25 | 0,10 | 5 | EIC.060.10                  |
| 8,00     | 8,00     | 24 | 68  | 7,80  | 30 | 0,15 | 5 | EIC.080.10                  |
| 10,00    | 10,00    | 30 | 80  | 9,80  | 35 | 0,20 | 5 | EIC.100.10                  |
| 12,00    | 12,00    | 36 | 93  | 11,80 | 45 | 0,20 | 5 | EIC.120.10                  |
| 16,00    | 16,00    | 48 | 108 | 15,80 | 55 | 0,30 | 5 | EIC.160.10                  |
| 20,00    | 20,00    | 60 | 126 | 19,80 | 70 | 0,40 | 5 | EIC.200.10                  |

## VHM-Schlichtfräser HSC

Solid carbide finishing mill HSC

Artikel-Nr. BAH...

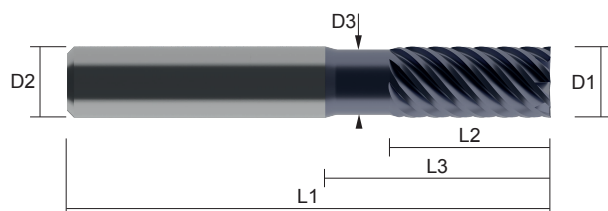


| D1<br>h9 | D2<br>h6 | L2 | L1 | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|----|---|-----------------------------|
| 4,00     | 6,00     | 10 | 54 | 6 | BAH.040.00                  |
| 5,00     | 6,00     | 10 | 54 | 6 | BAH.050.00                  |
| 6,00     | 6,00     | 10 | 54 | 6 | BAH.060.00                  |
| 7,00     | 8,00     | 12 | 58 | 6 | BAH.070.00                  |
| 8,00     | 8,00     | 12 | 58 | 6 | BAH.080.00                  |
| 9,00     | 10,00    | 14 | 66 | 6 | BAH.090.00                  |
| 10,00    | 10,00    | 14 | 66 | 6 | BAH.100.00                  |
| 12,00    | 12,00    | 16 | 73 | 6 | BAH.120.00                  |
| 16,00    | 16,00    | 20 | 82 | 8 | BAH.160.00                  |
| 20,00    | 20,00    | 25 | 92 | 8 | BAH.200.00                  |

## VHM-Schlichtfräser HSC

Solid carbide finishing mill HSC

Artikel-Nr. BBZ...

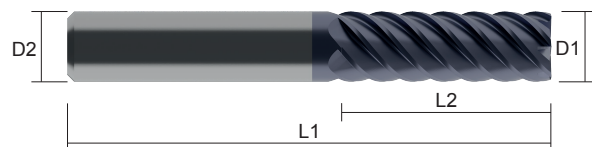


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|----|---|-----------------------------|
| 3,00     | 6,00     | 8  | 57  | 2,80  | 11 | 6 | BBZ.031.00                  |
| 4,00     | 6,00     | 11 | 57  | 3,70  | 16 | 6 | BBZ.041.00                  |
| 5,00     | 6,00     | 13 | 57  | 4,70  | 18 | 6 | BBZ.051.00                  |
| 6,00     | 6,00     | 13 | 57  | 5,60  | 18 | 6 | BBZ.061.00                  |
| 8,00     | 8,00     | 19 | 63  | 7,50  | 27 | 6 | BBZ.081.00                  |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 6 | BBZ.101.00                  |
| 12,00    | 12,00    | 26 | 83  | 11,00 | 36 | 6 | BBZ.121.00                  |
| 16,00    | 16,00    | 32 | 92  | 15,00 | 42 | 8 | BBZ.161.00                  |
| 20,00    | 20,00    | 38 | 104 | 19,00 | 48 | 8 | BBZ.201.00                  |

## VHM-Schlichtfräser HSC

Solid carbide finishing mill HSC

Artikel-Nr. BBA...

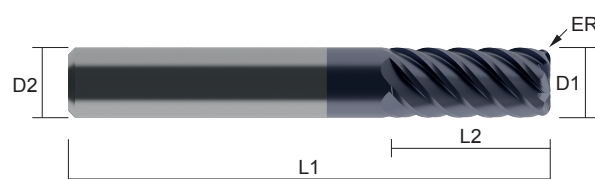
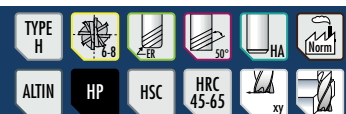


| D1<br>h9 | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|---|-----------------------------|
| 6,00     | 6,00     | 18 | 57  | 6 | BBA.060.00                  |
| 8,00     | 8,00     | 24 | 63  | 6 | BBA.080.00                  |
| 10,00    | 10,00    | 30 | 75  | 6 | BBA.100.00                  |
| 12,00    | 12,00    | 36 | 83  | 6 | BBA.120.00                  |
| 12,00    | 12,00    | 36 | 150 | 6 | BBA.120.02                  |
| 16,00    | 16,00    | 48 | 104 | 8 | BBA.160.00                  |
| 16,00    | 16,00    | 65 | 150 | 8 | BBA.160.02                  |
| 20,00    | 20,00    | 55 | 110 | 8 | BBA.200.00                  |
| 20,00    | 20,00    | 65 | 150 | 8 | BBA.200.02                  |

## VHM-Torus-Schlichtfräser HSC

Solid carbide torus finishing mill HSC

Artikel-Nr. CZH...

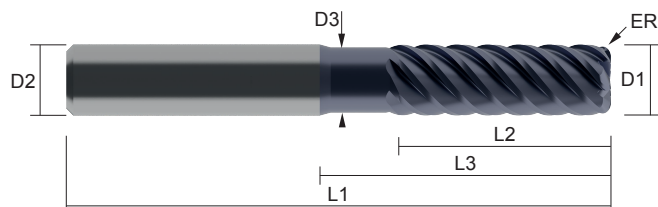


| D1<br>h9 | D2<br>h6 | L2 | L1  | ER   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|------|---|-----------------------------|
| 6,00     | 6,00     | 13 | 57  | 0,50 | 6 | CZH.060.05                  |
| 6,00     | 6,00     | 13 | 57  | 1,00 | 6 | CZH.060.10                  |
| 8,00     | 8,00     | 19 | 63  | 0,50 | 6 | CZH.080.05                  |
| 8,00     | 8,00     | 19 | 63  | 1,00 | 6 | CZH.080.10                  |
| 10,00    | 10,00    | 22 | 72  | 0,50 | 6 | CZH.100.05                  |
| 10,00    | 10,00    | 22 | 72  | 1,00 | 6 | CZH.100.10                  |
| 12,00    | 12,00    | 26 | 83  | 0,50 | 6 | CZH.120.05                  |
| 12,00    | 12,00    | 26 | 83  | 1,00 | 6 | CZH.120.10                  |
| 12,00    | 12,00    | 26 | 83  | 1,50 | 6 | CZH.120.15                  |
| 12,00    | 12,00    | 26 | 83  | 2,00 | 6 | CZH.120.20                  |
| 12,00    | 12,00    | 26 | 83  | 2,50 | 6 | CZH.120.25                  |
| 16,00    | 16,00    | 32 | 92  | 0,50 | 8 | CZH.160.05                  |
| 16,00    | 16,00    | 32 | 92  | 1,00 | 8 | CZH.160.10                  |
| 16,00    | 16,00    | 32 | 92  | 2,00 | 8 | CZH.160.20                  |
| 20,00    | 20,00    | 38 | 104 | 2,00 | 8 | CZH.200.20                  |

# VHM-Torus-Schlichtfräser HSC

Solid carbide torus finishing mill HSC

Artikel-Nr. CZI...

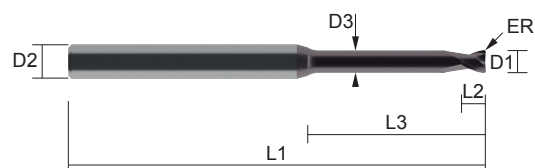
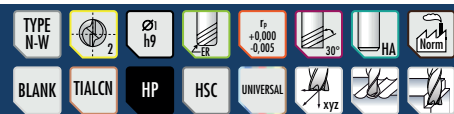


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | ER   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|
| 6,00     | 6,00     | 18 | 62  | 5,60  | 26 | 0,50 | 6 | CZI.061.05                  |
| 8,00     | 8,00     | 24 | 68  | 7,50  | 32 | 0,50 | 6 | CZI.081.05                  |
| 8,00     | 8,00     | 24 | 68  | 7,50  | 32 | 1,00 | 6 | CZI.081.10                  |
| 10,00    | 10,00    | 30 | 80  | 9,50  | 40 | 0,50 | 6 | CZI.101.05                  |
| 10,00    | 10,00    | 30 | 80  | 9,50  | 40 | 1,00 | 6 | CZI.101.10                  |
| 10,00    | 10,00    | 30 | 80  | 9,50  | 40 | 1,50 | 6 | CZI.101.15                  |
| 12,00    | 12,00    | 36 | 93  | 11,00 | 48 | 0,50 | 6 | CZI.121.05                  |
| 12,00    | 12,00    | 36 | 93  | 11,00 | 48 | 1,00 | 6 | CZI.121.10                  |
| 12,00    | 12,00    | 36 | 93  | 11,00 | 48 | 1,50 | 6 | CZI.121.15                  |
| 12,00    | 12,00    | 36 | 93  | 11,00 | 48 | 2,00 | 6 | CZI.121.20                  |
| 16,00    | 16,00    | 48 | 103 | 15,00 | 55 | 0,50 | 8 | CZI.161.05                  |
| 16,00    | 16,00    | 48 | 103 | 15,00 | 55 | 1,00 | 8 | CZI.161.10                  |
| 16,00    | 16,00    | 48 | 103 | 15,00 | 55 | 1,50 | 8 | CZI.161.15                  |
| 16,00    | 16,00    | 48 | 103 | 15,00 | 55 | 2,00 | 8 | CZI.161.20                  |
| 20,00    | 20,00    | 60 | 126 | 19,00 | 76 | 2,00 | 8 | CZI.201.20                  |

# VHM-Mini-Torusfräser HSC

Solid carbide mini torus mill HSC

Artikel-Nr. EEG...



| D1<br>h9 | D2<br>h6 | L2   | L1 | D3   | L3 | ER   | Z | Artikel-Nr./<br>Article-No. | BLANK | TIALCN |
|----------|----------|------|----|------|----|------|---|-----------------------------|-------|--------|
| 0,40     | 3,00     | 0,50 | 55 | 0,38 | 2  | 0,05 | 2 | EEG.041...                  | .09   | .55    |
| 0,40     | 3,00     | 0,50 | 55 | 0,38 | 4  | 0,05 | 2 | EEG.042...                  | .09   | .55    |
| 0,50     | 3,00     | 0,60 | 55 | 0,48 | 3  | 0,05 | 2 | EEG.051...                  | .09   | .55    |
| 0,50     | 3,00     | 0,60 | 55 | 0,48 | 5  | 0,05 | 2 | EEG.052...                  | .09   | .55    |
| 0,60     | 4,00     | 0,80 | 55 | 0,58 | 4  | 0,06 | 2 | EEG.062...                  | .09   | .55    |
| 0,60     | 4,00     | 0,80 | 55 | 0,58 | 6  | 0,06 | 2 | EEG.063...                  | .09   | .55    |
| 0,80     | 4,00     | 1,00 | 55 | 0,77 | 4  | 0,08 | 2 | EEG.081...                  | .09   | .55    |
| 0,80     | 4,00     | 1,00 | 55 | 0,77 | 6  | 0,08 | 2 | EEG.082...                  | .09   | .55    |
| 0,80     | 4,00     | 1,00 | 55 | 0,77 | 8  | 0,08 | 2 | EEG.083...                  | -     | .55    |
| 0,80     | 4,00     | 1,00 | 55 | 0,77 | 10 | 0,08 | 2 | EEG.084...                  | .09   | .55    |
| 1,00     | 4,00     | 1,20 | 55 | 0,95 | 5  | 0,10 | 2 | EEG.101...                  | .09   | .55    |
| 1,00     | 4,00     | 1,20 | 55 | 0,95 | 10 | 0,10 | 2 | EEG.102...                  | .09   | .55    |
| 1,00     | 4,00     | 1,20 | 55 | 0,95 | 15 | 0,10 | 2 | EEG.103...                  | .09   | .55    |
| 1,00     | 4,00     | 1,20 | 55 | 0,95 | 20 | 0,10 | 2 | EEG.104...                  | .09   | .55    |
| 1,00     | 4,00     | 1,20 | 60 | 0,95 | 25 | 0,10 | 2 | EEG.105...                  | .09   | .55    |
| 1,20     | 4,00     | 1,40 | 55 | 1,15 | 6  | 0,12 | 2 | EEG.121...                  | .09   | .55    |
| 1,20     | 4,00     | 1,40 | 55 | 1,15 | 12 | 0,12 | 2 | EEG.122...                  | -     | .55    |
| 1,50     | 4,00     | 1,80 | 55 | 1,44 | 4  | 0,15 | 2 | EEG.151...                  | .09   | .55    |
| 1,50     | 4,00     | 1,80 | 55 | 1,44 | 8  | 0,15 | 2 | EEG.152...                  | .09   | .55    |
| 1,50     | 4,00     | 1,80 | 55 | 1,44 | 12 | 0,15 | 2 | EEG.153...                  | .09   | .55    |
| 1,50     | 4,00     | 1,80 | 55 | 1,44 | 16 | 0,15 | 2 | EEG.154...                  | .09   | .55    |
| 1,50     | 4,00     | 1,80 | 55 | 1,44 | 20 | 0,15 | 2 | EEG.155...                  | .09   | .55    |
| 1,50     | 4,00     | 1,80 | 60 | 1,44 | 25 | 0,15 | 2 | EEG.156...                  | .09   | .55    |
| 2,00     | 4,00     | 2,00 | 65 | 1,92 | 5  | 0,20 | 2 | EEG.201...                  | .09   | .55    |
| 2,00     | 4,00     | 2,00 | 65 | 1,92 | 10 | 0,20 | 2 | EEG.202...                  | .09   | .55    |
| 2,00     | 4,00     | 2,00 | 65 | 1,92 | 15 | 0,20 | 2 | EEG.203...                  | .09   | .55    |
| 2,00     | 4,00     | 2,00 | 75 | 1,92 | 20 | 0,20 | 2 | EEG.204...                  | .09   | .55    |
| 2,00     | 4,00     | 2,00 | 75 | 1,92 | 25 | 0,20 | 2 | EEG.205...                  | .09   | .55    |
| 2,00     | 4,00     | 2,00 | 75 | 1,92 | 30 | 0,20 | 2 | EEG.206...                  | .09   | .55    |
| 3,00     | 4,00     | 3,00 | 65 | 2,90 | 5  | 0,30 | 2 | EEG.301...                  | .09   | .55    |
| 3,00     | 4,00     | 3,00 | 65 | 2,90 | 10 | 0,30 | 2 | EEG.302...                  | .09   | .55    |
| 3,00     | 4,00     | 3,00 | 65 | 2,90 | 15 | 0,30 | 2 | EEG.303...                  | .09   | .55    |
| 3,00     | 4,00     | 3,00 | 65 | 2,90 | 20 | 0,30 | 2 | EEG.304...                  | .09   | .55    |
| 3,00     | 4,00     | 3,00 | 75 | 2,90 | 25 | 0,30 | 2 | EEG.305...                  | .09   | .55    |
| 3,00     | 4,00     | 3,00 | 75 | 2,90 | 30 | 0,30 | 2 | EEG.306...                  | .09   | .55    |
| 4,00     | 6,00     | 4,00 | 65 | 3,90 | 10 | 0,30 | 2 | EEG.401...                  | -     | .55    |
| 4,00     | 6,00     | 4,00 | 65 | 3,90 | 15 | 0,30 | 2 | EEG.402...                  | .09   | .55    |
| 4,00     | 6,00     | 4,00 | 65 | 3,90 | 20 | 0,30 | 2 | EEG.403...                  | .09   | .55    |
| 4,00     | 6,00     | 4,00 | 75 | 3,90 | 25 | 0,30 | 2 | EEG.404...                  | -     | .55    |
| 4,00     | 6,00     | 4,00 | 75 | 3,90 | 30 | 0,30 | 2 | EEG.405...                  | .09   | .55    |

## VHM-Mini-Torusfräser HSC

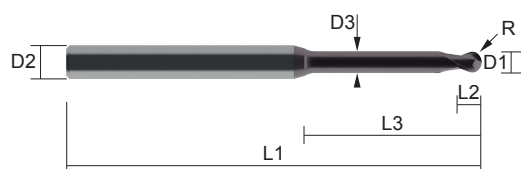
Solid carbide mini torus mill HSC

| Artikel-Nr. EEG... |          |      |    |      |    |      |   |                             |       |        |  |
|--------------------|----------|------|----|------|----|------|---|-----------------------------|-------|--------|--|
| D1<br>h9           | D2<br>h6 | L2   | L1 | D3   | L3 | ER   | Z | Artikel-Nr./<br>Article-No. | BLANK | TIALCN |  |
| 5,00               | 6,00     | 5,00 | 65 | 4,90 | 10 | 0,30 | 2 | EEG.501...                  | -     | .55    |  |
| 5,00               | 6,00     | 5,00 | 65 | 4,90 | 20 | 0,30 | 2 | EEG.502...                  | .09   | .55    |  |
| 5,00               | 6,00     | 5,00 | 75 | 4,90 | 30 | 0,30 | 2 | EEG.503...                  | .09   | .55    |  |
| 5,00               | 6,00     | 5,00 | 90 | 4,90 | 40 | 0,30 | 2 | EEG.504...                  | .09   | .55    |  |
| 6,00               | 6,00     | 6,00 | 65 | 5,90 | 20 | 0,30 | 2 | EEG.602...                  | .09   | .55    |  |
| 6,00               | 6,00     | 6,00 | 75 | 5,90 | 30 | 0,30 | 2 | EEG.603...                  | .09   | .55    |  |
| 6,00               | 6,00     | 6,00 | 90 | 5,90 | 40 | 0,30 | 2 | EEG.604...                  | .09   | .55    |  |
| 6,00               | 6,00     | 6,00 | 90 | 5,90 | 50 | 0,30 | 2 | EEG.605...                  | .09   | .55    |  |

## VHM-Mini-Vollradiusfräser HSC

Solid carbide mini ball nose mill HSC

| Artikel-Nr. EEF...   |          |      |    |      |    |      |   |                             |       |        |  |
|----------------------|----------|------|----|------|----|------|---|-----------------------------|-------|--------|--|
| D1<br>+0,00<br>-0,02 | D2<br>h6 | L2   | L1 | D3   | L3 | R    | Z | Artikel-Nr./<br>Article-No. | BLANK | TIALCN |  |
| 0,40                 | 3,00     | 0,50 | 55 | 0,38 | 2  | 0,20 | 2 | EEF.041...                  | .09   | .55    |  |
| 0,40                 | 3,00     | 0,50 | 55 | 0,38 | 4  | 0,20 | 2 | EEF.042...                  | .09   | .55    |  |
| 0,50                 | 3,00     | 0,60 | 55 | 0,48 | 3  | 0,25 | 2 | EEF.051...                  | .09   | .55    |  |
| 0,50                 | 3,00     | 0,60 | 55 | 0,48 | 5  | 0,25 | 2 | EEF.052...                  | .09   | .55    |  |
| 0,60                 | 4,00     | 0,80 | 55 | 0,58 | 2  | 0,30 | 2 | EEF.061...                  | .09   | .55    |  |
| 0,60                 | 4,00     | 0,80 | 55 | 0,58 | 4  | 0,30 | 2 | EEF.062...                  | .09   | .55    |  |
| 0,60                 | 4,00     | 0,80 | 55 | 0,58 | 6  | 0,30 | 2 | EEF.063...                  | .09   | .55    |  |
| 0,80                 | 4,00     | 1,00 | 55 | 0,77 | 4  | 0,40 | 2 | EEF.081...                  | .09   | .55    |  |
| 0,80                 | 4,00     | 1,00 | 55 | 0,77 | 6  | 0,40 | 2 | EEF.082...                  | -     | .55    |  |
| 0,80                 | 4,00     | 1,00 | 55 | 0,77 | 8  | 0,40 | 2 | EEF.083...                  | -     | .55    |  |
| 0,80                 | 4,00     | 1,00 | 55 | 0,77 | 10 | 0,40 | 2 | EEF.084...                  | .09   | .55    |  |
| 1,00                 | 4,00     | 1,20 | 55 | 0,95 | 5  | 0,50 | 2 | EEF.101...                  | .09   | .55    |  |
| 1,00                 | 4,00     | 1,20 | 55 | 0,95 | 10 | 0,50 | 2 | EEF.102...                  | .09   | .55    |  |
| 1,00                 | 4,00     | 1,20 | 55 | 0,95 | 15 | 0,50 | 2 | EEF.103...                  | .09   | .55    |  |
| 1,00                 | 4,00     | 1,20 | 55 | 0,95 | 20 | 0,50 | 2 | EEF.104...                  | .09   | .55    |  |
| 1,00                 | 4,00     | 1,20 | 60 | 0,95 | 25 | 0,50 | 2 | EEF.105...                  | .09   | .55    |  |



# VHM-Mini-Vollradiusfräser HSC

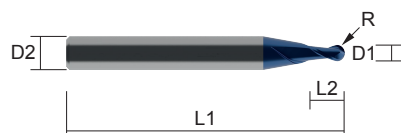
Solid carbide mini ball nose mill HSC

| Artikel-Nr. EEF...   |          |      |    |      |    |      |   |                             |       |        |
|----------------------|----------|------|----|------|----|------|---|-----------------------------|-------|--------|
| D1<br>+0,00<br>-0,02 | D2<br>h6 | L2   | L1 | D3   | L3 | R    | Z | Artikel-Nr./<br>Article-No. | BLANK | TIALCN |
| 1,20                 | 4,00     | 1,40 | 55 | 1,15 | 6  | 0,60 | 2 | EEF.121...                  | -     | .55    |
| 1,20                 | 4,00     | 1,40 | 55 | 1,15 | 12 | 0,60 | 2 | EEF.122...                  | -     | .55    |
| 1,20                 | 4,00     | 1,40 | 55 | 1,15 | 18 | 0,60 | 2 | EEF.123...                  | -     | .55    |
| 1,50                 | 4,00     | 1,80 | 55 | 1,44 | 4  | 0,75 | 2 | EEF.151...                  | .09   | .55    |
| 1,50                 | 4,00     | 1,80 | 55 | 1,44 | 8  | 0,75 | 2 | EEF.152...                  | .09   | .55    |
| 1,50                 | 4,00     | 1,80 | 55 | 1,44 | 12 | 0,75 | 2 | EEF.153...                  | .09   | .55    |
| 1,50                 | 4,00     | 1,80 | 55 | 1,44 | 16 | 0,75 | 2 | EEF.154...                  | .09   | .55    |
| 1,50                 | 4,00     | 1,80 | 55 | 1,44 | 20 | 0,75 | 2 | EEF.155...                  | .09   | .55    |
| 1,50                 | 4,00     | 1,80 | 60 | 1,44 | 25 | 0,75 | 2 | EEF.156...                  | .09   | .55    |
| 2,00                 | 4,00     | 2,00 | 65 | 1,92 | 5  | 1,00 | 2 | EEF.201...                  | .09   | .55    |
| 2,00                 | 4,00     | 2,00 | 65 | 1,92 | 10 | 1,00 | 2 | EEF.202...                  | .09   | .55    |
| 2,00                 | 4,00     | 2,00 | 65 | 1,92 | 15 | 1,00 | 2 | EEF.203...                  | .09   | .55    |
| 2,00                 | 4,00     | 2,00 | 65 | 1,92 | 20 | 1,00 | 2 | EEF.204...                  | .09   | .55    |
| 2,00                 | 4,00     | 2,00 | 75 | 1,92 | 25 | 1,00 | 2 | EEF.205...                  | .09   | .55    |
| 2,00                 | 4,00     | 2,00 | 75 | 1,92 | 30 | 1,00 | 2 | EEF.206...                  | .09   | .55    |
| 3,00                 | 4,00     | 3,00 | 65 | 2,90 | 5  | 1,50 | 2 | EEF.301...                  | -     | .55    |
| 3,00                 | 4,00     | 3,00 | 65 | 2,90 | 10 | 1,50 | 2 | EEF.302...                  | .09   | .55    |
| 3,00                 | 4,00     | 3,00 | 65 | 2,90 | 15 | 1,50 | 2 | EEF.303...                  | .09   | .55    |
| 3,00                 | 4,00     | 3,00 | 65 | 2,90 | 20 | 1,50 | 2 | EEF.304...                  | .09   | .55    |
| 3,00                 | 4,00     | 3,00 | 75 | 2,90 | 25 | 1,50 | 2 | EEF.305...                  | .09   | .55    |
| 3,00                 | 4,00     | 3,00 | 75 | 2,90 | 30 | 1,50 | 2 | EEF.306...                  | .09   | .55    |
| 4,00                 | 6,00     | 4,00 | 65 | 3,90 | 10 | 2,00 | 2 | EEF.401...                  | -     | .55    |
| 4,00                 | 6,00     | 4,00 | 65 | 3,90 | 15 | 2,00 | 2 | EEF.402...                  | .09   | .55    |
| 4,00                 | 6,00     | 4,00 | 65 | 3,90 | 20 | 2,00 | 2 | EEF.403...                  | .09   | .55    |
| 4,00                 | 6,00     | 4,00 | 75 | 3,90 | 25 | 2,00 | 2 | EEF.404...                  | .09   | .55    |
| 4,00                 | 6,00     | 4,00 | 75 | 3,90 | 30 | 2,00 | 2 | EEF.405...                  | .09   | .55    |
| 5,00                 | 6,00     | 5,00 | 65 | 4,90 | 10 | 2,50 | 2 | EEF.501...                  | .09   | .55    |
| 5,00                 | 6,00     | 5,00 | 65 | 4,90 | 20 | 2,50 | 2 | EEF.502...                  | .09   | .55    |
| 5,00                 | 6,00     | 5,00 | 75 | 4,90 | 30 | 2,50 | 2 | EEF.503...                  | .09   | .55    |
| 6,00                 | 6,00     | 6,00 | 65 | 5,90 | 10 | 3,00 | 2 | EEF.601...                  | .09   | .55    |
| 6,00                 | 6,00     | 6,00 | 65 | 5,90 | 20 | 3,00 | 2 | EEF.602...                  | .09   | .55    |
| 6,00                 | 6,00     | 6,00 | 75 | 5,90 | 30 | 3,00 | 2 | EEF.603...                  | .09   | .55    |
| 6,00                 | 6,00     | 6,00 | 90 | 5,90 | 40 | 3,00 | 2 | EEF.604...                  | .09   | .55    |
| 6,00                 | 6,00     | 6,00 | 90 | 5,90 | 50 | 3,00 | 2 | EEF.605...                  | .09   | .55    |

# VHM-Vollradiusfräser HSC

Solid carbide ball nose mill HSC

Artikel-Nr. ECA...

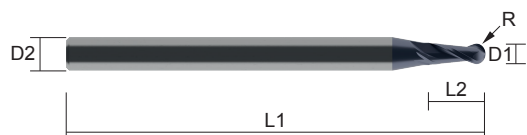


| D1<br>+0,000<br>- 0,015 | D2<br>h6 | L2    | L1 | R     | Z | Artikel-Nr./<br>Article-No. |
|-------------------------|----------|-------|----|-------|---|-----------------------------|
| 0,25                    | 4,00     | 0,50  | 50 | 0,13  | 2 | ECA.002.00                  |
| 0,30                    | 4,00     | 1,00  | 50 | 0,15  | 2 | ECA.003.00                  |
| 0,40                    | 4,00     | 1,00  | 50 | 0,20  | 2 | ECA.004.00                  |
| 0,50                    | 4,00     | 1,50  | 50 | 0,25  | 2 | ECA.005.00                  |
| 0,60                    | 4,00     | 1,50  | 50 | 0,30  | 2 | ECA.006.00                  |
| 0,70                    | 4,00     | 2,00  | 50 | 0,35  | 2 | ECA.007.00                  |
| 0,80                    | 4,00     | 2,00  | 50 | 0,40  | 2 | ECA.008.00                  |
| 0,90                    | 4,00     | 2,50  | 50 | 0,45  | 2 | ECA.009.00                  |
| 1,00                    | 4,00     | 3,00  | 50 | 0,50  | 2 | ECA.010.00                  |
| 1,10                    | 4,00     | 3,00  | 50 | 0,55  | 2 | ECA.011.00                  |
| 1,20                    | 4,00     | 3,00  | 50 | 0,60  | 2 | ECA.012.00                  |
| 1,40                    | 4,00     | 4,00  | 50 | 0,70  | 2 | ECA.014.00                  |
| 1,50                    | 4,00     | 4,00  | 50 | 0,75  | 2 | ECA.015.00                  |
| 1,60                    | 4,00     | 5,00  | 50 | 0,80  | 2 | ECA.016.00                  |
| 1,80                    | 4,00     | 5,00  | 50 | 0,90  | 2 | ECA.018.00                  |
| 2,00                    | 4,00     | 5,00  | 50 | 1,00  | 2 | ECA.020.00                  |
| 2,50                    | 4,00     | 5,00  | 50 | 1,25  | 2 | ECA.025.00                  |
| 3,00                    | 6,00     | 6,00  | 50 | 1,50  | 2 | ECA.030.00                  |
| 4,00                    | 6,00     | 8,00  | 54 | 2,00  | 2 | ECA.040.00                  |
| 5,00                    | 6,00     | 9,00  | 54 | 2,50  | 2 | ECA.050.00                  |
| 6,00                    | 6,00     | 10,00 | 54 | 3,00  | 2 | ECA.060.00                  |
| 8,00                    | 8,00     | 12,00 | 58 | 4,00  | 2 | ECA.080.00                  |
| 10,00                   | 10,00    | 14,00 | 66 | 5,00  | 2 | ECA.100.00                  |
| 12,00                   | 12,00    | 16,00 | 73 | 6,00  | 2 | ECA.120.00                  |
| 14,00                   | 14,00    | 18,00 | 75 | 7,00  | 2 | ECA.140.00                  |
| 16,00                   | 16,00    | 20,00 | 82 | 8,00  | 2 | ECA.160.00                  |
| 20,00                   | 20,00    | 24,00 | 92 | 10,00 | 2 | ECA.200.00                  |

# VHM-Mini-Vollradiusfräser HSC

Solid carbide mini ball nose mill HSC

Artikel-Nr. ECB...

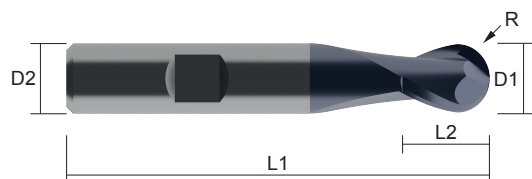


| D1<br>+0,00<br>-0,02 | D2<br>h6 | L2   | L1 | R    | Z | Artikel-Nr./<br>Article-No. | BLANK | TIALN |
|----------------------|----------|------|----|------|---|-----------------------------|-------|-------|
| 0,20                 | 3,00     | 0,50 | 38 | 0,10 | 2 | ECB.020...                  | -     | .00   |
| 0,30                 | 3,00     | 1,00 | 38 | 0,15 | 2 | ECB.030...                  | .09   | .00   |
| 0,40                 | 3,00     | 1,00 | 38 | 0,20 | 2 | ECB.040...                  | .09   | .00   |
| 0,50                 | 3,00     | 1,50 | 38 | 0,25 | 2 | ECB.050...                  | .09   | .00   |
| 0,60                 | 3,00     | 1,50 | 38 | 0,30 | 2 | ECB.060...                  | .09   | .00   |
| 0,70                 | 3,00     | 2,00 | 38 | 0,35 | 2 | ECB.070...                  | .09   | .00   |
| 0,80                 | 3,00     | 2,00 | 38 | 0,40 | 2 | ECB.080...                  | .09   | .00   |
| 0,90                 | 3,00     | 2,50 | 38 | 0,45 | 2 | ECB.090...                  | -     | .00   |
| 1,00                 | 3,00     | 3,00 | 38 | 0,50 | 2 | ECB.100...                  | .09   | .00   |
| 1,10                 | 3,00     | 3,00 | 38 | 0,55 | 2 | ECB.110...                  | -     | .00   |
| 1,20                 | 3,00     | 3,00 | 38 | 0,60 | 2 | ECB.120...                  | .09   | .00   |
| 1,40                 | 3,00     | 4,00 | 38 | 0,70 | 2 | ECB.140...                  | -     | .00   |
| 1,50                 | 3,00     | 4,00 | 38 | 0,75 | 2 | ECB.150...                  | .09   | .00   |
| 1,60                 | 3,00     | 5,00 | 38 | 0,80 | 2 | ECB.160...                  | .09   | .00   |
| 1,80                 | 3,00     | 5,00 | 38 | 0,90 | 2 | ECB.180...                  | .09   | .00   |
| 2,00                 | 3,00     | 5,00 | 38 | 1,00 | 2 | ECB.200...                  | .09   | .00   |

# VHM-Vollradiusfräser HSC extra kurz

Solid carbide ball nose mill HSC extra short

Artikel-Nr. EAA...

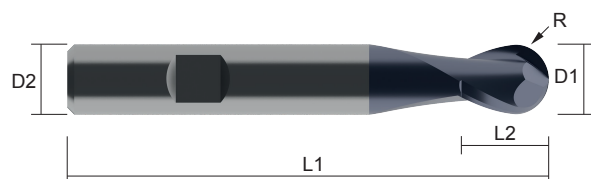


| D1<br>+0,00<br>-0,02 | D2<br>h6 | L2 | L1 | R     | Z | Artikel-Nr./<br>Article-No. |
|----------------------|----------|----|----|-------|---|-----------------------------|
| 1,00                 | 6,00     | 3  | 50 | 0,50  | 2 | EAA.010.00                  |
| 2,00                 | 6,00     | 4  | 50 | 1,00  | 2 | EAA.020.00                  |
| 2,50                 | 6,00     | 4  | 50 | 1,25  | 2 | EAA.025.00                  |
| 3,00                 | 6,00     | 5  | 50 | 1,50  | 2 | EAA.030.00                  |
| 3,50                 | 6,00     | 5  | 50 | 1,75  | 2 | EAA.035.00                  |
| 4,00                 | 6,00     | 6  | 54 | 2,00  | 2 | EAA.040.00                  |
| 4,50                 | 6,00     | 6  | 54 | 2,25  | 2 | EAA.045.00                  |
| 5,00                 | 6,00     | 7  | 54 | 2,50  | 2 | EAA.050.00                  |
| 6,00                 | 6,00     | 9  | 54 | 3,00  | 2 | EAA.060.00                  |
| 8,00                 | 8,00     | 12 | 58 | 4,00  | 2 | EAA.080.00                  |
| 10,00                | 10,00    | 14 | 66 | 5,00  | 2 | EAA.100.00                  |
| 12,00                | 12,00    | 14 | 73 | 6,00  | 2 | EAA.120.00                  |
| 14,00                | 14,00    | 16 | 75 | 7,00  | 2 | EAA.140.00                  |
| 16,00                | 16,00    | 18 | 82 | 8,00  | 2 | EAA.160.00                  |
| 18,00                | 18,00    | 20 | 88 | 9,00  | 2 | EAA.180.00                  |
| 20,00                | 20,00    | 22 | 92 | 10,00 | 2 | EAA.200.00                  |

## VHM-Vollradiusfräser HSC kurz

Solid carbide ball nose mill HSC short

Artikel-Nr. EAB...



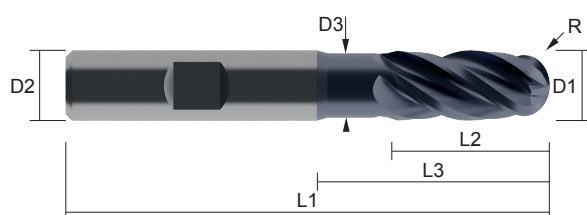
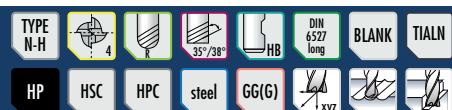
| D1<br>+0,00<br>-0,02 | D2<br>h6 | L2 | L1  | R     | Z | Artikel-Nr./<br>Article-No. | BLANK | TIALN |
|----------------------|----------|----|-----|-------|---|-----------------------------|-------|-------|
| 3,00                 | 3,00     | 7  | 38  | 1,50  | 2 | EAB.030...                  | -     | .00   |
| 4,00                 | 4,00     | 14 | 50  | 2,00  | 2 | EAB.040...                  | .09   | .00   |
| 5,00                 | 6,00     | 16 | 50  | 2,50  | 2 | EAB.050...                  | .09   | .00   |
| 6,00                 | 6,00     | 19 | 57  | 3,00  | 2 | EAB.060...                  | .09   | .00   |
| 8,00                 | 8,00     | 20 | 63  | 4,00  | 2 | EAB.080...                  | -     | .00   |
| 10,00                | 10,00    | 21 | 72  | 5,00  | 2 | EAB.100...                  | .09   | .00   |
| 12,00                | 12,00    | 25 | 83  | 6,00  | 2 | EAB.120...                  | -     | .00   |
| 16,00                | 16,00    | 32 | 92  | 8,00  | 2 | EAB.160...                  | -     | .00   |
| 20,00                | 20,00    | 38 | 104 | 10,00 | 2 | EAB.200...                  | -     | .00   |

## VHM-Vollradiusfräser HSC

Solid carbide ball nose mill HSC



Artikel-Nr. GCI...



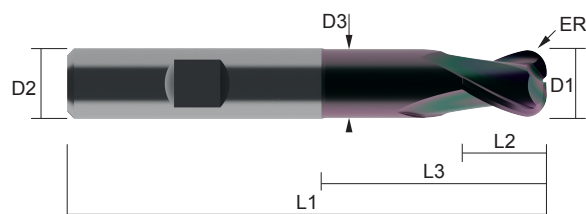
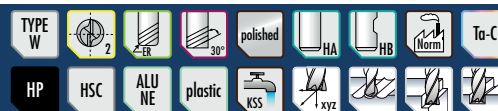
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | R     | Z | Artikel-Nr./<br>Article-No. | BLANK | TIALN |
|----------|----------|----|-----|-------|----|-------|---|-----------------------------|-------|-------|
| 3,00     | 6,00     | 8  | 57  | 2,80  | 18 | 1,50  | 4 | GCI.031...                  | .09   | .10   |
| 4,00     | 6,00     | 10 | 57  | 3,70  | 21 | 2,00  | 4 | GCI.041...                  | .09   | .10   |
| 5,00     | 6,00     | 13 | 57  | 4,70  | 21 | 2,50  | 4 | GCI.051...                  | -     | .10   |
| 6,00     | 6,00     | 13 | 57  | 5,50  | 21 | 3,00  | 4 | GCI.061...                  | .09   | .10   |
| 8,00     | 8,00     | 16 | 63  | 7,50  | 27 | 4,00  | 4 | GCI.081...                  | .09   | .10   |
| 10,00    | 10,00    | 22 | 72  | 9,50  | 32 | 5,00  | 4 | GCI.101...                  | -     | .10   |
| 12,00    | 12,00    | 26 | 83  | 11,00 | 38 | 6,00  | 4 | GCI.121...                  | -     | .10   |
| 14,00    | 14,00    | 26 | 83  | 13,00 | 38 | 7,00  | 4 | GCI.141...                  | -     | .10   |
| 16,00    | 16,00    | 32 | 92  | 15,00 | 44 | 8,00  | 4 | GCI.161...                  | -     | .10   |
| 20,00    | 20,00    | 38 | 104 | 19,00 | 54 | 10,00 | 4 | GCI.201...                  | -     | .10   |

# VHM-Torusfräser HSC kurz

Solid carbide torus mill HSC short

**1<sup>ST</sup>**  
CHOICE

Artikel-Nr. DZ9...



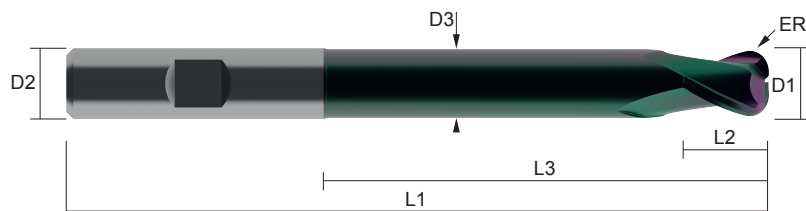
| D1<br>h9 | D2<br>h6 | L2 | L1 | D3    | L3 | ER   | Z | Artikel-Nr./<br>Article-No. | BLANK | TIALN |
|----------|----------|----|----|-------|----|------|---|-----------------------------|-------|-------|
| 3,00     | 6,00     | 4  | 50 | 2,90  | 14 | 0,30 | 2 | DZ9.030...                  | .00   | .10   |
| 4,00     | 6,00     | 5  | 50 | 3,90  | 16 | 0,30 | 2 | DZ9.040...                  | .00   | .10   |
| 5,00     | 6,00     | 6  | 54 | 4,90  | 18 | 0,30 | 2 | DZ9.050...                  | .00   | .10   |
| 6,00     | 6,00     | 7  | 57 | 5,80  | 21 | 0,30 | 2 | DZ9.060...                  | .00   | .10   |
| 6,00     | 6,00     | 7  | 57 | 5,80  | 21 | 1,00 | 2 | DZ9.061...                  | .00   | .10   |
| 6,00     | 6,00     | 7  | 57 | 5,80  | 21 | 2,00 | 2 | DZ9.062...                  | .00   | .10   |
| 8,00     | 8,00     | 9  | 63 | 7,80  | 27 | 0,30 | 2 | DZ9.080...                  | .00   | .10   |
| 8,00     | 8,00     | 9  | 63 | 7,80  | 27 | 1,00 | 2 | DZ9.081...                  | .00   | .10   |
| 8,00     | 8,00     | 9  | 63 | 7,80  | 27 | 2,00 | 2 | DZ9.082...                  | .00   | .10   |
| 10,00    | 10,00    | 11 | 72 | 9,70  | 32 | 0,30 | 2 | DZ9.100...                  | .00   | .10   |
| 10,00    | 10,00    | 11 | 72 | 9,70  | 32 | 1,50 | 2 | DZ9.101...                  | .00   | .10   |
| 10,00    | 10,00    | 11 | 72 | 9,70  | 32 | 3,00 | 2 | DZ9.102...                  | .00   | .10   |
| 12,00    | 12,00    | 13 | 83 | 11,70 | 38 | 1,50 | 2 | DZ9.120...                  | .00   | .10   |
| 12,00    | 12,00    | 13 | 83 | 11,70 | 38 | 4,00 | 2 | DZ9.121...                  | .00   | .10   |
| 16,00    | 16,00    | 17 | 92 | 15,70 | 44 | 2,00 | 2 | DZ9.160...                  | .00   | .10   |
| 16,00    | 16,00    | 17 | 92 | 15,70 | 44 | 5,00 | 2 | DZ9.161...                  | .00   | .10   |

# VHM-Torusfräser HSC lang

Solid carbide torus mill HSC long

1<sup>ST</sup> CHOICE

Artikel-Nr. DZ8...



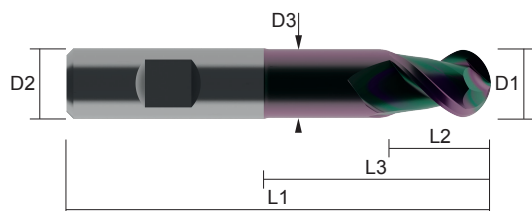
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | ER   | Z | Artikel-Nr./<br>Article-No. | BLANK | TIALN |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|-------|-------|
| 3,00     | 6,00     | 4  | 75  | 2,90  | 32 | 0,30 | 2 | DZ8.030...                  | .00   | .10   |
| 4,00     | 6,00     | 5  | 75  | 3,90  | 36 | 0,30 | 2 | DZ8.040...                  | .00   | .10   |
| 5,00     | 6,00     | 6  | 75  | 4,90  | 40 | 0,30 | 2 | DZ8.050...                  | .00   | .10   |
| 6,00     | 6,00     | 7  | 80  | 5,80  | 44 | 0,30 | 2 | DZ8.060...                  | .00   | .10   |
| 6,00     | 6,00     | 7  | 80  | 5,80  | 44 | 1,00 | 2 | DZ8.061...                  | .00   | .10   |
| 6,00     | 6,00     | 7  | 80  | 5,80  | 44 | 2,00 | 2 | DZ8.062...                  | .00   | .10   |
| 8,00     | 8,00     | 9  | 100 | 7,80  | 54 | 0,30 | 2 | DZ8.080...                  | .00   | .10   |
| 8,00     | 8,00     | 9  | 100 | 7,80  | 54 | 1,00 | 2 | DZ8.081...                  | .00   | .10   |
| 8,00     | 8,00     | 9  | 100 | 7,80  | 54 | 2,00 | 2 | DZ8.082...                  | .00   | .10   |
| 10,00    | 10,00    | 11 | 100 | 9,70  | 60 | 0,30 | 2 | DZ8.100...                  | .00   | .10   |
| 10,00    | 10,00    | 11 | 100 | 9,70  | 60 | 1,50 | 2 | DZ8.101...                  | .00   | .10   |
| 10,00    | 10,00    | 11 | 100 | 9,70  | 60 | 3,00 | 2 | DZ8.102...                  | .00   | .10   |
| 12,00    | 12,00    | 13 | 120 | 11,70 | 75 | 1,50 | 2 | DZ8.120...                  | .00   | .10   |
| 12,00    | 12,00    | 13 | 120 | 11,70 | 75 | 4,00 | 2 | DZ8.121...                  | .00   | .10   |
| 16,00    | 16,00    | 17 | 150 | 15,70 | 92 | 2,00 | 2 | DZ8.160...                  | .00   | .10   |
| 16,00    | 16,00    | 17 | 150 | 15,70 | 92 | 5,00 | 2 | DZ8.161...                  | .00   | .10   |

## VHM-Vollradiusfräser HSC kurz

Solid carbide ball nose mill HSC short

1<sup>ST</sup>  
CHOICE

Artikel-Nr. DA1...



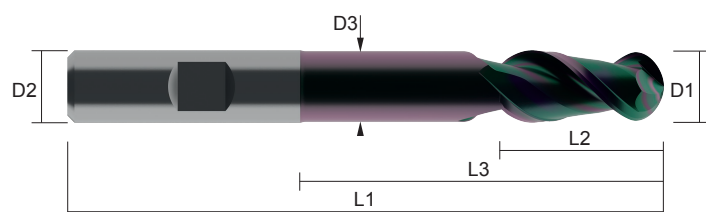
| D1<br>h9 | D2<br>h6 | L2 | L1 | D3    | L3 | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|----|-------|----|---|-----------------------------|-----|-----|
| 3,00     | 3,00     | 6  | 50 | 2,90  | 16 | 2 | DA1.030...                  | .00 | -   |
| 4,00     | 4,00     | 7  | 54 | 3,90  | 17 | 2 | DA1.040...                  | .00 | -   |
| 5,00     | 5,00     | 8  | 54 | 4,90  | 18 | 2 | DA1.050...                  | .00 | -   |
| 6,00     | 6,00     | 10 | 54 | 5,80  | 21 | 2 | DA1.060...                  | .00 | .10 |
| 8,00     | 8,00     | 12 | 59 | 7,80  | 27 | 2 | DA1.080...                  | .00 | .10 |
| 10,00    | 10,00    | 13 | 67 | 9,80  | 32 | 2 | DA1.100...                  | .00 | .10 |
| 12,00    | 12,00    | 16 | 73 | 11,70 | 38 | 2 | DA1.120...                  | .00 | .10 |
| 16,00    | 16,00    | 20 | 83 | 15,70 | 44 | 2 | DA1.160...                  | .00 | .10 |

## VHM-Vollradiusfräser HSC lang

Solid carbide ball nose mill HSC long

1<sup>ST</sup>  
CHOICE

Artikel-Nr. DA2...



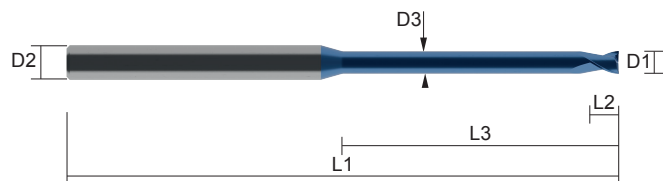
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-------|----|---|-----------------------------|-----|-----|
| 1,00     | 3,00     | 2  | 60  | 0,90  | 15 | 2 | DA2.010...                  | .00 | -   |
| 2,00     | 3,00     | 4  | 60  | 1,90  | 20 | 2 | DA2.020...                  | .00 | -   |
| 3,00     | 3,00     | 10 | 75  | 2,90  | 32 | 2 | DA2.030...                  | .00 | -   |
| 4,00     | 4,00     | 13 | 75  | 3,90  | 36 | 2 | DA2.040...                  | .00 | -   |
| 5,00     | 5,00     | 15 | 75  | 4,90  | 40 | 2 | DA2.050...                  | .00 | -   |
| 6,00     | 6,00     | 16 | 100 | 5,80  | 44 | 2 | DA2.060...                  | .00 | .10 |
| 8,00     | 8,00     | 22 | 100 | 7,80  | 54 | 2 | DA2.080...                  | .00 | .10 |
| 10,00    | 10,00    | 25 | 100 | 9,80  | 60 | 2 | DA2.100...                  | .00 | .10 |
| 12,00    | 12,00    | 26 | 100 | 11,70 | 60 | 2 | DA2.120...                  | .00 | .10 |
| 16,00    | 16,00    | 30 | 150 | 15,70 | 92 | 2 | DA2.160...                  | .00 | .10 |

# VHM-Mini-Schaftfräser HSC

Solid carbide mini end mill HSC

**1<sup>ST</sup>**  
CHOICE

Artikel-Nr. EGA...



| D1<br>+0,000<br>-0,005 | D2<br>h6 | L2   | L1 | D3    | L3    | Z | Artikel-Nr./<br>Article-No. |
|------------------------|----------|------|----|-------|-------|---|-----------------------------|
| 0,10                   | 4,00     | 0,15 | 40 | 0,095 | 0,30  | 2 | EGA.010.01                  |
| 0,10                   | 4,00     | 0,15 | 40 | 0,095 | 0,50  | 2 | EGA.010.02                  |
| 0,20                   | 4,00     | 0,20 | 40 | 0,180 | 0,50  | 2 | EGA.020.01                  |
| 0,20                   | 4,00     | 0,20 | 40 | 0,180 | 1,00  | 2 | EGA.020.02                  |
| 0,20                   | 4,00     | 0,20 | 40 | 0,180 | 1,50  | 2 | EGA.020.03                  |
| 0,20                   | 4,00     | 0,20 | 40 | 0,180 | 2,00  | 2 | EGA.020.04                  |
| 0,20                   | 4,00     | 0,20 | 40 | 0,180 | 2,50  | 2 | EGA.020.05                  |
| 0,20                   | 4,00     | 0,20 | 40 | 0,180 | 3,00  | 2 | EGA.020.06                  |
| D1<br>+0,00<br>-0,01   | D2<br>h6 |      |    |       |       |   |                             |
| 0,30                   | 4,00     | 0,30 | 40 | 0,280 | 1,00  | 2 | EGA.030.01                  |
| 0,30                   | 4,00     | 0,30 | 40 | 0,280 | 1,50  | 2 | EGA.030.02                  |
| 0,30                   | 4,00     | 0,30 | 40 | 0,280 | 2,00  | 2 | EGA.030.03                  |
| 0,30                   | 4,00     | 0,30 | 40 | 0,280 | 2,50  | 2 | EGA.030.04                  |
| 0,30                   | 4,00     | 0,30 | 40 | 0,280 | 3,00  | 2 | EGA.030.05                  |
| 0,30                   | 4,00     | 0,30 | 40 | 0,280 | 3,50  | 2 | EGA.030.06                  |
| 0,30                   | 4,00     | 0,30 | 40 | 0,280 | 4,00  | 2 | EGA.030.07                  |
| 0,40                   | 4,00     | 0,40 | 40 | 0,380 | 1,00  | 2 | EGA.040.01                  |
| 0,40                   | 4,00     | 0,40 | 40 | 0,380 | 1,50  | 2 | EGA.040.02                  |
| 0,40                   | 4,00     | 0,40 | 40 | 0,380 | 2,00  | 2 | EGA.040.03                  |
| 0,40                   | 4,00     | 0,40 | 40 | 0,380 | 2,50  | 2 | EGA.040.04                  |
| 0,40                   | 4,00     | 0,40 | 40 | 0,380 | 3,00  | 2 | EGA.040.05                  |
| 0,40                   | 4,00     | 0,40 | 40 | 0,380 | 3,50  | 2 | EGA.040.06                  |
| 0,40                   | 4,00     | 0,40 | 40 | 0,380 | 4,00  | 2 | EGA.040.07                  |
| 0,40                   | 4,00     | 0,40 | 40 | 0,380 | 5,00  | 2 | EGA.040.08                  |
| 0,40                   | 4,00     | 0,40 | 40 | 0,380 | 6,00  | 2 | EGA.040.09                  |
| 0,40                   | 4,00     | 0,40 | 40 | 0,380 | 8,00  | 2 | EGA.040.10                  |
| 0,50                   | 4,00     | 0,50 | 40 | 0,480 | 1,00  | 2 | EGA.050.01                  |
| 0,50                   | 4,00     | 0,50 | 40 | 0,480 | 2,00  | 2 | EGA.050.02                  |
| 0,50                   | 4,00     | 0,50 | 40 | 0,480 | 3,00  | 2 | EGA.050.03                  |
| 0,50                   | 4,00     | 0,50 | 40 | 0,480 | 4,00  | 2 | EGA.050.04                  |
| 0,50                   | 4,00     | 0,50 | 40 | 0,480 | 5,00  | 2 | EGA.050.05                  |
| 0,50                   | 4,00     | 0,50 | 40 | 0,480 | 6,00  | 2 | EGA.050.06                  |
| 0,50                   | 4,00     | 0,50 | 45 | 0,480 | 8,00  | 2 | EGA.050.07                  |
| 0,50                   | 4,00     | 0,50 | 45 | 0,480 | 10,00 | 2 | EGA.050.08                  |
| 0,60                   | 4,00     | 0,60 | 40 | 0,580 | 1,00  | 2 | EGA.060.01                  |
| 0,60                   | 4,00     | 0,60 | 40 | 0,580 | 2,00  | 2 | EGA.060.02                  |
| 0,60                   | 4,00     | 0,60 | 40 | 0,580 | 3,00  | 2 | EGA.060.03                  |
| 0,60                   | 4,00     | 0,60 | 40 | 0,580 | 4,00  | 2 | EGA.060.04                  |
| 0,60                   | 4,00     | 0,60 | 40 | 0,580 | 5,00  | 2 | EGA.060.05                  |

# VHM-Mini-Schaftfräser HSC

Solid carbide mini end mill HSC



Artikel-Nr. EGA...

| D1<br>+0,00<br>-0,01 | D2<br>h6 | L2   | L1 | D3    | L3    | Z | Artikel-Nr./<br>Article-No. |
|----------------------|----------|------|----|-------|-------|---|-----------------------------|
| 0,60                 | 4,00     | 0,60 | 40 | 0,580 | 6,00  | 2 | EGA.060.06                  |
| 0,60                 | 4,00     | 0,60 | 45 | 0,580 | 8,00  | 2 | EGA.060.07                  |
| 0,60                 | 4,00     | 0,60 | 45 | 0,580 | 10,00 | 2 | EGA.060.08                  |
| 0,70                 | 4,00     | 0,70 | 40 | 0,680 | 2,00  | 2 | EGA.070.01                  |
| 0,70                 | 4,00     | 0,70 | 40 | 0,680 | 4,00  | 2 | EGA.070.02                  |
| 0,70                 | 4,00     | 0,70 | 40 | 0,680 | 6,00  | 2 | EGA.070.03                  |
| 0,70                 | 4,00     | 0,70 | 45 | 0,680 | 8,00  | 2 | EGA.070.04                  |
| 0,70                 | 4,00     | 0,70 | 45 | 0,680 | 10,00 | 2 | EGA.070.05                  |
| 0,80                 | 4,00     | 0,80 | 40 | 0,770 | 1,00  | 2 | EGA.080.01                  |
| 0,80                 | 4,00     | 0,80 | 40 | 0,770 | 2,00  | 2 | EGA.080.02                  |
| 0,80                 | 4,00     | 0,80 | 40 | 0,770 | 3,00  | 2 | EGA.080.03                  |
| 0,80                 | 4,00     | 0,80 | 40 | 0,770 | 4,00  | 2 | EGA.080.04                  |
| 0,80                 | 4,00     | 0,80 | 40 | 0,770 | 5,00  | 2 | EGA.080.05                  |
| 0,80                 | 4,00     | 0,80 | 40 | 0,770 | 6,00  | 2 | EGA.080.06                  |
| 0,80                 | 4,00     | 0,80 | 45 | 0,770 | 8,00  | 2 | EGA.080.07                  |
| 0,80                 | 4,00     | 0,80 | 45 | 0,770 | 10,00 | 2 | EGA.080.08                  |
| 0,80                 | 4,00     | 0,80 | 45 | 0,770 | 12,00 | 2 | EGA.080.09                  |
| 0,90                 | 4,00     | 0,90 | 40 | 0,870 | 4,00  | 2 | EGA.090.01                  |
| 0,90                 | 4,00     | 0,90 | 40 | 0,870 | 6,00  | 2 | EGA.090.02                  |
| 0,90                 | 4,00     | 0,90 | 45 | 0,870 | 8,00  | 2 | EGA.090.03                  |
| 0,90                 | 4,00     | 0,90 | 45 | 0,870 | 10,00 | 2 | EGA.090.04                  |
| 1,00                 | 4,00     | 1,00 | 45 | 0,950 | 2,00  | 2 | EGA.100.01                  |
| 1,00                 | 4,00     | 1,00 | 45 | 0,950 | 3,00  | 2 | EGA.100.02                  |
| 1,00                 | 4,00     | 1,00 | 45 | 0,950 | 4,00  | 2 | EGA.100.03                  |
| 1,00                 | 4,00     | 1,00 | 45 | 0,950 | 5,00  | 2 | EGA.100.04                  |
| 1,00                 | 4,00     | 1,00 | 45 | 0,950 | 6,00  | 2 | EGA.100.05                  |
| 1,00                 | 4,00     | 1,00 | 45 | 0,950 | 8,00  | 2 | EGA.100.06                  |
| 1,00                 | 4,00     | 1,00 | 45 | 0,950 | 10,00 | 2 | EGA.100.07                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,950 | 12,00 | 2 | EGA.100.08                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,950 | 14,00 | 2 | EGA.100.09                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,950 | 16,00 | 2 | EGA.100.10                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,950 | 18,00 | 2 | EGA.100.11                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,950 | 20,00 | 2 | EGA.100.12                  |
| 1,00                 | 4,00     | 1,00 | 60 | 0,950 | 22,00 | 2 | EGA.100.13                  |
| 1,00                 | 4,00     | 1,00 | 60 | 0,950 | 25,00 | 2 | EGA.100.14                  |
| 1,20                 | 4,00     | 1,20 | 45 | 1,150 | 4,00  | 2 | EGA.120.01                  |
| 1,20                 | 4,00     | 1,20 | 45 | 1,150 | 6,00  | 2 | EGA.120.02                  |
| 1,20                 | 4,00     | 1,20 | 45 | 1,150 | 8,00  | 2 | EGA.120.03                  |
| 1,20                 | 4,00     | 1,20 | 45 | 1,150 | 10,00 | 2 | EGA.120.04                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,150 | 12,00 | 2 | EGA.120.05                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,150 | 16,00 | 2 | EGA.120.06                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,150 | 20,00 | 2 | EGA.120.07                  |
| 1,20                 | 4,00     | 1,20 | 60 | 1,150 | 25,00 | 2 | EGA.120.08                  |
| 1,40                 | 4,00     | 1,40 | 60 | 1,350 | 8,00  | 2 | EGA.140.01                  |
| 1,40                 | 4,00     | 1,40 | 45 | 1,350 | 10,00 | 2 | EGA.140.02                  |
| 1,40                 | 4,00     | 1,40 | 50 | 1,350 | 14,00 | 2 | EGA.140.03                  |

# VHM-Mini-Schaftfräser HSC

Solid carbide mini end mill HSC



Artikel-Nr. EGA...

| D1<br>+0,00<br>-0,01 | D2<br>h6 | L2   | L1 | D3    | L3    | Z | Artikel-Nr./<br>Article-No. |
|----------------------|----------|------|----|-------|-------|---|-----------------------------|
| 1,40                 | 4,00     | 1,40 | 50 | 1,350 | 16,00 | 2 | EGA.140.04                  |
| 1,40                 | 4,00     | 1,40 | 50 | 1,350 | 20,00 | 2 | EGA.140.05                  |
| 1,50                 | 4,00     | 1,50 | 45 | 1,350 | 4,00  | 2 | EGA.150.01                  |
| 1,50                 | 4,00     | 1,50 | 45 | 1,450 | 6,00  | 2 | EGA.150.02                  |
| 1,50                 | 4,00     | 1,50 | 45 | 1,450 | 8,00  | 2 | EGA.150.03                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,450 | 10,00 | 2 | EGA.150.04                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,450 | 12,00 | 2 | EGA.150.05                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,450 | 14,00 | 2 | EGA.150.06                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,450 | 16,00 | 2 | EGA.150.07                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,450 | 18,00 | 2 | EGA.150.08                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,450 | 20,00 | 2 | EGA.150.09                  |
| 1,50                 | 4,00     | 1,50 | 60 | 1,450 | 22,00 | 2 | EGA.150.10                  |
| 1,50                 | 4,00     | 1,50 | 60 | 1,450 | 25,00 | 2 | EGA.150.11                  |
| 1,60                 | 4,00     | 1,60 | 45 | 1,550 | 6,00  | 2 | EGA.160.01                  |
| 1,60                 | 4,00     | 1,60 | 50 | 1,550 | 10,00 | 2 | EGA.160.02                  |
| 1,60                 | 4,00     | 1,60 | 50 | 1,550 | 14,00 | 2 | EGA.160.03                  |
| 1,60                 | 4,00     | 1,60 | 50 | 1,550 | 18,00 | 2 | EGA.160.04                  |
| 1,80                 | 4,00     | 1,80 | 50 | 1,750 | 10,00 | 2 | EGA.180.01                  |
| 1,80                 | 4,00     | 1,80 | 50 | 1,750 | 14,00 | 2 | EGA.180.02                  |
| 1,80                 | 4,00     | 1,80 | 50 | 1,750 | 18,00 | 2 | EGA.180.03                  |
| 2,00                 | 4,00     | 2,00 | 45 | 1,920 | 6,00  | 2 | EGA.200.01                  |
| 2,00                 | 4,00     | 2,00 | 45 | 1,920 | 8,00  | 2 | EGA.200.02                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,920 | 10,00 | 2 | EGA.200.03                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,920 | 12,00 | 2 | EGA.200.04                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,920 | 14,00 | 2 | EGA.200.05                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,920 | 16,00 | 2 | EGA.200.06                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,920 | 18,00 | 2 | EGA.200.07                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,920 | 20,00 | 2 | EGA.200.08                  |
| 2,00                 | 4,00     | 2,00 | 60 | 1,920 | 22,00 | 2 | EGA.200.09                  |
| 2,00                 | 4,00     | 2,00 | 60 | 1,920 | 25,00 | 2 | EGA.200.10                  |
| 2,00                 | 4,00     | 2,00 | 60 | 1,920 | 30,00 | 2 | EGA.200.11                  |
| 2,00                 | 4,00     | 2,00 | 70 | 1,920 | 35,00 | 2 | EGA.200.12                  |
| 2,00                 | 4,00     | 2,00 | 80 | 1,920 | 40,00 | 2 | EGA.200.13                  |
| 2,50                 | 4,00     | 2,50 | 50 | 2,400 | 10,00 | 2 | EGA.250.01                  |
| 2,50                 | 4,00     | 2,50 | 50 | 2,400 | 12,00 | 2 | EGA.250.02                  |
| 2,50                 | 4,00     | 2,50 | 50 | 2,400 | 16,00 | 2 | EGA.250.03                  |
| 2,50                 | 4,00     | 2,50 | 50 | 2,400 | 20,00 | 2 | EGA.250.04                  |
| 2,50                 | 4,00     | 2,50 | 60 | 2,400 | 25,00 | 2 | EGA.250.05                  |
| 2,50                 | 4,00     | 2,50 | 70 | 2,400 | 30,00 | 2 | EGA.250.06                  |
| 2,50                 | 4,00     | 2,50 | 70 | 2,400 | 35,00 | 2 | EGA.250.07                  |
| 2,50                 | 4,00     | 2,50 | 80 | 2,400 | 40,00 | 2 | EGA.250.08                  |
| 3,00                 | 6,00     | 3,00 | 45 | 2,900 | 6,00  | 2 | EGA.300.01                  |
| 3,00                 | 6,00     | 3,00 | 45 | 2,900 | 8,00  | 2 | EGA.300.02                  |
| 3,00                 | 6,00     | 3,00 | 50 | 2,900 | 10,00 | 2 | EGA.300.03                  |
| 3,00                 | 6,00     | 3,00 | 50 | 2,900 | 12,00 | 2 | EGA.300.04                  |
| 3,00                 | 6,00     | 3,00 | 55 | 2,900 | 16,00 | 2 | EGA.300.05                  |

# VHM-Mini-Schaftfräser HSC

Solid carbide mini end mill HSC

**1<sup>ST</sup>**  
CHOICE

| Artikel-Nr. EGA...     |          |       |     |       |       |   |                             |
|------------------------|----------|-------|-----|-------|-------|---|-----------------------------|
|                        |          |       |     |       |       |   |                             |
| D1<br>+0,00<br>-0,01   | D2<br>h6 | L2    | L1  | D3    | L3    | Z | Artikel-Nr./<br>Article-No. |
| 3,00                   | 6,00     | 3,00  | 60  | 2,900 | 20,00 | 2 | EGA.300.06                  |
| 3,00                   | 6,00     | 3,00  | 65  | 2,900 | 25,00 | 2 | EGA.300.07                  |
| 3,00                   | 6,00     | 3,00  | 70  | 2,900 | 30,00 | 2 | EGA.300.08                  |
| 3,00                   | 6,00     | 3,00  | 75  | 2,900 | 35,00 | 2 | EGA.300.09                  |
| 3,00                   | 6,00     | 3,00  | 80  | 2,900 | 40,00 | 2 | EGA.300.10                  |
| 3,00                   | 6,00     | 3,00  | 90  | 2,900 | 45,00 | 2 | EGA.300.11                  |
| 3,00                   | 6,00     | 3,00  | 100 | 2,900 | 50,00 | 2 | EGA.300.12                  |
| 4,00                   | 6,00     | 4,00  | 50  | 3,900 | 8,00  | 2 | EGA.400.01                  |
| 4,00                   | 6,00     | 4,00  | 50  | 3,900 | 10,00 | 2 | EGA.400.02                  |
| 4,00                   | 6,00     | 4,00  | 50  | 3,900 | 12,00 | 2 | EGA.400.03                  |
| 4,00                   | 6,00     | 4,00  | 55  | 3,900 | 16,00 | 2 | EGA.400.04                  |
| 4,00                   | 6,00     | 4,00  | 60  | 3,900 | 20,00 | 2 | EGA.400.05                  |
| 4,00                   | 6,00     | 4,00  | 65  | 3,900 | 25,00 | 2 | EGA.400.06                  |
| 4,00                   | 6,00     | 4,00  | 70  | 3,900 | 30,00 | 2 | EGA.400.07                  |
| 4,00                   | 6,00     | 4,00  | 75  | 3,900 | 35,00 | 2 | EGA.400.08                  |
| 4,00                   | 6,00     | 4,00  | 80  | 3,900 | 40,00 | 2 | EGA.400.09                  |
| 4,00                   | 6,00     | 4,00  | 90  | 3,900 | 45,00 | 2 | EGA.400.10                  |
| 4,00                   | 6,00     | 4,00  | 100 | 3,900 | 50,00 | 2 | EGA.400.11                  |
| D1<br>+0,005<br>-0,015 | D2<br>h6 |       |     |       |       |   |                             |
| 5,00                   | 6,00     | 6,00  | 60  | 4,900 | 16,00 | 2 | EGA.500.01                  |
| 5,00                   | 6,00     | 6,00  | 60  | 4,900 | 20,00 | 2 | EGA.500.02                  |
| 5,00                   | 6,00     | 6,00  | 65  | 4,900 | 25,00 | 2 | EGA.500.03                  |
| 5,00                   | 6,00     | 6,00  | 70  | 4,900 | 30,00 | 2 | EGA.500.04                  |
| 5,00                   | 6,00     | 6,00  | 75  | 4,900 | 35,00 | 2 | EGA.500.05                  |
| 5,00                   | 6,00     | 6,00  | 80  | 4,900 | 40,00 | 2 | EGA.500.06                  |
| 5,00                   | 6,00     | 6,00  | 100 | 4,900 | 50,00 | 2 | EGA.500.07                  |
| 6,00                   | 6,00     | 10,00 | 60  | 5,900 | 20,00 | 2 | EGA.600.01                  |
| 6,00                   | 6,00     | 10,00 | 75  | 5,900 | 30,00 | 2 | EGA.600.02                  |
| 6,00                   | 6,00     | 10,00 | 80  | 5,900 | 40,00 | 2 | EGA.600.03                  |
| 6,00                   | 6,00     | 10,00 | 90  | 5,900 | 50,00 | 2 | EGA.600.04                  |
| 6,00                   | 6,00     | 10,00 | 110 | 5,900 | 60,00 | 2 | EGA.600.05                  |

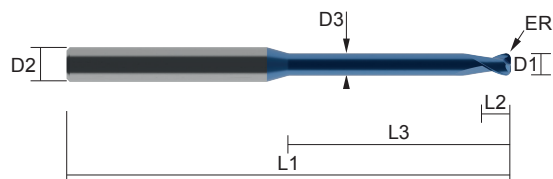
# VHM-Mini-Torusfräser HSC

Solid carbide mini torus mill HSC

1<sup>ST</sup>  
CHOICE

Artikel-Nr. EGZ...

TYPE H, Z,  $r_p +0,005 -0,005$ , 30°, HA, Norm, NNC, HP, HSC, HRC 45-65, steel, GG(G), Air, xyz



| D1<br>+0,00<br>-0,01 | D2<br>h6 | L2   | L1 | D3   | L3   | ER   | Z | Artikel-Nr./<br>Article-No. |
|----------------------|----------|------|----|------|------|------|---|-----------------------------|
| 0,20                 | 4,00     | 0,20 | 40 | 0,18 | 0,50 | 0,02 | 2 | EGZ.020.01                  |
| 0,20                 | 4,00     | 0,20 | 40 | 0,18 | 1,00 | 0,02 | 2 | EGZ.020.02                  |
| 0,20                 | 4,00     | 0,20 | 40 | 0,18 | 1,50 | 0,02 | 2 | EGZ.020.03                  |
| 0,20                 | 4,00     | 0,20 | 40 | 0,18 | 0,50 | 0,05 | 2 | EGZ.020.04                  |
| 0,20                 | 4,00     | 0,20 | 40 | 0,18 | 1,00 | 0,05 | 2 | EGZ.020.05                  |
| 0,20                 | 4,00     | 0,20 | 40 | 0,18 | 1,50 | 0,05 | 2 | EGZ.020.06                  |
| 0,30                 | 4,00     | 0,30 | 40 | 0,28 | 1,00 | 0,02 | 2 | EGZ.030.01                  |
| 0,30                 | 4,00     | 0,30 | 40 | 0,28 | 2,00 | 0,02 | 2 | EGZ.030.02                  |
| 0,30                 | 4,00     | 0,30 | 40 | 0,28 | 3,00 | 0,02 | 2 | EGZ.030.03                  |
| 0,30                 | 4,00     | 0,30 | 40 | 0,28 | 1,00 | 0,05 | 2 | EGZ.030.04                  |
| 0,30                 | 4,00     | 0,30 | 40 | 0,28 | 2,00 | 0,05 | 2 | EGZ.030.05                  |
| 0,30                 | 4,00     | 0,30 | 40 | 0,28 | 3,00 | 0,05 | 2 | EGZ.030.06                  |
| 0,40                 | 4,00     | 0,40 | 40 | 0,38 | 1,00 | 0,02 | 2 | EGZ.040.01                  |
| 0,40                 | 4,00     | 0,40 | 40 | 0,38 | 2,00 | 0,02 | 2 | EGZ.040.02                  |
| 0,40                 | 4,00     | 0,40 | 40 | 0,38 | 3,00 | 0,02 | 2 | EGZ.040.03                  |
| 0,40                 | 4,00     | 0,40 | 40 | 0,38 | 4,00 | 0,02 | 2 | EGZ.040.04                  |
| 0,40                 | 4,00     | 0,40 | 40 | 0,38 | 1,00 | 0,05 | 2 | EGZ.040.05                  |
| 0,40                 | 4,00     | 0,40 | 40 | 0,38 | 2,00 | 0,05 | 2 | EGZ.040.06                  |
| 0,40                 | 4,00     | 0,40 | 40 | 0,38 | 3,00 | 0,05 | 2 | EGZ.040.07                  |
| 0,40                 | 4,00     | 0,40 | 40 | 0,38 | 4,00 | 0,05 | 2 | EGZ.040.08                  |
| 0,40                 | 4,00     | 0,40 | 40 | 0,38 | 1,00 | 0,10 | 2 | EGZ.040.09                  |
| 0,40                 | 4,00     | 0,40 | 40 | 0,38 | 1,50 | 0,10 | 2 | EGZ.040.10                  |
| 0,40                 | 4,00     | 0,40 | 40 | 0,38 | 2,00 | 0,10 | 2 | EGZ.040.11                  |
| 0,40                 | 4,00     | 0,40 | 40 | 0,38 | 3,00 | 0,10 | 2 | EGZ.040.12                  |
| 0,40                 | 4,00     | 0,40 | 40 | 0,38 | 4,00 | 0,10 | 2 | EGZ.040.13                  |
| 0,50                 | 4,00     | 0,50 | 45 | 0,48 | 1,00 | 0,02 | 2 | EGZ.050.01                  |
| 0,50                 | 4,00     | 0,50 | 45 | 0,48 | 1,50 | 0,02 | 2 | EGZ.050.02                  |
| 0,50                 | 4,00     | 0,50 | 45 | 0,48 | 2,00 | 0,02 | 2 | EGZ.050.03                  |
| 0,50                 | 4,00     | 0,50 | 45 | 0,48 | 2,50 | 0,02 | 2 | EGZ.050.04                  |
| 0,50                 | 4,00     | 0,50 | 45 | 0,48 | 3,00 | 0,02 | 2 | EGZ.050.05                  |
| 0,50                 | 4,00     | 0,50 | 45 | 0,48 | 4,00 | 0,02 | 2 | EGZ.050.06                  |
| 0,50                 | 4,00     | 0,50 | 45 | 0,48 | 5,00 | 0,02 | 2 | EGZ.050.07                  |
| 0,50                 | 4,00     | 0,50 | 45 | 0,48 | 6,00 | 0,02 | 2 | EGZ.050.08                  |
| 0,50                 | 4,00     | 0,50 | 45 | 0,48 | 1,00 | 0,05 | 2 | EGZ.050.09                  |
| 0,50                 | 4,00     | 0,50 | 45 | 0,48 | 1,50 | 0,05 | 2 | EGZ.050.10                  |
| 0,50                 | 4,00     | 0,50 | 45 | 0,48 | 2,00 | 0,05 | 2 | EGZ.050.11                  |
| 0,50                 | 4,00     | 0,50 | 45 | 0,48 | 2,50 | 0,05 | 2 | EGZ.050.12                  |
| 0,50                 | 4,00     | 0,50 | 45 | 0,48 | 3,00 | 0,05 | 2 | EGZ.050.13                  |
| 0,50                 | 4,00     | 0,50 | 45 | 0,48 | 4,00 | 0,05 | 2 | EGZ.050.14                  |
| 0,50                 | 4,00     | 0,50 | 45 | 0,48 | 5,00 | 0,05 | 2 | EGZ.050.15                  |

# VHM-Mini-Torusfräser HSC

Solid carbide mini torus mill HSC



Artikel-Nr. EGZ...



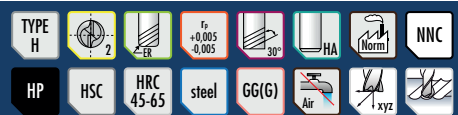
| D1<br>+0,00<br>- 0,01 | D2<br>h6 | L2   | L1 | D3   | L3   | ER   | Z | Artikel-Nr./<br>Article-No. |
|-----------------------|----------|------|----|------|------|------|---|-----------------------------|
| 0,50                  | 4,00     | 0,50 | 45 | 0,48 | 6,00 | 0,05 | 2 | EGZ.050.16                  |
| 0,50                  | 4,00     | 0,50 | 45 | 0,48 | 1,00 | 0,10 | 2 | EGZ.050.17                  |
| 0,50                  | 4,00     | 0,50 | 45 | 0,48 | 1,50 | 0,10 | 2 | EGZ.050.18                  |
| 0,50                  | 4,00     | 0,50 | 45 | 0,48 | 2,00 | 0,10 | 2 | EGZ.050.19                  |
| 0,50                  | 4,00     | 0,50 | 45 | 0,48 | 2,50 | 0,10 | 2 | EGZ.050.20                  |
| 0,50                  | 4,00     | 0,50 | 45 | 0,48 | 3,00 | 0,10 | 2 | EGZ.050.21                  |
| 0,50                  | 4,00     | 0,50 | 45 | 0,48 | 4,00 | 0,10 | 2 | EGZ.050.22                  |
| 0,50                  | 4,00     | 0,50 | 45 | 0,48 | 5,00 | 0,10 | 2 | EGZ.050.23                  |
| 0,50                  | 4,00     | 0,50 | 45 | 0,48 | 6,00 | 0,10 | 2 | EGZ.050.24                  |
| 0,60                  | 4,00     | 0,60 | 45 | 0,58 | 2,00 | 0,02 | 2 | EGZ.060.00                  |
| 0,60                  | 4,00     | 0,60 | 45 | 0,58 | 3,00 | 0,02 | 2 | EGZ.060.01                  |
| 0,60                  | 4,00     | 0,60 | 45 | 0,58 | 4,00 | 0,02 | 2 | EGZ.060.02                  |
| 0,60                  | 4,00     | 0,60 | 45 | 0,58 | 6,00 | 0,02 | 2 | EGZ.060.03                  |
| 0,60                  | 4,00     | 0,60 | 45 | 0,58 | 8,00 | 0,02 | 2 | EGZ.060.04                  |
| 0,60                  | 4,00     | 0,60 | 45 | 0,58 | 2,00 | 0,05 | 2 | EGZ.060.05                  |
| 0,60                  | 4,00     | 0,60 | 45 | 0,58 | 3,00 | 0,05 | 2 | EGZ.060.06                  |
| 0,60                  | 4,00     | 0,60 | 45 | 0,58 | 4,00 | 0,05 | 2 | EGZ.060.07                  |
| 0,60                  | 4,00     | 0,60 | 45 | 0,58 | 6,00 | 0,05 | 2 | EGZ.060.08                  |
| 0,60                  | 4,00     | 0,60 | 45 | 0,58 | 8,00 | 0,05 | 2 | EGZ.060.09                  |
| 0,60                  | 4,00     | 0,60 | 45 | 0,58 | 2,00 | 0,10 | 2 | EGZ.060.10                  |
| 0,60                  | 4,00     | 0,60 | 45 | 0,58 | 3,00 | 0,10 | 2 | EGZ.060.11                  |
| 0,60                  | 4,00     | 0,60 | 45 | 0,58 | 4,00 | 0,10 | 2 | EGZ.060.12                  |
| 0,60                  | 4,00     | 0,60 | 45 | 0,58 | 6,00 | 0,10 | 2 | EGZ.060.13                  |
| 0,60                  | 4,00     | 0,60 | 45 | 0,58 | 8,00 | 0,10 | 2 | EGZ.060.14                  |
| 0,70                  | 4,00     | 0,70 | 45 | 0,67 | 2,00 | 0,10 | 2 | EGZ.070.00                  |
| 0,70                  | 4,00     | 0,70 | 45 | 0,67 | 4,00 | 0,10 | 2 | EGZ.070.01                  |
| 0,70                  | 4,00     | 0,70 | 45 | 0,67 | 6,00 | 0,10 | 2 | EGZ.070.02                  |
| 0,80                  | 4,00     | 0,80 | 45 | 0,77 | 2,00 | 0,02 | 2 | EGZ.080.00                  |
| 0,80                  | 4,00     | 0,80 | 45 | 0,77 | 4,00 | 0,02 | 2 | EGZ.080.01                  |
| 0,80                  | 4,00     | 0,80 | 45 | 0,77 | 6,00 | 0,02 | 2 | EGZ.080.02                  |
| 0,80                  | 4,00     | 0,80 | 45 | 0,77 | 8,00 | 0,02 | 2 | EGZ.080.03                  |
| 0,80                  | 4,00     | 0,80 | 45 | 0,77 | 2,00 | 0,05 | 2 | EGZ.080.04                  |
| 0,80                  | 4,00     | 0,80 | 45 | 0,77 | 4,00 | 0,05 | 2 | EGZ.080.05                  |
| 0,80                  | 4,00     | 0,80 | 45 | 0,77 | 6,00 | 0,05 | 2 | EGZ.080.06                  |
| 0,80                  | 4,00     | 0,80 | 45 | 0,77 | 8,00 | 0,05 | 2 | EGZ.080.07                  |
| 0,80                  | 4,00     | 0,80 | 45 | 0,77 | 2,00 | 0,10 | 2 | EGZ.080.08                  |
| 0,80                  | 4,00     | 0,80 | 45 | 0,77 | 4,00 | 0,10 | 2 | EGZ.080.09                  |
| 0,80                  | 4,00     | 0,80 | 45 | 0,77 | 6,00 | 0,10 | 2 | EGZ.080.10                  |
| 0,80                  | 4,00     | 0,80 | 45 | 0,77 | 8,00 | 0,10 | 2 | EGZ.080.11                  |
| 0,80                  | 4,00     | 0,80 | 45 | 0,77 | 2,00 | 0,20 | 2 | EGZ.080.12                  |
| 0,80                  | 4,00     | 0,80 | 45 | 0,77 | 4,00 | 0,20 | 2 | EGZ.080.13                  |
| 0,80                  | 4,00     | 0,80 | 45 | 0,77 | 6,00 | 0,20 | 2 | EGZ.080.14                  |
| 0,80                  | 4,00     | 0,80 | 45 | 0,77 | 8,00 | 0,20 | 2 | EGZ.080.15                  |
| 1,00                  | 4,00     | 1,00 | 45 | 0,95 | 4,00 | 0,02 | 2 | EGZ.100.00                  |
| 1,00                  | 4,00     | 1,00 | 45 | 0,95 | 6,00 | 0,02 | 2 | EGZ.100.01                  |
| 1,00                  | 4,00     | 1,00 | 45 | 0,95 | 8,00 | 0,02 | 2 | EGZ.100.02                  |

# VHM-Mini-Torusfräser HSC

Solid carbide mini torus mill HSC



Artikel-Nr. EGZ...



| D1<br>+0,00<br>-0,01 | D2<br>h6 | L2   | L1 | D3   | L3    | ER   | Z | Artikel-Nr./<br>Article-No. |
|----------------------|----------|------|----|------|-------|------|---|-----------------------------|
| 1,00                 | 4,00     | 1,00 | 50 | 0,95 | 10,00 | 0,02 | 2 | EGZ.100.03                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,95 | 12,00 | 0,02 | 2 | EGZ.100.04                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,95 | 16,00 | 0,02 | 2 | EGZ.100.05                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,95 | 20,00 | 0,02 | 2 | EGZ.100.06                  |
| 1,00                 | 4,00     | 1,00 | 45 | 0,95 | 4,00  | 0,05 | 2 | EGZ.100.07                  |
| 1,00                 | 4,00     | 1,00 | 45 | 0,95 | 6,00  | 0,05 | 2 | EGZ.100.08                  |
| 1,00                 | 4,00     | 1,00 | 45 | 0,95 | 8,00  | 0,05 | 2 | EGZ.100.09                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,95 | 10,00 | 0,05 | 2 | EGZ.100.10                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,95 | 12,00 | 0,05 | 2 | EGZ.100.11                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,95 | 16,00 | 0,05 | 2 | EGZ.100.12                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,95 | 20,00 | 0,05 | 2 | EGZ.100.13                  |
| 1,00                 | 4,00     | 1,00 | 45 | 0,95 | 4,00  | 0,10 | 2 | EGZ.100.14                  |
| 1,00                 | 4,00     | 1,00 | 45 | 0,95 | 6,00  | 0,10 | 2 | EGZ.100.15                  |
| 1,00                 | 4,00     | 1,00 | 45 | 0,95 | 8,00  | 0,10 | 2 | EGZ.100.16                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,95 | 10,00 | 0,10 | 2 | EGZ.100.17                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,95 | 12,00 | 0,10 | 2 | EGZ.100.18                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,95 | 16,00 | 0,10 | 2 | EGZ.100.19                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,95 | 20,00 | 0,10 | 2 | EGZ.100.20                  |
| 1,00                 | 4,00     | 1,00 | 45 | 0,95 | 4,00  | 0,20 | 2 | EGZ.100.21                  |
| 1,00                 | 4,00     | 1,00 | 45 | 0,95 | 6,00  | 0,20 | 2 | EGZ.100.22                  |
| 1,00                 | 4,00     | 1,00 | 45 | 0,95 | 8,00  | 0,20 | 2 | EGZ.100.23                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,95 | 10,00 | 0,20 | 2 | EGZ.100.24                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,95 | 12,00 | 0,20 | 2 | EGZ.100.25                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,95 | 16,00 | 0,20 | 2 | EGZ.100.26                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,95 | 20,00 | 0,20 | 2 | EGZ.100.27                  |
| 1,00                 | 4,00     | 1,00 | 45 | 0,95 | 4,00  | 0,30 | 2 | EGZ.100.28                  |
| 1,00                 | 4,00     | 1,00 | 45 | 0,95 | 6,00  | 0,30 | 2 | EGZ.100.29                  |
| 1,00                 | 4,00     | 1,00 | 45 | 0,95 | 8,00  | 0,30 | 2 | EGZ.100.30                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,95 | 10,00 | 0,30 | 2 | EGZ.100.31                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,95 | 12,00 | 0,30 | 2 | EGZ.100.32                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,95 | 16,00 | 0,30 | 2 | EGZ.100.33                  |
| 1,00                 | 4,00     | 1,00 | 50 | 0,95 | 20,00 | 0,30 | 2 | EGZ.100.34                  |
| 1,20                 | 4,00     | 1,20 | 45 | 1,15 | 4,00  | 0,02 | 2 | EGZ.120.00                  |
| 1,20                 | 4,00     | 1,20 | 45 | 1,15 | 6,00  | 0,02 | 2 | EGZ.120.01                  |
| 1,20                 | 4,00     | 1,20 | 45 | 1,15 | 8,00  | 0,02 | 2 | EGZ.120.02                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,15 | 10,00 | 0,02 | 2 | EGZ.120.03                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,15 | 12,00 | 0,02 | 2 | EGZ.120.04                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,15 | 16,00 | 0,02 | 2 | EGZ.120.05                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,15 | 20,00 | 0,02 | 2 | EGZ.120.06                  |
| 1,20                 | 4,00     | 1,20 | 45 | 1,15 | 4,00  | 0,05 | 2 | EGZ.120.07                  |
| 1,20                 | 4,00     | 1,20 | 45 | 1,15 | 6,00  | 0,05 | 2 | EGZ.120.08                  |
| 1,20                 | 4,00     | 1,20 | 45 | 1,15 | 8,00  | 0,05 | 2 | EGZ.120.09                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,15 | 10,00 | 0,05 | 2 | EGZ.120.10                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,15 | 12,00 | 0,05 | 2 | EGZ.120.11                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,15 | 16,00 | 0,05 | 2 | EGZ.120.12                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,15 | 20,00 | 0,05 | 2 | EGZ.120.13                  |

# VHM-Mini-Torusfräser HSC

Solid carbide mini torus mill HSC



Artikel-Nr. EGZ...

| D1<br>+0,00<br>-0,01 | D2<br>h6 | L2   | L1 | D3   | L3    | ER   | Z | Artikel-Nr./<br>Article-No. |
|----------------------|----------|------|----|------|-------|------|---|-----------------------------|
| 1,20                 | 4,00     | 1,20 | 45 | 1,15 | 4,00  | 0,10 | 2 | EGZ.120.14                  |
| 1,20                 | 4,00     | 1,20 | 45 | 1,15 | 6,00  | 0,10 | 2 | EGZ.120.15                  |
| 1,20                 | 4,00     | 1,20 | 45 | 1,15 | 8,00  | 0,10 | 2 | EGZ.120.16                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,15 | 10,00 | 0,10 | 2 | EGZ.120.17                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,15 | 12,00 | 0,10 | 2 | EGZ.120.18                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,15 | 16,00 | 0,10 | 2 | EGZ.120.19                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,15 | 20,00 | 0,10 | 2 | EGZ.120.20                  |
| 1,20                 | 4,00     | 1,20 | 45 | 1,15 | 4,00  | 0,20 | 2 | EGZ.120.21                  |
| 1,20                 | 4,00     | 1,20 | 45 | 1,15 | 6,00  | 0,20 | 2 | EGZ.120.22                  |
| 1,20                 | 4,00     | 1,20 | 45 | 1,15 | 8,00  | 0,20 | 2 | EGZ.120.23                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,15 | 10,00 | 0,20 | 2 | EGZ.120.24                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,15 | 12,00 | 0,20 | 2 | EGZ.120.25                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,15 | 16,00 | 0,20 | 2 | EGZ.120.26                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,15 | 20,00 | 0,20 | 2 | EGZ.120.27                  |
| 1,20                 | 4,00     | 1,20 | 45 | 1,15 | 4,00  | 0,30 | 2 | EGZ.120.28                  |
| 1,20                 | 4,00     | 1,20 | 45 | 1,15 | 6,00  | 0,30 | 2 | EGZ.120.29                  |
| 1,20                 | 4,00     | 1,20 | 45 | 1,15 | 8,00  | 0,30 | 2 | EGZ.120.30                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,15 | 10,00 | 0,30 | 2 | EGZ.120.31                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,15 | 12,00 | 0,30 | 2 | EGZ.120.32                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,15 | 16,00 | 0,30 | 2 | EGZ.120.33                  |
| 1,20                 | 4,00     | 1,20 | 50 | 1,15 | 20,00 | 0,30 | 2 | EGZ.120.34                  |
| 1,50                 | 4,00     | 1,50 | 45 | 1,44 | 4,00  | 0,02 | 2 | EGZ.150.00                  |
| 1,50                 | 4,00     | 1,50 | 45 | 1,44 | 6,00  | 0,02 | 2 | EGZ.150.01                  |
| 1,50                 | 4,00     | 1,50 | 45 | 1,44 | 8,00  | 0,02 | 2 | EGZ.150.02                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 10,00 | 0,02 | 2 | EGZ.150.03                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 12,00 | 0,02 | 2 | EGZ.150.04                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 16,00 | 0,02 | 2 | EGZ.150.05                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 20,00 | 0,02 | 2 | EGZ.150.06                  |
| 1,50                 | 4,00     | 1,50 | 45 | 1,44 | 4,00  | 0,05 | 2 | EGZ.150.07                  |
| 1,50                 | 4,00     | 1,50 | 45 | 1,44 | 6,00  | 0,05 | 2 | EGZ.150.08                  |
| 1,50                 | 4,00     | 1,50 | 45 | 1,44 | 8,00  | 0,05 | 2 | EGZ.150.09                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 10,00 | 0,05 | 2 | EGZ.150.10                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 12,00 | 0,05 | 2 | EGZ.150.11                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 16,00 | 0,05 | 2 | EGZ.150.12                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 20,00 | 0,05 | 2 | EGZ.150.13                  |
| 1,50                 | 4,00     | 1,50 | 45 | 1,44 | 4,00  | 0,10 | 2 | EGZ.150.14                  |
| 1,50                 | 4,00     | 1,50 | 45 | 1,44 | 6,00  | 0,10 | 2 | EGZ.150.15                  |
| 1,50                 | 4,00     | 1,50 | 45 | 1,44 | 8,00  | 0,10 | 2 | EGZ.150.16                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 10,00 | 0,10 | 2 | EGZ.150.17                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 12,00 | 0,10 | 2 | EGZ.150.18                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 16,00 | 0,10 | 2 | EGZ.150.19                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 20,00 | 0,10 | 2 | EGZ.150.20                  |
| 1,50                 | 4,00     | 1,50 | 45 | 1,44 | 4,00  | 0,20 | 2 | EGZ.150.21                  |
| 1,50                 | 4,00     | 1,50 | 45 | 1,44 | 6,00  | 0,20 | 2 | EGZ.150.22                  |
| 1,50                 | 4,00     | 1,50 | 45 | 1,44 | 8,00  | 0,20 | 2 | EGZ.150.23                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 10,00 | 0,20 | 2 | EGZ.150.24                  |

# VHM-Mini-Torusfräser HSC

Solid carbide mini torus mill HSC

**1<sup>ST</sup>**  
**CHOICE**

Artikel-Nr. EGZ...



| D1<br>+0,00<br>-0,01 | D2<br>h6 | L2   | L1 | D3   | L3    | ER   | Z | Artikel-Nr./<br>Article-No. |
|----------------------|----------|------|----|------|-------|------|---|-----------------------------|
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 12,00 | 0,20 | 2 | EGZ.150.25                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 16,00 | 0,20 | 2 | EGZ.150.26                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 20,00 | 0,20 | 2 | EGZ.150.27                  |
| 1,50                 | 4,00     | 1,50 | 45 | 1,44 | 4,00  | 0,30 | 2 | EGZ.150.28                  |
| 1,50                 | 4,00     | 1,50 | 45 | 1,44 | 6,00  | 0,30 | 2 | EGZ.150.29                  |
| 1,50                 | 4,00     | 1,50 | 45 | 1,44 | 8,00  | 0,30 | 2 | EGZ.150.30                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 10,00 | 0,30 | 2 | EGZ.150.31                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 12,00 | 0,30 | 2 | EGZ.150.32                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 16,00 | 0,30 | 2 | EGZ.150.33                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 20,00 | 0,30 | 2 | EGZ.150.34                  |
| 1,50                 | 4,00     | 1,50 | 45 | 1,44 | 4,00  | 0,50 | 2 | EGZ.150.35                  |
| 1,50                 | 4,00     | 1,50 | 45 | 1,44 | 6,00  | 0,50 | 2 | EGZ.150.36                  |
| 1,50                 | 4,00     | 1,50 | 45 | 1,44 | 8,00  | 0,50 | 2 | EGZ.150.37                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 10,00 | 0,50 | 2 | EGZ.150.38                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 12,00 | 0,50 | 2 | EGZ.150.39                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 16,00 | 0,50 | 2 | EGZ.150.40                  |
| 1,50                 | 4,00     | 1,50 | 50 | 1,44 | 20,00 | 0,50 | 2 | EGZ.150.41                  |
| 2,00                 | 4,00     | 2,00 | 45 | 1,92 | 6,00  | 0,02 | 2 | EGZ.200.00                  |
| 2,00                 | 4,00     | 2,00 | 45 | 1,92 | 8,00  | 0,02 | 2 | EGZ.200.01                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 10,00 | 0,02 | 2 | EGZ.200.02                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 12,00 | 0,02 | 2 | EGZ.200.03                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 16,00 | 0,02 | 2 | EGZ.200.04                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 20,00 | 0,02 | 2 | EGZ.200.05                  |
| 2,00                 | 4,00     | 2,00 | 60 | 1,92 | 25,00 | 0,02 | 2 | EGZ.200.06                  |
| 2,00                 | 4,00     | 2,00 | 45 | 1,92 | 6,00  | 0,05 | 2 | EGZ.200.07                  |
| 2,00                 | 4,00     | 2,00 | 45 | 1,92 | 8,00  | 0,05 | 2 | EGZ.200.08                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 10,00 | 0,05 | 2 | EGZ.200.09                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 12,00 | 0,05 | 2 | EGZ.200.10                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 16,00 | 0,05 | 2 | EGZ.200.11                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 20,00 | 0,05 | 2 | EGZ.200.12                  |
| 2,00                 | 4,00     | 2,00 | 60 | 1,92 | 25,00 | 0,05 | 2 | EGZ.200.13                  |
| 2,00                 | 4,00     | 2,00 | 45 | 1,92 | 6,00  | 0,10 | 2 | EGZ.200.14                  |
| 2,00                 | 4,00     | 2,00 | 45 | 1,92 | 8,00  | 0,10 | 2 | EGZ.200.15                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 10,00 | 0,10 | 2 | EGZ.200.16                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 12,00 | 0,10 | 2 | EGZ.200.17                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 16,00 | 0,10 | 2 | EGZ.200.18                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 20,00 | 0,10 | 2 | EGZ.200.19                  |
| 2,00                 | 4,00     | 2,00 | 60 | 1,92 | 25,00 | 0,10 | 2 | EGZ.200.20                  |
| 2,00                 | 4,00     | 2,00 | 45 | 1,92 | 6,00  | 0,20 | 2 | EGZ.200.21                  |
| 2,00                 | 4,00     | 2,00 | 45 | 1,92 | 8,00  | 0,20 | 2 | EGZ.200.22                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 10,00 | 0,20 | 2 | EGZ.200.23                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 12,00 | 0,20 | 2 | EGZ.200.24                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 16,00 | 0,20 | 2 | EGZ.200.25                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 20,00 | 0,20 | 2 | EGZ.200.26                  |
| 2,00                 | 4,00     | 2,00 | 60 | 1,92 | 25,00 | 0,20 | 2 | EGZ.200.27                  |
| 2,00                 | 4,00     | 2,00 | 45 | 1,92 | 6,00  | 0,30 | 2 | EGZ.200.28                  |

# VHM-Mini-Torusfräser HSC

Solid carbide mini torus mill HSC



Artikel-Nr. EGZ...



| D1<br>+0,00<br>-0,01 | D2<br>h6 | L2   | L1 | D3   | L3    | ER   | Z | Artikel-Nr./<br>Article-No. |
|----------------------|----------|------|----|------|-------|------|---|-----------------------------|
| 2,00                 | 4,00     | 2,00 | 45 | 1,92 | 8,00  | 0,30 | 2 | EGZ.200.29                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 10,00 | 0,30 | 2 | EGZ.200.30                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 12,00 | 0,30 | 2 | EGZ.200.31                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 16,00 | 0,30 | 2 | EGZ.200.32                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 20,00 | 0,30 | 2 | EGZ.200.33                  |
| 2,00                 | 4,00     | 2,00 | 60 | 1,92 | 25,00 | 0,30 | 2 | EGZ.200.34                  |
| 2,00                 | 4,00     | 2,00 | 45 | 1,92 | 6,00  | 0,50 | 2 | EGZ.200.35                  |
| 2,00                 | 4,00     | 2,00 | 45 | 1,92 | 8,00  | 0,50 | 2 | EGZ.200.36                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 10,00 | 0,50 | 2 | EGZ.200.37                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 12,00 | 0,50 | 2 | EGZ.200.38                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 16,00 | 0,50 | 2 | EGZ.200.39                  |
| 2,00                 | 4,00     | 2,00 | 50 | 1,92 | 20,00 | 0,50 | 2 | EGZ.200.40                  |
| 2,00                 | 4,00     | 2,00 | 60 | 1,92 | 25,00 | 0,50 | 2 | EGZ.200.41                  |
| 2,50                 | 4,00     | 2,50 | 50 | 2,42 | 10,00 | 0,10 | 2 | EGZ.250.00                  |
| 2,50                 | 4,00     | 2,50 | 50 | 2,42 | 16,00 | 0,10 | 2 | EGZ.250.01                  |
| 2,50                 | 4,00     | 2,50 | 50 | 2,42 | 20,00 | 0,10 | 2 | EGZ.250.02                  |
| 2,50                 | 4,00     | 2,50 | 50 | 2,42 | 10,00 | 0,20 | 2 | EGZ.250.03                  |
| 2,50                 | 4,00     | 2,50 | 50 | 2,42 | 16,00 | 0,20 | 2 | EGZ.250.04                  |
| 2,50                 | 4,00     | 2,50 | 50 | 2,42 | 20,00 | 0,20 | 2 | EGZ.250.05                  |
| 2,50                 | 4,00     | 2,50 | 50 | 2,42 | 10,00 | 0,30 | 2 | EGZ.250.06                  |
| 2,50                 | 4,00     | 2,50 | 50 | 2,42 | 16,00 | 0,30 | 2 | EGZ.250.07                  |
| 2,50                 | 4,00     | 2,50 | 50 | 2,42 | 20,00 | 0,30 | 2 | EGZ.250.08                  |
| 2,50                 | 4,00     | 2,50 | 50 | 2,42 | 10,00 | 0,50 | 2 | EGZ.250.09                  |
| 2,50                 | 4,00     | 2,50 | 50 | 2,42 | 16,00 | 0,50 | 2 | EGZ.250.10                  |
| 2,50                 | 4,00     | 2,50 | 50 | 2,42 | 20,00 | 0,50 | 2 | EGZ.250.11                  |
| 3,00                 | 6,00     | 3,00 | 50 | 2,90 | 10,00 | 0,10 | 2 | EGZ.300.00                  |
| 3,00                 | 6,00     | 3,00 | 50 | 2,90 | 12,00 | 0,10 | 2 | EGZ.300.01                  |
| 3,00                 | 6,00     | 3,00 | 55 | 2,90 | 16,00 | 0,10 | 2 | EGZ.300.02                  |
| 3,00                 | 6,00     | 3,00 | 60 | 2,90 | 20,00 | 0,10 | 2 | EGZ.300.03                  |
| 3,00                 | 6,00     | 3,00 | 65 | 2,90 | 25,00 | 0,10 | 2 | EGZ.300.04                  |
| 3,00                 | 6,00     | 3,00 | 70 | 2,90 | 30,00 | 0,10 | 2 | EGZ.300.05                  |
| 3,00                 | 6,00     | 3,00 | 75 | 2,90 | 35,00 | 0,10 | 2 | EGZ.300.06                  |
| 3,00                 | 6,00     | 3,00 | 80 | 2,90 | 40,00 | 0,10 | 2 | EGZ.300.07                  |
| 3,00                 | 6,00     | 3,00 | 50 | 2,90 | 10,00 | 0,20 | 2 | EGZ.300.08                  |
| 3,00                 | 6,00     | 3,00 | 50 | 2,90 | 12,00 | 0,20 | 2 | EGZ.300.09                  |
| 3,00                 | 6,00     | 3,00 | 55 | 2,90 | 16,00 | 0,20 | 2 | EGZ.300.10                  |
| 3,00                 | 6,00     | 3,00 | 60 | 2,90 | 20,00 | 0,20 | 2 | EGZ.300.11                  |
| 3,00                 | 6,00     | 3,00 | 65 | 2,90 | 25,00 | 0,20 | 2 | EGZ.300.12                  |
| 3,00                 | 6,00     | 3,00 | 70 | 2,90 | 30,00 | 0,20 | 2 | EGZ.300.13                  |
| 3,00                 | 6,00     | 3,00 | 75 | 2,90 | 35,00 | 0,20 | 2 | EGZ.300.14                  |
| 3,00                 | 6,00     | 3,00 | 80 | 2,90 | 40,00 | 0,20 | 2 | EGZ.300.15                  |
| 3,00                 | 6,00     | 3,00 | 50 | 2,90 | 10,00 | 0,30 | 2 | EGZ.300.16                  |
| 3,00                 | 6,00     | 3,00 | 50 | 2,90 | 12,00 | 0,30 | 2 | EGZ.300.17                  |
| 3,00                 | 6,00     | 3,00 | 55 | 2,90 | 16,00 | 0,30 | 2 | EGZ.300.18                  |
| 3,00                 | 6,00     | 3,00 | 60 | 2,90 | 20,00 | 0,30 | 2 | EGZ.300.19                  |
| 3,00                 | 6,00     | 3,00 | 65 | 2,90 | 25,00 | 0,30 | 2 | EGZ.300.20                  |

# VHM-Mini-Torusfräser HSC

Solid carbide mini torus mill HSC

**1<sup>ST</sup> CHOICE**

Artikel-Nr. EGZ...



| D1<br>+0,00<br>-0,01 | D2<br>h6 | L2   | L1 | D3   | L3    | ER   | Z | Artikel-Nr./<br>Article-No. |
|----------------------|----------|------|----|------|-------|------|---|-----------------------------|
| 3,00                 | 6,00     | 3,00 | 70 | 2,90 | 30,00 | 0,30 | 2 | EGZ.300.21                  |
| 3,00                 | 6,00     | 3,00 | 75 | 2,90 | 35,00 | 0,30 | 2 | EGZ.300.22                  |
| 3,00                 | 6,00     | 3,00 | 80 | 2,90 | 40,00 | 0,30 | 2 | EGZ.300.23                  |
| 3,00                 | 6,00     | 3,00 | 50 | 2,90 | 10,00 | 0,50 | 2 | EGZ.300.24                  |
| 3,00                 | 6,00     | 3,00 | 50 | 2,90 | 12,00 | 0,50 | 2 | EGZ.300.25                  |
| 3,00                 | 6,00     | 3,00 | 55 | 2,90 | 16,00 | 0,50 | 2 | EGZ.300.26                  |
| 3,00                 | 6,00     | 3,00 | 60 | 2,90 | 20,00 | 0,50 | 2 | EGZ.300.27                  |
| 3,00                 | 6,00     | 3,00 | 65 | 2,90 | 25,00 | 0,50 | 2 | EGZ.300.28                  |
| 3,00                 | 6,00     | 3,00 | 70 | 2,90 | 30,00 | 0,50 | 2 | EGZ.300.29                  |
| 3,00                 | 6,00     | 3,00 | 75 | 2,90 | 35,00 | 0,50 | 2 | EGZ.300.30                  |
| 3,00                 | 6,00     | 3,00 | 80 | 2,90 | 40,00 | 0,50 | 2 | EGZ.300.31                  |
| 3,00                 | 6,00     | 3,00 | 50 | 2,90 | 10,00 | 1,00 | 2 | EGZ.300.32                  |
| 3,00                 | 6,00     | 3,00 | 50 | 2,90 | 12,00 | 1,00 | 2 | EGZ.300.33                  |
| 3,00                 | 6,00     | 3,00 | 55 | 2,90 | 16,00 | 1,00 | 2 | EGZ.300.34                  |
| 3,00                 | 6,00     | 3,00 | 60 | 2,90 | 20,00 | 1,00 | 2 | EGZ.300.35                  |
| 3,00                 | 6,00     | 3,00 | 65 | 2,90 | 25,00 | 1,00 | 2 | EGZ.300.36                  |
| 3,00                 | 6,00     | 3,00 | 70 | 2,90 | 30,00 | 1,00 | 2 | EGZ.300.37                  |
| 3,00                 | 6,00     | 3,00 | 75 | 2,90 | 35,00 | 1,00 | 2 | EGZ.300.38                  |
| 3,00                 | 6,00     | 3,00 | 80 | 2,90 | 40,00 | 1,00 | 2 | EGZ.300.39                  |
| 4,00                 | 6,00     | 4,00 | 50 | 3,90 | 12,00 | 0,10 | 2 | EGZ.400.00                  |
| 4,00                 | 6,00     | 4,00 | 55 | 3,90 | 16,00 | 0,10 | 2 | EGZ.400.01                  |
| 4,00                 | 6,00     | 4,00 | 60 | 3,90 | 20,00 | 0,10 | 2 | EGZ.400.02                  |
| 4,00                 | 6,00     | 4,00 | 65 | 3,90 | 25,00 | 0,10 | 2 | EGZ.400.03                  |
| 4,00                 | 6,00     | 4,00 | 70 | 3,90 | 30,00 | 0,10 | 2 | EGZ.400.04                  |
| 4,00                 | 6,00     | 4,00 | 75 | 3,90 | 35,00 | 0,10 | 2 | EGZ.400.05                  |
| 4,00                 | 6,00     | 4,00 | 80 | 3,90 | 40,00 | 0,10 | 2 | EGZ.400.06                  |
| 4,00                 | 6,00     | 4,00 | 50 | 3,90 | 12,00 | 0,20 | 2 | EGZ.400.07                  |
| 4,00                 | 6,00     | 4,00 | 55 | 3,90 | 16,00 | 0,20 | 2 | EGZ.400.08                  |
| 4,00                 | 6,00     | 4,00 | 60 | 3,90 | 20,00 | 0,20 | 2 | EGZ.400.09                  |
| 4,00                 | 6,00     | 4,00 | 65 | 3,90 | 25,00 | 0,20 | 2 | EGZ.400.10                  |
| 4,00                 | 6,00     | 4,00 | 70 | 3,90 | 30,00 | 0,20 | 2 | EGZ.400.11                  |
| 4,00                 | 6,00     | 4,00 | 75 | 3,90 | 35,00 | 0,20 | 2 | EGZ.400.12                  |
| 4,00                 | 6,00     | 4,00 | 80 | 3,90 | 40,00 | 0,20 | 2 | EGZ.400.13                  |
| 4,00                 | 6,00     | 4,00 | 50 | 3,90 | 12,00 | 0,30 | 2 | EGZ.400.14                  |
| 4,00                 | 6,00     | 4,00 | 55 | 3,90 | 16,00 | 0,30 | 2 | EGZ.400.15                  |
| 4,00                 | 6,00     | 4,00 | 60 | 3,90 | 20,00 | 0,30 | 2 | EGZ.400.16                  |
| 4,00                 | 6,00     | 4,00 | 65 | 3,90 | 25,00 | 0,30 | 2 | EGZ.400.17                  |
| 4,00                 | 6,00     | 4,00 | 70 | 3,90 | 30,00 | 0,30 | 2 | EGZ.400.18                  |
| 4,00                 | 6,00     | 4,00 | 75 | 3,90 | 35,00 | 0,30 | 2 | EGZ.400.19                  |
| 4,00                 | 6,00     | 4,00 | 80 | 3,90 | 40,00 | 0,30 | 2 | EGZ.400.20                  |
| 4,00                 | 6,00     | 4,00 | 50 | 3,90 | 12,00 | 0,50 | 2 | EGZ.400.21                  |
| 4,00                 | 6,00     | 4,00 | 55 | 3,90 | 16,00 | 0,50 | 2 | EGZ.400.22                  |
| 4,00                 | 6,00     | 4,00 | 60 | 3,90 | 20,00 | 0,50 | 2 | EGZ.400.23                  |
| 4,00                 | 6,00     | 4,00 | 65 | 3,90 | 25,00 | 0,50 | 2 | EGZ.400.24                  |
| 4,00                 | 6,00     | 4,00 | 70 | 3,90 | 30,00 | 0,50 | 2 | EGZ.400.25                  |
| 4,00                 | 6,00     | 4,00 | 75 | 3,90 | 35,00 | 0,50 | 2 | EGZ.400.26                  |

# VHM-Mini-Torusfräser HSC

Solid carbide mini torus mill HSC



Artikel-Nr. EGZ...

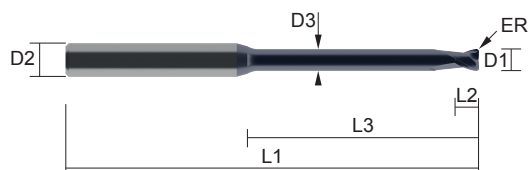
| D1<br>+0,00<br>- 0,01 | D2<br>h6 | L2   | L1 | D3   | L3    | ER   | Z | Artikel-Nr./<br>Article-No. |
|-----------------------|----------|------|----|------|-------|------|---|-----------------------------|
| 4,00                  | 6,00     | 4,00 | 80 | 3,90 | 40,00 | 0,50 | 2 | EGZ.400.27                  |
| 4,00                  | 6,00     | 4,00 | 50 | 3,90 | 12,00 | 1,00 | 2 | EGZ.400.28                  |
| 4,00                  | 6,00     | 4,00 | 55 | 3,90 | 16,00 | 1,00 | 2 | EGZ.400.29                  |
| 4,00                  | 6,00     | 4,00 | 60 | 3,90 | 20,00 | 1,00 | 2 | EGZ.400.30                  |
| 4,00                  | 6,00     | 4,00 | 65 | 3,90 | 25,00 | 1,00 | 2 | EGZ.400.31                  |
| 4,00                  | 6,00     | 4,00 | 70 | 3,90 | 30,00 | 1,00 | 2 | EGZ.400.32                  |
| 4,00                  | 6,00     | 4,00 | 75 | 3,90 | 35,00 | 1,00 | 2 | EGZ.400.33                  |
| 4,00                  | 6,00     | 4,00 | 80 | 3,90 | 40,00 | 1,00 | 2 | EGZ.400.34                  |

| D1<br>+0,005<br>- 0,015 | D2<br>h6 | L2   | L1 | D3   | L3    | ER   | Z | Artikel-Nr./<br>Article-No. |
|-------------------------|----------|------|----|------|-------|------|---|-----------------------------|
| 5,00                    | 6,00     | 6,00 | 60 | 4,90 | 15,00 | 0,20 | 2 | EGZ.500.00                  |
| 5,00                    | 6,00     | 6,00 | 70 | 4,90 | 25,00 | 0,20 | 2 | EGZ.500.01                  |
| 5,00                    | 6,00     | 6,00 | 70 | 4,90 | 30,00 | 0,20 | 2 | EGZ.500.02                  |
| 5,00                    | 6,00     | 6,00 | 80 | 4,90 | 40,00 | 0,20 | 2 | EGZ.500.03                  |
| 5,00                    | 6,00     | 6,00 | 60 | 4,90 | 15,00 | 0,50 | 2 | EGZ.500.04                  |
| 5,00                    | 6,00     | 6,00 | 70 | 4,90 | 25,00 | 0,50 | 2 | EGZ.500.05                  |
| 5,00                    | 6,00     | 6,00 | 70 | 4,90 | 30,00 | 0,50 | 2 | EGZ.500.06                  |
| 5,00                    | 6,00     | 6,00 | 80 | 4,90 | 40,00 | 0,50 | 2 | EGZ.500.07                  |
| 5,00                    | 6,00     | 6,00 | 60 | 4,90 | 15,00 | 1,00 | 2 | EGZ.500.08                  |
| 5,00                    | 6,00     | 6,00 | 70 | 4,90 | 25,00 | 1,00 | 2 | EGZ.500.09                  |
| 5,00                    | 6,00     | 6,00 | 70 | 4,90 | 30,00 | 1,00 | 2 | EGZ.500.10                  |
| 5,00                    | 6,00     | 6,00 | 80 | 4,90 | 40,00 | 1,00 | 2 | EGZ.500.11                  |
| 6,00                    | 6,00     | 7,00 | 60 | 5,90 | 20,00 | 0,10 | 2 | EGZ.600.00                  |
| 6,00                    | 6,00     | 7,00 | 80 | 5,90 | 40,00 | 0,10 | 2 | EGZ.600.01                  |
| 6,00                    | 6,00     | 7,00 | 60 | 5,90 | 20,00 | 0,20 | 2 | EGZ.600.02                  |
| 6,00                    | 6,00     | 7,00 | 80 | 5,90 | 40,00 | 0,20 | 2 | EGZ.600.03                  |
| 6,00                    | 6,00     | 7,00 | 60 | 5,90 | 20,00 | 0,30 | 2 | EGZ.600.04                  |
| 6,00                    | 6,00     | 7,00 | 80 | 5,90 | 40,00 | 0,30 | 2 | EGZ.600.05                  |
| 6,00                    | 6,00     | 7,00 | 60 | 5,90 | 20,00 | 0,50 | 2 | EGZ.600.06                  |
| 6,00                    | 6,00     | 7,00 | 80 | 5,90 | 40,00 | 0,50 | 2 | EGZ.600.07                  |
| 6,00                    | 6,00     | 7,00 | 60 | 5,90 | 20,00 | 1,00 | 2 | EGZ.600.08                  |
| 6,00                    | 6,00     | 7,00 | 80 | 5,90 | 40,00 | 1,00 | 2 | EGZ.600.09                  |
| 6,00                    | 6,00     | 7,00 | 60 | 5,90 | 20,00 | 1,50 | 2 | EGZ.600.10                  |
| 6,00                    | 6,00     | 7,00 | 80 | 5,90 | 40,00 | 1,50 | 2 | EGZ.600.11                  |

# VHM-Mini-Torusfräser HSC

Solid carbide mini torus mill HSC

Artikel-Nr. EEC...



| D1<br>h9 | D2<br>h6 | L2   | L1 | D3   | L3    | ER   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|------|----|------|-------|------|---|-----------------------------|
| 0,20     | 6,00     | 0,45 | 55 | 0,18 | 1,00  | 0,05 | 2 | EEC.020.01                  |
| 0,20     | 6,00     | 0,45 | 55 | 0,18 | 1,50  | 0,05 | 2 | EEC.020.02                  |
| 0,20     | 6,00     | 0,45 | 55 | 0,18 | 2,00  | 0,05 | 2 | EEC.020.03                  |
| 0,30     | 6,00     | 0,45 | 55 | 0,28 | 1,00  | 0,05 | 2 | EEC.030.10                  |
| 0,30     | 6,00     | 0,45 | 55 | 0,28 | 2,00  | 0,05 | 2 | EEC.030.11                  |
| 0,30     | 6,00     | 0,45 | 55 | 0,28 | 3,00  | 0,05 | 2 | EEC.030.12                  |
| 0,30     | 6,00     | 0,45 | 55 | 0,28 | 5,00  | 0,05 | 2 | EEC.030.13                  |
| 0,40     | 6,00     | 0,60 | 55 | 0,38 | 1,20  | 0,05 | 2 | EEC.040.09                  |
| 0,40     | 6,00     | 0,60 | 55 | 0,38 | 2,00  | 0,05 | 2 | EEC.040.10                  |
| 0,40     | 6,00     | 0,60 | 55 | 0,38 | 4,00  | 0,05 | 2 | EEC.040.11                  |
| 0,40     | 6,00     | 0,60 | 55 | 0,38 | 6,00  | 0,05 | 2 | EEC.040.12                  |
| 0,40     | 6,00     | 0,60 | 55 | 0,38 | 3,00  | 0,05 | 2 | EEC.041.10                  |
| 0,40     | 6,00     | 0,60 | 55 | 0,38 | 5,00  | 0,05 | 2 | EEC.041.11                  |
| 0,40     | 6,00     | 0,60 | 55 | 0,38 | 7,00  | 0,05 | 2 | EEC.041.12                  |
| 0,50     | 6,00     | 0,70 | 55 | 0,48 | 2,00  | 0,05 | 2 | EEC.050.10                  |
| 0,50     | 6,00     | 0,70 | 55 | 0,48 | 4,00  | 0,05 | 2 | EEC.050.11                  |
| 0,50     | 6,00     | 0,70 | 55 | 0,48 | 6,00  | 0,05 | 2 | EEC.050.12                  |
| 0,50     | 6,00     | 0,70 | 55 | 0,48 | 6,50  | 0,05 | 2 | EEC.050.13                  |
| 0,50     | 6,00     | 0,70 | 55 | 0,48 | 8,50  | 0,05 | 2 | EEC.050.14                  |
| 0,50     | 6,00     | 0,70 | 65 | 0,48 | 10,00 | 0,05 | 2 | EEC.050.15                  |
| 0,50     | 6,00     | 0,70 | 55 | 0,48 | 2,50  | 0,05 | 2 | EEC.051.11                  |
| 0,50     | 6,00     | 0,70 | 55 | 0,48 | 3,50  | 0,05 | 2 | EEC.051.12                  |
| 0,50     | 6,00     | 0,70 | 55 | 0,48 | 4,50  | 0,05 | 2 | EEC.051.13                  |
| 0,60     | 6,00     | 0,90 | 55 | 0,58 | 1,50  | 0,05 | 2 | EEC.060.01                  |
| 0,60     | 6,00     | 0,90 | 55 | 0,58 | 2,00  | 0,05 | 2 | EEC.060.02                  |
| 0,60     | 6,00     | 0,90 | 55 | 0,58 | 3,00  | 0,05 | 2 | EEC.060.03                  |
| 0,60     | 6,00     | 0,90 | 55 | 0,58 | 4,00  | 0,05 | 2 | EEC.060.04                  |
| 0,60     | 6,00     | 0,90 | 55 | 0,58 | 5,00  | 0,05 | 2 | EEC.060.05                  |
| 0,60     | 6,00     | 0,90 | 55 | 0,58 | 6,00  | 0,05 | 2 | EEC.060.06                  |
| 0,60     | 6,00     | 0,90 | 55 | 0,58 | 8,00  | 0,05 | 2 | EEC.060.07                  |
| 0,60     | 6,00     | 0,90 | 55 | 0,58 | 9,00  | 0,05 | 2 | EEC.060.08                  |
| 0,60     | 6,00     | 0,90 | 55 | 0,58 | 10,00 | 0,05 | 2 | EEC.060.09                  |
| 0,60     | 6,00     | 0,90 | 55 | 0,58 | 2,00  | 0,05 | 2 | EEC.060.10                  |
| 0,60     | 6,00     | 0,90 | 55 | 0,58 | 4,00  | 0,05 | 2 | EEC.060.11                  |
| 0,60     | 6,00     | 0,90 | 55 | 0,58 | 6,00  | 0,05 | 2 | EEC.060.12                  |
| 0,60     | 6,00     | 0,90 | 55 | 0,58 | 8,00  | 0,06 | 2 | EEC.060.13                  |
| 0,80     | 6,00     | 1,20 | 55 | 0,77 | 2,00  | 0,05 | 2 | EEC.080.01                  |
| 0,80     | 6,00     | 1,20 | 55 | 0,77 | 4,00  | 0,05 | 2 | EEC.080.02                  |
| 0,80     | 6,00     | 1,20 | 55 | 0,77 | 5,00  | 0,05 | 2 | EEC.080.03                  |
| 0,80     | 6,00     | 1,20 | 55 | 0,77 | 6,00  | 0,05 | 2 | EEC.080.04                  |
| 0,80     | 6,00     | 1,20 | 55 | 0,77 | 8,00  | 0,05 | 2 | EEC.080.05                  |
| 0,80     | 6,00     | 1,20 | 55 | 0,77 | 10,00 | 0,05 | 2 | EEC.080.06                  |
| 0,80     | 6,00     | 1,20 | 55 | 0,77 | 12,00 | 0,05 | 2 | EEC.080.07                  |

# VHM-Mini-Torusfräser HSC

Solid carbide mini torus mill HSC

| Artikel-Nr. EEC... |          |      |    |      |       |      |   |                             |
|--------------------|----------|------|----|------|-------|------|---|-----------------------------|
|                    |          |      |    |      |       |      |   |                             |
| D1<br>h9           | D2<br>h6 | L2   | L1 | D3   | L3    | ER   | Z | Artikel-Nr./<br>Article-No. |
| 0,80               | 6,00     | 1,20 | 55 | 0,77 | 14,00 | 0,05 | 2 | EEC.080.08                  |
| 0,80               | 6,00     | 1,20 | 55 | 0,77 | 16,00 | 0,05 | 2 | EEC.080.09                  |
| 0,80               | 6,00     | 1,20 | 55 | 0,77 | 2,00  | 0,08 | 2 | EEC.080.10                  |
| 0,80               | 6,00     | 1,20 | 55 | 0,77 | 4,00  | 0,08 | 2 | EEC.080.11                  |
| 0,80               | 6,00     | 1,20 | 55 | 0,77 | 6,00  | 0,08 | 2 | EEC.080.12                  |
| 0,80               | 6,00     | 1,20 | 55 | 0,77 | 8,00  | 0,08 | 2 | EEC.080.13                  |
| 0,80               | 6,00     | 1,20 | 65 | 0,77 | 10,00 | 0,08 | 2 | EEC.080.14                  |
| 1,00               | 4,00     | 1,60 | 54 | 0,95 | 3,00  | 0,10 | 2 | EEC.100.03                  |
| 1,00               | 4,00     | 1,60 | 54 | 0,95 | 4,00  | 0,10 | 2 | EEC.100.04                  |
| 1,00               | 4,00     | 1,60 | 54 | 0,95 | 5,00  | 0,10 | 2 | EEC.100.05                  |
| 1,00               | 4,00     | 1,60 | 54 | 0,95 | 6,00  | 0,10 | 2 | EEC.100.06                  |
| 1,00               | 4,00     | 1,60 | 54 | 0,95 | 8,00  | 0,10 | 2 | EEC.100.07                  |
| 1,00               | 6,00     | 1,60 | 55 | 0,95 | 3,00  | 0,10 | 2 | EEC.100.10                  |
| 1,00               | 6,00     | 1,60 | 55 | 0,95 | 4,00  | 0,10 | 2 | EEC.100.11                  |
| 1,00               | 6,00     | 1,60 | 55 | 0,95 | 5,00  | 0,10 | 2 | EEC.100.12                  |
| 1,00               | 6,00     | 1,60 | 55 | 0,95 | 6,00  | 0,10 | 2 | EEC.100.13                  |
| 1,00               | 6,00     | 1,60 | 55 | 0,95 | 8,00  | 0,10 | 2 | EEC.100.14                  |
| 1,00               | 6,00     | 1,60 | 65 | 0,95 | 10,00 | 0,10 | 2 | EEC.100.15                  |
| 1,00               | 6,00     | 1,60 | 65 | 0,95 | 12,00 | 0,10 | 2 | EEC.100.16                  |
| 1,00               | 6,00     | 1,60 | 65 | 0,95 | 15,00 | 0,10 | 2 | EEC.100.17                  |
| 1,00               | 6,00     | 1,60 | 65 | 0,95 | 20,00 | 0,10 | 2 | EEC.100.18                  |
| 1,00               | 6,00     | 1,60 | 70 | 0,95 | 25,00 | 0,10 | 2 | EEC.100.19                  |
| 1,00               | 6,00     | 1,60 | 75 | 0,95 | 30,00 | 0,10 | 2 | EEC.100.20                  |
| 1,00               | 6,00     | 1,60 | 65 | 0,95 | 12,00 | 0,20 | 2 | EEC.100.21                  |
| 1,00               | 6,00     | 1,60 | 65 | 0,95 | 16,00 | 0,20 | 2 | EEC.100.22                  |
| 1,00               | 6,00     | 1,60 | 65 | 0,95 | 20,00 | 0,20 | 2 | EEC.100.23                  |
| 1,00               | 6,00     | 1,60 | 65 | 0,95 | 16,00 | 0,10 | 2 | EEC.101.17                  |
| 1,20               | 6,00     | 1,90 | 55 | 1,15 | 3,00  | 0,10 | 2 | EEC.120.09                  |
| 1,20               | 6,00     | 1,90 | 55 | 1,15 | 4,00  | 0,12 | 2 | EEC.120.10                  |
| 1,20               | 6,00     | 1,90 | 55 | 1,15 | 6,00  | 0,12 | 2 | EEC.120.11                  |
| 1,20               | 6,00     | 1,90 | 55 | 1,15 | 8,00  | 0,12 | 2 | EEC.120.12                  |
| 1,20               | 6,00     | 1,90 | 65 | 1,15 | 10,00 | 0,12 | 2 | EEC.120.13                  |
| 1,20               | 6,00     | 1,90 | 65 | 1,15 | 12,00 | 0,12 | 2 | EEC.120.14                  |
| 1,20               | 6,00     | 1,90 | 65 | 1,15 | 15,00 | 0,12 | 2 | EEC.120.15                  |
| 1,20               | 6,00     | 1,90 | 65 | 1,15 | 20,00 | 0,12 | 2 | EEC.120.16                  |
| 1,20               | 6,00     | 1,90 | 70 | 1,15 | 25,00 | 0,12 | 2 | EEC.120.17                  |
| 1,20               | 6,00     | 1,90 | 55 | 1,15 | 5,00  | 0,10 | 2 | EEC.121.12                  |
| 1,20               | 6,00     | 1,90 | 55 | 1,15 | 11,00 | 0,10 | 2 | EEC.121.13                  |
| 1,20               | 6,00     | 1,90 | 65 | 1,15 | 13,00 | 0,10 | 2 | EEC.121.14                  |
| 1,20               | 6,00     | 1,90 | 65 | 1,15 | 16,00 | 0,10 | 2 | EEC.122.15                  |
| 1,20               | 6,00     | 1,90 | 65 | 1,15 | 18,00 | 0,10 | 2 | EEC.122.16                  |
| 1,40               | 6,00     | 2,00 | 55 | 1,35 | 3,00  | 0,10 | 2 | EEC.140.10                  |
| 1,40               | 6,00     | 2,00 | 55 | 1,35 | 5,00  | 0,10 | 2 | EEC.140.11                  |
| 1,40               | 6,00     | 2,00 | 65 | 1,35 | 11,00 | 0,10 | 2 | EEC.140.12                  |
| 1,40               | 6,00     | 2,00 | 65 | 1,35 | 13,00 | 0,10 | 2 | EEC.140.13                  |
| 1,40               | 6,00     | 2,00 | 65 | 1,35 | 16,00 | 0,10 | 2 | EEC.140.14                  |
| 1,40               | 6,00     | 2,00 | 65 | 1,35 | 18,00 | 0,10 | 2 | EEC.140.15                  |
| 1,50               | 6,00     | 2,40 | 55 | 1,35 | 6,00  | 0,10 | 2 | EEC.150.03                  |

# VHM-Mini-Torusfräser HSC

Solid carbide mini torus mill HSC

Artikel-Nr. EEC...

| D1<br>h9 | D2<br>h6 | L2   | L1 | D3   | L3    | ER   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|------|----|------|-------|------|---|-----------------------------|
| 1,50     | 6,00     | 2,40 | 55 | 1,40 | 8,00  | 0,10 | 2 | EEC.150.04                  |
| 1,50     | 6,00     | 2,40 | 65 | 1,40 | 10,00 | 0,10 | 2 | EEC.150.05                  |
| 1,50     | 6,00     | 2,40 | 65 | 1,40 | 12,00 | 0,10 | 2 | EEC.150.06                  |
| 1,50     | 6,00     | 2,40 | 65 | 1,40 | 15,00 | 0,10 | 2 | EEC.150.07                  |
| 1,50     | 6,00     | 2,40 | 65 | 1,40 | 20,00 | 0,10 | 2 | EEC.150.08                  |
| 1,50     | 6,00     | 2,40 | 70 | 1,40 | 25,00 | 0,10 | 2 | EEC.150.09                  |
| 1,50     | 6,00     | 2,40 | 55 | 1,40 | 5,00  | 0,15 | 2 | EEC.150.10                  |
| 1,50     | 6,00     | 2,40 | 55 | 1,40 | 6,00  | 0,15 | 2 | EEC.150.11                  |
| 1,50     | 6,00     | 2,40 | 55 | 1,44 | 8,00  | 0,15 | 2 | EEC.150.12                  |
| 1,50     | 6,00     | 2,40 | 65 | 1,44 | 10,00 | 0,15 | 2 | EEC.150.13                  |
| 1,50     | 6,00     | 2,40 | 65 | 1,44 | 12,00 | 0,15 | 2 | EEC.150.14                  |
| 1,50     | 6,00     | 2,40 | 65 | 1,44 | 15,00 | 0,15 | 2 | EEC.150.15                  |
| 1,50     | 6,00     | 2,40 | 65 | 1,44 | 20,00 | 0,15 | 2 | EEC.150.16                  |
| 1,50     | 6,00     | 2,40 | 70 | 1,44 | 25,00 | 0,15 | 2 | EEC.150.17                  |
| 1,50     | 6,00     | 2,40 | 75 | 1,44 | 30,00 | 0,15 | 2 | EEC.150.18                  |
| 1,50     | 6,00     | 2,40 | 55 | 1,40 | 6,00  | 0,30 | 2 | EEC.150.19                  |
| 1,50     | 6,00     | 2,40 | 65 | 1,40 | 10,00 | 0,30 | 2 | EEC.150.20                  |
| 1,50     | 6,00     | 2,40 | 65 | 1,40 | 15,00 | 0,30 | 2 | EEC.150.21                  |
| 1,60     | 6,00     | 2,50 | 55 | 1,50 | 5,00  | 0,20 | 2 | EEC.160.10                  |
| 1,60     | 6,00     | 2,50 | 55 | 1,50 | 8,00  | 0,20 | 2 | EEC.160.11                  |
| 1,60     | 6,00     | 2,50 | 65 | 1,50 | 12,00 | 0,20 | 2 | EEC.160.12                  |
| 1,60     | 6,00     | 2,50 | 65 | 1,50 | 16,00 | 0,20 | 2 | EEC.160.13                  |
| 1,60     | 6,00     | 2,50 | 65 | 1,50 | 20,00 | 0,20 | 2 | EEC.160.14                  |
| 1,80     | 6,00     | 2,70 | 55 | 1,70 | 6,00  | 0,20 | 2 | EEC.180.10                  |
| 1,80     | 6,00     | 2,70 | 55 | 1,70 | 9,00  | 0,20 | 2 | EEC.180.11                  |
| 1,80     | 6,00     | 2,70 | 65 | 1,70 | 13,00 | 0,20 | 2 | EEC.180.12                  |
| 1,80     | 6,00     | 2,70 | 65 | 1,70 | 18,00 | 0,20 | 2 | EEC.180.13                  |
| 1,80     | 6,00     | 2,70 | 65 | 1,70 | 22,00 | 0,20 | 2 | EEC.180.14                  |
| 2,00     | 4,00     | 2,80 | 54 | 1,92 | 6,00  | 0,20 | 2 | EEC.200.02                  |
| 2,00     | 4,00     | 2,80 | 54 | 1,92 | 8,00  | 0,20 | 2 | EEC.200.04                  |
| 2,00     | 4,00     | 2,80 | 54 | 1,92 | 10,00 | 0,20 | 2 | EEC.200.06                  |
| 2,00     | 6,00     | 2,80 | 55 | 1,92 | 6,00  | 0,20 | 2 | EEC.200.10                  |
| 2,00     | 6,00     | 2,80 | 55 | 1,92 | 8,00  | 0,20 | 2 | EEC.200.11                  |
| 2,00     | 6,00     | 2,80 | 65 | 1,92 | 10,00 | 0,20 | 2 | EEC.200.12                  |
| 2,00     | 6,00     | 2,80 | 65 | 1,92 | 12,00 | 0,20 | 2 | EEC.200.13                  |
| 2,00     | 6,00     | 2,80 | 65 | 1,92 | 15,00 | 0,20 | 2 | EEC.200.14                  |
| 2,00     | 6,00     | 2,80 | 65 | 1,92 | 20,00 | 0,20 | 2 | EEC.200.15                  |
| 2,00     | 6,00     | 2,80 | 70 | 1,92 | 25,00 | 0,20 | 2 | EEC.200.16                  |
| 2,00     | 6,00     | 2,80 | 75 | 1,92 | 30,00 | 0,20 | 2 | EEC.200.17                  |
| 2,00     | 6,00     | 2,80 | 55 | 1,90 | 6,00  | 0,50 | 2 | EEC.200.18                  |
| 2,00     | 6,00     | 2,80 | 65 | 1,90 | 12,00 | 0,50 | 2 | EEC.200.19                  |
| 2,00     | 6,00     | 2,80 | 65 | 1,90 | 20,00 | 0,50 | 2 | EEC.200.20                  |
| 2,00     | 6,00     | 2,80 | 70 | 1,90 | 25,00 | 0,50 | 2 | EEC.200.21                  |
| 2,00     | 6,00     | 2,80 | 65 | 1,90 | 16,00 | 0,20 | 2 | EEC.201.14                  |
| 2,50     | 6,00     | 2,80 | 55 | 2,40 | 8,00  | 0,25 | 2 | EEC.250.10                  |
| 2,50     | 6,00     | 2,80 | 65 | 2,40 | 12,00 | 0,25 | 2 | EEC.250.11                  |
| 2,50     | 6,00     | 2,80 | 65 | 2,40 | 16,00 | 0,25 | 2 | EEC.250.12                  |
| 2,50     | 6,00     | 2,80 | 65 | 2,40 | 20,00 | 0,25 | 2 | EEC.250.13                  |

# VHM-Mini-Torusfräser HSC

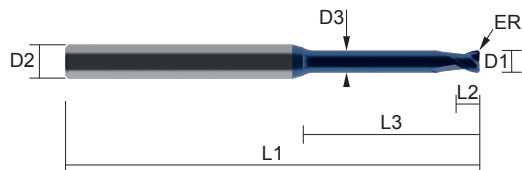
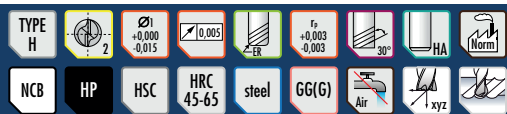
Solid carbide mini torus mill HSC

| Artikel-Nr. EEC... |          |      |    |      |       |      |   |                             |
|--------------------|----------|------|----|------|-------|------|---|-----------------------------|
|                    |          |      |    |      |       |      |   |                             |
| D1<br>h9           | D2<br>h6 | L2   | L1 | D3   | L3    | ER   | Z | Artikel-Nr./<br>Article-No. |
| 2,50               | 6,00     | 2,80 | 70 | 2,40 | 22,00 | 0,25 | 2 | EEC.250.14                  |
| 2,50               | 6,00     | 2,80 | 70 | 2,40 | 25,00 | 0,25 | 2 | EEC.250.15                  |
| 3,00               | 6,00     | 3,00 | 55 | 2,90 | 6,00  | 0,30 | 2 | EEC.300.03                  |
| 3,00               | 6,00     | 3,00 | 55 | 2,90 | 8,00  | 0,30 | 2 | EEC.300.04                  |
| 3,00               | 6,00     | 3,00 | 55 | 2,90 | 10,00 | 0,30 | 2 | EEC.300.05                  |
| 3,00               | 6,00     | 3,00 | 65 | 2,90 | 12,00 | 0,30 | 2 | EEC.300.06                  |
| 3,00               | 6,00     | 3,00 | 65 | 2,90 | 16,00 | 0,30 | 2 | EEC.300.07                  |
| 3,00               | 6,00     | 3,00 | 65 | 2,90 | 20,00 | 0,30 | 2 | EEC.300.08                  |
| 3,00               | 6,00     | 3,00 | 70 | 2,90 | 25,00 | 0,30 | 2 | EEC.300.09                  |
| 3,00               | 6,00     | 3,00 | 55 | 2,90 | 5,00  | 0,50 | 2 | EEC.300.10                  |
| 3,00               | 6,00     | 3,00 | 55 | 2,90 | 8,00  | 0,50 | 2 | EEC.300.11                  |
| 3,00               | 6,00     | 3,00 | 65 | 2,90 | 10,00 | 0,50 | 2 | EEC.300.12                  |
| 3,00               | 6,00     | 3,00 | 65 | 2,90 | 15,00 | 0,50 | 2 | EEC.300.13                  |
| 3,00               | 6,00     | 3,00 | 65 | 2,90 | 20,00 | 0,50 | 2 | EEC.300.14                  |
| 3,00               | 6,00     | 3,00 | 70 | 2,90 | 25,00 | 0,50 | 2 | EEC.300.15                  |
| 3,00               | 6,00     | 3,00 | 75 | 2,90 | 30,00 | 0,50 | 2 | EEC.300.16                  |
| 3,00               | 6,00     | 3,00 | 55 | 2,90 | 6,00  | 0,50 | 2 | EEC.301.10                  |
| 3,00               | 6,00     | 3,00 | 55 | 2,90 | 12,00 | 0,50 | 2 | EEC.301.12                  |
| 4,00               | 6,00     | 4,00 | 65 | 3,90 | 10,00 | 0,40 | 2 | EEC.400.04                  |
| 4,00               | 6,00     | 4,00 | 65 | 3,90 | 15,00 | 0,40 | 2 | EEC.400.05                  |
| 4,00               | 6,00     | 4,00 | 65 | 3,90 | 20,00 | 0,40 | 2 | EEC.400.06                  |
| 4,00               | 6,00     | 4,00 | 70 | 3,90 | 25,00 | 0,40 | 2 | EEC.400.07                  |
| 4,00               | 6,00     | 4,00 | 75 | 3,90 | 30,00 | 0,40 | 2 | EEC.400.08                  |
| 4,00               | 6,00     | 4,00 | 75 | 3,90 | 35,00 | 0,40 | 2 | EEC.400.09                  |
| 4,00               | 6,00     | 4,00 | 65 | 3,90 | 10,00 | 0,50 | 2 | EEC.400.10                  |
| 4,00               | 6,00     | 4,00 | 65 | 3,90 | 15,00 | 0,50 | 2 | EEC.400.11                  |
| 4,00               | 6,00     | 4,00 | 65 | 3,90 | 20,00 | 0,50 | 2 | EEC.400.12                  |
| 4,00               | 6,00     | 4,00 | 70 | 3,90 | 25,00 | 0,50 | 2 | EEC.400.13                  |
| 4,00               | 6,00     | 4,00 | 75 | 3,90 | 30,00 | 0,50 | 2 | EEC.400.14                  |
| 4,00               | 6,00     | 4,00 | 75 | 3,90 | 40,00 | 0,50 | 2 | EEC.400.15                  |
| 5,00               | 6,00     | 5,00 | 65 | 4,90 | 10,00 | 0,50 | 2 | EEC.500.10                  |
| 5,00               | 6,00     | 5,00 | 65 | 4,90 | 15,00 | 0,50 | 2 | EEC.500.11                  |
| 5,00               | 6,00     | 5,00 | 65 | 4,90 | 20,00 | 0,50 | 2 | EEC.500.12                  |
| 5,00               | 6,00     | 5,00 | 75 | 4,90 | 30,00 | 0,50 | 2 | EEC.500.13                  |
| 5,00               | 6,00     | 5,00 | 90 | 4,90 | 40,00 | 0,50 | 2 | EEC.500.14                  |
| 5,00               | 6,00     | 5,00 | 65 | 4,90 | 25,00 | 0,50 | 2 | EEC.501.12                  |
| 6,00               | 6,00     | 6,00 | 65 | 5,90 | 10,00 | 0,50 | 2 | EEC.600.10                  |
| 6,00               | 6,00     | 6,00 | 65 | 5,90 | 15,00 | 0,50 | 2 | EEC.600.11                  |
| 6,00               | 6,00     | 6,00 | 65 | 5,90 | 20,00 | 0,50 | 2 | EEC.600.12                  |
| 6,00               | 6,00     | 6,00 | 75 | 5,90 | 30,00 | 0,50 | 2 | EEC.600.13                  |
| 6,00               | 6,00     | 6,00 | 90 | 5,90 | 40,00 | 0,50 | 2 | EEC.600.14                  |
| 6,00               | 6,00     | 6,00 | 90 | 5,90 | 50,00 | 0,50 | 2 | EEC.600.15                  |
| 6,00               | 6,00     | 6,00 | 65 | 4,90 | 20,00 | 0,60 | 2 | EEC.600.16                  |
| 6,00               | 6,00     | 6,00 | 65 | 4,90 | 25,00 | 0,60 | 2 | EEC.600.17                  |
| 6,00               | 6,00     | 6,00 | 75 | 4,90 | 30,00 | 0,60 | 2 | EEC.600.18                  |
| 6,00               | 6,00     | 6,00 | 75 | 4,90 | 35,00 | 0,60 | 2 | EEC.600.19                  |
| 6,00               | 6,00     | 6,00 | 90 | 4,90 | 40,00 | 0,60 | 2 | EEC.600.20                  |
| 6,00               | 6,00     | 6,00 | 90 | 4,90 | 50,00 | 0,60 | 2 | EEC.600.21                  |

# VHM-Mini-Torusfräser HSC

Solid carbide mini torus mill HSC

Artikel-Nr. EEH...



| D1<br>+0,000<br>- 0,015 | D2<br>h5 | L2   | L1 | D3   | L3 | ER   | Z | Artikel-Nr./<br>Article-No. |
|-------------------------|----------|------|----|------|----|------|---|-----------------------------|
| 0,30                    | 6,00     | 0,45 | 55 | 0,28 | 3  | 0,05 | 2 | EEH.030.12                  |
| 0,40                    | 6,00     | 0,60 | 55 | 0,38 | 2  | 0,05 | 2 | EEH.040.10                  |
| 0,50                    | 6,00     | 0,70 | 55 | 0,48 | 2  | 0,05 | 2 | EEH.050.10                  |
| 0,50                    | 6,00     | 0,70 | 55 | 0,48 | 4  | 0,05 | 2 | EEH.050.11                  |
| 0,60                    | 6,00     | 0,90 | 55 | 0,58 | 6  | 0,06 | 2 | EEH.060.12                  |
| 0,80                    | 6,00     | 1,20 | 55 | 0,77 | 4  | 0,08 | 2 | EEH.080.11                  |
| 0,80                    | 6,00     | 1,20 | 55 | 0,77 | 6  | 0,08 | 2 | EEH.080.12                  |
| 0,80                    | 6,00     | 1,20 | 55 | 0,77 | 8  | 0,08 | 2 | EEH.080.13                  |
| 1,00                    | 4,00     | 1,60 | 54 | 0,95 | 3  | 0,10 | 2 | EEH.100.02                  |
| 1,00                    | 4,00     | 1,60 | 54 | 0,95 | 4  | 0,10 | 2 | EEH.100.04                  |
| 1,00                    | 4,00     | 1,60 | 54 | 0,95 | 6  | 0,10 | 2 | EEH.100.06                  |
| 1,00                    | 4,00     | 1,60 | 54 | 0,95 | 8  | 0,10 | 2 | EEH.100.08                  |
| 1,00                    | 6,00     | 1,60 | 55 | 0,95 | 3  | 0,10 | 2 | EEH.100.10                  |
| 1,00                    | 6,00     | 1,60 | 55 | 0,95 | 4  | 0,10 | 2 | EEH.100.11                  |
| 1,00                    | 6,00     | 1,60 | 55 | 0,95 | 5  | 0,10 | 2 | EEH.100.12                  |
| 1,00                    | 6,00     | 1,60 | 55 | 0,95 | 6  | 0,10 | 2 | EEH.100.13                  |
| 1,00                    | 6,00     | 1,60 | 55 | 0,95 | 8  | 0,10 | 2 | EEH.100.14                  |
| 1,00                    | 6,00     | 1,60 | 55 | 0,95 | 10 | 0,10 | 2 | EEH.100.15                  |
| 1,20                    | 6,00     | 1,90 | 55 | 1,15 | 6  | 0,12 | 2 | EEH.120.11                  |
| 1,20                    | 6,00     | 1,90 | 55 | 1,15 | 8  | 0,12 | 2 | EEH.120.12                  |
| 1,20                    | 6,00     | 1,90 | 65 | 1,15 | 15 | 0,12 | 2 | EEH.120.15                  |
| 1,50                    | 6,00     | 2,40 | 55 | 1,44 | 6  | 0,15 | 2 | EEH.150.11                  |
| 1,50                    | 6,00     | 2,40 | 55 | 1,44 | 8  | 0,15 | 2 | EEH.150.12                  |
| 1,50                    | 6,00     | 2,40 | 65 | 1,44 | 12 | 0,15 | 2 | EEH.150.14                  |
| 2,00                    | 4,00     | 2,80 | 54 | 1,92 | 6  | 0,20 | 2 | EEH.200.02                  |
| 2,00                    | 4,00     | 2,80 | 54 | 1,92 | 8  | 0,20 | 2 | EEH.200.04                  |
| 2,00                    | 4,00     | 2,80 | 54 | 1,92 | 10 | 0,20 | 2 | EEH.200.06                  |
| 2,00                    | 6,00     | 2,80 | 55 | 1,92 | 6  | 0,20 | 2 | EEH.200.10                  |
| 2,00                    | 6,00     | 2,80 | 55 | 1,92 | 8  | 0,20 | 2 | EEH.200.11                  |
| 2,00                    | 6,00     | 2,80 | 65 | 1,92 | 10 | 0,20 | 2 | EEH.200.12                  |
| 2,00                    | 6,00     | 2,80 | 65 | 1,92 | 12 | 0,20 | 2 | EEH.200.13                  |
| 2,00                    | 6,00     | 2,80 | 65 | 1,92 | 20 | 0,20 | 2 | EEH.200.15                  |
| 3,00                    | 6,00     | 3,00 | 55 | 2,90 | 8  | 0,50 | 2 | EEH.300.11                  |
| 3,00                    | 6,00     | 3,00 | 65 | 2,90 | 10 | 0,50 | 2 | EEH.300.12                  |
| 3,00                    | 6,00     | 3,00 | 65 | 2,90 | 15 | 1,00 | 2 | EEH.300.13                  |
| 3,00                    | 6,00     | 3,00 | 65 | 2,90 | 20 | 0,50 | 2 | EEH.300.14                  |
| 4,00                    | 6,00     | 4,00 | 65 | 3,90 | 10 | 0,50 | 2 | EEH.400.10                  |
| 4,00                    | 6,00     | 4,00 | 65 | 3,90 | 15 | 0,50 | 2 | EEH.400.11                  |
| 4,00                    | 6,00     | 4,00 | 65 | 3,90 | 20 | 0,50 | 2 | EEH.400.12                  |
| 4,00                    | 6,00     | 4,00 | 70 | 3,90 | 25 | 0,50 | 2 | EEH.400.13                  |
| 4,00                    | 6,00     | 4,00 | 75 | 3,90 | 30 | 0,50 | 2 | EEH.400.14                  |
| 6,00                    | 6,00     | 6,00 | 65 | 5,90 | 20 | 0,50 | 2 | EEH.600.12                  |

## VHM-Mini-Torusfräser HSC

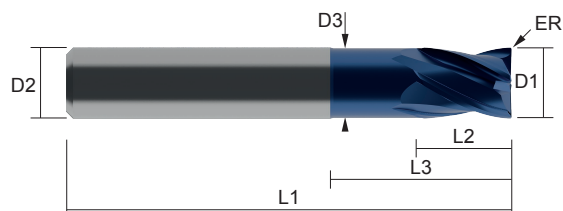
Solid carbide mini torus mill HSC

| Artikel-Nr. EEH...     |          |       |     |       |    |      |   |                             |
|------------------------|----------|-------|-----|-------|----|------|---|-----------------------------|
|                        |          |       |     |       |    |      |   |                             |
| D1<br>+0,000<br>-0,015 | D2<br>h5 | L2    | L1  | D3    | L3 | ER   | Z | Artikel-Nr./<br>Article-No. |
| 6,00                   | 6,00     | 6,00  | 75  | 5,90  | 30 | 1,00 | 2 | EEH.600.13                  |
| 6,00                   | 6,00     | 6,00  | 90  | 5,90  | 40 | 0,50 | 2 | EEH.600.14                  |
| 6,00                   | 6,00     | 6,00  | 90  | 5,90  | 50 | 1,00 | 2 | EEH.600.15                  |
| 8,00                   | 8,00     | 8,00  | 70  | 7,80  | 25 | 0,50 | 2 | EEH.800.01                  |
| 8,00                   | 8,00     | 16,00 | 70  | 7,80  | 25 | 0,50 | 2 | EEH.800.02                  |
| 8,00                   | 8,00     | 8,00  | 104 | 7,80  | 60 | 0,50 | 2 | EEH.800.03                  |
| 8,00                   | 8,00     | 16,00 | 104 | 7,80  | 60 | 0,50 | 2 | EEH.800.04                  |
| 10,00                  | 10,00    | 10,00 | 72  | 9,80  | 25 | 1,00 | 2 | EEH.1000.01                 |
| 10,00                  | 10,00    | 20,00 | 72  | 9,80  | 25 | 1,00 | 2 | EEH.1000.02                 |
| 10,00                  | 10,00    | 10,00 | 104 | 9,80  | 60 | 1,00 | 2 | EEH.1000.03                 |
| 10,00                  | 10,00    | 20,00 | 104 | 9,80  | 60 | 1,00 | 2 | EEH.1000.04                 |
| 12,00                  | 12,00    | 12,00 | 83  | 11,80 | 35 | 1,00 | 2 | EEH.1200.01                 |
| 12,00                  | 12,00    | 24,00 | 83  | 11,80 | 35 | 1,00 | 2 | EEH.1200.02                 |
| 12,00                  | 12,00    | 12,00 | 115 | 11,80 | 70 | 1,00 | 2 | EEH.1200.03                 |
| 12,00                  | 12,00    | 24,00 | 115 | 11,80 | 70 | 1,00 | 2 | EEH.1200.04                 |

## VHM-Torusfräser HSC

Solid carbide torus mill HSC

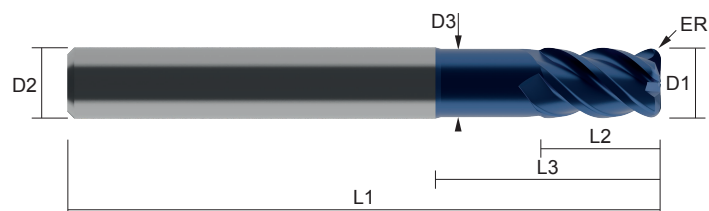
| Artikel-Nr. DCZ... |          |       |     |       |    |      |   |                             |
|--------------------|----------|-------|-----|-------|----|------|---|-----------------------------|
|                    |          |       |     |       |    |      |   |                             |
| D1<br>h9           | D2<br>h6 | L2    | L1  | D3    | L3 | ER   | Z | Artikel-Nr./<br>Article-No. |
| 1,00               | 3,00     | 1,50  | 39  | -     | -  | 0,10 | 4 | DCZ.010.00                  |
| 1,50               | 3,00     | 2,20  | 39  | -     | -  | 0,10 | 4 | DCZ.015.00                  |
| 2,00               | 3,00     | 3,00  | 39  | 1,90  | 6  | 0,10 | 4 | DCZ.020.00                  |
| 2,50               | 3,00     | 4,00  | 39  | 2,40  | 6  | 0,10 | 4 | DCZ.025.00                  |
| 3,00               | 6,00     | 4,00  | 45  | 2,90  | 7  | 0,10 | 4 | DCZ.030.00                  |
| 3,50               | 6,00     | 5,00  | 45  | 3,30  | 9  | 0,10 | 4 | DCZ.035.00                  |
| 4,00               | 6,00     | 5,00  | 45  | 3,80  | 9  | 0,10 | 4 | DCZ.040.00                  |
| 4,50               | 6,00     | 6,00  | 45  | 4,30  | 10 | 0,10 | 4 | DCZ.045.00                  |
| 5,00               | 6,00     | 6,00  | 50  | 4,80  | 11 | 0,20 | 4 | DCZ.050.00                  |
| 6,00               | 6,00     | 7,00  | 50  | 5,80  | 14 | 0,20 | 4 | DCZ.060.00                  |
| 8,00               | 8,00     | 9,00  | 60  | 7,80  | 18 | 0,20 | 4 | DCZ.080.00                  |
| 10,00              | 10,00    | 12,00 | 75  | 9,70  | 25 | 0,20 | 4 | DCZ.100.00                  |
| 12,00              | 12,00    | 15,00 | 75  | 11,70 | 30 | 0,30 | 4 | DCZ.120.00                  |
| 16,00              | 16,00    | 18,00 | 90  | 15,70 | 38 | 0,30 | 4 | DCZ.160.00                  |
| 20,00              | 20,00    | 24,00 | 100 | 19,70 | 45 | 0,30 | 4 | DCZ.200.00                  |



# VHM-Torusfräser HSC

Solid carbide torus mill HSC

Artikel-Nr. CAC...

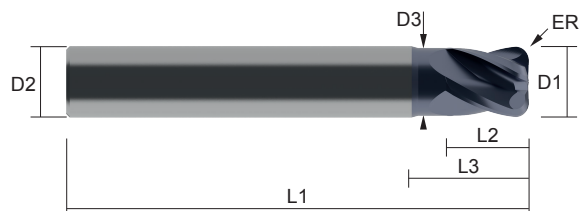
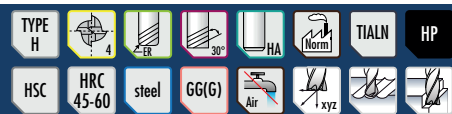


| D1<br>+0,000<br>- 0,015 | D2<br>h5 | L2 | L1  | D3    | L3 | ER   | Z | Artikel-Nr./<br>Article-No. |
|-------------------------|----------|----|-----|-------|----|------|---|-----------------------------|
| 2,00                    | 6,00     | 6  | 57  | 1,90  | 12 | 0,20 | 4 | CAC.020.00                  |
| 2,00                    | 6,00     | 6  | 57  | 1,90  | 12 | 0,30 | 4 | CAC.030.00                  |
| 3,00                    | 6,00     | 8  | 57  | 2,80  | 15 | 0,30 | 4 | CAC.040.00                  |
| 3,00                    | 6,00     | 8  | 57  | 2,80  | 15 | 0,50 | 4 | CAC.050.00                  |
| 4,00                    | 6,00     | 11 | 57  | 3,60  | 21 | 0,20 | 4 | CAC.060.00                  |
| 4,00                    | 6,00     | 11 | 57  | 3,60  | 21 | 0,30 | 4 | CAC.070.00                  |
| 4,00                    | 6,00     | 11 | 57  | 3,60  | 21 | 0,50 | 4 | CAC.080.00                  |
| 4,00                    | 6,00     | 11 | 57  | 3,60  | 21 | 1,00 | 4 | CAC.090.00                  |
| 5,00                    | 6,00     | 12 | 57  | 4,60  | 21 | 0,20 | 4 | CAC.100.00                  |
| 5,00                    | 6,00     | 12 | 57  | 4,60  | 21 | 0,50 | 4 | CAC.110.00                  |
| 5,00                    | 6,00     | 12 | 57  | 4,60  | 21 | 1,00 | 4 | CAC.120.00                  |
| 6,00                    | 6,00     | 12 | 57  | 5,50  | 21 | 0,10 | 4 | CAC.130.00                  |
| 6,00                    | 6,00     | 12 | 57  | 5,50  | 21 | 0,20 | 4 | CAC.140.00                  |
| 6,00                    | 6,00     | 12 | 57  | 5,50  | 21 | 0,30 | 4 | CAC.150.00                  |
| 6,00                    | 6,00     | 12 | 57  | 5,50  | 21 | 0,50 | 4 | CAC.160.00                  |
| 6,00                    | 6,00     | 12 | 57  | 5,50  | 21 | 1,00 | 4 | CAC.170.00                  |
| 6,00                    | 6,00     | 12 | 57  | 5,50  | 21 | 2,00 | 4 | CAC.180.00                  |
| 8,00                    | 8,00     | 15 | 75  | 7,50  | 27 | 0,30 | 4 | CAC.190.00                  |
| 8,00                    | 8,00     | 15 | 75  | 7,50  | 27 | 0,50 | 4 | CAC.200.00                  |
| 8,00                    | 8,00     | 15 | 75  | 7,50  | 27 | 1,00 | 4 | CAC.210.00                  |
| 8,00                    | 8,00     | 15 | 75  | 7,50  | 27 | 1,50 | 4 | CAC.220.00                  |
| 8,00                    | 8,00     | 15 | 75  | 7,50  | 27 | 2,00 | 4 | CAC.230.00                  |
| 10,00                   | 10,00    | 17 | 75  | 9,50  | 32 | 0,50 | 4 | CAC.240.00                  |
| 10,00                   | 10,00    | 17 | 80  | 9,50  | 32 | 1,00 | 4 | CAC.250.00                  |
| 10,00                   | 10,00    | 17 | 80  | 9,50  | 32 | 1,50 | 4 | CAC.260.00                  |
| 10,00                   | 10,00    | 17 | 80  | 9,50  | 32 | 2,00 | 4 | CAC.270.00                  |
| 12,00                   | 12,00    | 20 | 100 | 11,50 | 38 | 0,50 | 4 | CAC.280.00                  |
| 12,00                   | 12,00    | 20 | 100 | 11,50 | 38 | 1,00 | 4 | CAC.290.00                  |
| 12,00                   | 12,00    | 20 | 100 | 11,50 | 38 | 1,50 | 4 | CAC.300.00                  |
| 12,00                   | 12,00    | 20 | 100 | 11,50 | 38 | 2,00 | 4 | CAC.310.00                  |
| 16,00                   | 16,00    | 25 | 110 | 15,50 | 42 | 1,00 | 4 | CAC.320.00                  |
| 16,00                   | 16,00    | 25 | 110 | 15,50 | 42 | 1,50 | 4 | CAC.330.00                  |
| 16,00                   | 16,00    | 25 | 110 | 15,50 | 42 | 2,00 | 4 | CAC.340.00                  |
| 16,00                   | 16,00    | 25 | 110 | 15,50 | 42 | 3,00 | 4 | CAC.350.00                  |

# VHM-Torusfräser HSC kurz

Solid carbide torus mill HSC short

Artikel-Nr. FDZ...

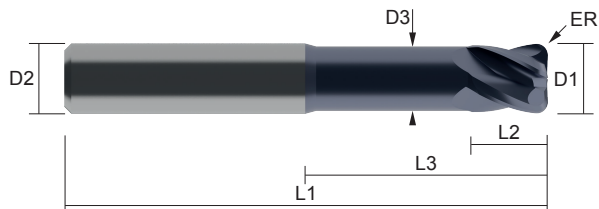


| D1<br>+0,000<br>-0,015 | D2<br>h6 | L2 | L1 | D3   | L3 | ER   | Z | Artikel-Nr./<br>Article-No. |
|------------------------|----------|----|----|------|----|------|---|-----------------------------|
| 2,00                   | 6,00     | 4  | 50 | 1,80 | 11 | 0,10 | 4 | FDZ.020.01                  |
| 2,00                   | 6,00     | 4  | 50 | 1,80 | 11 | 0,20 | 4 | FDZ.020.02                  |
| 2,00                   | 6,00     | 4  | 50 | 1,80 | 11 | 0,30 | 4 | FDZ.020.03                  |
| 2,00                   | 6,00     | 4  | 50 | 1,80 | 11 | 0,40 | 4 | FDZ.020.04                  |
| 3,00                   | 6,00     | 4  | 50 | 2,80 | 11 | 0,20 | 4 | FDZ.030.02                  |
| 3,00                   | 6,00     | 4  | 50 | 2,80 | 11 | 0,30 | 4 | FDZ.030.03                  |
| 3,00                   | 6,00     | 4  | 50 | 2,80 | 11 | 0,40 | 4 | FDZ.030.04                  |
| 3,00                   | 6,00     | 4  | 50 | 2,80 | 11 | 0,50 | 4 | FDZ.030.05                  |
| 3,00                   | 6,00     | 4  | 50 | 2,80 | 11 | 1,00 | 4 | FDZ.030.10                  |
| 4,00                   | 6,00     | 6  | 50 | 3,60 | 11 | 0,10 | 4 | FDZ.040.01                  |
| 4,00                   | 6,00     | 6  | 50 | 3,60 | 11 | 0,20 | 4 | FDZ.040.02                  |
| 4,00                   | 6,00     | 6  | 50 | 3,60 | 11 | 0,30 | 4 | FDZ.040.03                  |
| 4,00                   | 6,00     | 6  | 50 | 3,60 | 11 | 0,40 | 4 | FDZ.040.04                  |
| 4,00                   | 6,00     | 6  | 50 | 3,60 | 11 | 0,50 | 4 | FDZ.040.05                  |
| 4,00                   | 6,00     | 6  | 50 | 3,60 | 11 | 0,80 | 4 | FDZ.040.08                  |
| 4,00                   | 6,00     | 6  | 50 | 3,60 | 11 | 1,00 | 4 | FDZ.040.10                  |
| 4,00                   | 6,00     | 6  | 50 | 3,60 | 11 | 1,50 | 4 | FDZ.040.15                  |
| 5,00                   | 6,00     | 6  | 50 | 4,60 | 11 | 0,20 | 4 | FDZ.050.02                  |
| 5,00                   | 6,00     | 6  | 50 | 4,60 | 11 | 0,30 | 4 | FDZ.050.03                  |
| D1<br>+0,00<br>-0,02   | D2<br>h6 |    |    |      |    |      |   |                             |
| 6,00                   | 6,00     | 7  | 50 | 5,50 | 11 | 0,10 | 4 | FDZ.060.01                  |
| 6,00                   | 6,00     | 7  | 50 | 5,50 | 11 | 0,20 | 4 | FDZ.060.02                  |
| 6,00                   | 6,00     | 7  | 50 | 5,50 | 11 | 0,30 | 4 | FDZ.060.03                  |
| 6,00                   | 6,00     | 7  | 50 | 5,50 | 11 | 0,40 | 4 | FDZ.060.04                  |
| 6,00                   | 6,00     | 7  | 50 | 5,50 | 11 | 0,50 | 4 | FDZ.060.05                  |
| 6,00                   | 6,00     | 7  | 50 | 5,50 | 11 | 0,80 | 4 | FDZ.060.08                  |
| 6,00                   | 6,00     | 7  | 50 | 5,50 | 11 | 0,90 | 4 | FDZ.060.09                  |
| 6,00                   | 6,00     | 7  | 50 | 5,50 | 11 | 1,00 | 4 | FDZ.060.10                  |
| 6,00                   | 6,00     | 7  | 50 | 5,50 | 11 | 2,00 | 4 | FDZ.060.20                  |
| 8,00                   | 8,00     | 9  | 58 | 7,40 | 13 | 0,50 | 4 | FDZ.080.05                  |
| 8,00                   | 8,00     | 9  | 58 | 7,40 | 13 | 1,00 | 4 | FDZ.080.10                  |
| 8,00                   | 8,00     | 9  | 58 | 7,40 | 13 | 1,50 | 4 | FDZ.080.15                  |
| 8,00                   | 8,00     | 9  | 58 | 7,40 | 13 | 2,00 | 4 | FDZ.080.20                  |
| 10,00                  | 10,00    | 11 | 66 | 9,20 | 15 | 0,50 | 4 | FDZ.100.05                  |
| 10,00                  | 10,00    | 11 | 66 | 9,20 | 15 | 1,00 | 4 | FDZ.100.10                  |
| 10,00                  | 10,00    | 11 | 66 | 9,20 | 15 | 1,50 | 4 | FDZ.100.15                  |
| 10,00                  | 10,00    | 11 | 66 | 9,20 | 15 | 2,00 | 4 | FDZ.100.20                  |

# VHM-Torusfräser HSC lang

Solid carbide torus mill HSC long

Artikel-Nr. FDA...



| D1<br>+0,000<br>-0,015 | D2<br>h6 | L2 | L1 | D3   | L3 | ER   | Z | Artikel-Nr./<br>Article-No. |
|------------------------|----------|----|----|------|----|------|---|-----------------------------|
| 2,00                   | 6,00     | 4  | 57 | 1,80 | 21 | 0,10 | 4 | FDA.020.01                  |
| 2,00                   | 6,00     | 4  | 57 | 1,80 | 21 | 0,20 | 4 | FDA.020.02                  |
| 2,00                   | 6,00     | 4  | 57 | 1,80 | 21 | 0,30 | 4 | FDA.020.03                  |
| 2,00                   | 6,00     | 4  | 57 | 1,80 | 21 | 0,40 | 4 | FDA.020.04                  |
| 2,00                   | 6,00     | 4  | 57 | 1,80 | 21 | 0,50 | 4 | FDA.020.05                  |
| 3,00                   | 6,00     | 6  | 57 | 2,80 | 21 | 0,10 | 4 | FDA.030.01                  |
| 3,00                   | 6,00     | 6  | 57 | 2,80 | 21 | 0,20 | 4 | FDA.030.02                  |
| 3,00                   | 6,00     | 6  | 57 | 2,80 | 21 | 0,30 | 4 | FDA.030.03                  |
| 3,00                   | 6,00     | 6  | 57 | 2,80 | 21 | 0,40 | 4 | FDA.030.04                  |
| 3,00                   | 6,00     | 6  | 57 | 2,80 | 21 | 0,50 | 4 | FDA.030.05                  |
| 3,00                   | 6,00     | 6  | 57 | 2,80 | 21 | 1,00 | 4 | FDA.030.10                  |
| 4,00                   | 6,00     | 6  | 57 | 3,60 | 21 | 0,10 | 4 | FDA.040.01                  |
| 4,00                   | 6,00     | 6  | 57 | 3,60 | 21 | 0,20 | 4 | FDA.040.02                  |
| 4,00                   | 6,00     | 6  | 57 | 3,60 | 21 | 0,30 | 4 | FDA.040.03                  |
| 4,00                   | 6,00     | 6  | 57 | 3,60 | 21 | 0,40 | 4 | FDA.040.04                  |
| 4,00                   | 6,00     | 6  | 57 | 3,60 | 21 | 0,50 | 4 | FDA.040.05                  |
| 4,00                   | 6,00     | 6  | 57 | 3,60 | 21 | 0,60 | 4 | FDA.040.06                  |
| 4,00                   | 6,00     | 6  | 57 | 3,60 | 21 | 0,70 | 4 | FDA.040.07                  |
| 4,00                   | 6,00     | 6  | 57 | 3,60 | 21 | 0,80 | 4 | FDA.040.08                  |
| 4,00                   | 6,00     | 6  | 57 | 3,60 | 21 | 1,00 | 4 | FDA.040.10                  |
| 4,00                   | 6,00     | 6  | 57 | 3,60 | 21 | 1,50 | 4 | FDA.040.15                  |
| 5,00                   | 6,00     | 6  | 57 | 4,60 | 21 | 0,10 | 4 | FDA.050.01                  |
| 5,00                   | 6,00     | 6  | 57 | 4,60 | 21 | 0,20 | 4 | FDA.050.02                  |
| 5,00                   | 6,00     | 6  | 57 | 4,60 | 21 | 0,30 | 4 | FDA.050.03                  |
| 5,00                   | 6,00     | 6  | 57 | 4,60 | 21 | 0,40 | 4 | FDA.050.04                  |
| 5,00                   | 6,00     | 6  | 57 | 4,60 | 21 | 0,50 | 4 | FDA.050.05                  |
| 5,00                   | 6,00     | 6  | 57 | 4,60 | 21 | 1,00 | 4 | FDA.050.10                  |
| 5,00                   | 6,00     | 6  | 57 | 4,60 | 21 | 1,50 | 4 | FDA.050.15                  |
| 5,00                   | 6,00     | 6  | 57 | 4,60 | 21 | 2,00 | 4 | FDA.050.20                  |
| D1<br>+0,00<br>-0,02   | D2<br>h6 |    |    |      |    |      |   |                             |
| 6,00                   | 6,00     | 7  | 57 | 5,50 | 21 | 0,10 | 4 | FDA.060.01                  |
| 6,00                   | 6,00     | 7  | 57 | 5,50 | 21 | 0,20 | 4 | FDA.060.02                  |
| 6,00                   | 6,00     | 7  | 57 | 5,50 | 21 | 0,30 | 4 | FDA.060.03                  |
| 6,00                   | 6,00     | 7  | 57 | 5,50 | 21 | 0,40 | 4 | FDA.060.04                  |
| 6,00                   | 6,00     | 7  | 57 | 5,50 | 21 | 0,50 | 4 | FDA.060.05                  |
| 6,00                   | 6,00     | 7  | 57 | 5,50 | 21 | 0,60 | 4 | FDA.060.06                  |
| 6,00                   | 6,00     | 7  | 57 | 5,50 | 21 | 0,80 | 4 | FDA.060.08                  |

# VHM-Torusfräser HSC lang

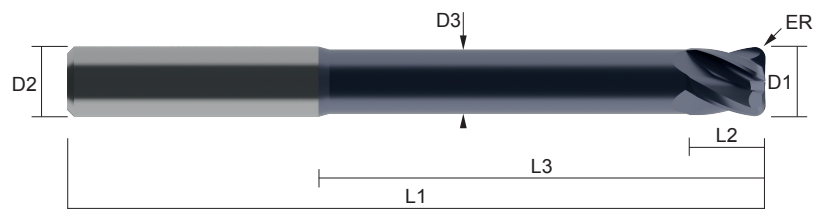
Solid carbide torus mill HSC long

| Artikel-Nr. FDA...   |          |    |    |       |    |      |   |                             |
|----------------------|----------|----|----|-------|----|------|---|-----------------------------|
|                      |          |    |    |       |    |      |   |                             |
| D1<br>+0,00<br>-0,02 | D2<br>h6 | L2 | L1 | D3    | L3 | ER   | Z | Artikel-Nr./<br>Article-No. |
| 6,00                 | 6,00     | 7  | 57 | 5,50  | 21 | 1,00 | 4 | FDA.060.10                  |
| 6,00                 | 6,00     | 7  | 57 | 5,50  | 21 | 1,20 | 4 | FDA.060.12                  |
| 6,00                 | 6,00     | 7  | 57 | 5,50  | 21 | 1,50 | 4 | FDA.060.15                  |
| 6,00                 | 6,00     | 7  | 57 | 5,50  | 21 | 2,00 | 4 | FDA.060.20                  |
| 6,00                 | 6,00     | 7  | 57 | 5,50  | 21 | 2,50 | 4 | FDA.060.25                  |
| 8,00                 | 8,00     | 9  | 63 | 7,40  | 27 | 0,10 | 4 | FDA.080.01                  |
| 8,00                 | 8,00     | 9  | 63 | 7,40  | 27 | 0,30 | 4 | FDA.080.03                  |
| 8,00                 | 8,00     | 9  | 63 | 7,40  | 27 | 0,50 | 4 | FDA.080.05                  |
| 8,00                 | 8,00     | 9  | 63 | 7,40  | 27 | 1,00 | 4 | FDA.080.10                  |
| 8,00                 | 8,00     | 9  | 63 | 7,40  | 27 | 1,50 | 4 | FDA.080.15                  |
| 8,00                 | 8,00     | 9  | 63 | 7,40  | 27 | 2,00 | 4 | FDA.080.20                  |
| 10,00                | 10,00    | 11 | 72 | 9,20  | 32 | 0,50 | 4 | FDA.100.05                  |
| 10,00                | 10,00    | 11 | 72 | 9,20  | 32 | 1,00 | 4 | FDA.100.10                  |
| 10,00                | 10,00    | 11 | 72 | 9,20  | 32 | 1,50 | 4 | FDA.100.15                  |
| 10,00                | 10,00    | 11 | 72 | 9,20  | 32 | 2,00 | 4 | FDA.100.20                  |
| D1<br>+0,00<br>-0,03 | D2<br>h6 |    |    |       |    |      |   |                             |
| 12,00                | 12,00    | 12 | 83 | 11,00 | 38 | 0,50 | 4 | FDA.120.05                  |
| 12,00                | 12,00    | 12 | 83 | 11,00 | 38 | 1,00 | 4 | FDA.120.10                  |
| 12,00                | 12,00    | 12 | 83 | 11,00 | 38 | 1,50 | 4 | FDA.120.15                  |
| 12,00                | 12,00    | 12 | 83 | 11,00 | 38 | 2,00 | 4 | FDA.120.20                  |
| 16,00                | 16,00    | 16 | 92 | 15,00 | 44 | 0,50 | 4 | FDA.160.05                  |
| 16,00                | 16,00    | 16 | 92 | 15,00 | 44 | 1,00 | 4 | FDA.160.10                  |
| 16,00                | 16,00    | 16 | 92 | 15,00 | 44 | 2,00 | 4 | FDA.160.20                  |

# VHM-Torusfräser HSC extra lang

Solid carbide torus mill HSC extra long

Artikel-Nr. FDB...

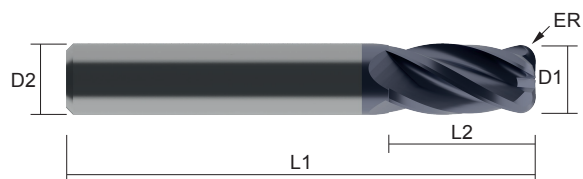


| D1<br>-0,040 | D2<br>h6 | L2 | L1  | D3    | L3 | ER   | Z | Artikel-Nr./<br>Article-No. |
|--------------|----------|----|-----|-------|----|------|---|-----------------------------|
| 6,00         | 6,00     | 7  | 80  | 5,50  | 44 | 0,10 | 4 | FDB.060.01                  |
| 6,00         | 6,00     | 7  | 80  | 5,50  | 44 | 0,20 | 4 | FDB.060.02                  |
| 6,00         | 6,00     | 7  | 80  | 5,50  | 44 | 0,30 | 4 | FDB.060.03                  |
| 6,00         | 6,00     | 7  | 80  | 5,50  | 44 | 0,40 | 4 | FDB.060.04                  |
| 6,00         | 6,00     | 7  | 80  | 5,50  | 44 | 0,50 | 4 | FDB.060.05                  |
| 6,00         | 6,00     | 7  | 80  | 5,50  | 44 | 0,60 | 4 | FDB.060.06                  |
| 6,00         | 6,00     | 7  | 80  | 5,50  | 44 | 1,00 | 4 | FDB.060.10                  |
| 6,00         | 6,00     | 7  | 80  | 5,50  | 44 | 1,50 | 4 | FDB.060.15                  |
| 6,00         | 6,00     | 7  | 80  | 5,50  | 44 | 2,00 | 4 | FDB.060.20                  |
| 8,00         | 8,00     | 9  | 100 | 7,40  | 54 | 0,50 | 4 | FDB.080.05                  |
| 8,00         | 8,00     | 9  | 100 | 7,40  | 54 | 1,00 | 4 | FDB.080.10                  |
| 8,00         | 8,00     | 9  | 100 | 7,40  | 54 | 1,50 | 4 | FDB.080.15                  |
| 8,00         | 8,00     | 9  | 100 | 7,40  | 54 | 2,00 | 4 | FDB.080.20                  |
| 10,00        | 10,00    | 11 | 100 | 9,20  | 60 | 1,00 | 4 | FDB.100.10                  |
| 10,00        | 10,00    | 11 | 100 | 9,20  | 60 | 1,50 | 4 | FDB.100.15                  |
| 10,00        | 10,00    | 11 | 100 | 9,20  | 60 | 2,00 | 4 | FDB.100.20                  |
| 12,00        | 12,00    | 12 | 120 | 11,00 | 75 | 0,50 | 4 | FDB.120.05                  |
| 12,00        | 12,00    | 12 | 120 | 11,00 | 75 | 1,00 | 4 | FDB.120.10                  |
| 12,00        | 12,00    | 12 | 120 | 11,00 | 75 | 1,50 | 4 | FDB.120.15                  |
| 12,00        | 12,00    | 12 | 120 | 11,00 | 75 | 2,00 | 4 | FDB.120.20                  |
| 16,00        | 16,00    | 16 | 150 | 15,00 | 92 | 2,00 | 4 | FDB.160.20                  |

# VHM-Torusfräser HSC 2xD kurz

Solid carbide torus mill HSC 2xD short

Artikel-Nr. FDC...

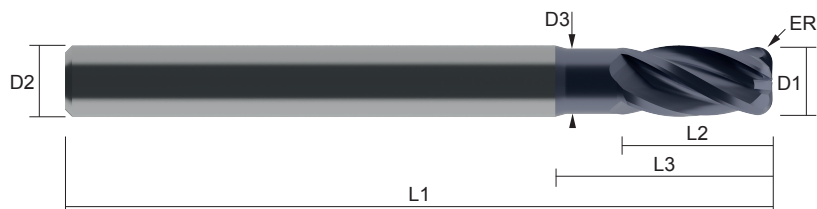


| D1<br>h9 | D2<br>h5 | L2 | L1  | ER   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|------|---|-----------------------------|
| 3,00     | 3,00     | 6  | 50  | 0,30 | 4 | FDC.030.03                  |
| 3,00     | 3,00     | 6  | 50  | 0,50 | 4 | FDC.030.05                  |
| 4,00     | 4,00     | 8  | 60  | 0,30 | 4 | FDC.040.03                  |
| 4,00     | 4,00     | 8  | 60  | 0,50 | 4 | FDC.040.05                  |
| 4,00     | 4,00     | 8  | 60  | 1,00 | 4 | FDC.040.10                  |
| 5,00     | 5,00     | 10 | 60  | 0,30 | 4 | FDC.050.03                  |
| 5,00     | 5,00     | 10 | 60  | 0,50 | 4 | FDC.050.05                  |
| 5,00     | 5,00     | 10 | 60  | 1,00 | 4 | FDC.050.10                  |
| 6,00     | 6,00     | 12 | 70  | 0,30 | 4 | FDC.060.03                  |
| 6,00     | 6,00     | 12 | 70  | 0,50 | 4 | FDC.060.05                  |
| 6,00     | 6,00     | 12 | 70  | 1,00 | 4 | FDC.060.10                  |
| 6,00     | 6,00     | 12 | 70  | 1,50 | 4 | FDC.060.15                  |
| 6,00     | 6,00     | 12 | 70  | 2,00 | 4 | FDC.060.20                  |
| 8,00     | 8,00     | 16 | 70  | 0,30 | 4 | FDC.080.03                  |
| 8,00     | 8,00     | 16 | 70  | 0,50 | 4 | FDC.080.05                  |
| 8,00     | 8,00     | 16 | 70  | 1,00 | 4 | FDC.080.10                  |
| 8,00     | 8,00     | 16 | 70  | 1,50 | 4 | FDC.080.15                  |
| 8,00     | 8,00     | 16 | 70  | 2,00 | 4 | FDC.080.20                  |
| 8,00     | 8,00     | 16 | 70  | 2,50 | 4 | FDC.080.25                  |
| 8,00     | 8,00     | 16 | 70  | 3,00 | 4 | FDC.080.30                  |
| 10,00    | 10,00    | 20 | 70  | 0,30 | 4 | FDC.100.03                  |
| 10,00    | 10,00    | 20 | 70  | 0,50 | 4 | FDC.100.05                  |
| 10,00    | 10,00    | 20 | 70  | 1,00 | 4 | FDC.100.10                  |
| 10,00    | 10,00    | 20 | 70  | 2,00 | 4 | FDC.100.20                  |
| 10,00    | 10,00    | 20 | 70  | 2,50 | 4 | FDC.100.25                  |
| 10,00    | 10,00    | 20 | 70  | 3,00 | 4 | FDC.100.30                  |
| 12,00    | 12,00    | 24 | 80  | 0,30 | 4 | FDC.120.03                  |
| 12,00    | 12,00    | 24 | 80  | 0,50 | 4 | FDC.120.05                  |
| 12,00    | 12,00    | 24 | 80  | 1,00 | 4 | FDC.120.10                  |
| 12,00    | 12,00    | 24 | 80  | 2,00 | 4 | FDC.120.20                  |
| 12,00    | 12,00    | 24 | 80  | 3,00 | 4 | FDC.120.30                  |
| 16,00    | 16,00    | 32 | 90  | 1,00 | 4 | FDC.160.10                  |
| 16,00    | 16,00    | 32 | 90  | 2,00 | 4 | FDC.160.20                  |
| 16,00    | 16,00    | 32 | 90  | 3,00 | 4 | FDC.160.30                  |
| 20,00    | 20,00    | 40 | 120 | 1,00 | 4 | FDC.200.10                  |
| 20,00    | 20,00    | 40 | 120 | 3,00 | 4 | FDC.200.30                  |

# VHM-Torusfräser HSC 2xD lang

Solid carbide torus mill HSC 2xD long

Artikel-Nr. FDD...

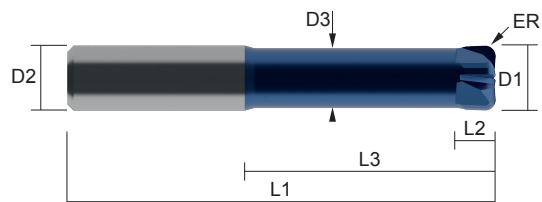


| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | ER   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|
| 3,00     | 3,00     | 6  | 70  | 2,80  | 11 | 0,30 | 4 | FDD.031.03                  |
| 3,00     | 3,00     | 6  | 70  | 2,80  | 11 | 0,50 | 4 | FDD.031.05                  |
| 4,00     | 4,00     | 8  | 80  | 3,70  | 14 | 0,30 | 4 | FDD.041.03                  |
| 4,00     | 4,00     | 8  | 80  | 3,70  | 14 | 0,50 | 4 | FDD.041.05                  |
| 4,00     | 4,00     | 8  | 80  | 3,70  | 14 | 1,00 | 4 | FDD.041.10                  |
| 5,00     | 5,00     | 10 | 100 | 4,70  | 15 | 0,30 | 4 | FDD.051.03                  |
| 5,00     | 5,00     | 10 | 100 | 4,70  | 15 | 0,50 | 4 | FDD.051.05                  |
| 5,00     | 5,00     | 10 | 100 | 4,70  | 15 | 1,50 | 4 | FDD.051.15                  |
| 6,00     | 6,00     | 12 | 100 | 5,60  | 18 | 0,30 | 4 | FDD.061.03                  |
| 6,00     | 6,00     | 12 | 100 | 5,60  | 18 | 0,50 | 4 | FDD.061.05                  |
| 6,00     | 6,00     | 12 | 100 | 5,60  | 18 | 1,00 | 4 | FDD.061.10                  |
| 6,00     | 6,00     | 12 | 100 | 5,60  | 18 | 1,50 | 4 | FDD.061.15                  |
| 6,00     | 6,00     | 12 | 100 | 5,60  | 18 | 2,00 | 4 | FDD.061.20                  |
| 6,00     | 6,00     | 12 | 100 | 5,60  | 18 | 2,50 | 4 | FDD.061.25                  |
| 8,00     | 8,00     | 16 | 100 | 7,50  | 26 | 0,30 | 4 | FDD.081.03                  |
| 8,00     | 8,00     | 16 | 100 | 7,50  | 26 | 0,50 | 4 | FDD.081.05                  |
| 8,00     | 8,00     | 16 | 100 | 7,50  | 26 | 1,00 | 4 | FDD.081.10                  |
| 8,00     | 8,00     | 16 | 100 | 7,50  | 26 | 2,00 | 4 | FDD.081.20                  |
| 8,00     | 8,00     | 16 | 100 | 7,50  | 26 | 3,00 | 4 | FDD.081.30                  |
| 10,00    | 10,00    | 20 | 120 | 9,50  | 30 | 0,30 | 4 | FDD.101.03                  |
| 10,00    | 10,00    | 20 | 120 | 9,50  | 30 | 0,50 | 4 | FDD.101.05                  |
| 10,00    | 10,00    | 20 | 120 | 9,50  | 30 | 1,00 | 4 | FDD.101.10                  |
| 10,00    | 10,00    | 20 | 120 | 9,50  | 30 | 2,00 | 4 | FDD.101.20                  |
| 10,00    | 10,00    | 20 | 120 | 9,50  | 30 | 2,50 | 4 | FDD.101.25                  |
| 12,00    | 12,00    | 24 | 120 | 11,00 | 35 | 0,50 | 4 | FDD.121.05                  |
| 12,00    | 12,00    | 24 | 120 | 11,00 | 35 | 1,00 | 4 | FDD.121.10                  |
| 12,00    | 12,00    | 24 | 120 | 11,00 | 35 | 2,00 | 4 | FDD.121.20                  |
| 12,00    | 12,00    | 24 | 120 | 11,00 | 35 | 2,50 | 4 | FDD.121.25                  |
| 12,00    | 12,00    | 24 | 120 | 11,00 | 35 | 3,00 | 4 | FDD.121.30                  |
| 16,00    | 16,00    | 32 | 120 | 15,00 | 45 | 1,00 | 4 | FDD.161.10                  |
| 16,00    | 16,00    | 32 | 120 | 15,00 | 45 | 2,00 | 4 | FDD.161.20                  |
| 16,00    | 16,00    | 32 | 120 | 15,00 | 45 | 3,00 | 4 | FDD.161.30                  |

# VHM-Torusfräser

Solid carbide torus mill

Artikel-Nr. CCH...



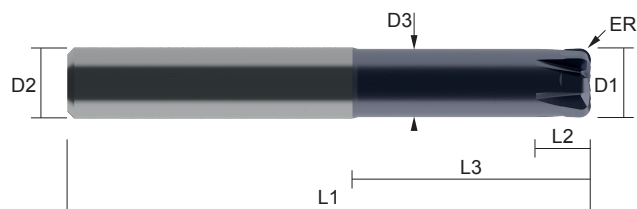
| D1<br>h9 | D2<br>h6 | L2   | L1  | D3    | L3 | ER   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|------|-----|-------|----|------|---|-----------------------------|
| 2,00     | 6,00     | 1,50 | 50  | 1,90  | 6  | 0,50 | 4 | CCH.020.05                  |
| 3,00     | 6,00     | 2,00 | 50  | 2,80  | 8  | 0,50 | 4 | CCH.030.05                  |
| 4,00     | 6,00     | 2,00 | 50  | 3,80  | 20 | 0,50 | 4 | CCH.040.05                  |
| 5,00     | 6,00     | 2,00 | 60  | 4,80  | 10 | 0,50 | 4 | CCH.050.05                  |
| 6,00     | 6,00     | 2,50 | 75  | 5,40  | 25 | 0,50 | 4 | CCH.060.05                  |
| 6,00     | 6,00     | 2,50 | 60  | 5,40  | 30 | 1,00 | 4 | CCH.060.10                  |
| 8,00     | 8,00     | 3,50 | 75  | 7,60  | 40 | 1,00 | 4 | CCH.080.10                  |
| 10,00    | 10,00    | 4,00 | 70  | 9,00  | 45 | 1,00 | 4 | CCH.100.10                  |
| 10,00    | 10,00    | 4,00 | 70  | 9,00  | 45 | 2,00 | 4 | CCH.100.20                  |
| 12,00    | 12,00    | 5,00 | 100 | 11,00 | 62 | 1,00 | 4 | CCH.120.10                  |
| 12,00    | 12,00    | 5,00 | 80  | 11,00 | 45 | 2,00 | 4 | CCH.120.20                  |
| 12,00    | 12,00    | 5,00 | 100 | 11,00 | 62 | 2,00 | 4 | CCH.121.20                  |
| 16,00    | 16,00    | 7,00 | 120 | 15,00 | 70 | 1,00 | 4 | CCH.160.10                  |
| 16,00    | 16,00    | 7,00 | 120 | 15,00 | 70 | 2,00 | 4 | CCH.160.20                  |
| 20,00    | 20,00    | 8,00 | 130 | 19,00 | 75 | 2,00 | 4 | CCH.200.20                  |
| 20,00    | 20,00    | 8,00 | 130 | 19,00 | 75 | 3,00 | 4 | CCH.200.30                  |

## VHM-Torusfräser

Solid carbide torus mill

1<sup>ST</sup>  
CHOICE

Artikel-Nr. CCI...



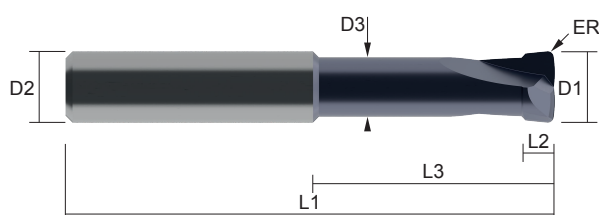
| D1<br>h9 | D2<br>h6 | L2   | L1 | D3    | L3 | ER   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|------|----|-------|----|------|---|-----------------------------|
| 4,00     | 6,00     | 2,50 | 60 | 3,80  | 15 | 0,50 | 6 | CCI.040.05                  |
| 4,00     | 6,00     | 2,50 | 60 | 3,80  | 15 | 1,00 | 6 | CCI.040.10                  |
| 6,00     | 6,00     | 3,00 | 60 | 5,60  | 20 | 0,50 | 6 | CCI.060.05                  |
| 6,00     | 6,00     | 3,00 | 60 | 5,60  | 20 | 1,00 | 6 | CCI.060.10                  |
| 8,00     | 8,00     | 3,50 | 70 | 7,60  | 30 | 0,50 | 6 | CCI.080.05                  |
| 8,00     | 8,00     | 3,50 | 70 | 7,60  | 30 | 1,00 | 6 | CCI.080.10                  |
| 10,00    | 10,00    | 4,00 | 75 | 9,50  | 35 | 1,00 | 6 | CCI.100.10                  |
| 10,00    | 10,00    | 4,00 | 75 | 9,50  | 35 | 2,00 | 6 | CCI.100.20                  |
| 12,00    | 12,00    | 4,00 | 90 | 11,50 | 40 | 1,00 | 6 | CCI.120.10                  |
| 12,00    | 12,00    | 4,00 | 90 | 11,50 | 40 | 1,50 | 6 | CCI.120.15                  |
| 12,00    | 12,00    | 4,00 | 90 | 11,50 | 40 | 2,00 | 6 | CCI.120.20                  |

## VHM-Stirntorusfräser kurz

Solid carbide torus face mill short

1<sup>ST</sup>  
CHOICE

Artikel-Nr. CCB...



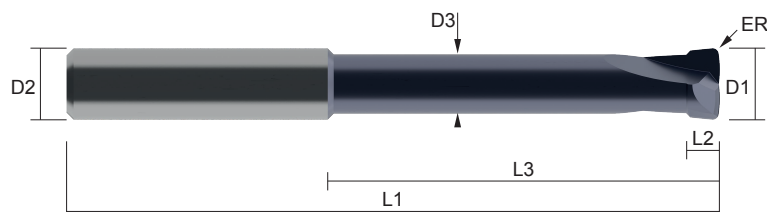
| D1<br>h9 | D2<br>h6 | L2   | L1  | D3    | L3 | ERth | ER   | R     | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|------|-----|-------|----|------|------|-------|---|-----------------------------|
| 4,00     | 6,00     | 1,50 | 57  | 3,40  | 20 | 0,40 | 0,32 | 6,00  | 2 | CCB.040.00                  |
| 5,00     | 6,00     | 2,00 | 57  | 4,20  | 20 | 0,50 | 0,40 | 7,50  | 2 | CCB.050.00                  |
| 6,00     | 6,00     | 2,50 | 57  | 5,00  | 25 | 0,60 | 0,50 | 9,00  | 2 | CCB.060.00                  |
| 8,00     | 8,00     | 3,00 | 63  | 6,70  | 25 | 0,80 | 0,65 | 12,00 | 2 | CCB.080.00                  |
| 10,00    | 10,00    | 4,00 | 72  | 8,70  | 35 | 1,00 | 0,80 | 15,00 | 2 | CCB.100.00                  |
| 12,00    | 12,00    | 5,00 | 83  | 10,00 | 40 | 1,20 | 1,00 | 18,00 | 2 | CCB.120.00                  |
| 16,00    | 16,00    | 6,00 | 92  | 13,50 | 45 | 1,60 | 1,30 | 24,00 | 2 | CCB.160.00                  |
| 20,00    | 20,00    | 8,00 | 104 | 17,00 | 55 | 2,00 | 1,65 | 30,00 | 2 | CCB.200.00                  |

## VHM-Stirntorusfräser kurz

Solid carbide torus face mill short

1<sup>ST</sup>  
CHOICE

Artikel-Nr. CCC...



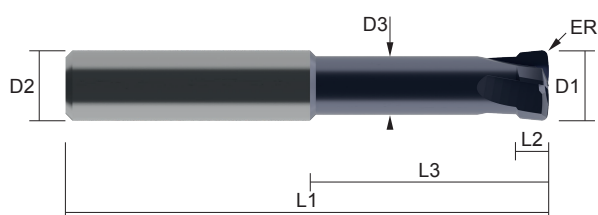
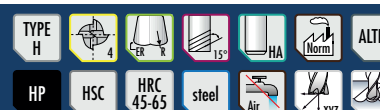
| D1<br>h9 | D2<br>h6 | L2   | L1  | D3    | L3 | ERth | ER   | R     | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|------|-----|-------|----|------|------|-------|---|-----------------------------|
| 4,00     | 6,00     | 1,50 | 80  | 3,40  | 40 | 0,40 | 0,32 | 6,00  | 2 | CCC.040.00                  |
| 5,00     | 6,00     | 2,00 | 80  | 4,20  | 40 | 0,50 | 0,40 | 7,50  | 2 | CCC.050.00                  |
| 6,00     | 6,00     | 2,50 | 80  | 5,00  | 45 | 0,60 | 0,50 | 9,00  | 2 | CCC.060.00                  |
| 8,00     | 8,00     | 3,00 | 90  | 6,70  | 55 | 0,80 | 0,65 | 12,00 | 2 | CCC.080.00                  |
| 10,00    | 10,00    | 4,00 | 100 | 8,70  | 60 | 1,00 | 0,80 | 15,00 | 2 | CCC.100.00                  |
| 12,00    | 12,00    | 5,00 | 110 | 10,00 | 65 | 1,20 | 1,00 | 18,00 | 2 | CCC.120.00                  |
| 16,00    | 16,00    | 6,00 | 130 | 13,50 | 80 | 1,60 | 1,30 | 24,00 | 2 | CCC.160.00                  |
| 20,00    | 20,00    | 8,00 | 150 | 17,00 | 95 | 2,00 | 1,65 | 30,00 | 2 | CCC.200.00                  |

## VHM-Stirntorusfräser kurz

Solid carbide torus face mill short

1<sup>ST</sup>  
CHOICE

Artikel-Nr. CCF...



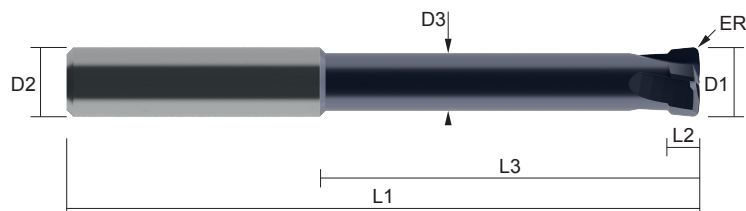
| D1<br>h9 | D2<br>h6 | L2   | L1  | D3    | L3 | ERth | ER   | R     | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|------|-----|-------|----|------|------|-------|---|-----------------------------|
| 4,00     | 6,00     | 1,50 | 57  | 3,40  | 20 | 0,40 | 0,32 | 6,00  | 4 | CCF.040.00                  |
| 5,00     | 6,00     | 2,00 | 57  | 4,20  | 20 | 0,50 | 0,40 | 7,50  | 4 | CCF.050.00                  |
| 6,00     | 6,00     | 2,50 | 57  | 5,00  | 25 | 0,60 | 0,50 | 9,00  | 4 | CCF.060.00                  |
| 8,00     | 8,00     | 3,00 | 63  | 6,70  | 25 | 0,80 | 0,65 | 12,00 | 4 | CCF.080.00                  |
| 10,00    | 10,00    | 4,00 | 72  | 8,70  | 35 | 1,00 | 0,80 | 15,00 | 4 | CCF.100.00                  |
| 12,00    | 12,00    | 5,00 | 83  | 10,00 | 40 | 1,20 | 1,00 | 18,00 | 4 | CCF.120.00                  |
| 16,00    | 16,00    | 6,00 | 92  | 13,50 | 45 | 1,60 | 1,30 | 24,00 | 4 | CCF.160.00                  |
| 20,00    | 20,00    | 8,00 | 104 | 17,00 | 55 | 2,00 | 1,65 | 30,00 | 4 | CCF.200.00                  |

## VHM-Stirntorusfräser lang

Solid carbide torus face mill long

1<sup>ST</sup>  
CHOICE

Artikel-Nr. CCG...

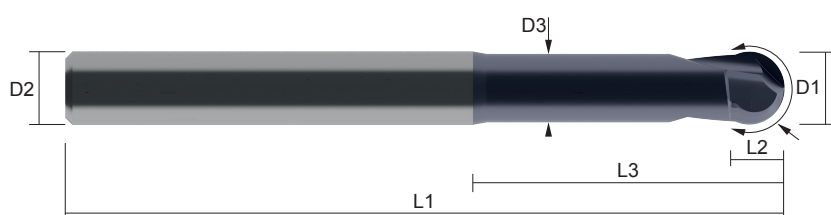


| D1<br>h9 | D2<br>h6 | L2   | L1  | D3    | L3 | ERth | ER   | R     | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|------|-----|-------|----|------|------|-------|---|-----------------------------|
| 4,00     | 6,00     | 1,50 | 80  | 3,40  | 40 | 0,40 | 0,32 | 6,00  | 4 | CCG.040.00                  |
| 5,00     | 6,00     | 2,00 | 80  | 4,20  | 40 | 0,50 | 0,40 | 7,50  | 4 | CCG.050.00                  |
| 6,00     | 6,00     | 2,50 | 80  | 5,00  | 45 | 0,60 | 0,50 | 9,00  | 4 | CCG.060.00                  |
| 8,00     | 8,00     | 3,00 | 90  | 6,70  | 55 | 0,80 | 0,65 | 12,00 | 4 | CCG.080.00                  |
| 10,00    | 10,00    | 4,00 | 100 | 8,70  | 60 | 1,00 | 0,80 | 15,00 | 4 | CCG.100.00                  |
| 12,00    | 12,00    | 5,00 | 110 | 10,00 | 65 | 1,20 | 1,00 | 18,00 | 4 | CCG.120.00                  |
| 16,00    | 16,00    | 6,00 | 130 | 13,50 | 80 | 1,60 | 1,30 | 24,00 | 4 | CCG.160.00                  |
| 20,00    | 20,00    | 8,00 | 150 | 17,00 | 95 | 2,00 | 1,65 | 30,00 | 4 | CCG.200.00                  |

## VHM-Kugelpkopfräser

Solid carbide lollipop mill

Artikel-Nr. FGA...



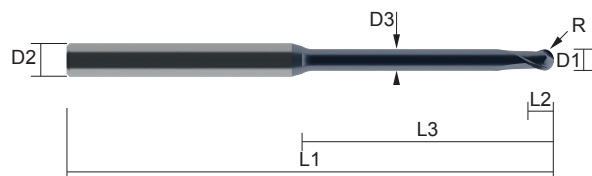
| D1<br>+0,00<br>-0,02 | D2<br>h6 | L2   | L1  | D3    | L3 | Z | Artikel-Nr./<br>Article-No. |
|----------------------|----------|------|-----|-------|----|---|-----------------------------|
| 1,00                 | 6,00     | 0,7  | 80  | 0,90  | 5  | 2 | FGA.010.00                  |
| 2,00                 | 6,00     | 1,4  | 80  | 1,80  | 10 | 2 | FGA.020.00                  |
| 3,00                 | 6,00     | 2,0  | 80  | 2,80  | 15 | 2 | FGA.030.00                  |
| 4,00                 | 6,00     | 2,6  | 80  | 3,80  | 20 | 2 | FGA.040.00                  |
| 5,00                 | 6,00     | 3,4  | 90  | 4,70  | 25 | 2 | FGA.050.00                  |
| 6,00                 | 6,00     | 3,9  | 100 | 5,70  | 30 | 2 | FGA.060.00                  |
| 6,00                 | 6,00     | 3,9  | 70  | 5,70  | 30 | 2 | FGA.060.44                  |
| 8,00                 | 8,00     | 5,4  | 100 | 7,50  | 40 | 2 | FGA.080.00                  |
| 10,00                | 10,00    | 6,7  | 120 | 9,40  | 50 | 2 | FGA.100.00                  |
| 12,00                | 12,00    | 8,2  | 120 | 11,20 | 50 | 2 | FGA.120.00                  |
| 16,00                | 16,00    | 10,8 | 150 | 15,00 | 60 | 2 | FGA.160.00                  |

# VHM-Mini-Vollradiusfräser HSC

Solid carbide mini ball nose mill HSC

**1<sup>ST</sup>**  
**CHOICE**

Artikel-Nr. EBE...



| D1<br>+0,000<br>-0,015 | D2<br>h6 | L2   | L1 | D3   | L3   | R    | Z | Artikel-Nr./<br>Article-No. |
|------------------------|----------|------|----|------|------|------|---|-----------------------------|
| 0,20                   | 4,00     | 0,20 | 40 | 0,18 | 0,50 | 0,10 | 2 | EBE.020.01                  |
| 0,20                   | 4,00     | 0,20 | 40 | 0,18 | 1,00 | 0,10 | 2 | EBE.020.02                  |
| 0,20                   | 4,00     | 0,20 | 40 | 0,18 | 1,50 | 0,10 | 2 | EBE.020.03                  |
| 0,20                   | 4,00     | 0,20 | 40 | 0,18 | 2,00 | 0,10 | 2 | EBE.020.04                  |
| 0,20                   | 4,00     | 0,20 | 40 | 0,18 | 2,50 | 0,10 | 2 | EBE.020.05                  |
| 0,20                   | 4,00     | 0,20 | 40 | 0,18 | 3,00 | 0,10 | 2 | EBE.020.06                  |
| 0,30                   | 4,00     | 0,30 | 40 | 0,28 | 1,00 | 0,15 | 2 | EBE.030.01                  |
| 0,30                   | 4,00     | 0,30 | 40 | 0,28 | 1,50 | 0,15 | 2 | EBE.030.02                  |
| 0,30                   | 4,00     | 0,30 | 40 | 0,28 | 2,00 | 0,15 | 2 | EBE.030.03                  |
| 0,30                   | 4,00     | 0,30 | 40 | 0,28 | 2,50 | 0,15 | 2 | EBE.030.04                  |
| 0,30                   | 4,00     | 0,30 | 40 | 0,28 | 3,00 | 0,15 | 2 | EBE.030.05                  |
| 0,30                   | 4,00     | 0,30 | 40 | 0,28 | 3,50 | 0,15 | 2 | EBE.030.06                  |
| 0,30                   | 4,00     | 0,30 | 40 | 0,28 | 4,00 | 0,15 | 2 | EBE.030.07                  |
| 0,30                   | 4,00     | 0,30 | 40 | 0,28 | 5,00 | 0,15 | 2 | EBE.030.08                  |
| 0,40                   | 4,00     | 0,40 | 40 | 0,38 | 1,00 | 0,20 | 2 | EBE.040.01                  |
| 0,40                   | 4,00     | 0,40 | 40 | 0,38 | 1,50 | 0,20 | 2 | EBE.040.02                  |
| 0,40                   | 4,00     | 0,40 | 40 | 0,38 | 2,00 | 0,20 | 2 | EBE.040.03                  |
| 0,40                   | 4,00     | 0,40 | 40 | 0,38 | 2,50 | 0,20 | 2 | EBE.040.04                  |
| 0,40                   | 4,00     | 0,40 | 40 | 0,38 | 3,00 | 0,20 | 2 | EBE.040.05                  |
| 0,40                   | 4,00     | 0,40 | 40 | 0,38 | 3,50 | 0,20 | 2 | EBE.040.06                  |
| 0,40                   | 4,00     | 0,40 | 40 | 0,38 | 4,00 | 0,20 | 2 | EBE.040.07                  |
| 0,40                   | 4,00     | 0,40 | 40 | 0,38 | 4,50 | 0,20 | 2 | EBE.040.08                  |
| 0,40                   | 4,00     | 0,40 | 40 | 0,38 | 5,00 | 0,20 | 2 | EBE.040.09                  |
| 0,40                   | 4,00     | 0,40 | 40 | 0,38 | 6,00 | 0,20 | 2 | EBE.040.10                  |
| 0,40                   | 4,00     | 0,40 | 40 | 0,38 | 8,00 | 0,20 | 2 | EBE.040.11                  |
| 0,50                   | 6,00     | 0,50 | 50 | 0,48 | 1,00 | 0,25 | 2 | EBE.050.01                  |
| 0,50                   | 4,00     | 0,50 | 45 | 0,48 | 1,50 | 0,25 | 2 | EBE.050.02                  |
| 0,50                   | 4,00     | 0,50 | 45 | 0,48 | 2,00 | 0,25 | 2 | EBE.050.03                  |
| 0,50                   | 6,00     | 0,50 | 50 | 0,48 | 2,00 | 0,25 | 2 | EBE.050.04                  |
| 0,50                   | 4,00     | 0,50 | 45 | 0,48 | 2,50 | 0,25 | 2 | EBE.050.05                  |
| 0,50                   | 4,00     | 0,50 | 45 | 0,48 | 3,00 | 0,25 | 2 | EBE.050.06                  |
| 0,50                   | 6,00     | 0,50 | 50 | 0,48 | 3,00 | 0,25 | 2 | EBE.050.07                  |
| 0,50                   | 4,00     | 0,50 | 45 | 0,48 | 3,50 | 0,25 | 2 | EBE.050.08                  |
| 0,50                   | 4,00     | 0,50 | 45 | 0,48 | 4,00 | 0,25 | 2 | EBE.050.09                  |
| 0,50                   | 6,00     | 0,50 | 50 | 0,48 | 4,00 | 0,25 | 2 | EBE.050.10                  |
| 0,50                   | 4,00     | 0,50 | 45 | 0,48 | 4,50 | 0,25 | 2 | EBE.050.11                  |
| 0,50                   | 4,00     | 0,50 | 45 | 0,48 | 5,00 | 0,25 | 2 | EBE.050.12                  |
| 0,50                   | 6,00     | 0,50 | 50 | 0,48 | 5,00 | 0,25 | 2 | EBE.050.13                  |
| 0,50                   | 4,00     | 0,50 | 45 | 0,48 | 6,00 | 0,25 | 2 | EBE.050.14                  |
| 0,50                   | 6,00     | 0,50 | 50 | 0,48 | 6,00 | 0,25 | 2 | EBE.050.15                  |

# VHM-Mini-Vollradiusfräser HSC

Solid carbide mini ball nose mill HSC



Artikel-Nr. EBE...

| D1<br>+0,000<br>-0,015 | D2<br>h6 | L2   | L1 | D3   | L3    | R    | Z | Artikel-Nr./<br>Article-No. |
|------------------------|----------|------|----|------|-------|------|---|-----------------------------|
| 0,50                   | 4,00     | 0,50 | 45 | 0,48 | 8,00  | 0,25 | 2 | EBE.050.16                  |
| 0,50                   | 4,00     | 0,50 | 45 | 0,48 | 10,00 | 0,25 | 2 | EBE.050.17                  |
| 0,50                   | 4,00     | 0,50 | 45 | 0,48 | 12,00 | 0,25 | 2 | EBE.050.18                  |
| 0,60                   | 4,00     | 0,60 | 45 | 0,58 | 1,00  | 0,30 | 2 | EBE.060.01                  |
| 0,60                   | 6,00     | 0,60 | 50 | 0,58 | 1,00  | 0,30 | 2 | EBE.060.02                  |
| 0,60                   | 4,00     | 0,60 | 45 | 0,58 | 2,00  | 0,30 | 2 | EBE.060.03                  |
| 0,60                   | 6,00     | 0,60 | 50 | 0,58 | 2,00  | 0,30 | 2 | EBE.060.04                  |
| 0,60                   | 4,00     | 0,60 | 45 | 0,58 | 3,00  | 0,30 | 2 | EBE.060.05                  |
| 0,60                   | 6,00     | 0,60 | 50 | 0,58 | 3,00  | 0,30 | 2 | EBE.060.06                  |
| 0,60                   | 4,00     | 0,60 | 45 | 0,58 | 4,00  | 0,30 | 2 | EBE.060.07                  |
| 0,60                   | 6,00     | 0,60 | 50 | 0,58 | 4,00  | 0,30 | 2 | EBE.060.08                  |
| 0,60                   | 4,00     | 0,60 | 45 | 0,58 | 5,00  | 0,30 | 2 | EBE.060.09                  |
| 0,60                   | 6,00     | 0,60 | 50 | 0,58 | 5,00  | 0,30 | 2 | EBE.060.10                  |
| 0,60                   | 4,00     | 0,60 | 45 | 0,58 | 6,00  | 0,30 | 2 | EBE.060.11                  |
| 0,60                   | 6,00     | 0,60 | 50 | 0,58 | 6,00  | 0,30 | 2 | EBE.060.12                  |
| 0,60                   | 4,00     | 0,60 | 45 | 0,58 | 8,00  | 0,30 | 2 | EBE.060.13                  |
| 0,60                   | 6,00     | 0,60 | 50 | 0,58 | 8,00  | 0,30 | 2 | EBE.060.14                  |
| 0,60                   | 4,00     | 0,60 | 45 | 0,58 | 10,00 | 0,30 | 2 | EBE.060.15                  |
| 0,60                   | 4,00     | 0,60 | 45 | 0,58 | 12,00 | 0,30 | 2 | EBE.060.16                  |
| 0,60                   | 4,00     | 0,60 | 45 | 0,58 | 14,00 | 0,30 | 2 | EBE.060.17                  |
| 0,70                   | 4,00     | 0,70 | 45 | 0,68 | 2,00  | 0,35 | 2 | EBE.070.01                  |
| 0,70                   | 4,00     | 0,70 | 45 | 0,68 | 4,00  | 0,35 | 2 | EBE.070.02                  |
| 0,70                   | 4,00     | 0,70 | 45 | 0,68 | 6,00  | 0,35 | 2 | EBE.070.03                  |
| 0,70                   | 4,00     | 0,70 | 45 | 0,68 | 8,00  | 0,35 | 2 | EBE.070.04                  |
| 0,70                   | 4,00     | 0,70 | 45 | 0,68 | 10,00 | 0,35 | 2 | EBE.070.05                  |
| 0,70                   | 4,00     | 0,70 | 45 | 0,68 | 12,00 | 0,35 | 2 | EBE.070.06                  |
| 0,80                   | 4,00     | 0,80 | 45 | 0,77 | 2,00  | 0,40 | 2 | EBE.080.01                  |
| 0,80                   | 6,00     | 0,80 | 50 | 0,77 | 2,00  | 0,40 | 2 | EBE.080.02                  |
| 0,80                   | 4,00     | 0,80 | 45 | 0,77 | 3,00  | 0,40 | 2 | EBE.080.03                  |
| 0,80                   | 6,00     | 0,80 | 50 | 0,77 | 3,00  | 0,40 | 2 | EBE.080.04                  |
| 0,80                   | 4,00     | 0,80 | 45 | 0,77 | 4,00  | 0,40 | 2 | EBE.080.05                  |
| 0,80                   | 6,00     | 0,80 | 50 | 0,77 | 4,00  | 0,40 | 2 | EBE.080.06                  |
| 0,80                   | 4,00     | 0,80 | 45 | 0,77 | 5,00  | 0,40 | 2 | EBE.080.07                  |
| 0,80                   | 6,00     | 0,80 | 50 | 0,77 | 5,00  | 0,40 | 2 | EBE.080.08                  |
| 0,80                   | 4,00     | 0,80 | 45 | 0,77 | 6,00  | 0,40 | 2 | EBE.080.09                  |
| 0,80                   | 6,00     | 0,80 | 50 | 0,77 | 6,00  | 0,40 | 2 | EBE.080.10                  |
| 0,80                   | 4,00     | 0,80 | 45 | 0,77 | 8,00  | 0,40 | 2 | EBE.080.11                  |
| 0,80                   | 6,00     | 0,80 | 50 | 0,77 | 8,00  | 0,40 | 2 | EBE.080.12                  |
| 0,80                   | 4,00     | 0,80 | 45 | 0,77 | 10,00 | 0,40 | 2 | EBE.080.13                  |
| 0,80                   | 4,00     | 0,80 | 45 | 0,77 | 12,00 | 0,40 | 2 | EBE.080.14                  |
| 0,90                   | 4,00     | 0,90 | 45 | 0,87 | 4,00  | 0,45 | 2 | EBE.090.01                  |
| 0,90                   | 4,00     | 0,90 | 45 | 0,87 | 6,00  | 0,45 | 2 | EBE.090.02                  |
| 0,90                   | 4,00     | 0,90 | 45 | 0,87 | 8,00  | 0,45 | 2 | EBE.090.03                  |
| 0,90                   | 4,00     | 0,90 | 50 | 0,87 | 10,00 | 0,45 | 2 | EBE.090.04                  |
| 0,90                   | 4,00     | 0,90 | 50 | 0,87 | 12,00 | 0,45 | 2 | EBE.090.05                  |
| 1,00                   | 4,00     | 1,00 | 45 | 0,95 | 2,00  | 0,50 | 2 | EBE.100.01                  |

# VHM-Mini-Vollradiusfräser HSC

Solid carbide mini ball nose mill HSC



Artikel-Nr. EBE...

| D1<br>+0,000<br>-0,015 | D2<br>h6 | L2   | L1 | D3   | L3    | R    | Z | Artikel-Nr./<br>Article-No. |
|------------------------|----------|------|----|------|-------|------|---|-----------------------------|
| 1,00                   | 6,00     | 1,00 | 50 | 0,95 | 2,00  | 0,50 | 2 | EBE.100.02                  |
| 1,00                   | 4,00     | 1,00 | 45 | 0,95 | 3,00  | 0,50 | 2 | EBE.100.03                  |
| 1,00                   | 6,00     | 1,00 | 50 | 0,95 | 3,00  | 0,50 | 2 | EBE.100.04                  |
| 1,00                   | 4,00     | 1,00 | 45 | 0,95 | 4,00  | 0,50 | 2 | EBE.100.05                  |
| 1,00                   | 6,00     | 1,00 | 50 | 0,95 | 4,00  | 0,50 | 2 | EBE.100.06                  |
| 1,00                   | 4,00     | 1,00 | 45 | 0,95 | 5,00  | 0,50 | 2 | EBE.100.07                  |
| 1,00                   | 6,00     | 1,00 | 50 | 0,95 | 5,00  | 0,50 | 2 | EBE.100.08                  |
| 1,00                   | 4,00     | 1,00 | 45 | 0,95 | 6,00  | 0,50 | 2 | EBE.100.09                  |
| 1,00                   | 6,00     | 1,00 | 50 | 0,95 | 6,00  | 0,50 | 2 | EBE.100.10                  |
| 1,00                   | 4,00     | 1,00 | 45 | 0,95 | 8,00  | 0,50 | 2 | EBE.100.11                  |
| 1,00                   | 6,00     | 1,00 | 50 | 0,95 | 8,00  | 0,50 | 2 | EBE.100.12                  |
| 1,00                   | 4,00     | 1,00 | 50 | 0,95 | 10,00 | 0,50 | 2 | EBE.100.13                  |
| 1,00                   | 6,00     | 1,00 | 50 | 0,95 | 10,00 | 0,50 | 2 | EBE.100.14                  |
| 1,00                   | 4,00     | 1,00 | 50 | 0,95 | 12,00 | 0,50 | 2 | EBE.100.15                  |
| 1,00                   | 6,00     | 1,00 | 50 | 0,95 | 12,00 | 0,50 | 2 | EBE.100.16                  |
| 1,00                   | 4,00     | 1,00 | 50 | 0,95 | 14,00 | 0,50 | 2 | EBE.100.17                  |
| 1,00                   | 4,00     | 1,00 | 50 | 0,95 | 16,00 | 0,50 | 2 | EBE.100.18                  |
| 1,00                   | 4,00     | 1,00 | 50 | 0,95 | 18,00 | 0,50 | 2 | EBE.100.19                  |
| 1,00                   | 4,00     | 1,00 | 50 | 0,95 | 20,00 | 0,50 | 2 | EBE.100.20                  |
| 1,00                   | 4,00     | 1,00 | 60 | 0,95 | 22,00 | 0,50 | 2 | EBE.100.21                  |
| 1,00                   | 4,00     | 1,00 | 60 | 0,95 | 25,00 | 0,50 | 2 | EBE.100.22                  |
| 1,20                   | 4,00     | 1,20 | 45 | 1,15 | 4,00  | 0,60 | 2 | EBE.120.01                  |
| 1,20                   | 6,00     | 1,20 | 50 | 1,15 | 4,00  | 0,60 | 2 | EBE.120.02                  |
| 1,20                   | 4,00     | 1,20 | 45 | 1,15 | 6,00  | 0,60 | 2 | EBE.120.03                  |
| 1,20                   | 6,00     | 1,20 | 50 | 1,15 | 6,00  | 0,60 | 2 | EBE.120.04                  |
| 1,20                   | 4,00     | 1,20 | 45 | 1,15 | 8,00  | 0,60 | 2 | EBE.120.05                  |
| 1,20                   | 4,00     | 1,20 | 50 | 1,15 | 10,00 | 0,60 | 2 | EBE.120.06                  |
| 1,20                   | 6,00     | 1,20 | 50 | 1,15 | 10,00 | 0,60 | 2 | EBE.120.07                  |
| 1,20                   | 4,00     | 1,20 | 50 | 1,15 | 12,00 | 0,60 | 2 | EBE.120.08                  |
| 1,20                   | 6,00     | 1,20 | 50 | 1,15 | 12,00 | 0,60 | 2 | EBE.120.09                  |
| 1,20                   | 4,00     | 1,20 | 50 | 1,15 | 16,00 | 0,60 | 2 | EBE.120.10                  |
| 1,20                   | 4,00     | 1,20 | 50 | 1,15 | 20,00 | 0,60 | 2 | EBE.120.11                  |
| 1,20                   | 4,00     | 1,20 | 60 | 1,15 | 24,00 | 0,60 | 2 | EBE.120.12                  |
| 1,40                   | 4,00     | 1,40 | 45 | 1,35 | 6,00  | 0,70 | 2 | EBE.140.01                  |
| 1,40                   | 4,00     | 1,40 | 45 | 1,35 | 8,00  | 0,70 | 2 | EBE.140.02                  |
| 1,40                   | 4,00     | 1,40 | 50 | 1,35 | 12,00 | 0,70 | 2 | EBE.140.03                  |
| 1,40                   | 4,00     | 1,40 | 50 | 1,35 | 16,00 | 0,70 | 2 | EBE.140.04                  |
| 1,50                   | 4,00     | 1,50 | 45 | 1,44 | 3,00  | 0,75 | 2 | EBE.150.01                  |
| 1,50                   | 6,00     | 1,50 | 50 | 1,44 | 3,00  | 0,75 | 2 | EBE.150.02                  |
| 1,50                   | 4,00     | 1,50 | 45 | 1,44 | 4,00  | 0,75 | 2 | EBE.150.03                  |
| 1,50                   | 6,00     | 1,50 | 50 | 1,44 | 4,00  | 0,75 | 2 | EBE.150.04                  |
| 1,50                   | 4,00     | 1,50 | 45 | 1,44 | 6,00  | 0,75 | 2 | EBE.150.05                  |
| 1,50                   | 6,00     | 1,50 | 50 | 1,44 | 6,00  | 0,75 | 2 | EBE.150.06                  |
| 1,50                   | 4,00     | 1,50 | 45 | 1,44 | 8,00  | 0,75 | 2 | EBE.150.07                  |
| 1,50                   | 6,00     | 1,50 | 50 | 1,44 | 8,00  | 0,75 | 2 | EBE.150.08                  |
| 1,50                   | 4,00     | 1,50 | 50 | 1,44 | 10,00 | 0,75 | 2 | EBE.150.09                  |

# VHM-Mini-Vollradiusfräser HSC

Solid carbide mini ball nose mill HSC



Artikel-Nr. EBE...

| D1<br>+0,000<br>- 0,015 | D2<br>h6 | L2   | L1 | D3   | L3    | R    | Z | Artikel-Nr./<br>Article-No. |
|-------------------------|----------|------|----|------|-------|------|---|-----------------------------|
| 1,50                    | 6,00     | 1,50 | 50 | 1,44 | 10,00 | 0,75 | 2 | EBE.150.10                  |
| 1,50                    | 4,00     | 1,50 | 50 | 1,44 | 12,00 | 0,75 | 2 | EBE.150.11                  |
| 1,50                    | 6,00     | 1,50 | 50 | 1,44 | 12,00 | 0,75 | 2 | EBE.150.12                  |
| 1,50                    | 4,00     | 1,50 | 50 | 1,44 | 14,00 | 0,75 | 2 | EBE.150.13                  |
| 1,50                    | 6,00     | 1,50 | 50 | 1,44 | 14,00 | 0,75 | 2 | EBE.150.14                  |
| 1,50                    | 4,00     | 1,50 | 50 | 1,44 | 16,00 | 0,75 | 2 | EBE.150.15                  |
| 1,50                    | 6,00     | 1,50 | 60 | 1,44 | 16,00 | 0,75 | 2 | EBE.150.16                  |
| 1,50                    | 4,00     | 1,50 | 50 | 1,44 | 18,00 | 0,75 | 2 | EBE.150.17                  |
| 1,50                    | 4,00     | 1,50 | 50 | 1,44 | 20,00 | 0,75 | 2 | EBE.150.18                  |
| 1,50                    | 4,00     | 1,50 | 60 | 1,44 | 22,00 | 0,75 | 2 | EBE.150.19                  |
| 1,50                    | 4,00     | 1,50 | 60 | 1,44 | 25,00 | 0,75 | 2 | EBE.150.20                  |
| 1,50                    | 4,00     | 1,50 | 70 | 1,44 | 30,00 | 0,75 | 2 | EBE.150.21                  |
| 1,60                    | 4,00     | 1,60 | 45 | 1,54 | 6,00  | 0,80 | 2 | EBE.160.01                  |
| 1,60                    | 4,00     | 1,60 | 45 | 1,54 | 8,00  | 0,80 | 2 | EBE.160.02                  |
| 1,60                    | 4,00     | 1,60 | 50 | 1,54 | 12,00 | 0,80 | 2 | EBE.160.03                  |
| 1,60                    | 4,00     | 1,60 | 50 | 1,54 | 16,00 | 0,80 | 2 | EBE.160.04                  |
| 1,60                    | 4,00     | 1,60 | 50 | 1,54 | 20,00 | 0,80 | 2 | EBE.160.05                  |
| 1,80                    | 4,00     | 1,80 | 45 | 1,74 | 6,00  | 0,90 | 2 | EBE.180.01                  |
| 1,80                    | 4,00     | 1,80 | 45 | 1,74 | 8,00  | 0,90 | 2 | EBE.180.02                  |
| 1,80                    | 4,00     | 1,80 | 50 | 1,74 | 12,00 | 0,90 | 2 | EBE.180.03                  |
| 1,80                    | 4,00     | 1,80 | 50 | 1,74 | 16,00 | 0,90 | 2 | EBE.180.04                  |
| 1,80                    | 4,00     | 1,80 | 50 | 1,74 | 20,00 | 0,90 | 2 | EBE.180.05                  |
| 2,00                    | 4,00     | 2,00 | 45 | 1,92 | 4,00  | 1,00 | 2 | EBE.200.01                  |
| 2,00                    | 6,00     | 2,00 | 50 | 1,92 | 4,00  | 1,00 | 2 | EBE.200.02                  |
| 2,00                    | 4,00     | 2,00 | 45 | 1,92 | 6,00  | 1,00 | 2 | EBE.200.03                  |
| 2,00                    | 6,00     | 2,00 | 50 | 1,92 | 6,00  | 1,00 | 2 | EBE.200.04                  |
| 2,00                    | 4,00     | 2,00 | 45 | 1,92 | 8,00  | 1,00 | 2 | EBE.200.05                  |
| 2,00                    | 6,00     | 2,00 | 50 | 1,92 | 8,00  | 1,00 | 2 | EBE.200.06                  |
| 2,00                    | 4,00     | 2,00 | 50 | 1,92 | 10,00 | 1,00 | 2 | EBE.200.07                  |
| 2,00                    | 6,00     | 2,00 | 50 | 1,92 | 10,00 | 1,00 | 2 | EBE.200.08                  |
| 2,00                    | 4,00     | 2,00 | 50 | 1,92 | 12,00 | 1,00 | 2 | EBE.200.09                  |
| 2,00                    | 6,00     | 2,00 | 50 | 1,92 | 12,00 | 1,00 | 2 | EBE.200.10                  |
| 2,00                    | 4,00     | 2,00 | 50 | 1,92 | 14,00 | 1,00 | 2 | EBE.200.11                  |
| 2,00                    | 6,00     | 2,00 | 50 | 1,92 | 14,00 | 1,00 | 2 | EBE.200.12                  |
| 2,00                    | 4,00     | 2,00 | 50 | 1,92 | 16,00 | 1,00 | 2 | EBE.200.13                  |
| 2,00                    | 6,00     | 2,00 | 60 | 1,92 | 16,00 | 1,00 | 2 | EBE.200.14                  |
| 2,00                    | 4,00     | 2,00 | 50 | 1,92 | 18,00 | 1,00 | 2 | EBE.200.15                  |
| 2,00                    | 6,00     | 2,00 | 60 | 1,92 | 18,00 | 1,00 | 2 | EBE.200.16                  |
| 2,00                    | 4,00     | 2,00 | 50 | 1,92 | 20,00 | 1,00 | 2 | EBE.200.17                  |
| 2,00                    | 6,00     | 2,00 | 60 | 1,92 | 20,00 | 1,00 | 2 | EBE.200.18                  |
| 2,00                    | 4,00     | 2,00 | 60 | 1,92 | 22,00 | 1,00 | 2 | EBE.200.19                  |
| 2,00                    | 4,00     | 2,00 | 60 | 1,92 | 25,00 | 1,00 | 2 | EBE.200.20                  |
| 2,00                    | 4,00     | 2,00 | 60 | 1,92 | 30,00 | 1,00 | 2 | EBE.200.21                  |
| 2,50                    | 4,00     | 2,50 | 45 | 2,40 | 8,00  | 1,25 | 2 | EBE.250.01                  |
| 2,50                    | 6,00     | 2,50 | 50 | 2,40 | 8,00  | 1,25 | 2 | EBE.250.02                  |
| 2,50                    | 4,00     | 2,50 | 50 | 2,40 | 10,00 | 1,25 | 2 | EBE.250.03                  |

# VHM-Mini-Vollradiusfräser HSC

Solid carbide mini ball nose mill HSC



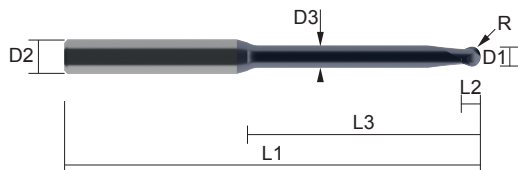
Artikel-Nr. EBE...

| D1<br>+0,000<br>-0,015 | D2<br>h6 | L2    | L1 | D3   | L3    | R    | Z | Artikel-Nr./<br>Article-No. |
|------------------------|----------|-------|----|------|-------|------|---|-----------------------------|
| 2,50                   | 6,00     | 2,50  | 50 | 2,40 | 10,00 | 1,25 | 2 | EBE.250.04                  |
| 2,50                   | 4,00     | 2,50  | 50 | 2,40 | 16,00 | 1,25 | 2 | EBE.250.05                  |
| 2,50                   | 6,00     | 2,50  | 60 | 2,40 | 16,00 | 1,25 | 2 | EBE.250.06                  |
| 2,50                   | 4,00     | 2,50  | 60 | 2,40 | 20,00 | 1,25 | 2 | EBE.250.07                  |
| 2,50                   | 6,00     | 2,50  | 60 | 2,40 | 20,00 | 1,25 | 2 | EBE.250.08                  |
| 2,50                   | 4,00     | 2,50  | 60 | 2,40 | 25,00 | 1,25 | 2 | EBE.250.09                  |
| 2,50                   | 4,00     | 2,50  | 70 | 2,40 | 30,00 | 1,25 | 2 | EBE.250.10                  |
| 3,00                   | 6,00     | 3,00  | 50 | 2,90 | 6,00  | 1,50 | 2 | EBE.300.01                  |
| 3,00                   | 6,00     | 3,00  | 50 | 2,90 | 8,00  | 1,50 | 2 | EBE.300.02                  |
| 3,00                   | 6,00     | 3,00  | 50 | 2,90 | 10,00 | 1,50 | 2 | EBE.300.03                  |
| 3,00                   | 6,00     | 3,00  | 50 | 2,90 | 12,00 | 1,50 | 2 | EBE.300.04                  |
| 3,00                   | 6,00     | 3,00  | 60 | 2,90 | 16,00 | 1,50 | 2 | EBE.300.05                  |
| 3,00                   | 6,00     | 3,00  | 60 | 2,90 | 20,00 | 1,50 | 2 | EBE.300.06                  |
| 3,00                   | 6,00     | 3,00  | 65 | 2,90 | 25,00 | 1,50 | 2 | EBE.300.07                  |
| 3,00                   | 6,00     | 3,00  | 70 | 2,90 | 30,00 | 1,50 | 2 | EBE.300.08                  |
| 3,00                   | 6,00     | 3,00  | 75 | 2,90 | 35,00 | 1,50 | 2 | EBE.300.09                  |
| 3,00                   | 6,00     | 3,00  | 80 | 2,90 | 40,00 | 1,50 | 2 | EBE.300.10                  |
| 3,00                   | 6,00     | 3,00  | 90 | 2,90 | 45,00 | 1,50 | 2 | EBE.300.11                  |
| 3,50                   | 6,00     | 3,50  | 50 | 3,40 | 10,00 | 1,75 | 2 | EBE.350.01                  |
| 3,50                   | 6,00     | 3,50  | 60 | 3,40 | 15,00 | 1,75 | 2 | EBE.350.02                  |
| 3,50                   | 6,00     | 3,50  | 60 | 3,40 | 20,00 | 1,75 | 2 | EBE.350.03                  |
| 3,50                   | 6,00     | 3,50  | 65 | 3,40 | 25,00 | 1,75 | 2 | EBE.350.04                  |
| 3,50                   | 6,00     | 3,50  | 70 | 3,40 | 30,00 | 1,75 | 2 | EBE.350.05                  |
| 3,50                   | 6,00     | 3,50  | 75 | 3,40 | 35,00 | 1,75 | 2 | EBE.350.06                  |
| 3,50                   | 6,00     | 3,50  | 80 | 3,40 | 40,00 | 1,75 | 2 | EBE.350.07                  |
| 4,00                   | 6,00     | 4,00  | 50 | 3,90 | 8,00  | 2,00 | 2 | EBE.400.01                  |
| 4,00                   | 6,00     | 4,00  | 50 | 3,90 | 10,00 | 2,00 | 2 | EBE.400.02                  |
| 4,00                   | 6,00     | 4,00  | 50 | 3,90 | 12,00 | 2,00 | 2 | EBE.400.03                  |
| 4,00                   | 6,00     | 4,00  | 60 | 3,90 | 16,00 | 2,00 | 2 | EBE.400.04                  |
| 4,00                   | 6,00     | 4,00  | 60 | 3,90 | 20,00 | 2,00 | 2 | EBE.400.05                  |
| 4,00                   | 6,00     | 4,00  | 65 | 3,90 | 25,00 | 2,00 | 2 | EBE.400.06                  |
| 4,00                   | 6,00     | 4,00  | 70 | 3,90 | 30,00 | 2,00 | 2 | EBE.400.07                  |
| 4,00                   | 6,00     | 4,00  | 75 | 3,90 | 35,00 | 2,00 | 2 | EBE.400.08                  |
| 4,00                   | 6,00     | 4,00  | 80 | 3,90 | 40,00 | 2,00 | 2 | EBE.400.09                  |
| 4,00                   | 6,00     | 4,00  | 90 | 3,90 | 45,00 | 2,00 | 2 | EBE.400.10                  |
| 5,00                   | 6,00     | 6,00  | 60 | 4,90 | 16,00 | 2,50 | 2 | EBE.500.01                  |
| 5,00                   | 6,00     | 6,00  | 60 | 4,90 | 20,00 | 2,50 | 2 | EBE.500.02                  |
| 5,00                   | 6,00     | 6,00  | 70 | 4,90 | 25,00 | 2,50 | 2 | EBE.500.03                  |
| 5,00                   | 6,00     | 6,00  | 75 | 4,90 | 30,00 | 2,50 | 2 | EBE.500.04                  |
| 5,00                   | 6,00     | 6,00  | 80 | 4,90 | 40,00 | 2,50 | 2 | EBE.500.05                  |
| 5,00                   | 6,00     | 6,00  | 90 | 4,90 | 45,00 | 2,50 | 2 | EBE.500.06                  |
| D1<br>+0,00<br>-0,02   | D2<br>h6 |       |    |      |       |      |   |                             |
| 6,00                   | 6,00     | 10,00 | 55 | 5,90 | 15,00 | 3,00 | 2 | EBE.600.01                  |

# VHM-Mini-Vollradiusfräser HSC

Solid carbide mini ball nose mill HSC

Artikel-Nr. EED...



| D1<br>+0,00<br>- 0,02 | D2<br>h6 | L2   | L1 | D3   | L3    | R    | Z | Artikel-Nr./<br>Article-No. |
|-----------------------|----------|------|----|------|-------|------|---|-----------------------------|
| 0,20                  | 6,00     | 0,25 | 55 | 0,18 | 0,60  | 0,10 | 2 | EED.020.10                  |
| 0,20                  | 6,00     | 0,25 | 55 | 0,18 | 1,00  | 0,10 | 2 | EED.020.11                  |
| 0,20                  | 6,00     | 0,25 | 55 | 0,18 | 1,50  | 0,10 | 2 | EED.020.12                  |
| 0,20                  | 6,00     | 0,25 | 55 | 0,18 | 2,00  | 0,10 | 2 | EED.020.13                  |
| 0,30                  | 6,00     | 0,25 | 55 | 0,28 | 1,00  | 0,15 | 2 | EED.030.10                  |
| 0,30                  | 6,00     | 0,25 | 55 | 0,28 | 2,00  | 0,15 | 2 | EED.030.11                  |
| 0,30                  | 6,00     | 0,25 | 55 | 0,28 | 3,00  | 0,15 | 2 | EED.030.12                  |
| 0,30                  | 6,00     | 0,25 | 55 | 0,28 | 5,00  | 0,15 | 2 | EED.030.13                  |
| 0,30                  | 6,00     | 0,25 | 55 | 0,28 | 4,00  | 0,15 | 2 | EED.031.12                  |
| 0,40                  | 6,00     | 0,30 | 55 | 0,38 | 1,00  | 0,20 | 2 | EED.031.13                  |
| 0,40                  | 6,00     | 0,30 | 55 | 0,38 | 2,00  | 0,20 | 2 | EED.040.10                  |
| 0,40                  | 6,00     | 0,30 | 55 | 0,38 | 4,00  | 0,20 | 2 | EED.040.11                  |
| 0,40                  | 6,00     | 0,30 | 55 | 0,38 | 6,00  | 0,20 | 2 | EED.040.12                  |
| 0,40                  | 6,00     | 0,30 | 55 | 0,38 | 3,00  | 0,20 | 2 | EED.041.10                  |
| 0,40                  | 6,00     | 0,30 | 55 | 0,38 | 5,00  | 0,20 | 2 | EED.041.11                  |
| 0,40                  | 6,00     | 0,30 | 55 | 0,38 | 7,00  | 0,20 | 2 | EED.041.12                  |
| 0,50                  | 6,00     | 0,40 | 55 | 0,48 | 2,00  | 0,25 | 2 | EED.050.10                  |
| 0,50                  | 6,00     | 0,40 | 55 | 0,48 | 4,00  | 0,25 | 2 | EED.050.11                  |
| 0,50                  | 6,00     | 0,40 | 55 | 0,48 | 6,00  | 0,25 | 2 | EED.050.12                  |
| 0,50                  | 6,00     | 0,40 | 55 | 0,48 | 6,50  | 0,25 | 2 | EED.050.13                  |
| 0,50                  | 6,00     | 0,40 | 55 | 0,48 | 8,50  | 0,25 | 2 | EED.050.14                  |
| 0,50                  | 6,00     | 0,40 | 55 | 0,48 | 10,00 | 0,25 | 2 | EED.050.15                  |
| 0,50                  | 6,00     | 0,40 | 55 | 0,48 | 2,50  | 0,25 | 2 | EED.051.10                  |
| 0,50                  | 6,00     | 0,40 | 55 | 0,48 | 3,50  | 0,25 | 2 | EED.051.11                  |
| 0,50                  | 6,00     | 0,40 | 55 | 0,48 | 4,50  | 0,25 | 2 | EED.051.12                  |
| 0,60                  | 6,00     | 0,50 | 55 | 0,58 | 2,00  | 0,30 | 2 | EED.060.10                  |
| 0,60                  | 6,00     | 0,50 | 55 | 0,58 | 4,00  | 0,30 | 2 | EED.060.11                  |
| 0,60                  | 6,00     | 0,50 | 55 | 0,58 | 6,00  | 0,30 | 2 | EED.060.12                  |
| 0,60                  | 6,00     | 0,50 | 65 | 0,58 | 8,00  | 0,30 | 2 | EED.060.13                  |
| 0,60                  | 6,00     | 0,50 | 65 | 0,58 | 8,50  | 0,30 | 2 | EED.060.14                  |
| 0,60                  | 6,00     | 0,50 | 55 | 0,58 | 10,00 | 0,30 | 2 | EED.060.15                  |
| 0,60                  | 6,00     | 0,50 | 65 | 0,58 | 11,50 | 0,30 | 2 | EED.060.16                  |
| 0,60                  | 6,00     | 0,50 | 55 | 0,58 | 2,50  | 0,30 | 2 | EED.061.10                  |
| 0,60                  | 6,00     | 0,50 | 55 | 0,58 | 3,50  | 0,30 | 2 | EED.061.11                  |
| 0,60                  | 6,00     | 0,50 | 55 | 0,58 | 4,50  | 0,30 | 2 | EED.061.12                  |
| 0,60                  | 6,00     | 0,50 | 55 | 0,58 | 6,50  | 0,30 | 2 | EED.061.13                  |
| 0,80                  | 6,00     | 0,60 | 55 | 0,77 | 4,00  | 0,40 | 2 | EED.080.10                  |
| 0,80                  | 6,00     | 0,60 | 55 | 0,77 | 6,00  | 0,40 | 2 | EED.080.11                  |
| 0,80                  | 6,00     | 0,60 | 55 | 0,77 | 8,00  | 0,40 | 2 | EED.080.12                  |
| 0,80                  | 6,00     | 0,60 | 55 | 0,77 | 10,00 | 0,40 | 2 | EED.080.13                  |

# VHM-Mini-Vollradiusfräser HSC

Solid carbide mini ball nose mill HSC

| Artikel-Nr. EED...   |          |      |    |      |       |      |   |                             |  |  |  |  |  |  |  |  |  |
|----------------------|----------|------|----|------|-------|------|---|-----------------------------|--|--|--|--|--|--|--|--|--|
| D1<br>+0,00<br>-0,02 | D2<br>h6 | L2   | L1 | D3   | L3    | R    | Z | Artikel-Nr./<br>Article-No. |  |  |  |  |  |  |  |  |  |
| 0,80                 | 6,00     | 0,60 | 65 | 0,77 | 12,00 | 0,40 | 2 | EED.080.14                  |  |  |  |  |  |  |  |  |  |
| 0,80                 | 6,00     | 0,60 | 65 | 0,77 | 14,00 | 0,40 | 2 | EED.080.15                  |  |  |  |  |  |  |  |  |  |
| 0,80                 | 6,00     | 0,60 | 65 | 0,77 | 16,00 | 0,40 | 2 | EED.080.16                  |  |  |  |  |  |  |  |  |  |
| 0,80                 | 6,00     | 0,60 | 55 | 0,77 | 5,00  | 0,40 | 2 | EED.081.10                  |  |  |  |  |  |  |  |  |  |
| 1,00                 | 4,00     | 0,80 | 54 | 0,95 | 4,00  | 0,50 | 2 | EED.100.02                  |  |  |  |  |  |  |  |  |  |
| 1,00                 | 4,00     | 0,80 | 54 | 0,95 | 6,00  | 0,50 | 2 | EED.100.04                  |  |  |  |  |  |  |  |  |  |
| 1,00                 | 4,00     | 0,80 | 54 | 0,95 | 8,00  | 0,50 | 2 | EED.100.06                  |  |  |  |  |  |  |  |  |  |
| 1,00                 | 6,00     | 0,80 | 55 | 0,95 | 4,00  | 0,50 | 2 | EED.100.10                  |  |  |  |  |  |  |  |  |  |
| 1,00                 | 6,00     | 0,80 | 55 | 0,95 | 6,00  | 0,50 | 2 | EED.100.11                  |  |  |  |  |  |  |  |  |  |
| 1,00                 | 6,00     | 0,80 | 55 | 0,95 | 8,00  | 0,50 | 2 | EED.100.12                  |  |  |  |  |  |  |  |  |  |
| 1,00                 | 6,00     | 0,80 | 65 | 0,95 | 10,00 | 0,50 | 2 | EED.100.13                  |  |  |  |  |  |  |  |  |  |
| 1,00                 | 6,00     | 0,80 | 65 | 0,95 | 12,00 | 0,50 | 2 | EED.100.14                  |  |  |  |  |  |  |  |  |  |
| 1,00                 | 6,00     | 0,80 | 65 | 0,95 | 15,00 | 0,50 | 2 | EED.100.15                  |  |  |  |  |  |  |  |  |  |
| 1,00                 | 6,00     | 0,80 | 65 | 0,95 | 20,00 | 0,50 | 2 | EED.100.16                  |  |  |  |  |  |  |  |  |  |
| 1,00                 | 6,00     | 0,80 | 70 | 0,95 | 25,00 | 0,50 | 2 | EED.100.17                  |  |  |  |  |  |  |  |  |  |
| 1,00                 | 6,00     | 0,80 | 75 | 0,95 | 30,00 | 0,50 | 2 | EED.100.18                  |  |  |  |  |  |  |  |  |  |
| 1,00                 | 6,00     | 0,80 | 65 | 0,95 | 5,00  | 0,50 | 2 | EED.101.10                  |  |  |  |  |  |  |  |  |  |
| 1,00                 | 6,00     | 0,80 | 65 | 0,95 | 14,00 | 0,50 | 2 | EED.101.14                  |  |  |  |  |  |  |  |  |  |
| 1,00                 | 6,00     | 0,80 | 65 | 0,95 | 16,00 | 0,50 | 2 | EED.101.15                  |  |  |  |  |  |  |  |  |  |
| 1,20                 | 6,00     | 1,00 | 55 | 1,15 | 3,00  | 0,60 | 2 | EED.101.18                  |  |  |  |  |  |  |  |  |  |
| 1,20                 | 6,00     | 1,00 | 55 | 1,15 | 5,00  | 0,60 | 2 | EED.120.10                  |  |  |  |  |  |  |  |  |  |
| 1,20                 | 6,00     | 1,00 | 55 | 1,15 | 6,00  | 0,60 | 2 | EED.120.11                  |  |  |  |  |  |  |  |  |  |
| 1,20                 | 6,00     | 1,00 | 55 | 1,15 | 8,00  | 0,60 | 2 | EED.120.12                  |  |  |  |  |  |  |  |  |  |
| 1,20                 | 6,00     | 1,00 | 65 | 1,15 | 10,00 | 0,60 | 2 | EED.120.13                  |  |  |  |  |  |  |  |  |  |
| 1,20                 | 6,00     | 1,00 | 65 | 1,15 | 12,00 | 0,60 | 2 | EED.120.14                  |  |  |  |  |  |  |  |  |  |
| 1,20                 | 6,00     | 1,00 | 65 | 1,15 | 15,00 | 0,60 | 2 | EED.120.15                  |  |  |  |  |  |  |  |  |  |
| 1,20                 | 6,00     | 1,00 | 65 | 1,15 | 20,00 | 0,60 | 2 | EED.120.16                  |  |  |  |  |  |  |  |  |  |
| 1,20                 | 6,00     | 1,00 | 70 | 1,15 | 25,00 | 0,60 | 2 | EED.120.17                  |  |  |  |  |  |  |  |  |  |
| 1,20                 | 6,00     | 1,00 | 65 | 1,15 | 18,00 | 0,60 | 2 | EED.121.15                  |  |  |  |  |  |  |  |  |  |
| 1,40                 | 6,00     | 1,20 | 55 | 1,35 | 4,00  | 0,70 | 2 | EED.140.10                  |  |  |  |  |  |  |  |  |  |
| 1,40                 | 6,00     | 1,20 | 55 | 1,35 | 6,00  | 0,70 | 2 | EED.140.11                  |  |  |  |  |  |  |  |  |  |
| 1,40                 | 6,00     | 1,20 | 55 | 1,35 | 8,00  | 0,70 | 2 | EED.140.12                  |  |  |  |  |  |  |  |  |  |
| 1,40                 | 6,00     | 1,20 | 55 | 1,35 | 10,00 | 0,70 | 2 | EED.140.13                  |  |  |  |  |  |  |  |  |  |
| 1,40                 | 6,00     | 1,20 | 65 | 1,35 | 12,00 | 0,70 | 2 | EED.140.14                  |  |  |  |  |  |  |  |  |  |
| 1,40                 | 6,00     | 1,20 | 65 | 1,35 | 15,00 | 0,70 | 2 | EED.140.15                  |  |  |  |  |  |  |  |  |  |
| 1,40                 | 6,00     | 1,20 | 65 | 1,35 | 20,00 | 0,70 | 2 | EED.140.16                  |  |  |  |  |  |  |  |  |  |
| 1,50                 | 6,00     | 1,20 | 55 | 1,44 | 6,00  | 0,75 | 2 | EED.150.10                  |  |  |  |  |  |  |  |  |  |
| 1,50                 | 6,00     | 1,20 | 55 | 1,44 | 8,00  | 0,75 | 2 | EED.150.11                  |  |  |  |  |  |  |  |  |  |
| 1,50                 | 6,00     | 1,20 | 65 | 1,44 | 10,00 | 0,75 | 2 | EED.150.12                  |  |  |  |  |  |  |  |  |  |
| 1,50                 | 6,00     | 1,20 | 65 | 1,44 | 12,00 | 0,75 | 2 | EED.150.13                  |  |  |  |  |  |  |  |  |  |
| 1,50                 | 6,00     | 1,20 | 65 | 1,44 | 15,00 | 0,75 | 2 | EED.150.14                  |  |  |  |  |  |  |  |  |  |
| 1,50                 | 6,00     | 1,20 | 65 | 1,44 | 20,00 | 0,75 | 2 | EED.150.15                  |  |  |  |  |  |  |  |  |  |
| 1,50                 | 6,00     | 1,20 | 65 | 1,44 | 25,00 | 0,75 | 2 | EED.150.16                  |  |  |  |  |  |  |  |  |  |
| 1,50                 | 6,00     | 1,20 | 70 | 1,44 | 30,00 | 0,75 | 2 | EED.150.17                  |  |  |  |  |  |  |  |  |  |
| 1,60                 | 6,00     | 1,50 | 55 | 1,55 | 6,00  | 0,80 | 2 | EED.160.10                  |  |  |  |  |  |  |  |  |  |
| 1,60                 | 6,00     | 1,50 | 55 | 1,55 | 8,00  | 0,80 | 2 | EED.160.11                  |  |  |  |  |  |  |  |  |  |

# VHM-Mini-Vollradiusfräser HSC

Solid carbide mini ball nose mill HSC

| Artikel-Nr. EED...   |          |      |    |      |       |      |   |                             |
|----------------------|----------|------|----|------|-------|------|---|-----------------------------|
|                      |          |      |    |      |       |      |   |                             |
| D1<br>+0,00<br>-0,02 | D2<br>h6 | L2   | L1 | D3   | L3    | R    | Z | Artikel-Nr./<br>Article-No. |
| 1,60                 | 6,00     | 1,50 | 65 | 1,55 | 10,00 | 0,80 | 2 | EED.160.12                  |
| 1,60                 | 6,00     | 1,50 | 65 | 1,55 | 12,00 | 0,80 | 2 | EED.160.13                  |
| 1,60                 | 6,00     | 1,50 | 65 | 1,55 | 16,00 | 0,80 | 2 | EED.160.14                  |
| 1,60                 | 6,00     | 1,50 | 65 | 1,55 | 20,00 | 0,80 | 2 | EED.160.15                  |
| 1,80                 | 6,00     | 1,50 | 55 | 1,72 | 6,00  | 0,90 | 2 | EED.180.10                  |
| 1,80                 | 6,00     | 1,50 | 55 | 1,72 | 8,00  | 0,90 | 2 | EED.180.11                  |
| 1,80                 | 6,00     | 1,50 | 65 | 1,72 | 12,00 | 0,90 | 2 | EED.180.12                  |
| 1,80                 | 6,00     | 1,50 | 65 | 1,72 | 16,00 | 0,90 | 2 | EED.180.13                  |
| 1,80                 | 6,00     | 1,50 | 65 | 1,72 | 20,00 | 0,90 | 2 | EED.180.14                  |
| 2,00                 | 6,00     | 1,50 | 54 | 1,92 | 12,00 | 1,00 | 2 | EED.200.09                  |
| 2,00                 | 6,00     | 1,50 | 55 | 1,92 | 6,00  | 1,00 | 2 | EED.200.10                  |
| 2,00                 | 6,00     | 1,50 | 55 | 1,92 | 8,00  | 1,00 | 2 | EED.200.11                  |
| 2,00                 | 6,00     | 1,50 | 65 | 1,92 | 10,00 | 1,00 | 2 | EED.200.12                  |
| 2,00                 | 6,00     | 1,50 | 65 | 1,92 | 12,00 | 1,00 | 2 | EED.200.13                  |
| 2,00                 | 6,00     | 1,50 | 65 | 1,92 | 15,00 | 1,00 | 2 | EED.200.14                  |
| 2,00                 | 6,00     | 1,50 | 65 | 1,92 | 20,00 | 1,00 | 2 | EED.200.15                  |
| 2,00                 | 6,00     | 1,50 | 70 | 1,92 | 25,00 | 1,00 | 2 | EED.200.16                  |
| 2,00                 | 6,00     | 1,50 | 75 | 1,92 | 30,00 | 1,00 | 2 | EED.200.17                  |
| 2,00                 | 6,00     | 1,50 | 65 | 1,92 | 16,00 | 1,00 | 2 | EED.201.14                  |
| 2,50                 | 6,00     | 2,00 | 55 | 2,40 | 8,00  | 1,25 | 2 | EED.250.10                  |
| 2,50                 | 6,00     | 2,00 | 65 | 2,40 | 12,00 | 1,25 | 2 | EED.250.11                  |
| 2,50                 | 6,00     | 2,00 | 65 | 2,40 | 16,00 | 1,25 | 2 | EED.250.12                  |
| 2,50                 | 6,00     | 2,00 | 65 | 2,40 | 20,00 | 1,25 | 2 | EED.250.13                  |
| 2,50                 | 6,00     | 2,00 | 70 | 2,40 | 23,00 | 1,25 | 2 | EED.250.14                  |
| 2,50                 | 6,00     | 2,00 | 70 | 2,40 | 25,00 | 1,25 | 2 | EED.250.15                  |
| 3,00                 | 6,00     | 2,50 | 55 | 2,90 | 5,00  | 1,50 | 2 | EED.300.10                  |
| 3,00                 | 6,00     | 2,50 | 65 | 2,90 | 10,00 | 1,50 | 2 | EED.300.11                  |
| 3,00                 | 6,00     | 2,50 | 65 | 2,90 | 15,00 | 1,50 | 2 | EED.300.12                  |
| 3,00                 | 6,00     | 2,50 | 65 | 2,90 | 20,00 | 1,50 | 2 | EED.300.13                  |
| 3,00                 | 6,00     | 2,50 | 70 | 2,90 | 25,00 | 1,50 | 2 | EED.300.14                  |
| 3,00                 | 6,00     | 2,50 | 75 | 2,90 | 30,00 | 1,50 | 2 | EED.300.15                  |
| 3,00                 | 6,00     | 2,50 | 55 | 2,90 | 6,00  | 1,50 | 2 | EED.301.09                  |
| 3,00                 | 6,00     | 2,50 | 55 | 2,90 | 8,00  | 1,50 | 2 | EED.301.10                  |
| 3,00                 | 6,00     | 2,50 | 65 | 2,90 | 12,00 | 1,50 | 2 | EED.301.11                  |
| 3,00                 | 6,00     | 2,50 | 65 | 2,90 | 16,00 | 1,50 | 2 | EED.301.12                  |
| 4,00                 | 6,00     | 3,20 | 65 | 3,90 | 10,00 | 2,00 | 2 | EED.400.10                  |
| 4,00                 | 6,00     | 3,20 | 65 | 3,90 | 15,00 | 2,00 | 2 | EED.400.11                  |
| 4,00                 | 6,00     | 3,20 | 65 | 3,90 | 20,00 | 2,00 | 2 | EED.400.12                  |
| 4,00                 | 6,00     | 3,20 | 70 | 3,90 | 25,00 | 2,00 | 2 | EED.400.13                  |
| 4,00                 | 6,00     | 3,20 | 75 | 3,90 | 30,00 | 2,00 | 2 | EED.400.14                  |
| 4,00                 | 6,00     | 3,20 | 75 | 3,90 | 35,00 | 2,00 | 2 | EED.400.15                  |
| 4,00                 | 6,00     | 3,20 | 75 | 3,90 | 40,00 | 2,00 | 2 | EED.400.16                  |
| 5,00                 | 6,00     | 4,00 | 65 | 4,90 | 10,00 | 2,50 | 2 | EED.500.10                  |
| 5,00                 | 6,00     | 4,00 | 65 | 4,90 | 15,00 | 2,50 | 2 | EED.500.11                  |
| 5,00                 | 6,00     | 4,00 | 65 | 4,90 | 20,00 | 2,50 | 2 | EED.500.12                  |
| 5,00                 | 6,00     | 4,00 | 70 | 4,90 | 25,00 | 2,50 | 2 | EED.500.13                  |

# VHM-Mini-Vollradiusfräser HSC

Solid carbide mini ball nose mill HSC

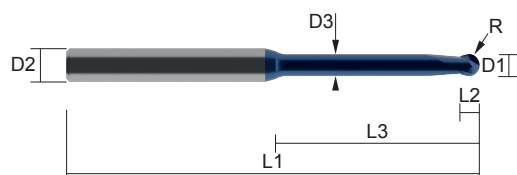
Artikel-Nr. EED...

| D1<br>+0,00<br>- 0,02 | D2<br>h6 | L2   | L1 | D3   | L3    | R    | Z | Artikel-Nr./<br>Article-No. |
|-----------------------|----------|------|----|------|-------|------|---|-----------------------------|
| 5,00                  | 6,00     | 4,00 | 75 | 4,90 | 30,00 | 2,50 | 2 | EED.500.14                  |
| 5,00                  | 6,00     | 4,00 | 90 | 4,90 | 40,00 | 2,50 | 2 | EED.500.15                  |
| 5,00                  | 6,00     | 4,00 | 75 | 4,90 | 18,00 | 2,50 | 2 | EED.501.11                  |
| 6,00                  | 6,00     | 5,00 | 65 | 5,90 | 10,00 | 3,00 | 2 | EED.600.10                  |
| 6,00                  | 6,00     | 5,00 | 65 | 5,90 | 15,00 | 3,00 | 2 | EED.600.11                  |
| 6,00                  | 6,00     | 5,00 | 65 | 5,90 | 20,00 | 3,00 | 2 | EED.600.12                  |
| 6,00                  | 6,00     | 5,00 | 70 | 5,90 | 25,00 | 3,00 | 2 | EED.600.13                  |
| 6,00                  | 6,00     | 5,00 | 75 | 5,90 | 30,00 | 3,00 | 2 | EED.600.14                  |
| 6,00                  | 6,00     | 5,00 | 90 | 5,90 | 40,00 | 3,00 | 2 | EED.600.15                  |
| 6,00                  | 6,00     | 5,00 | 90 | 5,90 | 50,00 | 3,00 | 2 | EED.600.16                  |
| 6,00                  | 6,00     | 5,00 | 65 | 5,90 | 18,00 | 3,00 | 2 | EED.601.11                  |

# VHM-Mini-Vollradiusfräser HSC

Solid carbide mini ball nose mill HSC

Artikel-Nr. EEI...



| D1<br>+0,000<br>- 0,015 | D2<br>h6 | L2   | L1 | D3   | L3    | R    | Z | Artikel-Nr./<br>Article-No. |
|-------------------------|----------|------|----|------|-------|------|---|-----------------------------|
| 0,20                    | 6,00     | 0,25 | 55 | 0,18 | 0,60  | 0,10 | 2 | EEI.020.10                  |
| 0,20                    | 6,00     | 0,25 | 55 | 0,18 | 1,00  | 0,10 | 2 | EEI.020.11                  |
| 0,20                    | 6,00     | 0,25 | 55 | 0,18 | 1,50  | 0,10 | 2 | EEI.020.12                  |
| 0,20                    | 6,00     | 0,25 | 55 | 0,18 | 2,00  | 0,10 | 2 | EEI.020.13                  |
| 0,30                    | 6,00     | 0,25 | 55 | 0,28 | 1,00  | 0,15 | 2 | EEI.030.10                  |
| 0,30                    | 6,00     | 0,25 | 55 | 0,28 | 2,00  | 0,15 | 2 | EEI.030.11                  |
| 0,30                    | 6,00     | 0,25 | 55 | 0,28 | 4,00  | 0,15 | 2 | EEI.031.12                  |
| 0,40                    | 6,00     | 0,30 | 55 | 0,38 | 1,00  | 0,20 | 2 | EEI.031.13                  |
| 0,40                    | 6,00     | 0,30 | 55 | 0,38 | 2,00  | 0,20 | 2 | EEI.040.10                  |
| 0,40                    | 6,00     | 0,30 | 55 | 0,38 | 3,00  | 0,20 | 2 | EEI.041.10                  |
| 0,40                    | 6,00     | 0,30 | 55 | 0,38 | 5,00  | 0,20 | 2 | EEI.041.11                  |
| 0,40                    | 6,00     | 0,30 | 55 | 0,38 | 7,00  | 0,20 | 2 | EEI.041.12                  |
| 0,50                    | 6,00     | 0,40 | 55 | 0,48 | 2,00  | 0,25 | 2 | EEI.050.10                  |
| 0,50                    | 6,00     | 0,40 | 55 | 0,48 | 4,00  | 0,25 | 2 | EEI.050.11                  |
| 0,50                    | 6,00     | 0,40 | 55 | 0,48 | 4,50  | 0,25 | 2 | EEI.050.12                  |
| 0,50                    | 6,00     | 0,40 | 55 | 0,48 | 6,50  | 0,25 | 2 | EEI.050.13                  |
| 0,50                    | 6,00     | 0,40 | 55 | 0,48 | 8,50  | 0,25 | 2 | EEI.050.14                  |
| 0,50                    | 6,00     | 0,40 | 55 | 0,48 | 10,00 | 0,25 | 2 | EEI.050.15                  |
| 0,50                    | 6,00     | 0,40 | 55 | 0,48 | 2,50  | 0,25 | 2 | EEI.051.10                  |
| 0,50                    | 6,00     | 0,40 | 55 | 0,48 | 3,50  | 0,25 | 2 | EEI.051.11                  |
| 0,50                    | 6,00     | 0,40 | 55 | 0,48 | 6,00  | 0,25 | 2 | EEI.051.12                  |
| 0,60                    | 6,00     | 0,50 | 55 | 0,58 | 2,00  | 0,30 | 2 | EEI.060.10                  |
| 0,60                    | 6,00     | 0,50 | 55 | 0,58 | 4,00  | 0,30 | 2 | EEI.060.11                  |
| 0,60                    | 6,00     | 0,50 | 65 | 0,58 | 8,50  | 0,30 | 2 | EEI.060.14                  |
| 0,60                    | 6,00     | 0,50 | 55 | 0,58 | 10,00 | 0,30 | 2 | EEI.060.15                  |
| 0,60                    | 6,00     | 0,50 | 65 | 0,58 | 11,50 | 0,30 | 2 | EEI.060.16                  |
| 0,60                    | 6,00     | 0,50 | 55 | 0,58 | 2,50  | 0,30 | 2 | EEI.061.09                  |
| 0,60                    | 6,00     | 0,50 | 55 | 0,58 | 3,50  | 0,30 | 2 | EEI.061.10                  |
| 0,60                    | 6,00     | 0,50 | 55 | 0,58 | 4,50  | 0,30 | 2 | EEI.061.11                  |
| 0,60                    | 6,00     | 0,50 | 55 | 0,58 | 6,50  | 0,30 | 2 | EEI.061.12                  |
| 0,80                    | 6,00     | 0,60 | 55 | 0,77 | 4,00  | 0,40 | 2 | EEI.080.10                  |
| 0,80                    | 6,00     | 0,60 | 55 | 0,77 | 6,00  | 0,40 | 2 | EEI.080.11                  |
| 0,80                    | 6,00     | 0,60 | 55 | 0,77 | 10,00 | 0,40 | 2 | EEI.080.13                  |
| 0,80                    | 6,00     | 0,60 | 65 | 0,77 | 12,00 | 0,40 | 2 | EEI.080.14                  |
| 0,80                    | 6,00     | 0,60 | 65 | 0,77 | 14,00 | 0,40 | 2 | EEI.080.15                  |
| 0,80                    | 6,00     | 0,60 | 65 | 0,77 | 16,00 | 0,40 | 2 | EEI.080.16                  |
| 0,80                    | 6,00     | 0,60 | 55 | 0,77 | 5,00  | 0,40 | 2 | EEI.081.10                  |
| 1,00                    | 4,00     | 0,80 | 54 | 0,95 | 4,00  | 0,50 | 2 | EEI.100.02                  |
| 1,00                    | 4,00     | 0,80 | 54 | 0,95 | 6,00  | 0,50 | 2 | EEI.100.04                  |
| 1,00                    | 4,00     | 0,80 | 54 | 0,95 | 8,00  | 0,50 | 2 | EEI.100.06                  |

# VHM-Mini-Vollradiusfräser HSC

Solid carbide mini ball nose mill HSC

| Artikel-Nr. EEI...     |          |      |    |      |       |      |   |                             |
|------------------------|----------|------|----|------|-------|------|---|-----------------------------|
|                        |          |      |    |      |       |      |   |                             |
| D1<br>+0,000<br>-0,015 | D2<br>h6 | L2   | L1 | D3   | L3    | R    | Z | Artikel-Nr./<br>Article-No. |
| 1,00                   | 6,00     | 0,80 | 55 | 0,95 | 4,00  | 0,50 | 2 | EEI.100.10                  |
| 1,00                   | 6,00     | 0,80 | 55 | 0,95 | 6,00  | 0,50 | 2 | EEI.100.11                  |
| 1,00                   | 6,00     | 0,80 | 55 | 0,95 | 8,00  | 0,50 | 2 | EEI.100.12                  |
| 1,00                   | 6,00     | 0,80 | 65 | 0,95 | 10,00 | 0,50 | 2 | EEI.100.13                  |
| 1,00                   | 6,00     | 0,80 | 65 | 0,95 | 12,00 | 0,50 | 2 | EEI.100.14                  |
| 1,00                   | 6,00     | 0,80 | 65 | 0,95 | 15,00 | 0,50 | 2 | EEI.100.15                  |
| 1,00                   | 6,00     | 0,80 | 65 | 0,95 | 5,00  | 0,50 | 2 | EEI.100.19                  |
| 1,00                   | 6,00     | 0,80 | 65 | 0,95 | 14,00 | 0,50 | 2 | EEI.101.10                  |
| 1,00                   | 6,00     | 0,80 | 65 | 0,95 | 16,00 | 0,50 | 2 | EEI.101.14                  |
| 1,20                   | 6,00     | 1,00 | 55 | 1,15 | 3,00  | 0,60 | 2 | EEI.101.15                  |
| 1,20                   | 6,00     | 1,00 | 65 | 1,15 | 18,00 | 0,60 | 2 | EEI.121.15                  |
| 1,40                   | 6,00     | 1,20 | 55 | 1,35 | 4,00  | 0,70 | 2 | EEI.140.10                  |
| 1,40                   | 6,00     | 1,20 | 55 | 1,35 | 6,00  | 0,70 | 2 | EEI.140.11                  |
| 1,40                   | 6,00     | 1,20 | 55 | 1,35 | 8,00  | 0,70 | 2 | EEI.140.12                  |
| 1,40                   | 6,00     | 1,20 | 55 | 1,35 | 10,00 | 0,70 | 2 | EEI.140.13                  |
| 1,40                   | 6,00     | 1,20 | 65 | 1,35 | 12,00 | 0,70 | 2 | EEI.140.14                  |
| 1,40                   | 6,00     | 1,20 | 65 | 1,35 | 15,00 | 0,70 | 2 | EEI.140.15                  |
| 1,40                   | 6,00     | 1,20 | 65 | 1,35 | 20,00 | 0,70 | 2 | EEI.140.16                  |
| 1,50                   | 6,00     | 1,20 | 55 | 1,44 | 6,00  | 0,75 | 2 | EEI.150.10                  |
| 1,50                   | 6,00     | 1,20 | 55 | 1,44 | 8,00  | 0,75 | 2 | EEI.150.11                  |
| 1,50                   | 6,00     | 1,20 | 65 | 1,44 | 10,00 | 0,75 | 2 | EEI.150.12                  |
| 1,50                   | 6,00     | 1,20 | 65 | 1,44 | 15,00 | 0,75 | 2 | EEI.150.14                  |
| 1,50                   | 6,00     | 1,20 | 65 | 1,44 | 20,00 | 0,75 | 2 | EEI.150.15                  |
| 1,60                   | 6,00     | 1,50 | 55 | 1,55 | 6,00  | 0,80 | 2 | EEI.160.10                  |
| 1,60                   | 6,00     | 1,50 | 55 | 1,55 | 8,00  | 0,80 | 2 | EEI.160.11                  |
| 1,60                   | 6,00     | 1,50 | 65 | 1,55 | 10,00 | 0,80 | 2 | EEI.160.12                  |
| 1,60                   | 6,00     | 1,50 | 65 | 1,55 | 12,00 | 0,80 | 2 | EEI.160.13                  |
| 1,60                   | 6,00     | 1,50 | 65 | 1,55 | 16,00 | 0,80 | 2 | EEI.160.14                  |
| 1,60                   | 6,00     | 1,50 | 65 | 1,55 | 20,00 | 0,80 | 2 | EEI.160.15                  |
| 1,80                   | 6,00     | 1,50 | 55 | 1,72 | 6,00  | 0,90 | 2 | EEI.180.10                  |
| 1,80                   | 6,00     | 1,50 | 55 | 1,72 | 8,00  | 0,90 | 2 | EEI.180.11                  |
| 1,80                   | 6,00     | 1,50 | 65 | 1,72 | 12,00 | 0,90 | 2 | EEI.180.12                  |
| 1,80                   | 6,00     | 1,50 | 65 | 1,72 | 16,00 | 0,90 | 2 | EEI.180.13                  |
| 1,80                   | 6,00     | 1,50 | 65 | 1,72 | 20,00 | 0,90 | 2 | EEI.180.14                  |
| 2,00                   | 4,00     | 1,50 | 54 | 1,92 | 12,00 | 1,00 | 2 | EEI.200.08                  |
| 2,00                   | 6,00     | 1,50 | 55 | 1,92 | 6,00  | 1,00 | 2 | EEI.200.10                  |
| 2,00                   | 6,00     | 1,50 | 55 | 1,92 | 8,00  | 1,00 | 2 | EEI.200.11                  |
| 2,00                   | 6,00     | 1,50 | 65 | 1,92 | 10,00 | 1,00 | 2 | EEI.200.12                  |
| 2,00                   | 6,00     | 1,50 | 65 | 1,92 | 12,00 | 1,00 | 2 | EEI.200.13                  |
| 2,00                   | 6,00     | 1,50 | 65 | 1,92 | 15,00 | 1,00 | 2 | EEI.200.14                  |
| 2,00                   | 6,00     | 1,50 | 65 | 1,92 | 20,00 | 1,00 | 2 | EEI.200.15                  |
| 2,50                   | 6,00     | 2,00 | 55 | 2,40 | 8,00  | 1,25 | 2 | EEI.250.10                  |
| 2,50                   | 6,00     | 2,00 | 65 | 2,40 | 12,00 | 1,25 | 2 | EEI.250.11                  |
| 2,50                   | 6,00     | 2,00 | 65 | 2,40 | 16,00 | 1,25 | 2 | EEI.250.12                  |
| 2,50                   | 6,00     | 2,00 | 65 | 2,40 | 20,00 | 1,25 | 2 | EEI.250.13                  |
| 2,50                   | 6,00     | 2,00 | 70 | 2,40 | 23,00 | 1,25 | 2 | EEI.250.14                  |

# VHM-Mini-Vollradiusfräser HSC

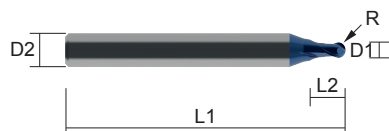
Solid carbide mini ball nose mill HSC

| Artikel-Nr. EEI...      |          |      |    |      |       |      |   |                             |
|-------------------------|----------|------|----|------|-------|------|---|-----------------------------|
|                         |          |      |    |      |       |      |   |                             |
| D1<br>+0,000<br>- 0,015 | D2<br>h6 | L2   | L1 | D3   | L3    | R    | Z | Artikel-Nr./<br>Article-No. |
| 2,50                    | 6,00     | 2,00 | 70 | 2,40 | 25,00 | 1,25 | 2 | EEI.250.15                  |
| 3,00                    | 6,00     | 2,50 | 55 | 2,90 | 5,00  | 1,50 | 2 | EEI.300.10                  |
| 3,00                    | 6,00     | 2,50 | 65 | 2,90 | 10,00 | 1,50 | 2 | EEI.300.11                  |
| 3,00                    | 6,00     | 2,50 | 65 | 2,90 | 15,00 | 1,50 | 2 | EEI.300.12                  |
| 3,00                    | 6,00     | 2,50 | 65 | 2,90 | 20,00 | 1,50 | 2 | EEI.300.13                  |
| 3,00                    | 6,00     | 2,50 | 75 | 2,90 | 30,00 | 1,50 | 2 | EEI.300.15                  |
| 3,00                    | 6,00     | 2,50 | 55 | 2,90 | 6,00  | 1,50 | 2 | EEI.301.09                  |
| 3,00                    | 6,00     | 2,50 | 55 | 2,90 | 8,00  | 1,50 | 2 | EEI.301.10                  |
| 3,00                    | 6,00     | 2,50 | 55 | 2,90 | 12,00 | 1,50 | 2 | EEI.301.11                  |
| 3,00                    | 6,00     | 2,50 | 55 | 2,90 | 16,00 | 1,50 | 2 | EEI.301.12                  |
| 4,00                    | 6,00     | 3,20 | 65 | 3,90 | 10,00 | 2,00 | 2 | EEI.400.10                  |
| 4,00                    | 6,00     | 3,20 | 65 | 3,90 | 15,00 | 2,00 | 2 | EEI.400.11                  |
| 4,00                    | 6,00     | 3,20 | 65 | 3,90 | 20,00 | 2,00 | 2 | EEI.400.12                  |
| 4,00                    | 6,00     | 3,20 | 70 | 3,90 | 25,00 | 2,00 | 2 | EEI.400.13                  |
| 4,00                    | 6,00     | 3,20 | 75 | 3,90 | 35,00 | 2,00 | 2 | EEI.401.14                  |
| 5,00                    | 6,00     | 4,00 | 65 | 4,90 | 15,00 | 2,50 | 2 | EEI.500.11                  |
| 5,00                    | 6,00     | 4,00 | 65 | 4,90 | 20,00 | 2,50 | 2 | EEI.500.12                  |
| 5,00                    | 6,00     | 4,00 | 75 | 4,90 | 18,00 | 2,50 | 2 | EEI.501.12                  |
| 6,00                    | 6,00     | 5,00 | 65 | 5,90 | 10,00 | 3,00 | 2 | EEI.600.10                  |
| 6,00                    | 6,00     | 5,00 | 65 | 5,90 | 15,00 | 3,00 | 2 | EEI.600.11                  |
| 6,00                    | 6,00     | 5,00 | 65 | 5,90 | 20,00 | 3,00 | 2 | EEI.600.12                  |
| 6,00                    | 6,00     | 5,00 | 70 | 5,90 | 25,00 | 3,00 | 2 | EEI.600.13                  |
| 6,00                    | 6,00     | 5,00 | 75 | 5,90 | 30,00 | 3,00 | 2 | EEI.600.14                  |
| 6,00                    | 6,00     | 5,00 | 90 | 5,90 | 40,00 | 3,00 | 2 | EEI.600.15                  |
| 6,00                    | 6,00     | 5,00 | 65 | 5,90 | 18,00 | 3,00 | 2 | EEI.601.11                  |

# VHM-Mini-Vollradiusfräser HSC

Solid carbide mini ball nose mill HSC

Artikel-Nr. DBZ...

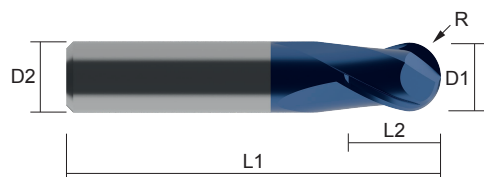


| D1<br>+0,000<br>-0,015 | D2<br>h6 | L2   | L1 | R    | Z | Artikel-Nr./<br>Article-No. |
|------------------------|----------|------|----|------|---|-----------------------------|
| 0,40                   | 6,00     | 0,40 | 50 | 0,20 | 2 | DBZ.004.00                  |
| 0,50                   | 6,00     | 0,50 | 50 | 0,25 | 2 | DBZ.005.00                  |
| 0,60                   | 6,00     | 0,60 | 50 | 0,30 | 2 | DBZ.006.00                  |
| 0,80                   | 6,00     | 0,80 | 50 | 0,40 | 2 | DBZ.008.00                  |
| 1,00                   | 6,00     | 1,00 | 50 | 0,50 | 2 | DBZ.010.00                  |
| 1,20                   | 6,00     | 1,20 | 50 | 0,60 | 2 | DBZ.012.00                  |
| 1,50                   | 6,00     | 1,50 | 50 | 0,75 | 2 | DBZ.015.00                  |
| 2,00                   | 6,00     | 2,00 | 50 | 1,00 | 2 | DBZ.020.00                  |
| 3,00                   | 6,00     | 3,00 | 50 | 1,50 | 2 | DBZ.030.00                  |
| 4,00                   | 6,00     | 4,00 | 50 | 2,00 | 2 | DBZ.040.00                  |
| D1<br>+0,00<br>-0,02   | D2<br>h6 |      |    |      |   |                             |
| 6,00                   | 6,00     | 6,00 | 50 | 3,00 | 2 | DBZ.060.00                  |

# VHM-Vollradiusfräser HSC

Solid carbide ball nose mill HSC

Artikel-Nr. EBZ...



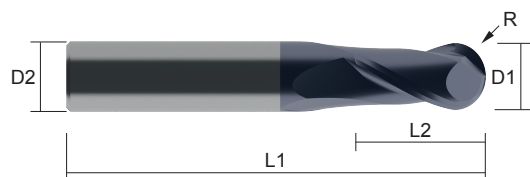
| D1<br>+0,00<br>- 0,02 | D2<br>h6 | L2    | L1 | R     | Z | Artikel-Nr./<br>Article-No. |
|-----------------------|----------|-------|----|-------|---|-----------------------------|
| 0,40                  | 3,00     | 1,50  | 38 | 0,20  | 2 | EBZ.004.00                  |
| 0,50                  | 3,00     | 1,50  | 38 | 0,25  | 2 | EBZ.005.00                  |
| 0,60                  | 3,00     | 1,50  | 38 | 0,30  | 2 | EBZ.006.00                  |
| 0,70                  | 3,00     | 2,00  | 38 | 0,35  | 2 | EBZ.007.00                  |
| 0,80                  | 3,00     | 2,00  | 38 | 0,40  | 2 | EBZ.008.00                  |
| 0,90                  | 3,00     | 2,50  | 38 | 0,45  | 2 | EBZ.009.00                  |
| 1,00                  | 3,00     | 2,00  | 50 | 0,50  | 2 | EBZ.010.00                  |
| 1,00                  | 6,00     | 2,00  | 54 | 0,50  | 2 | EBZ.011.00                  |
| 1,10                  | 3,00     | 3,00  | 50 | 0,55  | 2 | EBZ.012.00                  |
| 1,20                  | 3,00     | 3,00  | 50 | 0,60  | 2 | EBZ.013.00                  |
| 1,40                  | 3,00     | 3,00  | 50 | 0,70  | 2 | EBZ.014.00                  |
| 1,50                  | 3,00     | 3,00  | 50 | 0,75  | 2 | EBZ.015.00                  |
| 1,50                  | 6,00     | 3,00  | 54 | 0,75  | 2 | EBZ.016.00                  |
| 1,60                  | 3,00     | 4,00  | 50 | 0,80  | 2 | EBZ.017.00                  |
| 1,80                  | 3,00     | 4,00  | 50 | 0,90  | 2 | EBZ.018.00                  |
| 2,00                  | 3,00     | 4,00  | 50 | 1,00  | 2 | EBZ.020.00                  |
| 2,00                  | 6,00     | 4,00  | 54 | 1,00  | 2 | EBZ.021.00                  |
| 2,50                  | 3,00     | 5,00  | 50 | 1,25  | 2 | EBZ.025.00                  |
| 2,50                  | 6,00     | 5,00  | 54 | 1,25  | 2 | EBZ.026.00                  |
| 3,00                  | 3,00     | 5,00  | 50 | 1,50  | 2 | EBZ.030.00                  |
| 3,00                  | 6,00     | 5,00  | 54 | 1,50  | 2 | EBZ.031.00                  |
| 4,00                  | 4,00     | 8,00  | 54 | 2,00  | 2 | EBZ.040.00                  |
| 4,00                  | 6,00     | 8,00  | 54 | 2,00  | 2 | EBZ.041.00                  |
| 5,00                  | 5,00     | 9,00  | 54 | 2,50  | 2 | EBZ.050.00                  |
| 5,00                  | 6,00     | 9,00  | 54 | 2,50  | 2 | EBZ.051.00                  |
| 6,00                  | 6,00     | 10,00 | 54 | 3,00  | 2 | EBZ.060.00                  |
| 8,00                  | 8,00     | 12,00 | 58 | 4,00  | 2 | EBZ.080.00                  |
| 10,00                 | 10,00    | 14,00 | 66 | 5,00  | 2 | EBZ.100.00                  |
| 12,00                 | 12,00    | 16,00 | 73 | 6,00  | 2 | EBZ.120.00                  |
| 14,00                 | 14,00    | 18,00 | 75 | 7,00  | 2 | EBZ.140.00                  |
| 16,00                 | 16,00    | 22,00 | 82 | 8,00  | 2 | EBZ.160.00                  |
| 20,00                 | 20,00    | 26,00 | 92 | 10,00 | 2 | EBZ.200.00                  |

## VHM-Vollradiusfräser HSC kurz

Solid carbide ball nose mill HSC short

1<sup>ST</sup>  
CHOICE

Artikel-Nr. FFD...



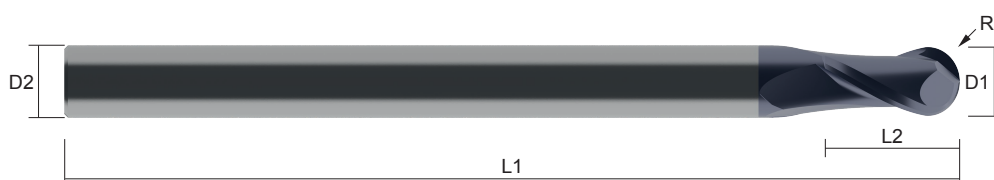
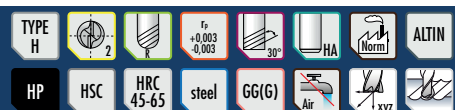
| D1<br>+0,00<br>- 0,02 | D2<br>h6 | L2 | L1 | R     | Z | Artikel-Nr./<br>Article-No. |
|-----------------------|----------|----|----|-------|---|-----------------------------|
| 3,00                  | 3,00     | 6  | 50 | 1,50  | 2 | FFD.030.00                  |
| 4,00                  | 4,00     | 8  | 54 | 2,00  | 2 | FFD.040.00                  |
| 5,00                  | 5,00     | 10 | 54 | 2,50  | 2 | FFD.050.00                  |
| 6,00                  | 6,00     | 12 | 54 | 3,00  | 2 | FFD.060.00                  |
| 8,00                  | 8,00     | 14 | 58 | 4,00  | 2 | FFD.080.00                  |
| 10,00                 | 10,00    | 18 | 66 | 5,00  | 2 | FFD.100.00                  |
| 12,00                 | 12,00    | 22 | 73 | 6,00  | 2 | FFD.120.00                  |
| 14,00                 | 14,00    | 26 | 75 | 7,00  | 2 | FFD.140.00                  |
| 16,00                 | 16,00    | 30 | 82 | 8,00  | 2 | FFD.160.00                  |
| 18,00                 | 18,00    | 34 | 84 | 9,00  | 2 | FFD.180.00                  |
| 20,00                 | 20,00    | 38 | 92 | 10,00 | 2 | FFD.200.00                  |

## VHM-Vollradiusfräser HSC

Solid carbide ball nose mill HSC

1<sup>ST</sup>  
CHOICE

Artikel-Nr. FFE...

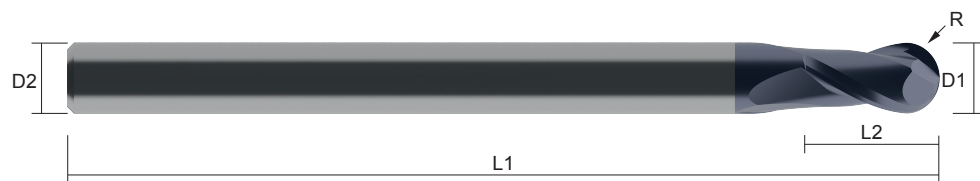


| D1<br>+0,00<br>- 0,02 | D2<br>h6 | L2    | L1  | R     | Z | Artikel-Nr./<br>Article-No. |
|-----------------------|----------|-------|-----|-------|---|-----------------------------|
| 1,00                  | 6,00     | 1,50  | 50  | 0,50  | 2 | FFE.010.00                  |
| 1,50                  | 6,00     | 2,50  | 50  | 0,75  | 2 | FFE.015.00                  |
| 2,00                  | 6,00     | 3,00  | 50  | 1,00  | 2 | FFE.020.00                  |
| 2,50                  | 6,00     | 4,00  | 50  | 1,25  | 2 | FFE.025.00                  |
| 3,00                  | 6,00     | 6,00  | 75  | 1,50  | 2 | FFE.030.00                  |
| 4,00                  | 6,00     | 8,00  | 75  | 2,00  | 2 | FFE.040.00                  |
| 5,00                  | 6,00     | 10,00 | 75  | 2,50  | 2 | FFE.050.00                  |
| 6,00                  | 6,00     | 12,00 | 100 | 3,00  | 2 | FFE.060.00                  |
| 8,00                  | 8,00     | 14,00 | 100 | 4,00  | 2 | FFE.080.00                  |
| 10,00                 | 10,00    | 18,00 | 100 | 5,00  | 2 | FFE.100.00                  |
| 12,00                 | 12,00    | 22,00 | 150 | 6,00  | 2 | FFE.120.00                  |
| 14,00                 | 14,00    | 26,00 | 150 | 7,00  | 2 | FFE.140.00                  |
| 20,00                 | 20,00    | 38,00 | 150 | 10,00 | 2 | FFE.200.00                  |

# VHM-Vollradiusfräser HSC lang

Solid carbide ball nose mill HSC long

Artikel-Nr. FFC...



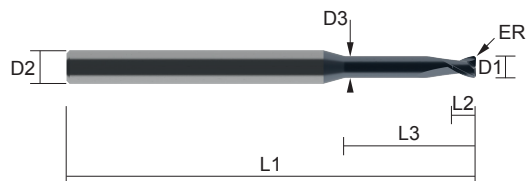
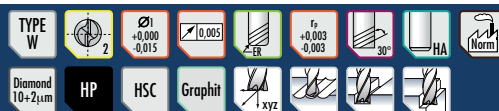
| D1<br>+0,00<br>- 0,02 | D2<br>h6 | L2    | L1  | R     | Z | Artikel-Nr./<br>Article-No. |
|-----------------------|----------|-------|-----|-------|---|-----------------------------|
| 1,00                  | 3,00     | 1,50  | 50  | 0,50  | 2 | FFC.010.00                  |
| 1,50                  | 3,00     | 2,50  | 50  | 0,75  | 2 | FFC.015.00                  |
| 2,00                  | 3,00     | 3,00  | 50  | 1,00  | 2 | FFC.020.00                  |
| 2,50                  | 3,00     | 4,00  | 50  | 1,25  | 2 | FFC.025.00                  |
| 3,00                  | 3,00     | 6,00  | 75  | 1,50  | 2 | FFC.030.00                  |
| 4,00                  | 4,00     | 8,00  | 75  | 2,00  | 2 | FFC.040.00                  |
| 5,00                  | 5,00     | 10,00 | 75  | 2,50  | 2 | FFC.050.00                  |
| 6,00                  | 6,00     | 12,00 | 100 | 3,00  | 2 | FFC.060.00                  |
| 8,00                  | 8,00     | 14,00 | 100 | 4,00  | 2 | FFC.080.00                  |
| 10,00                 | 10,00    | 18,00 | 100 | 5,00  | 2 | FFC.100.00                  |
| 12,00                 | 12,00    | 22,00 | 150 | 6,00  | 2 | FFC.120.00                  |
| 14,00                 | 14,00    | 26,00 | 150 | 7,00  | 2 | FFC.140.00                  |
| 16,00                 | 16,00    | 30,00 | 150 | 8,00  | 2 | FFC.160.00                  |
| 18,00                 | 18,00    | 34,00 | 150 | 9,00  | 2 | FFC.180.00                  |
| 20,00                 | 20,00    | 38,00 | 150 | 10,00 | 2 | FFC.200.00                  |

# VHM-Torusfräser HSC

Solid carbide torus mill HSC

**1<sup>ST</sup>**  
**CHOICE**

Artikel-Nr. EFZ...



| D1<br>+0,000<br>-0,015 | D2<br>h6 | L2   | L1 | D3   | L3    | ER   | Z | Artikel-Nr./<br>Article-No. |
|------------------------|----------|------|----|------|-------|------|---|-----------------------------|
| 0,20                   | 4,00     | 0,20 | 55 | 0,18 | 0,60  | 0,02 | 2 | EFZ.016.75                  |
| 0,20                   | 4,00     | 0,20 | 55 | 0,18 | 1,50  | 0,02 | 2 | EFZ.017.75                  |
| 0,20                   | 3,00     | 0,20 | 55 | 0,18 | 1,00  | 0,02 | 2 | EFZ.018.75                  |
| 0,20                   | 4,00     | 0,20 | 55 | 0,18 | 1,00  | 0,02 | 2 | EFZ.019.75                  |
| 0,20                   | 3,00     | 0,20 | 55 | 0,18 | 1,00  | 0,05 | 2 | EFZ.020.75                  |
| 0,20                   | 4,00     | 0,20 | 55 | 0,18 | 1,00  | 0,05 | 2 | EFZ.021.75                  |
| 0,30                   | 3,00     | 0,30 | 55 | 0,27 | 1,00  | 0,02 | 2 | EFZ.023.75                  |
| 0,30                   | 4,00     | 0,30 | 55 | 0,27 | 1,00  | 0,02 | 2 | EFZ.024.75                  |
| 0,30                   | 4,00     | 0,30 | 55 | 0,27 | 1,50  | 0,02 | 2 | EFZ.025.75                  |
| 0,30                   | 3,00     | 0,30 | 55 | 0,27 | 3,00  | 0,02 | 2 | EFZ.026.75                  |
| 0,30                   | 4,00     | 0,30 | 55 | 0,27 | 3,00  | 0,02 | 2 | EFZ.027.75                  |
| 0,30                   | 4,00     | 0,30 | 55 | 0,27 | 4,50  | 0,02 | 2 | EFZ.028.75                  |
| 0,30                   | 4,00     | 0,30 | 55 | 0,27 | 6,00  | 0,02 | 2 | EFZ.029.75                  |
| 0,30                   | 3,00     | 0,30 | 55 | 0,27 | 1,00  | 0,05 | 2 | EFZ.030.75                  |
| 0,30                   | 3,00     | 0,30 | 55 | 0,27 | 3,00  | 0,05 | 2 | EFZ.031.75                  |
| 0,30                   | 4,00     | 0,30 | 55 | 0,27 | 3,00  | 0,05 | 2 | EFZ.032.75                  |
| 0,30                   | 4,00     | 0,30 | 55 | 0,27 | 1,00  | 0,05 | 2 | EFZ.330.75                  |
| 0,40                   | 3,00     | 0,40 | 55 | 0,35 | 2,00  | 0,05 | 2 | EFZ.040.75                  |
| 0,40                   | 3,00     | 0,40 | 55 | 0,35 | 4,00  | 0,05 | 2 | EFZ.041.75                  |
| 0,40                   | 3,00     | 0,40 | 55 | 0,35 | 8,00  | 0,05 | 2 | EFZ.042.75                  |
| 0,40                   | 4,00     | 0,40 | 55 | 0,35 | 8,00  | 0,05 | 2 | EFZ.043.75                  |
| 0,40                   | 4,00     | 0,40 | 55 | 0,35 | 2,00  | 0,05 | 2 | EFZ.440.75                  |
| 0,40                   | 4,00     | 0,40 | 55 | 0,35 | 4,00  | 0,05 | 2 | EFZ.441.75                  |
| 0,40                   | 4,00     | 0,40 | 55 | 0,35 | 6,00  | 0,05 | 2 | EFZ.442.75                  |
| 0,50                   | 3,00     | 0,50 | 55 | 0,45 | 2,00  | 0,05 | 2 | EFZ.050.75                  |
| 0,50                   | 3,00     | 0,50 | 55 | 0,45 | 5,00  | 0,05 | 2 | EFZ.051.75                  |
| 0,50                   | 3,00     | 0,50 | 55 | 0,45 | 10,00 | 0,05 | 2 | EFZ.052.75                  |
| 0,50                   | 4,00     | 0,50 | 55 | 0,45 | 10,00 | 0,05 | 2 | EFZ.053.75                  |
| 0,50                   | 4,00     | 0,50 | 55 | 0,45 | 2,00  | 0,05 | 2 | EFZ.550.75                  |
| 0,50                   | 4,00     | 0,50 | 55 | 0,45 | 5,00  | 0,05 | 2 | EFZ.551.75                  |
| 0,50                   | 4,00     | 0,50 | 55 | 0,45 | 2,50  | 0,05 | 2 | EFZ.553.75                  |
| 0,50                   | 4,00     | 0,50 | 55 | 0,45 | 3,50  | 0,05 | 2 | EFZ.554.75                  |
| 0,50                   | 4,00     | 0,50 | 55 | 0,45 | 7,00  | 0,05 | 2 | EFZ.555.75                  |
| 0,60                   | 3,00     | 0,80 | 55 | 0,56 | 3,00  | 0,06 | 2 | EFZ.060.75                  |
| 0,60                   | 3,00     | 0,80 | 55 | 0,56 | 6,00  | 0,06 | 2 | EFZ.061.75                  |
| 0,60                   | 3,00     | 0,80 | 55 | 0,56 | 9,00  | 0,06 | 2 | EFZ.062.75                  |
| 0,60                   | 3,00     | 0,80 | 55 | 0,56 | 12,00 | 0,06 | 2 | EFZ.063.75                  |
| 0,60                   | 4,00     | 0,80 | 55 | 0,56 | 3,00  | 0,06 | 2 | EFZ.660.75                  |
| 0,60                   | 4,00     | 0,80 | 55 | 0,56 | 6,00  | 0,06 | 2 | EFZ.661.75                  |
| 0,60                   | 4,00     | 0,80 | 55 | 0,56 | 9,00  | 0,06 | 2 | EFZ.662.75                  |

# VHM-Torusfräser HSC

Solid carbide torus mill HSC



Artikel-Nr. EFZ...

| D1<br>+0,000<br>- 0,015 | D2<br>h6 | L2   | L1 | D3   | L3    | ER   | Z | Artikel-Nr./<br>Article-No. |
|-------------------------|----------|------|----|------|-------|------|---|-----------------------------|
| 0,60                    | 4,00     | 0,80 | 55 | 0,56 | 12,00 | 0,06 | 2 | EFZ.663.75                  |
| 0,60                    | 4,00     | 0,80 | 55 | 0,56 | 11,00 | 0,06 | 2 | EFZ.664.75                  |
| 0,80                    | 3,00     | 1,00 | 55 | 0,75 | 4,00  | 0,08 | 2 | EFZ.080.75                  |
| 0,80                    | 3,00     | 1,00 | 55 | 0,75 | 8,00  | 0,08 | 2 | EFZ.081.75                  |
| 0,80                    | 3,00     | 1,00 | 55 | 0,75 | 12,00 | 0,08 | 2 | EFZ.082.75                  |
| 0,80                    | 3,00     | 1,00 | 55 | 0,75 | 16,00 | 0,08 | 2 | EFZ.083.75                  |
| 0,80                    | 4,00     | 1,00 | 55 | 0,75 | 4,00  | 0,08 | 2 | EFZ.880.75                  |
| 0,80                    | 4,00     | 1,00 | 55 | 0,75 | 8,00  | 0,08 | 2 | EFZ.881.75                  |
| 0,80                    | 4,00     | 1,00 | 55 | 0,75 | 12,00 | 0,08 | 2 | EFZ.882.75                  |
| 0,80                    | 4,00     | 1,00 | 55 | 0,75 | 16,00 | 0,08 | 2 | EFZ.883.75                  |
| 1,00                    | 3,00     | 1,00 | 55 | 0,90 | 5,00  | 0,10 | 2 | EFZ.100.75                  |
| 1,00                    | 3,00     | 1,00 | 55 | 0,90 | 10,00 | 0,10 | 2 | EFZ.101.75                  |
| 1,00                    | 3,00     | 1,00 | 55 | 0,90 | 15,00 | 0,10 | 2 | EFZ.102.75                  |
| 1,00                    | 3,00     | 1,00 | 55 | 0,90 | 20,00 | 0,10 | 2 | EFZ.103.75                  |
| 1,00                    | 3,00     | 1,00 | 55 | 0,90 | 25,00 | 0,10 | 2 | EFZ.104.75                  |
| 1,00                    | 4,00     | 1,00 | 55 | 0,90 | 5,00  | 0,10 | 2 | EFZ.110.75                  |
| 1,00                    | 4,00     | 1,00 | 55 | 0,90 | 10,00 | 0,10 | 2 | EFZ.111.75                  |
| 1,00                    | 4,00     | 1,00 | 55 | 0,90 | 15,00 | 0,10 | 2 | EFZ.112.75                  |
| 1,00                    | 4,00     | 1,00 | 55 | 0,90 | 20,00 | 0,10 | 2 | EFZ.113.75                  |
| 1,00                    | 4,00     | 1,00 | 55 | 0,90 | 25,00 | 0,10 | 2 | EFZ.114.75                  |
| 1,00                    | 6,00     | 1,00 | 55 | 0,90 | 15,00 | 0,10 | 2 | EFZ.115.75                  |
| 1,20                    | 3,00     | 1,50 | 55 | 1,10 | 5,00  | 0,12 | 2 | EFZ.120.75                  |
| 1,20                    | 3,00     | 1,50 | 55 | 1,10 | 10,00 | 0,12 | 2 | EFZ.121.75                  |
| 1,20                    | 3,00     | 1,50 | 55 | 1,10 | 15,00 | 0,12 | 2 | EFZ.122.75                  |
| 1,20                    | 4,00     | 1,50 | 55 | 1,10 | 15,00 | 0,12 | 2 | EFZ.123.75                  |
| 1,20                    | 4,00     | 1,50 | 55 | 1,10 | 10,00 | 0,12 | 2 | EFZ.124.75                  |
| 1,20                    | 4,00     | 1,50 | 55 | 1,10 | 5,00  | 0,12 | 2 | EFZ.125.75                  |
| 1,50                    | 3,00     | 2,00 | 55 | 1,40 | 5,00  | 0,15 | 2 | EFZ.150.75                  |
| 1,50                    | 3,00     | 2,00 | 55 | 1,40 | 8,00  | 0,15 | 2 | EFZ.151.75                  |
| 1,50                    | 3,00     | 2,00 | 55 | 1,40 | 10,00 | 0,15 | 2 | EFZ.152.75                  |
| 1,50                    | 3,00     | 2,00 | 55 | 1,40 | 15,00 | 0,15 | 2 | EFZ.153.75                  |
| 1,50                    | 3,00     | 2,00 | 55 | 1,40 | 20,00 | 0,15 | 2 | EFZ.154.75                  |
| 1,50                    | 3,00     | 2,00 | 55 | 1,40 | 25,00 | 0,15 | 2 | EFZ.155.75                  |
| 1,50                    | 4,00     | 2,00 | 55 | 1,40 | 25,00 | 0,15 | 2 | EFZ.156.75                  |
| 1,50                    | 4,00     | 2,00 | 55 | 1,40 | 20,00 | 0,15 | 2 | EFZ.157.75                  |
| 1,50                    | 4,00     | 2,00 | 55 | 1,40 | 15,00 | 0,15 | 2 | EFZ.158.75                  |
| 1,50                    | 4,00     | 2,00 | 55 | 1,40 | 10,00 | 0,15 | 2 | EFZ.159.75                  |
| 1,50                    | 4,00     | 2,00 | 55 | 1,40 | 8,00  | 0,15 | 2 | EFZ.160.75                  |
| 1,50                    | 4,00     | 2,00 | 55 | 1,40 | 5,00  | 0,15 | 2 | EFZ.161.75                  |
| 1,50                    | 6,00     | 2,00 | 55 | 1,40 | 15,00 | 0,15 | 2 | EFZ.179.75                  |
| 1,80                    | 3,00     | 2,00 | 55 | 1,70 | 10,00 | 0,18 | 2 | EFZ.180.75                  |
| 1,80                    | 3,00     | 2,00 | 55 | 1,70 | 20,00 | 0,18 | 2 | EFZ.181.75                  |
| 1,80                    | 4,00     | 2,00 | 55 | 1,70 | 20,00 | 0,18 | 2 | EFZ.182.75                  |
| 1,80                    | 4,00     | 2,00 | 55 | 1,70 | 10,00 | 0,18 | 2 | EFZ.183.75                  |
| 2,00                    | 4,00     | 2,00 | 55 | 1,90 | 6,00  | 0,20 | 2 | EFZ.184.75                  |
| 2,00                    | 3,00     | 2,00 | 65 | 1,90 | 10,00 | 0,20 | 2 | EFZ.200.75                  |

# VHM-Torusfräser HSC

Solid carbide torus mill HSC



Artikel-Nr. EFZ...

| D1<br>+0,000<br>-0,015 | D2<br>h6 | L2   | L1 | D3   | L3    | ER   | Z | Artikel-Nr./<br>Article-No. |
|------------------------|----------|------|----|------|-------|------|---|-----------------------------|
| 2,00                   | 3,00     | 2,00 | 65 | 1,90 | 15,00 | 0,20 | 2 | EFZ.201.75                  |
| 2,00                   | 3,00     | 2,00 | 65 | 1,90 | 20,00 | 0,20 | 2 | EFZ.202.75                  |
| 2,00                   | 3,00     | 2,00 | 65 | 1,90 | 25,00 | 0,20 | 2 | EFZ.203.75                  |
| 2,00                   | 3,00     | 2,00 | 65 | 1,90 | 10,00 | 0,50 | 2 | EFZ.204.75                  |
| 2,00                   | 3,00     | 2,00 | 65 | 1,90 | 15,00 | 0,50 | 2 | EFZ.205.75                  |
| 2,00                   | 3,00     | 2,00 | 65 | 1,90 | 20,00 | 0,50 | 2 | EFZ.206.75                  |
| 2,00                   | 3,00     | 2,00 | 65 | 1,90 | 25,00 | 0,50 | 2 | EFZ.207.75                  |
| 2,00                   | 4,00     | 2,00 | 65 | 1,90 | 25,00 | 0,50 | 2 | EFZ.208.75                  |
| 2,00                   | 6,00     | 2,00 | 65 | 1,90 | 20,00 | 0,20 | 2 | EFZ.209.75                  |
| 2,00                   | 4,00     | 2,00 | 65 | 1,90 | 10,00 | 0,20 | 2 | EFZ.210.75                  |
| 2,00                   | 4,00     | 2,00 | 55 | 1,90 | 12,00 | 0,20 | 2 | EFZ.211.75                  |
| 2,00                   | 4,00     | 2,00 | 65 | 1,90 | 24,00 | 0,20 | 2 | EFZ.218.75                  |
| 2,00                   | 4,00     | 2,00 | 65 | 1,90 | 15,00 | 0,20 | 2 | EFZ.221.75                  |
| 2,00                   | 4,00     | 2,00 | 65 | 1,90 | 20,00 | 0,20 | 2 | EFZ.222.75                  |
| 2,00                   | 4,00     | 2,00 | 65 | 1,90 | 25,00 | 0,20 | 2 | EFZ.231.75                  |
| 2,00                   | 4,00     | 2,00 | 65 | 1,90 | 30,00 | 0,20 | 2 | EFZ.232.75                  |
| 2,00                   | 4,00     | 2,00 | 55 | 1,90 | 6,00  | 0,50 | 2 | EFZ.233.75                  |
| 2,00                   | 4,00     | 2,00 | 65 | 1,90 | 18,00 | 0,20 | 2 | EFZ.234.75                  |
| 2,00                   | 4,00     | 2,00 | 65 | 1,90 | 10,00 | 0,50 | 2 | EFZ.241.75                  |
| 2,00                   | 4,00     | 2,00 | 55 | 1,90 | 12,00 | 0,50 | 2 | EFZ.242.75                  |
| 2,00                   | 4,00     | 2,00 | 65 | 1,90 | 15,00 | 0,50 | 2 | EFZ.251.75                  |
| 2,00                   | 4,00     | 2,00 | 65 | 1,90 | 18,00 | 0,50 | 2 | EFZ.252.75                  |
| 2,00                   | 4,00     | 2,00 | 65 | 1,90 | 20,00 | 0,50 | 2 | EFZ.261.75                  |
| 2,00                   | 4,00     | 2,00 | 65 | 1,90 | 24,00 | 0,50 | 2 | EFZ.262.75                  |
| 2,00                   | 4,00     | 2,00 | 65 | 1,90 | 30,00 | 0,50 | 2 | EFZ.281.75                  |
| 2,50                   | 6,00     | 3,00 | 65 | 2,40 | 20,00 | 0,20 | 2 | EFZ.250.75                  |
| 3,00                   | 4,00     | 3,00 | 65 | 2,90 | 15,00 | 0,30 | 2 | EFZ.300.75                  |
| 3,00                   | 4,00     | 3,00 | 75 | 2,90 | 25,00 | 0,30 | 2 | EFZ.301.75                  |
| 3,00                   | 4,00     | 3,00 | 65 | 2,90 | 10,00 | 0,50 | 2 | EFZ.302.75                  |
| 3,00                   | 4,00     | 3,00 | 65 | 2,90 | 15,00 | 0,50 | 2 | EFZ.303.75                  |
| 3,00                   | 4,00     | 3,00 | 65 | 2,90 | 20,00 | 0,50 | 2 | EFZ.304.75                  |
| 3,00                   | 4,00     | 3,00 | 75 | 2,90 | 25,00 | 0,50 | 2 | EFZ.305.75                  |
| 3,00                   | 4,00     | 3,00 | 75 | 2,90 | 30,00 | 0,50 | 2 | EFZ.306.75                  |
| 3,00                   | 6,00     | 3,00 | 90 | 2,90 | 45,00 | 0,50 | 2 | EFZ.307.75                  |
| 3,00                   | 6,00     | 3,00 | 65 | 2,90 | 20,00 | 0,50 | 2 | EFZ.308.75                  |
| 3,00                   | 6,00     | 3,00 | 65 | 2,90 | 9,00  | 0,30 | 2 | EFZ.311.75                  |
| 3,00                   | 6,00     | 3,00 | 65 | 2,90 | 12,00 | 0,30 | 2 | EFZ.312.75                  |
| 3,00                   | 6,00     | 3,00 | 65 | 2,90 | 18,00 | 0,30 | 2 | EFZ.313.75                  |
| 3,00                   | 6,00     | 3,00 | 75 | 2,90 | 30,00 | 0,30 | 2 | EFZ.314.75                  |
| 3,00                   | 6,00     | 3,00 | 90 | 2,90 | 45,00 | 0,30 | 2 | EFZ.315.75                  |
| 3,00                   | 6,00     | 3,00 | 65 | 2,90 | 8,00  | 0,50 | 2 | EFZ.316.75                  |
| 3,00                   | 6,00     | 3,00 | 65 | 2,90 | 12,00 | 0,50 | 2 | EFZ.317.75                  |
| 3,00                   | 6,00     | 3,00 | 65 | 2,90 | 18,00 | 0,50 | 2 | EFZ.318.75                  |
| 3,50                   | 6,00     | 3,00 | 65 | 3,40 | 20,00 | 0,50 | 2 | EFZ.350.75                  |
| 4,00                   | 6,00     | 4,00 | 65 | 3,90 | 15,00 | 0,40 | 2 | EFZ.400.75                  |
| 4,00                   | 6,00     | 4,00 | 75 | 3,90 | 25,00 | 0,40 | 2 | EFZ.401.75                  |

# VHM-Torusfräser HSC

Solid carbide torus mill HSC



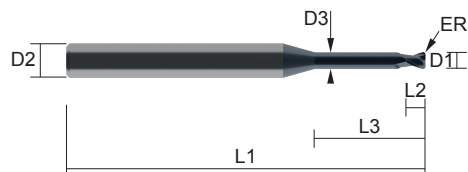
Artikel-Nr. EFZ...

| D1<br>+0,000<br>- 0,015 | D2<br>h6 | L2    | L1  | D3    | L3    | ER   | Z | Artikel-Nr./<br>Article-No. |
|-------------------------|----------|-------|-----|-------|-------|------|---|-----------------------------|
| 4,00                    | 6,00     | 4,00  | 65  | 3,90  | 20,00 | 0,50 | 2 | EFZ.402.75                  |
| 4,00                    | 6,00     | 4,00  | 75  | 3,90  | 30,00 | 0,50 | 2 | EFZ.403.75                  |
| 4,00                    | 6,00     | 4,00  | 90  | 3,90  | 40,00 | 0,50 | 2 | EFZ.404.75                  |
| 4,00                    | 6,00     | 4,00  | 65  | 3,90  | 15,00 | 0,30 | 2 | EFZ.411.75                  |
| 4,00                    | 6,00     | 4,00  | 65  | 3,90  | 10,00 | 0,50 | 2 | EFZ.412.75                  |
| 4,00                    | 6,00     | 4,00  | 65  | 3,90  | 12,00 | 0,50 | 2 | EFZ.413.75                  |
| 4,00                    | 6,00     | 4,00  | 75  | 3,90  | 24,00 | 0,50 | 2 | EFZ.414.75                  |
| 5,00                    | 6,00     | 5,00  | 65  | 4,90  | 15,00 | 0,50 | 2 | EFZ.405.75                  |
| 5,00                    | 6,00     | 5,00  | 75  | 4,90  | 20,00 | 0,50 | 2 | EFZ.500.75                  |
| 5,00                    | 6,00     | 5,00  | 75  | 4,90  | 30,00 | 0,50 | 2 | EFZ.501.75                  |
| 5,00                    | 6,00     | 5,00  | 90  | 4,90  | 40,00 | 0,50 | 2 | EFZ.502.75                  |
| 5,00                    | 6,00     | 5,00  | 90  | 4,90  | 50,00 | 0,50 | 2 | EFZ.503.75                  |
| 6,00                    | 6,00     | 6,00  | 75  | 5,90  | 30,00 | 0,30 | 2 | EFZ.504.75                  |
| 6,00                    | 6,00     | 6,00  | 75  | 5,90  | 20,00 | 0,50 | 2 | EFZ.505.75                  |
| 6,00                    | 6,00     | 6,00  | 75  | 5,90  | 30,00 | 0,50 | 2 | EFZ.600.75                  |
| 6,00                    | 6,00     | 6,00  | 90  | 5,90  | 40,00 | 0,50 | 2 | EFZ.601.75                  |
| 6,00                    | 6,00     | 6,00  | 90  | 5,90  | 50,00 | 0,50 | 2 | EFZ.602.75                  |
| 6,00                    | 6,00     | 6,00  | 100 | 5,90  | 60,00 | 0,50 | 2 | EFZ.603.75                  |
| 6,00                    | 6,00     | 6,00  | 75  | 5,90  | 30,00 | 1,00 | 2 | EFZ.604.75                  |
| 6,00                    | 6,00     | 6,00  | 90  | 5,90  | 40,00 | 1,00 | 2 | EFZ.605.75                  |
| 8,00                    | 8,00     | 8,00  | 80  | 7,80  | 30,00 | 0,50 | 2 | EFZ.800.75                  |
| 8,00                    | 8,00     | 8,00  | 100 | 7,80  | 60,00 | 0,50 | 2 | EFZ.801.75                  |
| 8,00                    | 8,00     | 8,00  | 80  | 7,80  | 30,00 | 1,00 | 2 | EFZ.802.75                  |
| 8,00                    | 8,00     | 8,00  | 100 | 7,80  | 60,00 | 1,00 | 2 | EFZ.803.75                  |
| 10,00                   | 10,00    | 10,00 | 80  | 9,80  | 30,00 | 0,50 | 2 | EFZ.900.75                  |
| 10,00                   | 10,00    | 10,00 | 100 | 9,80  | 60,00 | 0,50 | 2 | EFZ.901.75                  |
| 10,00                   | 10,00    | 10,00 | 80  | 9,80  | 30,00 | 1,00 | 2 | EFZ.902.75                  |
| 10,00                   | 10,00    | 10,00 | 100 | 9,80  | 60,00 | 1,00 | 2 | EFZ.903.75                  |
| 12,00                   | 12,00    | 12,00 | 80  | 11,80 | 30,00 | 0,50 | 2 | EFZ.904.75                  |
| 12,00                   | 12,00    | 12,00 | 100 | 11,80 | 60,00 | 0,50 | 2 | EFZ.905.75                  |
| 12,00                   | 12,00    | 12,00 | 80  | 11,80 | 30,00 | 1,00 | 2 | EFZ.906.75                  |
| 12,00                   | 12,00    | 12,00 | 100 | 11,80 | 60,00 | 1,00 | 2 | EFZ.907.75                  |

# VHM-Mini-Torusfräser HSC

Solid carbide mini torus mill HSC

Artikel-Nr. EFE...



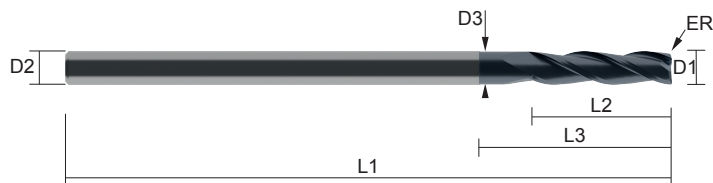
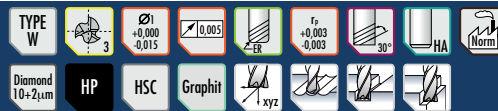
| D1<br>h9 | D2<br>h6 | L2   | L1 | D3   | L3 | ER   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|------|----|------|----|------|---|-----------------------------|
| 0,40     | 3,00     | 0,40 | 55 | 0,35 | 4  | 0,05 | 2 | EFE.041.75                  |
| 0,50     | 3,00     | 0,50 | 55 | 0,45 | 10 | 0,05 | 2 | EFE.052.75                  |
| 0,80     | 3,00     | 1,00 | 55 | 0,75 | 4  | 0,08 | 2 | EFE.080.75                  |
| 1,00     | 3,00     | 1,00 | 55 | 0,90 | 5  | 0,10 | 2 | EFE.100.75                  |
| 1,00     | 3,00     | 1,00 | 55 | 0,90 | 10 | 0,10 | 2 | EFE.101.75                  |
| 1,00     | 3,00     | 1,00 | 55 | 0,90 | 15 | 0,10 | 2 | EFE.102.75                  |
| 1,50     | 3,00     | 2,00 | 55 | 1,40 | 10 | 0,15 | 2 | EFE.152.75                  |
| 1,50     | 3,00     | 2,00 | 55 | 1,40 | 15 | 0,15 | 2 | EFE.153.75                  |
| 2,00     | 3,00     | 2,00 | 65 | 1,90 | 10 | 0,20 | 2 | EFE.200.75                  |
| 2,00     | 3,00     | 2,00 | 65 | 1,90 | 15 | 0,20 | 2 | EFE.201.75                  |
| 2,00     | 3,00     | 2,00 | 65 | 1,90 | 20 | 0,20 | 2 | EFE.202.75                  |
| 2,00     | 3,00     | 2,00 | 65 | 1,90 | 25 | 0,20 | 2 | EFE.203.75                  |
| 2,00     | 3,00     | 2,00 | 65 | 1,90 | 15 | 0,50 | 2 | EFE.205.75                  |
| 2,50     | 6,00     | 3,00 | 65 | 2,40 | 20 | 0,20 | 2 | EFE.250.75                  |
| 3,00     | 4,00     | 3,00 | 65 | 2,90 | 15 | 0,30 | 2 | EFE.300.75                  |
| 3,00     | 4,00     | 3,00 | 75 | 2,90 | 25 | 0,30 | 2 | EFE.301.75                  |
| 3,00     | 4,00     | 3,00 | 75 | 2,90 | 30 | 0,50 | 2 | EFE.306.75                  |
| 3,00     | 6,00     | 3,00 | 65 | 2,90 | 20 | 0,50 | 2 | EFE.307.75                  |
| 4,00     | 5,00     | 4,00 | 75 | 3,90 | 30 | 0,50 | 2 | EFE.403.75                  |
| 4,00     | 5,00     | 4,00 | 90 | 3,90 | 40 | 0,50 | 2 | EFE.404.75                  |
| 6,00     | 6,00     | 6,00 | 75 | 5,90 | 30 | 0,50 | 2 | EFE.600.75                  |
| 6,00     | 6,00     | 6,00 | 90 | 5,90 | 40 | 0,50 | 2 | EFE.601.75                  |

# VHM-Torusfräser HSC

Solid carbide torus mill HSC

**1<sup>ST</sup>**  
CHOICE

Artikel-Nr. EFG...

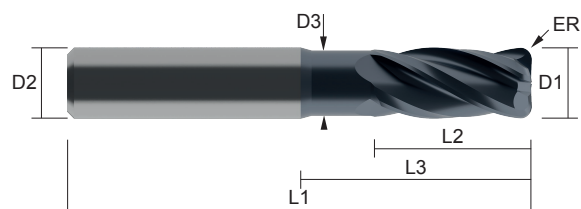


| D1<br>+0,000<br>-0,015 | D2<br>h6 | L2    | L1     | D3   | L3 | ER   | Z    | Artikel-Nr./<br>Article-No. |
|------------------------|----------|-------|--------|------|----|------|------|-----------------------------|
| 2,00                   | 3,00     | 10,00 | 65,00  | 1,90 | 12 | 0,20 | 3,00 | EFG.020.75                  |
| 2,00                   | 3,00     | 10,00 | 65,00  | 1,90 | 15 | 0,20 | 3,00 | EFG.021.75                  |
| 2,00                   | 3,00     | 10,00 | 65,00  | 1,90 | 20 | 0,20 | 3,00 | EFG.022.75                  |
| 2,00                   | 4,00     | 10,00 | 65,00  | 1,90 | 25 | 0,20 | 3,00 | EFG.023.75                  |
| 2,00                   | 4,00     | 10,00 | 65,00  | 1,90 | 30 | 0,20 | 3,00 | EFG.024.75                  |
| 2,00                   | 4,00     | 10,00 | 65,00  | 1,90 | 35 | 0,20 | 3,00 | EFG.025.75                  |
| 3,00                   | 3,00     | 15,00 | 65,00  | 2,90 | 32 | 0,20 | 3,00 | EFG.030.75                  |
| 4,00                   | 4,00     | 20,00 | 100,00 | 3,90 | 35 | 0,20 | 3,00 | EFG.040.75                  |
| 4,00                   | 4,00     | 20,00 | 100,00 | 3,90 | 40 | 0,20 | 3,00 | EFG.041.75                  |
| 4,00                   | 4,00     | 20,00 | 80,00  | 3,90 | 45 | 0,30 | 3,00 | EFG.042.75                  |
| 6,00                   | 6,00     | 25,00 | 110,00 | 5,90 | 35 | 0,30 | 3,00 | EFG.060.75                  |
| 6,00                   | 6,00     | 25,00 | 110,00 | 5,90 | 45 | 0,30 | 3,00 | EFG.061.75                  |
| 8,00                   | 8,00     | 25,00 | 110,00 | 7,80 | 65 | 0,30 | 3,00 | EFG.080.75                  |
| 10,00                  | 10,00    | 35,00 | 120,00 | 9,80 | 80 | 0,50 | 3,00 | EFG.100.75                  |

# VHM-Torusfräser HSC

Solid carbide torus mill HSC

Artikel-Nr. EFC...

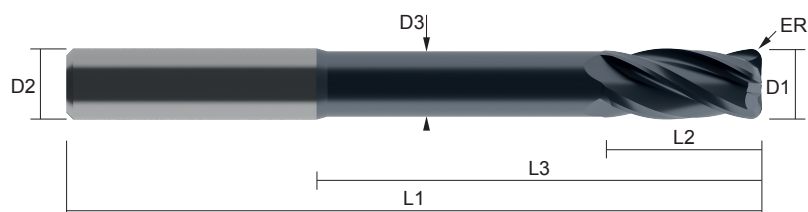


| D1<br>h9 | D2<br>h5 | L2 | L1 | D3    | L3 | ER   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|----|-------|----|------|---|-----------------------------|
| 3,00     | 3,00     | 6  | 50 | 2,70  | 14 | 0,30 | 4 | EFC.030.75                  |
| 3,00     | 3,00     | 6  | 50 | 2,70  | 14 | 0,50 | 4 | EFC.031.75                  |
| 3,00     | 3,00     | 6  | 50 | 2,70  | 14 | 1,00 | 4 | EFC.032.75                  |
| 4,00     | 4,00     | 8  | 50 | 3,70  | 16 | 0,40 | 4 | EFC.040.75                  |
| 4,00     | 4,00     | 8  | 50 | 3,70  | 16 | 0,50 | 4 | EFC.041.75                  |
| 4,00     | 4,00     | 8  | 50 | 3,70  | 16 | 1,00 | 4 | EFC.042.75                  |
| 5,00     | 5,00     | 10 | 54 | 4,60  | 18 | 0,50 | 4 | EFC.050.75                  |
| 5,00     | 5,00     | 10 | 54 | 4,60  | 18 | 1,00 | 4 | EFC.051.75                  |
| 6,00     | 6,00     | 13 | 57 | 5,50  | 21 | 0,50 | 4 | EFC.060.75                  |
| 6,00     | 6,00     | 13 | 57 | 5,50  | 21 | 1,00 | 4 | EFC.061.75                  |
| 6,00     | 6,00     | 13 | 57 | 5,50  | 21 | 1,50 | 4 | EFC.062.75                  |
| 8,00     | 8,00     | 15 | 63 | 7,40  | 27 | 0,50 | 4 | EFC.080.75                  |
| 8,00     | 8,00     | 15 | 63 | 7,40  | 27 | 1,00 | 4 | EFC.081.75                  |
| 8,00     | 8,00     | 15 | 63 | 7,40  | 27 | 1,50 | 4 | EFC.082.75                  |
| 8,00     | 8,00     | 15 | 63 | 7,40  | 27 | 2,00 | 4 | EFC.083.75                  |
| 10,00    | 10,00    | 18 | 72 | 9,20  | 32 | 0,50 | 4 | EFC.100.75                  |
| 10,00    | 10,00    | 18 | 72 | 9,20  | 32 | 1,00 | 4 | EFC.101.75                  |
| 10,00    | 10,00    | 18 | 72 | 9,20  | 32 | 1,50 | 4 | EFC.102.75                  |
| 10,00    | 10,00    | 18 | 72 | 9,20  | 32 | 2,00 | 4 | EFC.103.75                  |
| 12,00    | 12,00    | 26 | 83 | 11,00 | 38 | 0,50 | 4 | EFC.120.75                  |
| 12,00    | 12,00    | 26 | 83 | 11,00 | 38 | 1,00 | 4 | EFC.121.75                  |
| 12,00    | 12,00    | 26 | 83 | 11,00 | 38 | 1,50 | 4 | EFC.122.75                  |
| 12,00    | 12,00    | 26 | 83 | 11,00 | 38 | 2,00 | 4 | EFC.123.75                  |
| 16,00    | 16,00    | 32 | 92 | 15,00 | 50 | 0,50 | 4 | EFC.160.75                  |
| 16,00    | 16,00    | 32 | 92 | 15,00 | 50 | 1,00 | 4 | EFC.161.75                  |
| 16,00    | 16,00    | 32 | 92 | 15,00 | 50 | 1,50 | 4 | EFC.162.75                  |
| 16,00    | 16,00    | 32 | 92 | 15,00 | 50 | 2,00 | 4 | EFC.163.75                  |

# VHM-Torusfräser HSC

Solid carbide torus mill HSC

Artikel-Nr. EFD...



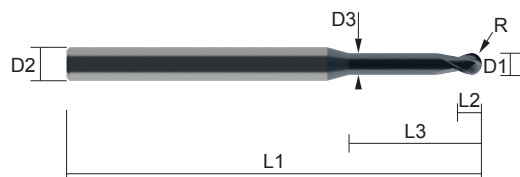
| D1<br>h9 | D2<br>h6 | L2 | L1  | D3    | L3 | ER   | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|----|------|---|-----------------------------|
| 3,00     | 3,00     | 6  | 80  | 2,70  | 32 | 0,30 | 4 | EFD.030.75                  |
| 3,00     | 3,00     | 6  | 80  | 2,70  | 32 | 0,50 | 4 | EFD.031.75                  |
| 3,00     | 3,00     | 6  | 80  | 2,70  | 32 | 1,00 | 4 | EFD.032.75                  |
| 4,00     | 4,00     | 8  | 80  | 3,70  | 36 | 0,40 | 4 | EFD.040.75                  |
| 4,00     | 4,00     | 8  | 80  | 3,70  | 36 | 0,50 | 4 | EFD.041.75                  |
| 4,00     | 4,00     | 8  | 80  | 3,70  | 36 | 1,00 | 4 | EFD.042.75                  |
| 5,00     | 5,00     | 10 | 80  | 4,60  | 40 | 0,50 | 4 | EFD.050.75                  |
| 5,00     | 5,00     | 10 | 80  | 4,60  | 40 | 1,00 | 4 | EFD.051.75                  |
| 6,00     | 6,00     | 13 | 90  | 5,50  | 44 | 0,50 | 4 | EFD.060.75                  |
| 6,00     | 6,00     | 13 | 90  | 5,50  | 44 | 1,00 | 4 | EFD.061.75                  |
| 6,00     | 6,00     | 13 | 90  | 5,50  | 44 | 1,50 | 4 | EFD.062.75                  |
| 8,00     | 8,00     | 15 | 100 | 7,40  | 54 | 0,50 | 4 | EFD.080.75                  |
| 8,00     | 8,00     | 15 | 100 | 7,40  | 54 | 1,00 | 4 | EFD.081.75                  |
| 8,00     | 8,00     | 15 | 100 | 7,40  | 54 | 1,50 | 4 | EFD.082.75                  |
| 8,00     | 8,00     | 15 | 100 | 7,40  | 54 | 2,00 | 4 | EFD.083.75                  |
| 10,00    | 10,00    | 18 | 100 | 9,20  | 60 | 0,50 | 4 | EFD.100.75                  |
| 10,00    | 10,00    | 18 | 100 | 9,20  | 60 | 1,00 | 4 | EFD.101.75                  |
| 10,00    | 10,00    | 18 | 100 | 9,20  | 60 | 1,50 | 4 | EFD.102.75                  |
| 10,00    | 10,00    | 18 | 100 | 9,20  | 60 | 2,00 | 4 | EFD.103.75                  |
| 12,00    | 12,00    | 26 | 120 | 11,00 | 75 | 0,50 | 4 | EFD.120.75                  |
| 12,00    | 12,00    | 26 | 120 | 11,00 | 75 | 1,00 | 4 | EFD.121.75                  |
| 12,00    | 12,00    | 26 | 120 | 11,00 | 75 | 1,50 | 4 | EFD.122.75                  |
| 12,00    | 12,00    | 26 | 120 | 11,00 | 75 | 2,00 | 4 | EFD.123.75                  |
| 16,00    | 16,00    | 32 | 120 | 15,00 | 85 | 0,50 | 4 | EFD.160.75                  |
| 16,00    | 16,00    | 32 | 120 | 15,00 | 85 | 1,00 | 4 | EFD.161.75                  |
| 16,00    | 16,00    | 32 | 120 | 15,00 | 85 | 1,50 | 4 | EFD.162.75                  |
| 16,00    | 16,00    | 32 | 120 | 15,00 | 85 | 2,00 | 4 | EFD.163.75                  |

# VHM-Vollradiusfräser HSC

Solid carbide ball nose mill HSC

**1<sup>ST</sup>**  
**CHOICE**

Artikel-Nr. EFA...



| D1<br>+0,000<br>-0,015 | D2<br>h6 | L2   | L1 | D3   | L3    | R    | Z | Artikel-Nr./<br>Article-No. |
|------------------------|----------|------|----|------|-------|------|---|-----------------------------|
| 0,20                   | 4,00     | 0,20 | 55 | 0,18 | 0,60  | 0,10 | 2 | EFA.018.75                  |
| 0,20                   | 4,00     | 0,20 | 55 | 0,18 | 1,50  | 0,10 | 2 | EFA.019.75                  |
| 0,20                   | 3,00     | 0,20 | 55 | 0,18 | 1,00  | 0,10 | 2 | EFA.020.75                  |
| 0,20                   | 4,00     | 0,20 | 55 | 0,18 | 1,00  | 0,10 | 2 | EFA.550.75                  |
| 0,30                   | 3,00     | 0,30 | 55 | 0,27 | 1,00  | 0,15 | 2 | EFA.030.75                  |
| 0,30                   | 3,00     | 0,30 | 55 | 0,27 | 3,00  | 0,15 | 2 | EFA.031.75                  |
| 0,30                   | 3,00     | 0,30 | 55 | 0,27 | 5,00  | 0,15 | 2 | EFA.032.75                  |
| 0,30                   | 3,00     | 0,30 | 55 | 0,27 | 8,00  | 0,15 | 2 | EFA.033.75                  |
| 0,30                   | 4,00     | 0,30 | 55 | 0,27 | 1,50  | 0,15 | 2 | EFA.299.75                  |
| 0,30                   | 4,00     | 0,30 | 55 | 0,27 | 4,50  | 0,15 | 2 | EFA.310.75                  |
| 0,30                   | 4,00     | 0,30 | 55 | 0,27 | 6,00  | 0,15 | 2 | EFA.320.75                  |
| 0,30                   | 4,00     | 0,30 | 55 | 0,27 | 1,00  | 0,15 | 2 | EFA.551.75                  |
| 0,30                   | 4,00     | 0,30 | 55 | 0,27 | 3,00  | 0,15 | 2 | EFA.552.75                  |
| 0,30                   | 4,00     | 0,30 | 55 | 0,27 | 5,00  | 0,15 | 2 | EFA.553.75                  |
| 0,30                   | 4,00     | 0,30 | 55 | 0,27 | 8,00  | 0,15 | 2 | EFA.554.75                  |
| 0,40                   | 3,00     | 0,40 | 55 | 0,35 | 4,00  | 0,20 | 2 | EFA.040.75                  |
| 0,40                   | 3,00     | 0,40 | 55 | 0,35 | 6,00  | 0,20 | 2 | EFA.041.75                  |
| 0,40                   | 3,00     | 0,40 | 55 | 0,35 | 8,00  | 0,20 | 2 | EFA.042.75                  |
| 0,40                   | 4,00     | 0,40 | 55 | 0,35 | 2,00  | 0,20 | 2 | EFA.330.75                  |
| 0,40                   | 4,00     | 0,40 | 55 | 0,35 | 4,00  | 0,20 | 2 | EFA.555.75                  |
| 0,40                   | 4,00     | 0,40 | 55 | 0,35 | 6,00  | 0,20 | 2 | EFA.556.75                  |
| 0,40                   | 4,00     | 0,40 | 55 | 0,35 | 8,00  | 0,20 | 2 | EFA.557.75                  |
| 0,50                   | 3,00     | 0,50 | 55 | 0,45 | 5,00  | 0,25 | 2 | EFA.050.75                  |
| 0,50                   | 3,00     | 0,50 | 55 | 0,45 | 10,00 | 0,25 | 2 | EFA.051.75                  |
| 0,50                   | 4,00     | 0,50 | 55 | 0,45 | 2,50  | 0,25 | 2 | EFA.420.75                  |
| 0,50                   | 4,00     | 0,50 | 55 | 0,45 | 3,50  | 0,25 | 2 | EFA.421.75                  |
| 0,50                   | 4,00     | 0,50 | 55 | 0,45 | 7,50  | 0,25 | 2 | EFA.499.75                  |
| 0,50                   | 4,00     | 0,50 | 55 | 0,45 | 5,00  | 0,25 | 2 | EFA.558.75                  |
| 0,50                   | 4,00     | 0,50 | 55 | 0,45 | 10,00 | 0,25 | 2 | EFA.559.75                  |
| 0,60                   | 3,00     | 0,80 | 55 | 0,56 | 6,00  | 0,30 | 2 | EFA.060.75                  |
| 0,60                   | 3,00     | 0,80 | 55 | 0,56 | 9,00  | 0,30 | 2 | EFA.061.75                  |
| 0,60                   | 3,00     | 0,80 | 55 | 0,56 | 12,00 | 0,30 | 2 | EFA.062.75                  |
| 0,60                   | 4,00     | 0,80 | 55 | 0,56 | 3,00  | 0,30 | 2 | EFA.065.75                  |
| 0,60                   | 4,00     | 0,80 | 55 | 0,56 | 6,00  | 0,30 | 2 | EFA.560.75                  |
| 0,60                   | 4,00     | 0,80 | 55 | 0,56 | 9,00  | 0,30 | 2 | EFA.561.75                  |
| 0,60                   | 4,00     | 0,80 | 55 | 0,56 | 12,00 | 0,30 | 2 | EFA.562.75                  |
| 0,60                   | 4,00     | 0,80 | 55 | 0,56 | 11,00 | 0,30 | 2 | EFA.599.75                  |
| 0,70                   | 3,00     | 0,90 | 55 | 0,65 | 7,00  | 0,35 | 2 | EFA.070.75                  |
| 0,70                   | 3,00     | 0,90 | 55 | 0,65 | 14,00 | 0,35 | 2 | EFA.071.75                  |
| 0,70                   | 4,00     | 0,90 | 55 | 0,65 | 7,00  | 0,35 | 2 | EFA.563.75                  |

# VHM-Vollradiusfräser HSC

Solid carbide ball nose mill HSC

**1<sup>ST</sup>**  
**CHOICE**

Artikel-Nr. EFA...



| D1<br>+0,000<br>-0,015 | D2<br>h6 | L2   | L1 | D3   | L3    | R    | Z | Artikel-Nr./<br>Article-No. |
|------------------------|----------|------|----|------|-------|------|---|-----------------------------|
| 0,70                   | 4,00     | 0,90 | 55 | 0,65 | 14,00 | 0,35 | 2 | EFA.564.75                  |
| 0,80                   | 4,00     | 1,00 | 55 | 0,75 | 4,00  | 0,40 | 2 | EFA.079.75                  |
| 0,80                   | 3,00     | 1,00 | 55 | 0,75 | 8,00  | 0,40 | 2 | EFA.080.75                  |
| 0,80                   | 3,00     | 1,00 | 55 | 0,75 | 12,00 | 0,40 | 2 | EFA.081.75                  |
| 0,80                   | 3,00     | 1,00 | 55 | 0,75 | 16,00 | 0,40 | 2 | EFA.082.75                  |
| 0,80                   | 4,00     | 1,00 | 75 | 0,75 | 45,00 | 0,40 | 2 | EFA.083.75                  |
| 0,80                   | 4,00     | 1,00 | 55 | 0,75 | 8,00  | 0,40 | 2 | EFA.565.75                  |
| 0,80                   | 4,00     | 1,00 | 55 | 0,75 | 12,00 | 0,40 | 2 | EFA.566.75                  |
| 0,80                   | 4,00     | 1,00 | 55 | 0,75 | 16,00 | 0,40 | 2 | EFA.567.75                  |
| 1,00                   | 3,00     | 1,00 | 55 | 0,90 | 5,00  | 0,50 | 2 | EFA.100.75                  |
| 1,00                   | 3,00     | 1,00 | 55 | 0,90 | 10,00 | 0,50 | 2 | EFA.101.75                  |
| 1,00                   | 3,00     | 1,00 | 55 | 0,90 | 15,00 | 0,50 | 2 | EFA.102.75                  |
| 1,00                   | 3,00     | 1,00 | 55 | 0,90 | 20,00 | 0,50 | 2 | EFA.103.75                  |
| 1,00                   | 3,00     | 1,00 | 55 | 0,90 | 25,00 | 0,50 | 2 | EFA.104.75                  |
| 1,00                   | 3,00     | 1,00 | 55 | 0,90 | 30,00 | 0,50 | 2 | EFA.105.75                  |
| 1,00                   | 6,00     | 1,00 | 55 | 0,90 | 15,00 | 0,50 | 2 | EFA.106.75                  |
| 1,00                   | 4,00     | 1,00 | 55 | 0,90 | 5,00  | 0,50 | 2 | EFA.568.75                  |
| 1,00                   | 4,00     | 1,00 | 55 | 0,90 | 10,00 | 0,50 | 2 | EFA.569.75                  |
| 1,00                   | 4,00     | 1,00 | 55 | 0,90 | 15,00 | 0,50 | 2 | EFA.570.75                  |
| 1,00                   | 4,00     | 1,00 | 55 | 0,90 | 20,00 | 0,50 | 2 | EFA.571.75                  |
| 1,00                   | 4,00     | 1,00 | 55 | 0,90 | 25,00 | 0,50 | 2 | EFA.572.75                  |
| 1,00                   | 4,00     | 1,00 | 55 | 0,90 | 30,00 | 0,50 | 2 | EFA.573.75                  |
| 1,20                   | 3,00     | 1,50 | 55 | 1,10 | 5,00  | 0,60 | 2 | EFA.120.75                  |
| 1,20                   | 3,00     | 1,50 | 55 | 1,10 | 10,00 | 0,60 | 2 | EFA.121.75                  |
| 1,20                   | 3,00     | 1,50 | 55 | 1,10 | 15,00 | 0,60 | 2 | EFA.122.75                  |
| 1,20                   | 4,00     | 1,50 | 55 | 1,10 | 5,00  | 0,60 | 2 | EFA.574.75                  |
| 1,20                   | 4,00     | 1,50 | 55 | 1,10 | 10,00 | 0,60 | 2 | EFA.575.75                  |
| 1,20                   | 4,00     | 1,50 | 55 | 1,10 | 15,00 | 0,60 | 2 | EFA.576.75                  |
| 1,50                   | 3,00     | 2,00 | 55 | 1,40 | 5,00  | 0,75 | 2 | EFA.150.75                  |
| 1,50                   | 3,00     | 2,00 | 55 | 1,40 | 10,00 | 0,75 | 2 | EFA.151.75                  |
| 1,50                   | 3,00     | 2,00 | 55 | 1,40 | 15,00 | 0,75 | 2 | EFA.152.75                  |
| 1,50                   | 3,00     | 2,00 | 55 | 1,40 | 20,00 | 0,75 | 2 | EFA.153.75                  |
| 1,50                   | 3,00     | 2,00 | 55 | 1,40 | 25,00 | 0,75 | 2 | EFA.154.75                  |
| 1,50                   | 6,00     | 2,00 | 55 | 1,40 | 15,00 | 0,75 | 2 | EFA.155.75                  |
| 1,50                   | 4,00     | 2,00 | 55 | 1,40 | 5,00  | 0,75 | 2 | EFA.577.75                  |
| 1,50                   | 4,00     | 2,00 | 55 | 1,40 | 10,00 | 0,75 | 2 | EFA.578.75                  |
| 1,50                   | 4,00     | 2,00 | 55 | 1,40 | 15,00 | 0,75 | 2 | EFA.579.75                  |
| 1,50                   | 4,00     | 2,00 | 55 | 1,40 | 20,00 | 0,75 | 2 | EFA.580.75                  |
| 1,50                   | 4,00     | 2,00 | 55 | 1,40 | 25,00 | 0,75 | 2 | EFA.581.75                  |
| 1,80                   | 3,00     | 2,00 | 55 | 1,70 | 20,00 | 0,90 | 2 | EFA.181.75                  |
| 1,80                   | 4,00     | 2,00 | 55 | 1,70 | 10,00 | 0,90 | 2 | EFA.582.75                  |
| 1,80                   | 4,00     | 2,00 | 55 | 1,70 | 20,00 | 0,90 | 2 | EFA.583.75                  |
| 2,00                   | 3,00     | 2,00 | 55 | 1,90 | 10,00 | 1,00 | 2 | EFA.200.75                  |
| 2,00                   | 3,00     | 2,00 | 55 | 1,90 | 15,00 | 1,00 | 2 | EFA.201.75                  |
| 2,00                   | 3,00     | 2,00 | 55 | 1,90 | 20,00 | 1,00 | 2 | EFA.202.75                  |
| 2,00                   | 3,00     | 2,00 | 65 | 1,90 | 25,00 | 1,00 | 2 | EFA.203.75                  |

# VHM-Vollradiusfräser HSC

Solid carbide ball nose mill HSC



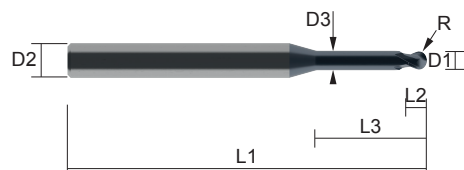
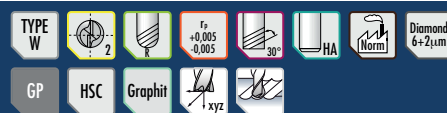
Artikel-Nr. EFA...

| D1    | D2<br>h6 | L2    | L1  | D3    | L3    | R    | Z | Artikel-Nr./<br>Article-No. |
|-------|----------|-------|-----|-------|-------|------|---|-----------------------------|
| 2,00  | 3,00     | 2,00  | 65  | 1,90  | 30,00 | 1,00 | 2 | EFA.204.75                  |
| 2,00  | 6,00     | 2,00  | 65  | 1,90  | 20,00 | 1,00 | 2 | EFA.205.75                  |
| 2,00  | 6,00     | 2,00  | 65  | 1,90  | 30,00 | 1,00 | 2 | EFA.206.75                  |
| 2,00  | 6,00     | 2,00  | 55  | 1,90  | 6,00  | 1,00 | 2 | EFA.210.75                  |
| 2,00  | 6,00     | 2,00  | 55  | 1,90  | 12,00 | 1,00 | 2 | EFA.211.75                  |
| 2,00  | 6,00     | 2,00  | 65  | 1,90  | 18,00 | 1,00 | 2 | EFA.212.75                  |
| 2,00  | 6,00     | 2,00  | 65  | 1,90  | 24,00 | 1,00 | 2 | EFA.213.75                  |
| 2,00  | 4,00     | 2,00  | 55  | 1,90  | 10,00 | 1,00 | 2 | EFA.584.75                  |
| 2,00  | 4,00     | 2,00  | 55  | 1,90  | 15,00 | 1,00 | 2 | EFA.585.75                  |
| 2,00  | 4,00     | 2,00  | 55  | 1,90  | 20,00 | 1,00 | 2 | EFA.586.75                  |
| 2,00  | 4,00     | 2,00  | 65  | 1,90  | 25,00 | 1,00 | 2 | EFA.587.75                  |
| 2,00  | 4,00     | 2,00  | 65  | 1,90  | 30,00 | 1,00 | 2 | EFA.588.75                  |
| 2,50  | 6,00     | 3,00  | 65  | 2,40  | 20,00 | 1,25 | 2 | EFA.250.75                  |
| 3,00  | 4,00     | 3,00  | 65  | 2,90  | 10,00 | 1,50 | 2 | EFA.300.75                  |
| 3,00  | 4,00     | 3,00  | 65  | 2,90  | 15,00 | 1,50 | 2 | EFA.301.75                  |
| 3,00  | 4,00     | 3,00  | 65  | 2,90  | 20,00 | 1,50 | 2 | EFA.302.75                  |
| 3,00  | 4,00     | 3,00  | 75  | 2,90  | 25,00 | 1,50 | 2 | EFA.303.75                  |
| 3,00  | 4,00     | 3,00  | 75  | 2,90  | 30,00 | 1,50 | 2 | EFA.304.75                  |
| 3,00  | 6,00     | 3,00  | 65  | 2,90  | 20,00 | 1,50 | 2 | EFA.305.75                  |
| 3,00  | 4,00     | 3,00  | 75  | 2,90  | 45,00 | 1,50 | 2 | EFA.306.75                  |
| 3,00  | 6,00     | 3,00  | 65  | 2,90  | 9,00  | 1,50 | 2 | EFA.311.75                  |
| 3,00  | 6,00     | 3,00  | 65  | 2,90  | 18,00 | 1,50 | 2 | EFA.312.75                  |
| 3,00  | 4,00     | 3,00  | 65  | 2,90  | 12,00 | 1,50 | 2 | EFA.313.75                  |
| 3,50  | 6,00     | 3,00  | 65  | 3,40  | 20,00 | 1,75 | 2 | EFA.350.75                  |
| 4,00  | 6,00     | 4,00  | 65  | 3,90  | 20,00 | 2,00 | 2 | EFA.400.75                  |
| 4,00  | 6,00     | 4,00  | 75  | 3,90  | 30,00 | 2,00 | 2 | EFA.401.75                  |
| 4,00  | 6,00     | 4,00  | 90  | 3,90  | 40,00 | 2,00 | 2 | EFA.402.75                  |
| 4,00  | 6,00     | 4,00  | 65  | 3,90  | 10,00 | 2,00 | 2 | EFA.411.75                  |
| 4,00  | 6,00     | 4,00  | 65  | 3,90  | 12,00 | 2,00 | 2 | EFA.412.75                  |
| 4,00  | 6,00     | 4,00  | 75  | 3,90  | 24,00 | 2,00 | 2 | EFA.413.75                  |
| 5,00  | 6,00     | 5,00  | 65  | 4,90  | 15,00 | 2,50 | 2 | EFA.414.75                  |
| 5,00  | 6,00     | 5,00  | 65  | 4,90  | 20,00 | 2,50 | 2 | EFA.500.75                  |
| 5,00  | 6,00     | 5,00  | 75  | 4,90  | 30,00 | 2,50 | 2 | EFA.501.75                  |
| 5,00  | 6,00     | 5,00  | 90  | 4,90  | 40,00 | 2,50 | 2 | EFA.502.75                  |
| 5,00  | 6,00     | 5,00  | 90  | 4,90  | 50,00 | 2,50 | 2 | EFA.503.75                  |
| 6,00  | 6,00     | 6,00  | 65  | 5,90  | 18,00 | 3,00 | 2 | EFA.515.75                  |
| 6,00  | 6,00     | 6,00  | 75  | 5,90  | 30,00 | 3,00 | 2 | EFA.600.75                  |
| 6,00  | 6,00     | 6,00  | 90  | 5,90  | 40,00 | 3,00 | 2 | EFA.601.75                  |
| 6,00  | 6,00     | 6,00  | 90  | 5,90  | 50,00 | 3,00 | 2 | EFA.602.75                  |
| 6,00  | 6,00     | 6,00  | 100 | 5,90  | 60,00 | 3,00 | 2 | EFA.603.75                  |
| 8,00  | 8,00     | 8,00  | 80  | 7,80  | 30,00 | 4,00 | 2 | EFA.800.75                  |
| 8,00  | 8,00     | 8,00  | 100 | 7,80  | 60,00 | 4,00 | 2 | EFA.801.75                  |
| 10,00 | 10,00    | 10,00 | 80  | 9,80  | 30,00 | 5,00 | 2 | EFA.900.75                  |
| 10,00 | 10,00    | 10,00 | 100 | 9,80  | 60,00 | 5,00 | 2 | EFA.901.75                  |
| 12,00 | 12,00    | 12,00 | 83  | 11,80 | 30,00 | 6,00 | 2 | EFA.902.75                  |
| 12,00 | 12,00    | 12,00 | 100 | 11,80 | 60,00 | 6,00 | 2 | EFA.903.75                  |

# VHM-Mini-Vollradiusfräser HSC

Solid carbide mini ball nose mill HSC

Artikel-Nr. EFF...



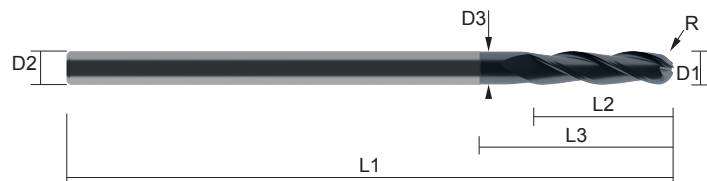
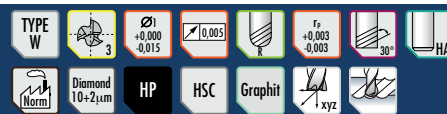
| D1<br>+0,00<br>-0,02 | D2<br>h6 | L2   | L1 | D3   | L3 | R    | Z | Artikel-Nr./<br>Article-No. |
|----------------------|----------|------|----|------|----|------|---|-----------------------------|
| 0,40                 | 3,00     | 0,40 | 55 | 0,35 | 4  | 0,20 | 2 | EFF.040.75                  |
| 0,40                 | 3,00     | 0,40 | 55 | 0,35 | 6  | 0,20 | 2 | EFF.041.75                  |
| 0,50                 | 3,00     | 0,50 | 55 | 0,45 | 5  | 0,25 | 2 | EFF.050.75                  |
| 0,50                 | 3,00     | 0,50 | 55 | 0,45 | 10 | 0,25 | 2 | EFF.051.75                  |
| 0,60                 | 3,00     | 0,80 | 55 | 0,56 | 6  | 0,30 | 2 | EFF.060.75                  |
| 0,80                 | 3,00     | 1,00 | 55 | 0,75 | 8  | 0,40 | 2 | EFF.080.75                  |
| 0,80                 | 3,00     | 1,00 | 55 | 0,75 | 12 | 0,40 | 2 | EFF.081.75                  |
| 1,00                 | 3,00     | 1,00 | 55 | 0,90 | 5  | 0,50 | 2 | EFF.100.75                  |
| 1,00                 | 3,00     | 1,00 | 55 | 0,90 | 10 | 0,50 | 2 | EFF.101.75                  |
| 1,00                 | 3,00     | 1,00 | 55 | 0,90 | 15 | 0,50 | 2 | EFF.102.75                  |
| 1,00                 | 3,00     | 1,00 | 55 | 0,90 | 20 | 0,50 | 2 | EFF.103.75                  |
| 1,00                 | 6,00     | 1,00 | 55 | 0,90 | 15 | 0,50 | 2 | EFF.104.75                  |
| 1,50                 | 3,00     | 2,00 | 55 | 1,40 | 10 | 0,75 | 2 | EFF.151.75                  |
| 1,50                 | 3,00     | 2,00 | 55 | 1,40 | 15 | 0,75 | 2 | EFF.152.75                  |
| 1,50                 | 3,00     | 2,00 | 55 | 1,40 | 25 | 0,75 | 2 | EFF.154.75                  |
| 2,00                 | 3,00     | 2,00 | 55 | 1,90 | 10 | 1,00 | 2 | EFF.200.75                  |
| 2,00                 | 3,00     | 2,00 | 55 | 1,90 | 15 | 1,00 | 2 | EFF.201.75                  |
| 2,00                 | 3,00     | 2,00 | 55 | 1,90 | 20 | 1,00 | 2 | EFF.202.75                  |
| 2,00                 | 3,00     | 2,00 | 65 | 1,90 | 25 | 1,00 | 2 | EFF.203.75                  |
| 2,00                 | 3,00     | 2,00 | 65 | 1,90 | 30 | 1,00 | 2 | EFF.204.75                  |
| 3,00                 | 4,00     | 3,00 | 65 | 2,90 | 15 | 1,50 | 2 | EFF.301.75                  |
| 3,00                 | 4,00     | 3,00 | 75 | 2,90 | 30 | 1,50 | 2 | EFF.304.75                  |
| 3,50                 | 6,00     | 3,00 | 65 | 3,40 | 20 | 1,75 | 2 | EFF.350.75                  |
| 4,00                 | 5,00     | 4,00 | 65 | 3,90 | 20 | 2,00 | 2 | EFF.400.75                  |
| 4,00                 | 5,00     | 4,00 | 75 | 3,90 | 30 | 2,00 | 2 | EFF.401.75                  |
| 6,00                 | 6,00     | 6,00 | 75 | 5,90 | 30 | 3,00 | 2 | EFF.600.75                  |
| 6,00                 | 6,00     | 6,00 | 90 | 5,90 | 50 | 3,00 | 2 | EFF.602.75                  |

# VHM-Vollradiusfräser HSC

Solid carbide ball nose mill HSC

**1<sup>ST</sup>**  
CHOICE

Artikel-Nr. EFH...



| D1<br>+0,000<br>-0,015 | D2<br>h6 | L2 | L1  | D3   | L3 | R    | Z | Artikel-Nr./<br>Article-No. |
|------------------------|----------|----|-----|------|----|------|---|-----------------------------|
| 2,00                   | 3,00     | 10 | 65  | 1,90 | 12 | 1,00 | 3 | EFH.020.75                  |
| 2,00                   | 3,00     | 10 | 65  | 1,90 | 15 | 1,00 | 3 | EFH.021.75                  |
| 2,00                   | 3,00     | 10 | 65  | 1,90 | 20 | 1,00 | 3 | EFH.022.75                  |
| 2,00                   | 4,00     | 10 | 65  | 1,90 | 25 | 1,00 | 3 | EFH.023.75                  |
| 2,00                   | 4,00     | 10 | 65  | 1,90 | 30 | 1,00 | 3 | EFH.024.75                  |
| 2,00                   | 4,00     | 10 | 65  | 1,90 | 35 | 1,00 | 3 | EFH.025.75                  |
| 3,00                   | 3,00     | 15 | 65  | 2,90 | 32 | 1,50 | 3 | EFH.030.75                  |
| 4,00                   | 4,00     | 20 | 100 | 3,90 | 35 | 2,00 | 3 | EFH.040.75                  |
| 4,00                   | 4,00     | 20 | 100 | 3,90 | 40 | 2,00 | 3 | EFH.041.75                  |
| 6,00                   | 6,00     | 25 | 110 | 5,90 | 35 | 3,00 | 3 | EFH.060.75                  |
| 6,00                   | 6,00     | 25 | 110 | 5,90 | 45 | 3,00 | 3 | EFH.061.75                  |
| 8,00                   | 8,00     | 25 | 110 | 7,80 | 65 | 4,00 | 3 | EFH.080.75                  |

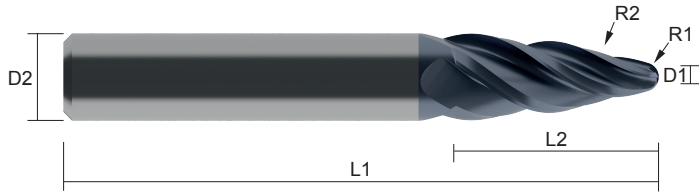
## VHM-Bogensegmentfräser CSC

Solid carbide curve mill CSC

1<sup>ST</sup> CHOICE

Artikel-Nr. FCC...

TYP W-H 4 R  $\pm 0,010$  HA Norm BLANK  
VRC HP CSC UNIVERSAL xyz



| D1   | D2<br>h6 | L2    | L1  | R1 | R2 | Z | Artikel-Nr./<br>Article-No. | BLANK | VAROCON |
|------|----------|-------|-----|----|----|---|-----------------------------|-------|---------|
| 2,00 | 8,00     | 24,56 | 70  | 1  | 95 | 4 | FCC.020...                  | .09   | .00     |
| 4,00 | 12,00    | 28,23 | 83  | 2  | 90 | 4 | FCC.040...                  | .09   | .00     |
| 6,00 | 16,00    | 30,29 | 105 | 3  | 80 | 4 | FCC.060...                  | .09   | .00     |

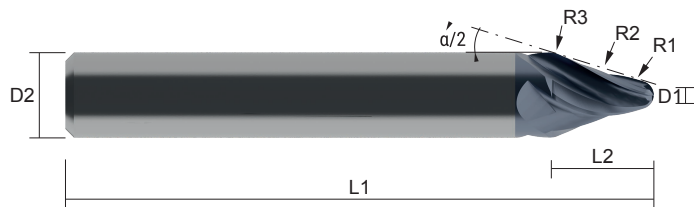
## VHM-Bogensegmentfräser CSC

Solid carbide curve mill CSC

1<sup>ST</sup> CHOICE

Artikel-Nr. FCD...

TYP W-H 4 R  $\pm 0,010$  HA Norm BLANK  
VRC HP CSC UNIVERSAL xyz

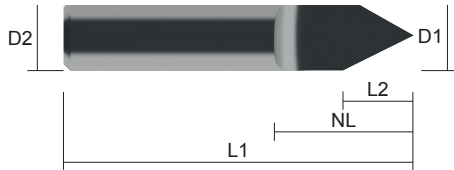


| D1   | D2<br>h6 | L2    | L1  | a/2 | R1 | R2    | R3 | Z | Artikel-Nr./<br>Article-No. | BLANK | VAROCON |
|------|----------|-------|-----|-----|----|-------|----|---|-----------------------------|-------|---------|
| 2,00 | 8,00     | 10,22 | 75  | 18° | 1  | 300   | 1  | 4 | FCD.020...                  | .09   | .00     |
| 4,00 | 12,00    | 14,30 | 100 | 18° | 2  | 450   | 2  | 4 | FCD.040...                  | .09   | .00     |
| 6,00 | 16,00    | 18,38 | 120 | 18° | 3  | 1,200 | 3  | 4 | FCD.060...                  | .09   | .00     |
| 6,00 | 16,00    | 12,39 | 120 | 28° | 3  | 800   | 3  | 4 | FCD.061...                  | .09   | .00     |
| 8,00 | 16,00    | 16,30 | 120 | 18° | 4  | 1,200 | 4  | 4 | FCD.080...                  | .09   | .00     |
| 8,00 | 16,00    | 11,51 | 120 | 28° | 4  | 800   | 4  | 4 | FCD.081...                  | .09   | .00     |

## VHM-Gravierfräser

Solid carbide engraving mill

Artikel-Nr. GDZ...

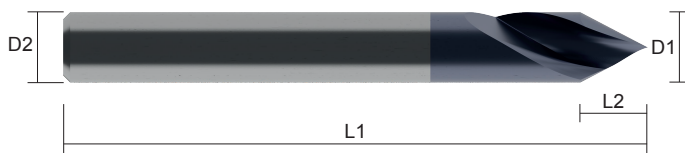


| Spitzenwinkel<br>Point angle | D1    | D2<br>h6 | L2   | L1 | NL    | Z | Artikel-Nr./<br>Article-No. |
|------------------------------|-------|----------|------|----|-------|---|-----------------------------|
| 60°                          | 2,00  | 2,00     | 1,7  | 50 | 3,00  | 1 | GDZ.020.60                  |
| 90°                          | 2,00  | 2,00     | 1,0  | 50 | 3,00  | 1 | GDZ.020.90                  |
| 60°                          | 2,50  | 2,50     | 2,2  | 50 | 4,00  | 1 | GDZ.025.60                  |
| 90°                          | 2,50  | 2,50     | 1,3  | 50 | 4,00  | 1 | GDZ.025.90                  |
| 60°                          | 3,00  | 3,00     | 2,6  | 50 | 4,50  | 1 | GDZ.030.60                  |
| 90°                          | 3,00  | 3,00     | 1,5  | 50 | 4,50  | 1 | GDZ.030.90                  |
| 60°                          | 4,00  | 4,00     | 3,5  | 50 | 6,00  | 1 | GDZ.040.60                  |
| 90°                          | 4,00  | 4,00     | 2,0  | 50 | 6,00  | 1 | GDZ.040.90                  |
| 60°                          | 5,00  | 5,00     | 4,3  | 50 | 7,50  | 1 | GDZ.050.60                  |
| 90°                          | 5,00  | 5,00     | 2,5  | 50 | 7,50  | 1 | GDZ.050.90                  |
| 60°                          | 6,00  | 6,00     | 5,2  | 50 | 9,00  | 1 | GDZ.060.60                  |
| 90°                          | 6,00  | 6,00     | 3,0  | 50 | 9,00  | 1 | GDZ.060.90                  |
| 60°                          | 8,00  | 8,00     | 6,9  | 50 | 12,00 | 1 | GDZ.080.60                  |
| 90°                          | 8,00  | 8,00     | 4,0  | 50 | 12,00 | 1 | GDZ.080.90                  |
| 60°                          | 10,00 | 10,00    | 8,7  | 60 | 15,00 | 1 | GDZ.100.60                  |
| 90°                          | 10,00 | 10,00    | 5,0  | 60 | 15,00 | 1 | GDZ.100.90                  |
| 60°                          | 12,00 | 12,00    | 10,4 | 60 | 18,00 | 1 | GDZ.120.60                  |
| 90°                          | 12,00 | 12,00    | 6,0  | 60 | 18,00 | 1 | GDZ.120.90                  |

## VHM-Gravierfräser 60°

Solid carbide engraving mill 60°

Artikel-Nr. GDE...

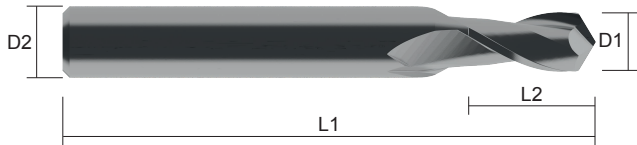


| D1   | D2<br>h6 | L2  | L1 | Z | Artikel-Nr./<br>Article-No. |
|------|----------|-----|----|---|-----------------------------|
| 3,00 | 3,00     | 2,6 | 40 | 1 | GDE.030.00                  |
| 4,00 | 4,00     | 3,5 | 40 | 1 | GDE.040.00                  |
| 6,00 | 6,00     | 5,2 | 50 | 1 | GDE.060.00                  |

## VHM-Multifunktionswerkzeug 120°

Solid carbide multi-tool 120°

Artikel-Nr. FAB...

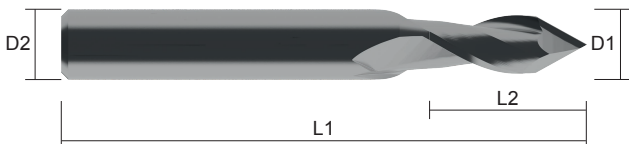


| D1<br>h9 | D2<br>h6 | L2    | L1 | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|-------|----|---|-----------------------------|
| 3,00     | 4,00     | 7,00  | 50 | 2 | FAB.030.09                  |
| 5,00     | 6,00     | 11,50 | 50 | 2 | FAB.050.09                  |
| 6,00     | 8,00     | 14,00 | 58 | 2 | FAB.060.09                  |
| 10,00    | 12,00    | 21,00 | 90 | 2 | FAB.100.09                  |

## VHM-Multifunktionswerkzeug 60°

Solid carbide multi-tool 60°

Artikel-Nr. FFZ...

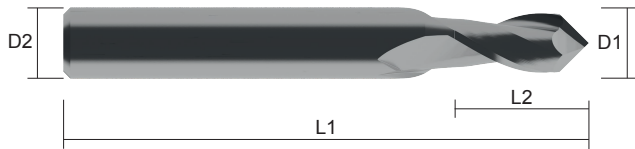


| D1<br>h9 | D2<br>h6 | L2    | L1 | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|-------|----|---|-----------------------------|
| 3,00     | 4,00     | 9,00  | 50 | 2 | FFZ.030.09                  |
| 4,00     | 5,00     | 11,50 | 50 | 2 | FFZ.040.09                  |
| 5,00     | 6,00     | 14,50 | 50 | 2 | FFZ.050.09                  |
| 6,00     | 8,00     | 17,50 | 58 | 2 | FFZ.060.09                  |
| 8,00     | 10,00    | 23,00 | 72 | 2 | FFZ.080.09                  |
| 10,00    | 12,00    | 27,00 | 90 | 2 | FFZ.100.09                  |
| 12,00    | 12,00    | 30,50 | 90 | 2 | FFZ.120.09                  |

## VHM-Multifunktionswerkzeug 90°

Solid carbide multi-tool 90°

Artikel-Nr. FIZ...

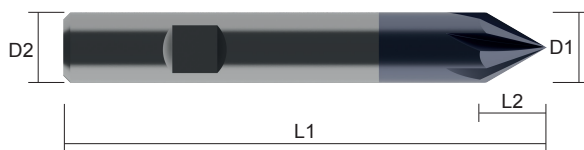


| D1<br>h9 | D2<br>h6 | L2    | L1  | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|-------|-----|---|-----------------------------|
| 3,00     | 4,00     | 7,50  | 50  | 2 | FIZ.030.09                  |
| 4,00     | 5,00     | 10,00 | 50  | 2 | FIZ.040.09                  |
| 5,00     | 6,00     | 12,50 | 50  | 2 | FIZ.050.09                  |
| 6,00     | 8,00     | 15,00 | 58  | 2 | FIZ.060.09                  |
| 8,00     | 10,00    | 20,00 | 72  | 2 | FIZ.080.09                  |
| 10,00    | 12,00    | 23,00 | 90  | 2 | FIZ.100.09                  |
| 12,00    | 12,00    | 26,00 | 90  | 2 | FIZ.120.09                  |
| 16,00    | 16,00    | 34,00 | 92  | 2 | FIZ.160.09                  |
| 20,00    | 20,00    | 42,00 | 100 | 2 | FIZ.200.09                  |

## VHM-Entgrater 60°

Solid carbide deburring tool 60°

Artikel-Nr. GFZ...

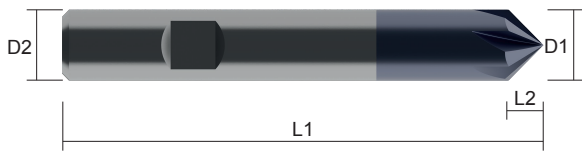


| D1    | D2<br>h6 | L2   | L1  | Z | Artikel-Nr./<br>Article-No. | BLANK | TIALN |
|-------|----------|------|-----|---|-----------------------------|-------|-------|
| 4,00  | 4,00     | 3,5  | 54  | 4 | GFZ.040...                  | .09   | .00   |
| 6,00  | 6,00     | 5,2  | 57  | 4 | GFZ.060...                  | .09   | .00   |
| 8,00  | 8,00     | 6,9  | 63  | 5 | GFZ.080...                  | .09   | .00   |
| 10,00 | 10,00    | 8,7  | 72  | 6 | GFZ.100...                  | .09   | .00   |
| 12,00 | 12,00    | 10,4 | 83  | 6 | GFZ.120...                  | .09   | .00   |
| 16,00 | 16,00    | 13,9 | 92  | 6 | GFZ.160...                  | .09   | .00   |
| 20,00 | 20,00    | 17,3 | 104 | 6 | GFZ.200...                  | .09   | .00   |

## VHM-Entgrater 90°

Solid carbide deburring tool 60°

Artikel-Nr. GIZ...

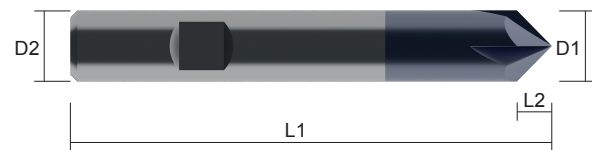


| D1    | D2<br>h6 | L2   | L1  | Z | Artikel-Nr./<br>Article-No. | BLANK | TIALN |
|-------|----------|------|-----|---|-----------------------------|-------|-------|
| 1,00  | 3,00     | 0,5  | 38  | 3 | GIZ.010...                  | .09   | .00   |
| 2,00  | 3,00     | 1,0  | 38  | 3 | GIZ.020...                  | .09   | .00   |
| 3,00  | 3,00     | 1,5  | 38  | 4 | GIZ.030...                  | .09   | .00   |
| 4,00  | 4,00     | 2,0  | 54  | 4 | GIZ.040...                  | .09   | .00   |
| 6,00  | 6,00     | 3,0  | 57  | 4 | GIZ.060...                  | .09   | .00   |
| 8,00  | 8,00     | 4,0  | 63  | 5 | GIZ.080...                  | .09   | .00   |
| 10,00 | 10,00    | 5,0  | 72  | 6 | GIZ.100...                  | .09   | .00   |
| 12,00 | 12,00    | 6,0  | 83  | 6 | GIZ.120...                  | .09   | .00   |
| 16,00 | 16,00    | 8,0  | 92  | 6 | GIZ.160...                  | .09   | .00   |
| 20,00 | 20,00    | 10,0 | 104 | 6 | GIZ.200...                  | .09   | .00   |

## VHM-Entgrater UNI 90°

Solid carbide deburring tool UNI 90°

Artikel-Nr. GI5...



| D1    | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. |
|-------|----------|----|-----|---|-----------------------------|
| 4,00  | 4,00     | 2  | 54  | 4 | GI5.040.10                  |
| 6,00  | 6,00     | 3  | 57  | 4 | GI5.060.10                  |
| 8,00  | 8,00     | 4  | 63  | 4 | GI5.080.10                  |
| 10,00 | 10,00    | 5  | 72  | 4 | GI5.100.10                  |
| 12,00 | 12,00    | 6  | 83  | 4 | GI5.120.10                  |
| 16,00 | 16,00    | 8  | 92  | 4 | GI5.160.10                  |
| 20,00 | 20,00    | 10 | 104 | 6 | GI5.200.10                  |

## VHM-Entgrater 90°

Solid carbide deburring tool 90°

Artikel-Nr. IZC...

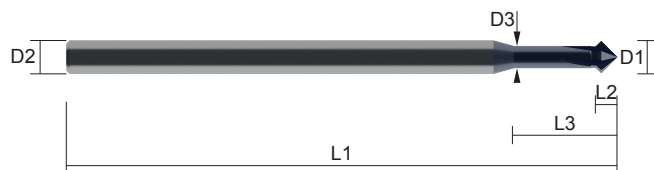


| D1   | D2<br>h6 | DS   | L2   | L1 | Z | Artikel-Nr./<br>Article-No. |
|------|----------|------|------|----|---|-----------------------------|
| 3,00 | 3,00     | 1,00 | 1,00 | 50 | 5 | IZC.030.00                  |
| 4,00 | 4,00     | 1,50 | 1,25 | 50 | 6 | IZC.040.00                  |
| 6,00 | 6,00     | 2,00 | 2,00 | 50 | 6 | IZC.060.00                  |

## VHM-Entgrater 90° vor- und rückwärts

Solid carbide deburring tool 90° for- and backward

Artikel-Nr. IZZ...

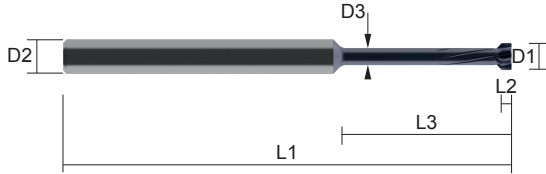


| D1    | D2<br>h6 | DS   | L2   | L1  | D3   | L3 | Z | Artikel-Nr./<br>Article-No. |
|-------|----------|------|------|-----|------|----|---|-----------------------------|
| 2,00  | 6,00     | -    | 1,40 | 100 | 1,20 | 10 | 3 | IZZ.020.00                  |
| 3,00  | 6,00     | -    | 2,00 | 100 | 2,00 | 10 | 4 | IZZ.030.00                  |
| 4,00  | 6,00     | -    | 3,00 | 100 | 2,00 | 13 | 4 | IZZ.040.00                  |
| 6,00  | 6,00     | -    | 4,00 | 100 | 4,00 | 19 | 4 | IZZ.060.00                  |
| 8,00  | 6,00     | 3,60 | 3,20 | 100 | -    | -  | 4 | IZZ.080.00                  |
| 10,00 | 6,00     | 5,40 | 4,30 | 100 | -    | -  | 4 | IZZ.100.00                  |
| 12,00 | 6,00     | 7,40 | 4,60 | 100 | -    | -  | 4 | IZZ.120.00                  |
| 16,00 | 10,00    | 6,00 | 8,00 | 100 | -    | -  | 4 | IZZ.160.00                  |

## VHM-Entgrater 90° rückwärts

Solid carbide deburring tool 90° backward

Artikel-Nr. IZD...

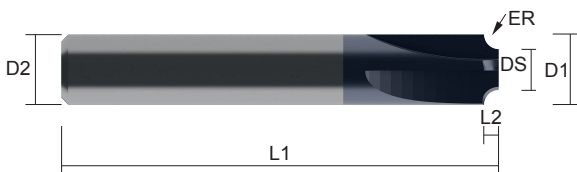


| D1   | D2<br>h6 | L2   | L1 | D3   | L3 | Z | Artikel-Nr./<br>Article-No. |
|------|----------|------|----|------|----|---|-----------------------------|
| 0,46 | 3,00     | 0,48 | 50 | 0,30 | 3  | 3 | IZD.046.00                  |
| 0,90 | 4,00     | 1,00 | 60 | 0,60 | 6  | 4 | IZD.090.00                  |
| 1,40 | 4,00     | 1,33 | 60 | 0,95 | 9  | 4 | IZD.140.00                  |
| 2,90 | 4,00     | 1,90 | 70 | 2,10 | 18 | 5 | IZD.290.00                  |
| 3,70 | 4,00     | 2,50 | 70 | 2,70 | 24 | 5 | IZD.370.00                  |
| 4,70 | 6,00     | 2,70 | 80 | 3,30 | 30 | 6 | IZD.470.00                  |

## VHM-Viertelkreisfräser

Solid carbide corner rounding mill

Artikel-Nr. GHZ...

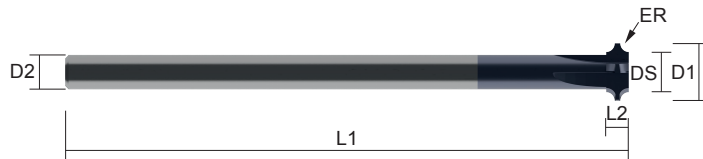


| ER    | D1<br>h9 | D2<br>h6 | DS    | L2   | L1  | Z | Artikel-Nr./<br>Article-No. | BLANK | TIALN |
|-------|----------|----------|-------|------|-----|---|-----------------------------|-------|-------|
| 0,20  | 6,00     | 6,00     | 5,60  | 0,2  | 57  | 4 | GHZ.002.00                  | .09   | .00   |
| 0,30  | 6,00     | 6,00     | 5,40  | 0,3  | 57  | 4 | GHZ.003.00                  | .09   | .00   |
| 0,50  | 8,00     | 8,00     | 7,00  | 0,5  | 70  | 4 | GHZ.005.00                  | .09   | .00   |
| 1,00  | 8,00     | 8,00     | 6,00  | 1,0  | 70  | 4 | GHZ.010.00                  | .09   | .00   |
| 1,50  | 10,00    | 10,00    | 7,00  | 1,5  | 75  | 4 | GHZ.015.00                  | .09   | .00   |
| 2,00  | 10,00    | 10,00    | 6,00  | 2,0  | 75  | 4 | GHZ.020.00                  | .09   | .00   |
| 2,50  | 12,00    | 12,00    | 7,00  | 2,5  | 75  | 4 | GHZ.025.00                  | .09   | .00   |
| 3,00  | 12,00    | 12,00    | 6,00  | 3,0  | 75  | 4 | GHZ.030.00                  | .09   | .00   |
| 3,50  | 16,00    | 16,00    | 9,00  | 3,5  | 80  | 4 | GHZ.035.00                  | .09   | .00   |
| 4,00  | 16,00    | 16,00    | 8,00  | 4,0  | 80  | 4 | GHZ.040.00                  | .09   | .00   |
| 4,50  | 16,00    | 16,00    | 7,00  | 4,5  | 80  | 4 | GHZ.045.00                  | .09   | .00   |
| 5,00  | 20,00    | 20,00    | 10,00 | 5,0  | 80  | 4 | GHZ.050.00                  | .09   | .00   |
| 6,00  | 20,00    | 20,00    | 8,00  | 6,0  | 80  | 4 | GHZ.060.00                  | .09   | .00   |
| 8,00  | 25,00    | 25,00    | 9,00  | 8,0  | 100 | 4 | GHZ.080.00                  | .09   | .00   |
| 10,00 | 25,00    | 25,00    | 5,00  | 10,0 | 100 | 4 | GHZ.100.00                  | .09   | .00   |

# VHM-Viertelkreisfräser vor- und rückwärts

Solid carbide corner rounding mill back and forth

Artikel-Nr. IZA...

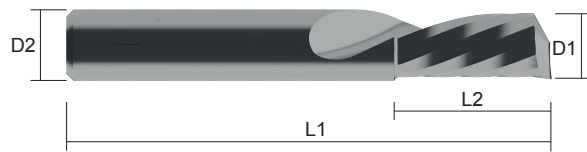


| D1    | D2<br>h6 | DS   | L2 | L1  | ER   | Z | Artikel-Nr./<br>Article-No. |
|-------|----------|------|----|-----|------|---|-----------------------------|
| 8,00  | 6,00     | 7,60 | 3  | 100 | 0,20 | 4 | IZA.080.00                  |
| 8,00  | 6,00     | 7,40 | 3  | 100 | 0,30 | 4 | IZA.081.00                  |
| 8,00  | 6,00     | 7,20 | 3  | 100 | 0,40 | 4 | IZA.082.00                  |
| 8,00  | 6,00     | 7,00 | 3  | 100 | 0,50 | 4 | IZA.083.00                  |
| 10,00 | 6,00     | 8,40 | 4  | 100 | 0,80 | 4 | IZA.084.00                  |
| 10,00 | 6,00     | 8,00 | 4  | 100 | 1,00 | 4 | IZA.085.00                  |
| 10,00 | 6,00     | 7,60 | 4  | 100 | 1,20 | 4 | IZA.086.00                  |
| 10,00 | 6,00     | 7,00 | 4  | 100 | 1,50 | 4 | IZA.087.00                  |

# VHM-Einzahnfräser

Solid carbide single tooth mill

Artikel-Nr. EZ.Z...

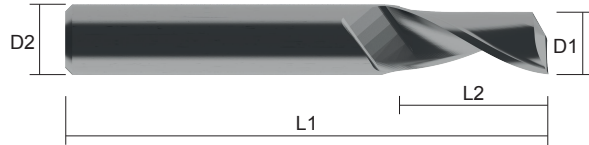


| D1<br>h10 | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. |
|-----------|----------|----|-----|---|-----------------------------|
| 1,50      | 3,00     | 6  | 40  | 1 | EZ.Z50640.09                |
| 2,00      | 3,00     | 6  | 40  | 1 | EZ.Z20640.09                |
| 2,00      | 2,00     | 10 | 40  | 1 | EZ.Z21040.09                |
| 2,00      | 6,00     | 10 | 60  | 1 | EZ.Z21060.09                |
| 2,50      | 2,50     | 6  | 40  | 1 | EZ.Z50640.09                |
| 3,00      | 6,00     | 10 | 60  | 1 | EZ.Z31060.09                |
| 3,00      | 3,00     | 12 | 40  | 1 | EZ.Z31240.09                |
| 3,00      | 6,00     | 12 | 60  | 1 | EZ.Z31260.09                |
| 3,00      | 6,00     | 15 | 60  | 1 | EZ.Z31560.09                |
| 4,00      | 4,00     | 15 | 40  | 1 | EZ.Z41540.09                |
| 4,00      | 6,00     | 15 | 60  | 1 | EZ.Z41560.09                |
| 5,00      | 6,00     | 16 | 60  | 1 | EZ.Z51660.09                |
| 6,00      | 6,00     | 20 | 60  | 1 | EZ.Z62060.09                |
| 6,00      | 6,00     | 30 | 60  | 1 | EZ.Z63060.09                |
| 6,00      | 6,00     | 35 | 75  | 1 | EZ.Z63575.09                |
| 8,00      | 8,00     | 22 | 63  | 1 | EZ.Z82263.09                |
| 10,00     | 10,00    | 25 | 72  | 1 | EZ.Z02572.09                |
| 12,00     | 12,00    | 30 | 83  | 1 | EZ.Z123083.09               |
| 14,00     | 14,00    | 30 | 83  | 1 | EZ.Z143083.09               |
| 16,00     | 16,00    | 35 | 92  | 1 | EZ.Z163592.09               |
| 20,00     | 20,00    | 40 | 104 | 1 | EZ.Z204010.09               |

# VHM-Einzahnfräser

Solid carbide single tooth mill

Artikel-Nr. DI.Z...

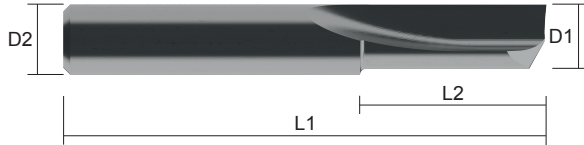


| D1<br>h10 | D2<br>h6 | L2 | L1 | Z | Artikel-Nr./<br>Article-No. |
|-----------|----------|----|----|---|-----------------------------|
| 1,50      | 3,00     | 6  | 40 | 1 | DI.Z50640.09                |
| 2,00      | 6,00     | 6  | 50 | 1 | DI.Z20650.09                |
| 2,00      | 3,00     | 8  | 40 | 1 | DI.Z20840.09                |
| 2,00      | 2,00     | 10 | 40 | 1 | DI.Z21040.09                |
| 2,50      | 6,00     | 8  | 50 | 1 | DI.Z50850.09                |
| 3,00      | 3,00     | 10 | 40 | 1 | DI.Z31040.09                |
| 3,00      | 6,00     | 10 | 50 | 1 | DI.Z31050.09                |
| 3,50      | 6,00     | 10 | 50 | 1 | DI.Z51050.09                |
| 4,00      | 4,00     | 12 | 50 | 1 | DI.Z41250.09                |
| 4,00      | 6,00     | 12 | 50 | 1 | DI.Z41251.09                |
| 4,50      | 6,00     | 12 | 50 | 1 | DI.Z51250.09                |
| 5,00      | 5,00     | 14 | 50 | 1 | DI.Z51450.09                |
| 5,00      | 6,00     | 14 | 50 | 1 | DI.Z51451.09                |
| 5,50      | 6,00     | 14 | 50 | 1 | DI.Z51450.09                |
| 6,00      | 6,00     | 14 | 50 | 1 | DI.Z61450.09                |
| 6,00      | 6,00     | 20 | 60 | 1 | DI.Z62060.09                |
| 6,00      | 6,00     | 35 | 75 | 1 | DI.Z63575.09                |
| 8,00      | 8,00     | 25 | 63 | 1 | DI.Z82563.09                |
| 10,00     | 10,00    | 25 | 72 | 1 | DI.Z02572.09                |
| 12,00     | 12,00    | 25 | 83 | 1 | DI.Z22583.09                |

# VHM-Einzahnfräser

Solid carbide single tooth mill

Artikel-Nr. DH.Z...

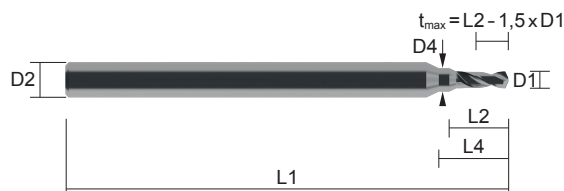


| D1<br>h10 | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. |
|-----------|----------|----|-----|---|-----------------------------|
| 1,50      | 3,00     | 6  | 40  | 1 | DH.Z50640.09                |
| 2,00      | 3,00     | 6  | 40  | 1 | DH.Z20640.09                |
| 2,00      | 6,00     | 10 | 60  | 1 | DH.Z21060.09                |
| 3,00      | 3,00     | 12 | 40  | 1 | DH.Z31240.09                |
| 3,00      | 6,00     | 15 | 60  | 1 | DH.Z31560.09                |
| 4,00      | 6,00     | 15 | 60  | 1 | DH.Z41560.09                |
| 5,00      | 6,00     | 16 | 60  | 1 | DH.Z51660.09                |
| 6,00      | 6,00     | 20 | 60  | 1 | DH.Z62060.09                |
| 6,00      | 6,00     | 30 | 60  | 1 | DH.Z63060.09                |
| 6,00      | 6,00     | 35 | 75  | 1 | DH.Z63575.09                |
| 8,00      | 8,00     | 22 | 63  | 1 | DH.Z82263.09                |
| 8,00      | 8,00     | 40 | 100 | 1 | DH.Z84010.09                |
| 10,00     | 10,00    | 25 | 72  | 1 | DH.Z02572.09                |
| 12,00     | 12,00    | 30 | 83  | 1 | DH.Z23083.09                |

# VHM-Micro-Spiralbohrer 3xD

Solid carbide micro drill 3xD

Artikel-Nr. EZF...



| D1<br>h5 | D2<br>h6 | L2   | L1 | D4   | L4 | Artikel-Nr./<br>Article-No. |
|----------|----------|------|----|------|----|-----------------------------|
| 0,10     | 3,00     | 0,30 | 38 | 1,00 | 3  | EZF.010.09                  |
| 0,15     | 3,00     | 0,45 | 38 | 1,00 | 3  | EZF.015.09                  |
| 0,20     | 3,00     | 0,60 | 38 | 1,00 | 3  | EZF.020.09                  |
| 0,25     | 3,00     | 0,75 | 38 | 1,00 | 3  | EZF.025.09                  |
| 0,30     | 3,00     | 0,90 | 38 | 1,00 | 3  | EZF.030.09                  |
| 0,35     | 3,00     | 1,05 | 38 | 1,00 | 3  | EZF.035.09                  |
| 0,40     | 3,00     | 1,20 | 38 | 1,00 | 3  | EZF.040.09                  |
| 0,45     | 3,00     | 1,35 | 38 | 1,00 | 3  | EZF.045.09                  |
| 0,50     | 3,00     | 1,50 | 38 | 1,50 | 6  | EZF.050.09                  |
| 0,55     | 3,00     | 1,80 | 38 | 1,50 | 6  | EZF.055.09                  |
| 0,60     | 3,00     | 1,80 | 38 | 1,50 | 6  | EZF.060.09                  |
| 0,65     | 3,00     | 2,10 | 38 | 1,50 | 6  | EZF.065.09                  |
| 0,70     | 3,00     | 2,10 | 38 | 1,50 | 6  | EZF.070.09                  |
| 0,75     | 3,00     | 2,40 | 38 | 1,50 | 6  | EZF.075.09                  |
| 0,80     | 3,00     | 2,40 | 38 | 1,50 | 6  | EZF.080.09                  |
| 0,85     | 3,00     | 2,70 | 38 | 1,50 | 6  | EZF.085.09                  |
| 0,90     | 3,00     | 2,70 | 38 | 1,50 | 6  | EZF.090.09                  |
| 0,95     | 3,00     | 3,00 | 38 | 1,50 | 6  | EZF.095.09                  |
| 1,00     | 3,00     | 3,00 | 38 | 2,00 | 6  | EZF.100.09                  |
| 1,05     | 3,00     | 3,30 | 38 | 2,00 | 6  | EZF.105.09                  |
| 1,10     | 3,00     | 3,30 | 38 | 2,00 | 6  | EZF.110.09                  |
| 1,15     | 3,00     | 3,60 | 38 | 2,00 | 6  | EZF.115.09                  |
| 1,20     | 3,00     | 3,60 | 38 | 2,00 | 6  | EZF.120.09                  |
| 1,25     | 3,00     | 3,90 | 38 | 2,00 | 6  | EZF.125.09                  |
| 1,30     | 3,00     | 3,90 | 38 | 2,00 | 6  | EZF.130.09                  |
| 1,35     | 3,00     | 4,20 | 38 | 2,00 | 6  | EZF.135.09                  |
| 1,40     | 3,00     | 4,20 | 38 | 2,00 | 6  | EZF.140.09                  |
| 1,45     | 3,00     | 4,50 | 38 | 2,00 | 6  | EZF.145.09                  |
| 1,50     | 3,00     | 4,50 | 38 | -    | -  | EZF.150.09                  |
| 1,55     | 3,00     | 4,80 | 38 | -    | -  | EZF.155.09                  |
| 1,60     | 3,00     | 4,80 | 38 | -    | -  | EZF.160.09                  |
| 1,65     | 3,00     | 5,10 | 38 | -    | -  | EZF.165.09                  |
| 1,70     | 3,00     | 5,10 | 38 | -    | -  | EZF.170.09                  |
| 1,75     | 3,00     | 5,40 | 38 | -    | -  | EZF.175.09                  |
| 1,80     | 3,00     | 5,40 | 38 | -    | -  | EZF.180.09                  |
| 1,85     | 3,00     | 5,70 | 38 | -    | -  | EZF.185.09                  |
| 1,90     | 3,00     | 5,70 | 38 | -    | -  | EZF.190.09                  |
| 1,95     | 3,00     | 6,00 | 38 | -    | -  | EZF.195.09                  |
| 2,00     | 3,00     | 6,00 | 38 | -    | -  | EZF.200.09                  |
| 2,05     | 3,00     | 6,30 | 38 | -    | -  | EZF.205.09                  |

# VHM-Micro-Spiralbohrer 3xD

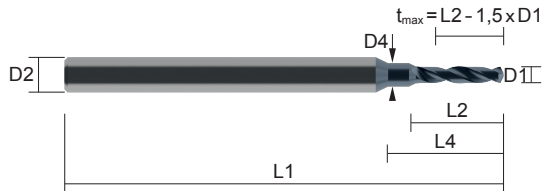
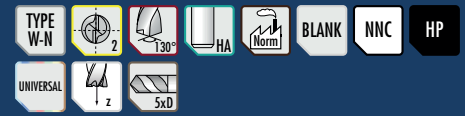
Solid carbide micro drill 3xD

| Artikel-Nr. EZF... |          |      |    |    |    |                             |
|--------------------|----------|------|----|----|----|-----------------------------|
|                    |          |      |    |    |    |                             |
| D1<br>h5           | D2<br>h6 | L2   | L1 | D4 | L4 | Artikel-Nr./<br>Article-No. |
| 2,10               | 3,00     | 6,30 | 38 | -  | -  | EZF.210.09                  |
| 2,15               | 3,00     | 6,60 | 38 | -  | -  | EZF.215.09                  |
| 2,20               | 3,00     | 6,60 | 38 | -  | -  | EZF.220.09                  |
| 2,25               | 3,00     | 6,90 | 38 | -  | -  | EZF.225.09                  |
| 2,30               | 3,00     | 6,90 | 38 | -  | -  | EZF.230.09                  |
| 2,35               | 3,00     | 7,20 | 38 | -  | -  | EZF.235.09                  |
| 2,40               | 3,00     | 7,20 | 38 | -  | -  | EZF.240.09                  |
| 2,45               | 3,00     | 7,50 | 38 | -  | -  | EZF.245.09                  |
| 2,50               | 3,00     | 7,50 | 38 | -  | -  | EZF.250.09                  |
| 2,55               | 3,00     | 7,80 | 38 | -  | -  | EZF.255.09                  |
| 2,60               | 3,00     | 7,80 | 38 | -  | -  | EZF.260.09                  |
| 2,65               | 3,00     | 8,10 | 38 | -  | -  | EZF.265.09                  |
| 2,70               | 3,00     | 8,10 | 38 | -  | -  | EZF.270.09                  |
| 2,75               | 3,00     | 8,40 | 38 | -  | -  | EZF.275.09                  |
| 2,80               | 3,00     | 8,40 | 38 | -  | -  | EZF.280.09                  |
| 2,85               | 3,00     | 8,70 | 38 | -  | -  | EZF.285.09                  |
| 2,90               | 3,00     | 8,70 | 38 | -  | -  | EZF.290.09                  |
| 2,95               | 3,00     | 9,00 | 38 | -  | -  | EZF.295.09                  |
| 3,00               | 3,00     | 9,00 | 38 | -  | -  | EZF.300.09                  |

# VHM-Micro-Spiralbohrer 5xD

Solid carbide micro drill 5xD

Artikel-Nr. EZG...



| D1<br>h5 | D2   | L2   | L1 | D4   | L4 | Artikel-Nr./<br>Article-No. | BLANK | NANOSIT |
|----------|------|------|----|------|----|-----------------------------|-------|---------|
| 0,10     | 3,00 | 0,50 | 38 | 1,00 | 5  | EZG.010...                  | .09   | .00     |
| 0,11     | 3,00 | 0,60 | 38 | 1,00 | 5  | EZG.011...                  | .09   | -       |
| 0,12     | 3,00 | 0,60 | 38 | 1,00 | 5  | EZG.012...                  | .09   | -       |
| 0,13     | 3,00 | 0,70 | 38 | 1,00 | 5  | EZG.013...                  | .09   | -       |
| 0,14     | 3,00 | 0,70 | 38 | 1,00 | 5  | EZG.014...                  | .09   | -       |
| 0,15     | 3,00 | 0,80 | 38 | 1,00 | 5  | EZG.015...                  | .09   | .00     |
| 0,16     | 3,00 | 0,80 | 38 | 1,00 | 5  | EZG.016...                  | .09   | -       |
| 0,17     | 3,00 | 0,90 | 38 | 1,00 | 5  | EZG.017...                  | .09   | -       |
| 0,18     | 3,00 | 0,90 | 38 | 1,00 | 5  | EZG.018...                  | .09   | -       |
| 0,19     | 3,00 | 1,00 | 38 | 1,00 | 5  | EZG.019...                  | .09   | -       |
| 0,20     | 3,00 | 1,00 | 38 | 1,00 | 5  | EZG.020...                  | .09   | .00     |
| 0,21     | 3,00 | 1,25 | 38 | 1,00 | 5  | EZG.021...                  | .09   | -       |
| 0,22     | 3,00 | 1,25 | 38 | 1,00 | 5  | EZG.022...                  | .09   | -       |
| 0,23     | 3,00 | 1,25 | 38 | 1,00 | 5  | EZG.023...                  | .09   | -       |
| 0,24     | 3,00 | 1,25 | 38 | 1,00 | 5  | EZG.024...                  | .09   | -       |
| 0,25     | 3,00 | 1,25 | 38 | 1,00 | 5  | EZG.025...                  | .09   | .00     |
| 0,26     | 3,00 | 1,50 | 38 | 1,00 | 5  | EZG.026...                  | .09   | -       |
| 0,27     | 3,00 | 1,50 | 38 | 1,00 | 5  | EZG.027...                  | .09   | -       |
| 0,28     | 3,00 | 1,50 | 38 | 1,00 | 5  | EZG.028...                  | .09   | -       |
| 0,29     | 3,00 | 1,50 | 38 | 1,00 | 5  | EZG.029...                  | .09   | -       |
| 0,30     | 3,00 | 1,50 | 38 | 1,00 | 5  | EZG.030...                  | .09   | .00     |
| 0,31     | 3,00 | 1,75 | 38 | 1,00 | 5  | EZG.031...                  | .09   | -       |
| 0,32     | 3,00 | 1,75 | 38 | 1,00 | 5  | EZG.032...                  | .09   | -       |
| 0,33     | 3,00 | 1,75 | 38 | 1,00 | 5  | EZG.033...                  | .09   | -       |
| 0,34     | 3,00 | 1,75 | 38 | 1,00 | 5  | EZG.034...                  | .09   | -       |
| 0,35     | 3,00 | 1,75 | 38 | 1,00 | 5  | EZG.035...                  | .09   | .00     |
| 0,36     | 3,00 | 2,00 | 38 | 1,00 | 5  | EZG.036...                  | .09   | -       |
| 0,37     | 3,00 | 2,00 | 38 | 1,00 | 5  | EZG.037...                  | .09   | -       |
| 0,38     | 3,00 | 2,00 | 38 | 1,00 | 5  | EZG.038...                  | .09   | -       |
| 0,39     | 3,00 | 2,00 | 38 | 1,00 | 5  | EZG.039...                  | .09   | -       |
| 0,40     | 3,00 | 2,00 | 38 | 1,00 | 5  | EZG.040...                  | .09   | .00     |
| 0,41     | 3,00 | 2,25 | 38 | 1,00 | 5  | EZG.041...                  | .09   | -       |
| 0,42     | 3,00 | 2,25 | 38 | 1,00 | 5  | EZG.042...                  | .09   | -       |
| 0,43     | 3,00 | 2,25 | 38 | 1,00 | 5  | EZG.043...                  | .09   | -       |
| 0,44     | 3,00 | 2,25 | 38 | 1,00 | 5  | EZG.044...                  | .09   | -       |
| 0,45     | 3,00 | 2,25 | 38 | 1,00 | 5  | EZG.045...                  | .09   | .00     |
| 0,46     | 3,00 | 2,50 | 38 | 1,00 | 5  | EZG.046...                  | .09   | -       |
| 0,47     | 3,00 | 2,50 | 38 | 1,00 | 5  | EZG.047...                  | .09   | -       |
| 0,48     | 3,00 | 2,50 | 38 | 1,00 | 5  | EZG.048...                  | .09   | -       |
| 0,49     | 3,00 | 2,50 | 38 | 1,00 | 5  | EZG.049...                  | .09   | -       |

# VHM-Micro-Spiralbohrer 5xD

Solid carbide micro drill 5xD

| Artikel-Nr. EZG... |      |      |    |      |    | TYPE<br>W-N                 | 2         | 130° | HA  | Norm  | BLANK   | NNC | HP |
|--------------------|------|------|----|------|----|-----------------------------|-----------|------|-----|-------|---------|-----|----|
| D1<br>h5           | D2   | L2   | L1 | D4   | L4 | Artikel-Nr./<br>Article-No. | UNIVERSAL | z    | 5xD | BLANK | NANOSIT |     |    |
| 0,50               | 3,00 | 2,50 | 38 | 1,50 | 10 | EZG.050...                  |           |      |     | .09   | .00     |     |    |
| 0,51               | 3,00 | 3,00 | 38 | 1,50 | 10 | EZG.051...                  |           |      |     | .09   | -       |     |    |
| 0,52               | 3,00 | 3,00 | 38 | 1,50 | 10 | EZG.052...                  |           |      |     | .09   | -       |     |    |
| 0,53               | 3,00 | 3,00 | 38 | 1,50 | 10 | EZG.053...                  |           |      |     | .09   | -       |     |    |
| 0,54               | 3,00 | 3,00 | 38 | 1,50 | 10 | EZG.054...                  |           |      |     | .09   | -       |     |    |
| 0,55               | 3,00 | 3,00 | 38 | 1,50 | 10 | EZG.055...                  |           |      |     | .09   | .00     |     |    |
| 0,56               | 3,00 | 3,00 | 38 | 1,50 | 10 | EZG.056...                  |           |      |     | .09   | -       |     |    |
| 0,57               | 3,00 | 3,00 | 38 | 1,50 | 10 | EZG.057...                  |           |      |     | .09   | -       |     |    |
| 0,58               | 3,00 | 3,00 | 38 | 1,50 | 10 | EZG.058...                  |           |      |     | .09   | -       |     |    |
| 0,59               | 3,00 | 3,00 | 38 | 1,50 | 10 | EZG.059...                  |           |      |     | .09   | -       |     |    |
| 0,60               | 3,00 | 3,00 | 38 | 1,50 | 10 | EZG.060...                  |           |      |     | .09   | .00     |     |    |
| 0,61               | 3,00 | 3,50 | 38 | 1,50 | 10 | EZG.061...                  |           |      |     | .09   | -       |     |    |
| 0,62               | 3,00 | 3,50 | 38 | 1,50 | 10 | EZG.062...                  |           |      |     | .09   | -       |     |    |
| 0,63               | 3,00 | 3,50 | 38 | 1,50 | 10 | EZG.063...                  |           |      |     | .09   | -       |     |    |
| 0,64               | 3,00 | 3,50 | 38 | 1,50 | 10 | EZG.064...                  |           |      |     | .09   | -       |     |    |
| 0,65               | 3,00 | 3,50 | 38 | 1,50 | 10 | EZG.065...                  |           |      |     | .09   | .00     |     |    |
| 0,66               | 3,00 | 3,50 | 38 | 1,50 | 10 | EZG.066...                  |           |      |     | .09   | -       |     |    |
| 0,67               | 3,00 | 3,50 | 38 | 1,50 | 10 | EZG.067...                  |           |      |     | .09   | -       |     |    |
| 0,68               | 3,00 | 3,50 | 38 | 1,50 | 10 | EZG.068...                  |           |      |     | .09   | -       |     |    |
| 0,69               | 3,00 | 3,50 | 38 | 1,50 | 10 | EZG.069...                  |           |      |     | .09   | -       |     |    |
| 0,70               | 3,00 | 3,50 | 38 | 1,50 | 10 | EZG.070...                  |           |      |     | .09   | .00     |     |    |
| 0,71               | 3,00 | 4,00 | 38 | 1,50 | 10 | EZG.071...                  |           |      |     | .09   | -       |     |    |
| 0,72               | 3,00 | 4,00 | 38 | 1,50 | 10 | EZG.072...                  |           |      |     | .09   | -       |     |    |
| 0,73               | 3,00 | 4,00 | 38 | 1,50 | 10 | EZG.073...                  |           |      |     | .09   | -       |     |    |
| 0,74               | 3,00 | 4,00 | 38 | 1,50 | 10 | EZG.074...                  |           |      |     | .09   | -       |     |    |
| 0,75               | 3,00 | 4,00 | 38 | 1,50 | 10 | EZG.075...                  |           |      |     | .09   | .00     |     |    |
| 0,76               | 3,00 | 4,00 | 38 | 1,50 | 10 | EZG.076...                  |           |      |     | .09   | -       |     |    |
| 0,77               | 3,00 | 4,00 | 38 | 1,50 | 10 | EZG.077...                  |           |      |     | .09   | -       |     |    |
| 0,78               | 3,00 | 4,00 | 38 | 1,50 | 10 | EZG.078...                  |           |      |     | .09   | -       |     |    |
| 0,79               | 3,00 | 4,00 | 38 | 1,50 | 10 | EZG.079...                  |           |      |     | .09   | -       |     |    |
| 0,80               | 3,00 | 4,00 | 38 | 1,50 | 10 | EZG.080...                  |           |      |     | .09   | .00     |     |    |
| 0,81               | 3,00 | 4,50 | 38 | 1,50 | 10 | EZG.081...                  |           |      |     | .09   | -       |     |    |
| 0,82               | 3,00 | 4,50 | 38 | 1,50 | 10 | EZG.082...                  |           |      |     | .09   | -       |     |    |
| 0,83               | 3,00 | 4,50 | 38 | 1,50 | 10 | EZG.083...                  |           |      |     | .09   | -       |     |    |
| 0,84               | 3,00 | 4,50 | 38 | 1,50 | 10 | EZG.084...                  |           |      |     | .09   | -       |     |    |
| 0,85               | 3,00 | 4,50 | 38 | 1,50 | 10 | EZG.085...                  |           |      |     | .09   | .00     |     |    |
| 0,86               | 3,00 | 4,50 | 38 | 1,50 | 10 | EZG.086...                  |           |      |     | .09   | -       |     |    |
| 0,87               | 3,00 | 4,50 | 38 | 1,50 | 10 | EZG.087...                  |           |      |     | .09   | -       |     |    |
| 0,88               | 3,00 | 4,50 | 38 | 1,50 | 10 | EZG.088...                  |           |      |     | .09   | -       |     |    |
| 0,89               | 3,00 | 4,50 | 38 | 1,50 | 10 | EZG.089...                  |           |      |     | .09   | -       |     |    |
| 0,90               | 3,00 | 4,50 | 38 | 1,50 | 10 | EZG.090...                  |           |      |     | .09   | .00     |     |    |
| 0,91               | 3,00 | 5,00 | 38 | 1,50 | 10 | EZG.091...                  |           |      |     | .09   | -       |     |    |
| 0,92               | 3,00 | 5,00 | 38 | 1,50 | 10 | EZG.092...                  |           |      |     | .09   | -       |     |    |
| 0,93               | 3,00 | 5,00 | 38 | 1,50 | 10 | EZG.093...                  |           |      |     | .09   | -       |     |    |
| 0,94               | 3,00 | 5,00 | 38 | 1,50 | 10 | EZG.094...                  |           |      |     | .09   | -       |     |    |
| 0,95               | 3,00 | 5,00 | 38 | 1,50 | 10 | EZG.095...                  |           |      |     | .09   | .00     |     |    |

# VHM-Micro-Spiralbohrer 5xD

Solid carbide micro drill 5xD

| Artikel-Nr. EZG... |      |      |    |      |    |                             |       |         |
|--------------------|------|------|----|------|----|-----------------------------|-------|---------|
|                    |      |      |    |      |    |                             |       |         |
| D1<br>h5           | D2   | L2   | L1 | D4   | L4 | Artikel-Nr./<br>Article-No. | BLANK | NANOSIT |
| 0,96               | 3,00 | 5,00 | 38 | 1,50 | 10 | EZG.096...                  | .09   | -       |
| 0,97               | 3,00 | 5,00 | 38 | 1,50 | 10 | EZG.097...                  | .09   | -       |
| 0,98               | 3,00 | 5,00 | 38 | 1,50 | 10 | EZG.098...                  | .09   | -       |
| 0,99               | 3,00 | 5,00 | 38 | 1,50 | 10 | EZG.099...                  | .09   | -       |
| 1,00               | 3,00 | 5,00 | 38 | 2,00 | 10 | EZG.100...                  | .09   | .00     |
| 1,01               | 3,00 | 5,50 | 38 | 2,00 | 10 | EZG.101...                  | .09   | -       |
| 1,02               | 3,00 | 5,50 | 38 | 2,00 | 10 | EZG.102...                  | .09   | -       |
| 1,03               | 3,00 | 5,50 | 38 | 2,00 | 10 | EZG.103...                  | .09   | -       |
| 1,04               | 3,00 | 5,50 | 38 | 2,00 | 10 | EZG.104...                  | .09   | -       |
| 1,05               | 3,00 | 5,50 | 38 | 2,00 | 10 | EZG.105...                  | .09   | .00     |
| 1,06               | 3,00 | 5,50 | 38 | 2,00 | 10 | EZG.106...                  | .09   | -       |
| 1,07               | 3,00 | 5,50 | 38 | 2,00 | 10 | EZG.107...                  | .09   | -       |
| 1,08               | 3,00 | 5,50 | 38 | 2,00 | 10 | EZG.108...                  | .09   | -       |
| 1,09               | 3,00 | 5,50 | 38 | 2,00 | 10 | EZG.109...                  | .09   | -       |
| 1,10               | 3,00 | 5,50 | 38 | 2,00 | 10 | EZG.110...                  | .09   | .00     |
| 1,11               | 3,00 | 6,00 | 38 | 2,00 | 10 | EZG.111...                  | .09   | -       |
| 1,12               | 3,00 | 6,00 | 38 | 2,00 | 10 | EZG.112...                  | .09   | -       |
| 1,13               | 3,00 | 6,00 | 38 | 2,00 | 10 | EZG.113...                  | .09   | -       |
| 1,14               | 3,00 | 6,00 | 38 | 2,00 | 10 | EZG.114...                  | .09   | -       |
| 1,15               | 3,00 | 6,00 | 38 | 2,00 | 10 | EZG.115...                  | .09   | .00     |
| 1,16               | 3,00 | 6,00 | 38 | 2,00 | 10 | EZG.116...                  | .09   | -       |
| 1,17               | 3,00 | 6,00 | 38 | 2,00 | 10 | EZG.117...                  | .09   | -       |
| 1,18               | 3,00 | 6,00 | 38 | 2,00 | 10 | EZG.118...                  | .09   | -       |
| 1,19               | 3,00 | 6,00 | 38 | 2,00 | 10 | EZG.119...                  | .09   | -       |
| 1,20               | 3,00 | 6,00 | 38 | 2,00 | 10 | EZG.120...                  | .09   | .00     |
| 1,21               | 3,00 | 6,50 | 38 | 2,00 | 10 | EZG.121...                  | .09   | -       |
| 1,22               | 3,00 | 6,50 | 38 | 2,00 | 10 | EZG.122...                  | .09   | -       |
| 1,23               | 3,00 | 6,50 | 38 | 2,00 | 10 | EZG.123...                  | .09   | -       |
| 1,24               | 3,00 | 6,50 | 38 | 2,00 | 10 | EZG.124...                  | .09   | -       |
| 1,25               | 3,00 | 6,50 | 38 | 2,00 | 10 | EZG.125...                  | .09   | .00     |
| 1,26               | 3,00 | 6,50 | 38 | 2,00 | 10 | EZG.126...                  | .09   | -       |
| 1,27               | 3,00 | 6,50 | 38 | 2,00 | 10 | EZG.127...                  | .09   | -       |
| 1,28               | 3,00 | 6,50 | 38 | 2,00 | 10 | EZG.128...                  | .09   | -       |
| 1,29               | 3,00 | 6,50 | 38 | 2,00 | 10 | EZG.129...                  | .09   | -       |
| 1,30               | 3,00 | 6,50 | 38 | 2,00 | 10 | EZG.130...                  | .09   | .00     |
| 1,31               | 3,00 | 7,00 | 38 | 2,00 | 10 | EZG.131...                  | .09   | -       |
| 1,32               | 3,00 | 7,00 | 38 | 2,00 | 10 | EZG.132...                  | .09   | -       |
| 1,33               | 3,00 | 7,00 | 38 | 2,00 | 10 | EZG.133...                  | .09   | -       |
| 1,34               | 3,00 | 7,00 | 38 | 2,00 | 10 | EZG.134...                  | .09   | -       |
| 1,35               | 3,00 | 7,00 | 38 | 2,00 | 10 | EZG.135...                  | .09   | .00     |
| 1,36               | 3,00 | 7,00 | 38 | 2,00 | 10 | EZG.136...                  | .09   | -       |
| 1,37               | 3,00 | 7,00 | 38 | 2,00 | 10 | EZG.137...                  | .09   | -       |
| 1,38               | 3,00 | 7,00 | 38 | 2,00 | 10 | EZG.138...                  | .09   | -       |
| 1,39               | 3,00 | 7,00 | 38 | 2,00 | 10 | EZG.139...                  | .09   | -       |
| 1,40               | 3,00 | 7,00 | 38 | 2,00 | 10 | EZG.140...                  | .09   | .00     |
| 1,41               | 3,00 | 7,50 | 38 | 2,00 | 10 | EZG.141...                  | .09   | -       |

# VHM-Micro-Spiralbohrer 5xD

Solid carbide micro drill 5xD

| Artikel-Nr. EZG... |      |      |    |      |    | TYPE<br>W-N                 |  |  | HA    | Norm    | BLANK | NNC | HP |
|--------------------|------|------|----|------|----|-----------------------------|--|--|-------|---------|-------|-----|----|
| D1                 | D2   | L2   | L1 | D4   | L4 | Artikel-Nr./<br>Article-No. |  |  | BLANK | NANOSIT |       |     |    |
| h5                 |      |      |    |      |    |                             |  |  |       |         |       |     |    |
| 1,42               | 3,00 | 7,50 | 38 | 2,00 | 10 | EZG.142...                  |  |  | .09   | -       |       |     |    |
| 1,43               | 3,00 | 7,50 | 38 | 2,00 | 10 | EZG.143...                  |  |  | .09   | -       |       |     |    |
| 1,44               | 3,00 | 7,50 | 38 | 2,00 | 10 | EZG.144...                  |  |  | .09   | -       |       |     |    |
| 1,45               | 3,00 | 7,50 | 38 | 2,00 | 10 | EZG.145...                  |  |  | .09   | .00     |       |     |    |
| 1,46               | 3,00 | 7,50 | 38 | 2,00 | 10 | EZG.146...                  |  |  | .09   | -       |       |     |    |
| 1,47               | 3,00 | 7,50 | 38 | 2,00 | 10 | EZG.147...                  |  |  | .09   | -       |       |     |    |
| 1,48               | 3,00 | 7,50 | 38 | 2,00 | 10 | EZG.148...                  |  |  | .09   | -       |       |     |    |
| 1,49               | 3,00 | 7,50 | 38 | 2,00 | 10 | EZG.149...                  |  |  | .09   | -       |       |     |    |
| 1,50               | 3,00 | 7,50 | 38 | -    | -  | EZG.150...                  |  |  | .09   | .00     |       |     |    |
| 1,51               | 3,00 | 8,00 | 38 | -    | -  | EZG.151...                  |  |  | .09   | -       |       |     |    |
| 1,52               | 3,00 | 8,00 | 38 | -    | -  | EZG.152...                  |  |  | .09   | -       |       |     |    |
| 1,53               | 3,00 | 8,00 | 38 | -    | -  | EZG.153...                  |  |  | .09   | -       |       |     |    |
| 1,54               | 3,00 | 8,00 | 38 | -    | -  | EZG.154...                  |  |  | .09   | -       |       |     |    |
| 1,55               | 3,00 | 8,00 | 38 | -    | -  | EZG.155...                  |  |  | .09   | .00     |       |     |    |
| 1,56               | 3,00 | 8,00 | 38 | -    | -  | EZG.156...                  |  |  | .09   | -       |       |     |    |
| 1,57               | 3,00 | 8,00 | 38 | -    | -  | EZG.157...                  |  |  | .09   | -       |       |     |    |
| 1,58               | 3,00 | 8,00 | 38 | -    | -  | EZG.158...                  |  |  | .09   | -       |       |     |    |
| 1,59               | 3,00 | 8,00 | 38 | -    | -  | EZG.159...                  |  |  | .09   | -       |       |     |    |
| 1,60               | 3,00 | 8,00 | 38 | -    | -  | EZG.160...                  |  |  | .09   | .00     |       |     |    |
| 1,61               | 3,00 | 8,50 | 38 | -    | -  | EZG.161...                  |  |  | .09   | -       |       |     |    |
| 1,62               | 3,00 | 8,50 | 38 | -    | -  | EZG.162...                  |  |  | .09   | -       |       |     |    |
| 1,63               | 3,00 | 8,50 | 38 | -    | -  | EZG.163...                  |  |  | .09   | -       |       |     |    |
| 1,64               | 3,00 | 8,50 | 38 | -    | -  | EZG.164...                  |  |  | .09   | -       |       |     |    |
| 1,65               | 3,00 | 8,50 | 38 | -    | -  | EZG.165...                  |  |  | .09   | .00     |       |     |    |
| 1,66               | 3,00 | 8,50 | 38 | -    | -  | EZG.166...                  |  |  | .09   | -       |       |     |    |
| 1,67               | 3,00 | 8,50 | 38 | -    | -  | EZG.167...                  |  |  | .09   | -       |       |     |    |
| 1,68               | 3,00 | 8,50 | 38 | -    | -  | EZG.168...                  |  |  | .09   | -       |       |     |    |
| 1,69               | 3,00 | 8,50 | 38 | -    | -  | EZG.169...                  |  |  | .09   | -       |       |     |    |
| 1,70               | 3,00 | 8,50 | 38 | -    | -  | EZG.170...                  |  |  | .09   | .00     |       |     |    |
| 1,71               | 3,00 | 9,00 | 38 | -    | -  | EZG.171...                  |  |  | .09   | -       |       |     |    |
| 1,72               | 3,00 | 9,00 | 38 | -    | -  | EZG.172...                  |  |  | .09   | -       |       |     |    |
| 1,73               | 3,00 | 9,00 | 38 | -    | -  | EZG.173...                  |  |  | .09   | -       |       |     |    |
| 1,74               | 3,00 | 9,00 | 38 | -    | -  | EZG.174...                  |  |  | .09   | -       |       |     |    |
| 1,75               | 3,00 | 9,00 | 38 | -    | -  | EZG.175...                  |  |  | .09   | .00     |       |     |    |
| 1,76               | 3,00 | 9,00 | 38 | -    | -  | EZG.176...                  |  |  | .09   | -       |       |     |    |
| 1,77               | 3,00 | 9,00 | 38 | -    | -  | EZG.177...                  |  |  | .09   | -       |       |     |    |
| 1,78               | 3,00 | 9,00 | 38 | -    | -  | EZG.178...                  |  |  | .09   | -       |       |     |    |
| 1,79               | 3,00 | 9,00 | 38 | -    | -  | EZG.179...                  |  |  | .09   | -       |       |     |    |
| 1,80               | 3,00 | 9,00 | 38 | -    | -  | EZG.180...                  |  |  | .09   | .00     |       |     |    |
| 1,81               | 3,00 | 9,50 | 38 | -    | -  | EZG.181...                  |  |  | .09   | -       |       |     |    |
| 1,82               | 3,00 | 9,50 | 38 | -    | -  | EZG.182...                  |  |  | .09   | -       |       |     |    |
| 1,83               | 3,00 | 9,50 | 38 | -    | -  | EZG.183...                  |  |  | .09   | -       |       |     |    |
| 1,84               | 3,00 | 9,50 | 38 | -    | -  | EZG.184...                  |  |  | .09   | -       |       |     |    |
| 1,85               | 3,00 | 9,50 | 38 | -    | -  | EZG.185...                  |  |  | .09   | .00     |       |     |    |
| 1,86               | 3,00 | 9,50 | 38 | -    | -  | EZG.186...                  |  |  | .09   | -       |       |     |    |
| 1,87               | 3,00 | 9,50 | 38 | -    | -  | EZG.187...                  |  |  | .09   | -       |       |     |    |

# VHM-Micro-Spiralbohrer 5xD

Solid carbide micro drill 5xD

| Artikel-Nr. EZG... |      |       |    |    |    |                             | TYPE<br>W-N |         |  | HA | Norm | BLANK | NNC | HP |
|--------------------|------|-------|----|----|----|-----------------------------|-------------|---------|--|----|------|-------|-----|----|
| D1<br>h5           | D2   | L2    | L1 | D4 | L4 | Artikel-Nr./<br>Article-No. | BLANK       | NANOSIT |  |    |      |       |     |    |
| 1,88               | 3,00 | 9,50  | 38 | -  | -  | EZG.188...                  | .09         | -       |  |    |      |       |     |    |
| 1,89               | 3,00 | 9,50  | 38 | -  | -  | EZG.189...                  | .09         | -       |  |    |      |       |     |    |
| 1,90               | 3,00 | 9,50  | 38 | -  | -  | EZG.190...                  | .09         | .00     |  |    |      |       |     |    |
| 1,91               | 3,00 | 10,00 | 38 | -  | -  | EZG.191...                  | .09         | -       |  |    |      |       |     |    |
| 1,92               | 3,00 | 10,00 | 38 | -  | -  | EZG.192...                  | .09         | -       |  |    |      |       |     |    |
| 1,93               | 3,00 | 10,00 | 38 | -  | -  | EZG.193...                  | .09         | -       |  |    |      |       |     |    |
| 1,94               | 3,00 | 10,00 | 38 | -  | -  | EZG.194...                  | .09         | -       |  |    |      |       |     |    |
| 1,95               | 3,00 | 10,00 | 38 | -  | -  | EZG.195...                  | .09         | .00     |  |    |      |       |     |    |
| 1,96               | 3,00 | 10,00 | 38 | -  | -  | EZG.196...                  | .09         | -       |  |    |      |       |     |    |
| 1,97               | 3,00 | 10,00 | 38 | -  | -  | EZG.197...                  | .09         | -       |  |    |      |       |     |    |
| 1,98               | 3,00 | 10,00 | 38 | -  | -  | EZG.198...                  | .09         | -       |  |    |      |       |     |    |
| 1,99               | 3,00 | 10,00 | 38 | -  | -  | EZG.199...                  | .09         | -       |  |    |      |       |     |    |
| 2,00               | 3,00 | 10,00 | 38 | -  | -  | EZG.200...                  | .09         | .00     |  |    |      |       |     |    |
| 2,01               | 3,00 | 10,50 | 38 | -  | -  | EZG.201...                  | .09         | -       |  |    |      |       |     |    |
| 2,02               | 3,00 | 10,50 | 38 | -  | -  | EZG.202...                  | .09         | -       |  |    |      |       |     |    |
| 2,03               | 3,00 | 10,50 | 38 | -  | -  | EZG.203...                  | .09         | -       |  |    |      |       |     |    |
| 2,04               | 3,00 | 10,50 | 38 | -  | -  | EZG.204...                  | .09         | -       |  |    |      |       |     |    |
| 2,05               | 3,00 | 10,50 | 38 | -  | -  | EZG.205...                  | .09         | .00     |  |    |      |       |     |    |
| 2,06               | 3,00 | 10,50 | 38 | -  | -  | EZG.206...                  | .09         | -       |  |    |      |       |     |    |
| 2,07               | 3,00 | 10,50 | 38 | -  | -  | EZG.207...                  | .09         | -       |  |    |      |       |     |    |
| 2,08               | 3,00 | 10,50 | 38 | -  | -  | EZG.208...                  | .09         | -       |  |    |      |       |     |    |
| 2,09               | 3,00 | 10,50 | 38 | -  | -  | EZG.209...                  | .09         | -       |  |    |      |       |     |    |
| 2,10               | 3,00 | 10,50 | 38 | -  | -  | EZG.210...                  | .09         | .00     |  |    |      |       |     |    |
| 2,11               | 3,00 | 11,00 | 38 | -  | -  | EZG.211...                  | .09         | -       |  |    |      |       |     |    |
| 2,12               | 3,00 | 11,00 | 38 | -  | -  | EZG.212...                  | .09         | -       |  |    |      |       |     |    |
| 2,13               | 3,00 | 11,00 | 38 | -  | -  | EZG.213...                  | .09         | -       |  |    |      |       |     |    |
| 2,14               | 3,00 | 11,00 | 38 | -  | -  | EZG.214...                  | .09         | -       |  |    |      |       |     |    |
| 2,15               | 3,00 | 11,00 | 38 | -  | -  | EZG.215...                  | .09         | .00     |  |    |      |       |     |    |
| 2,16               | 3,00 | 11,00 | 38 | -  | -  | EZG.216...                  | .09         | -       |  |    |      |       |     |    |
| 2,17               | 3,00 | 11,00 | 38 | -  | -  | EZG.217...                  | .09         | -       |  |    |      |       |     |    |
| 2,18               | 3,00 | 11,00 | 38 | -  | -  | EZG.218...                  | .09         | -       |  |    |      |       |     |    |
| 2,19               | 3,00 | 11,00 | 38 | -  | -  | EZG.219...                  | .09         | -       |  |    |      |       |     |    |
| 2,20               | 3,00 | 11,00 | 38 | -  | -  | EZG.220...                  | .09         | .00     |  |    |      |       |     |    |
| 2,21               | 3,00 | 11,50 | 38 | -  | -  | EZG.221...                  | .09         | -       |  |    |      |       |     |    |
| 2,22               | 3,00 | 11,50 | 38 | -  | -  | EZG.222...                  | .09         | -       |  |    |      |       |     |    |
| 2,23               | 3,00 | 11,50 | 38 | -  | -  | EZG.223...                  | .09         | -       |  |    |      |       |     |    |
| 2,24               | 3,00 | 11,50 | 38 | -  | -  | EZG.224...                  | .09         | -       |  |    |      |       |     |    |
| 2,25               | 3,00 | 11,50 | 38 | -  | -  | EZG.225...                  | .09         | .00     |  |    |      |       |     |    |
| 2,26               | 3,00 | 11,50 | 38 | -  | -  | EZG.226...                  | .09         | -       |  |    |      |       |     |    |
| 2,27               | 3,00 | 11,50 | 38 | -  | -  | EZG.227...                  | .09         | -       |  |    |      |       |     |    |
| 2,28               | 3,00 | 11,50 | 38 | -  | -  | EZG.228...                  | .09         | -       |  |    |      |       |     |    |
| 2,29               | 3,00 | 11,50 | 38 | -  | -  | EZG.229...                  | .09         | -       |  |    |      |       |     |    |
| 2,30               | 3,00 | 11,50 | 38 | -  | -  | EZG.230...                  | .09         | .00     |  |    |      |       |     |    |
| 2,31               | 3,00 | 12,00 | 38 | -  | -  | EZG.231...                  | .09         | -       |  |    |      |       |     |    |
| 2,32               | 3,00 | 12,00 | 38 | -  | -  | EZG.232...                  | .09         | -       |  |    |      |       |     |    |
| 2,33               | 3,00 | 12,00 | 38 | -  | -  | EZG.233...                  | .09         | -       |  |    |      |       |     |    |

# VHM-Micro-Spiralbohrer 5xD

Solid carbide micro drill 5xD

| Artikel-Nr. EZG... |      |       |    |    |    |                             |       |         |  |
|--------------------|------|-------|----|----|----|-----------------------------|-------|---------|--|
| D1<br>h5           | D2   | L2    | L1 | D4 | L4 | Artikel-Nr./<br>Article-No. | BLANK | NANOSIT |  |
| 2,34               | 3,00 | 12,00 | 38 | -  | -  | EZG.234...                  | .09   | -       |  |
| 2,35               | 3,00 | 12,00 | 38 | -  | -  | EZG.235...                  | .09   | .00     |  |
| 2,36               | 3,00 | 12,00 | 38 | -  | -  | EZG.236...                  | .09   | -       |  |
| 2,37               | 3,00 | 12,00 | 38 | -  | -  | EZG.237...                  | .09   | -       |  |
| 2,38               | 3,00 | 12,00 | 38 | -  | -  | EZG.238...                  | .09   | -       |  |
| 2,39               | 3,00 | 12,00 | 38 | -  | -  | EZG.239...                  | .09   | -       |  |
| 2,40               | 3,00 | 12,00 | 38 | -  | -  | EZG.240...                  | .09   | .00     |  |
| 2,41               | 3,00 | 12,50 | 38 | -  | -  | EZG.241...                  | .09   | -       |  |
| 2,42               | 3,00 | 12,50 | 38 | -  | -  | EZG.242...                  | .09   | -       |  |
| 2,43               | 3,00 | 12,50 | 38 | -  | -  | EZG.243...                  | .09   | -       |  |
| 2,44               | 3,00 | 12,50 | 38 | -  | -  | EZG.244...                  | .09   | -       |  |
| 2,45               | 3,00 | 12,50 | 38 | -  | -  | EZG.245...                  | .09   | .00     |  |
| 2,46               | 3,00 | 12,50 | 38 | -  | -  | EZG.246...                  | .09   | -       |  |
| 2,47               | 3,00 | 12,50 | 38 | -  | -  | EZG.247...                  | .09   | -       |  |
| 2,48               | 3,00 | 12,50 | 38 | -  | -  | EZG.248...                  | .09   | -       |  |
| 2,49               | 3,00 | 12,50 | 38 | -  | -  | EZG.249...                  | .09   | -       |  |
| 2,50               | 3,00 | 12,50 | 38 | -  | -  | EZG.250...                  | .09   | .00     |  |
| 2,51               | 3,00 | 13,00 | 38 | -  | -  | EZG.251...                  | .09   | -       |  |
| 2,52               | 3,00 | 13,00 | 38 | -  | -  | EZG.252...                  | .09   | -       |  |
| 2,53               | 3,00 | 13,00 | 38 | -  | -  | EZG.253...                  | .09   | -       |  |
| 2,54               | 3,00 | 13,00 | 38 | -  | -  | EZG.254...                  | .09   | -       |  |
| 2,55               | 3,00 | 13,00 | 38 | -  | -  | EZG.255...                  | .09   | .00     |  |
| 2,56               | 3,00 | 13,00 | 38 | -  | -  | EZG.256...                  | .09   | -       |  |
| 2,57               | 3,00 | 13,00 | 38 | -  | -  | EZG.257...                  | .09   | -       |  |
| 2,58               | 3,00 | 13,00 | 38 | -  | -  | EZG.258...                  | .09   | -       |  |
| 2,59               | 3,00 | 13,00 | 38 | -  | -  | EZG.259...                  | .09   | -       |  |
| 2,60               | 3,00 | 13,00 | 38 | -  | -  | EZG.260...                  | .09   | .00     |  |
| 2,61               | 3,00 | 13,50 | 38 | -  | -  | EZG.261...                  | .09   | -       |  |
| 2,62               | 3,00 | 13,50 | 38 | -  | -  | EZG.262...                  | .09   | -       |  |
| 2,63               | 3,00 | 13,50 | 38 | -  | -  | EZG.263...                  | .09   | -       |  |
| 2,64               | 3,00 | 13,50 | 38 | -  | -  | EZG.264...                  | .09   | -       |  |
| 2,65               | 3,00 | 13,50 | 38 | -  | -  | EZG.265...                  | .09   | .00     |  |
| 2,66               | 3,00 | 13,50 | 38 | -  | -  | EZG.266...                  | .09   | -       |  |
| 2,67               | 3,00 | 13,50 | 38 | -  | -  | EZG.267...                  | .09   | -       |  |
| 2,68               | 3,00 | 13,50 | 38 | -  | -  | EZG.268...                  | .09   | -       |  |
| 2,69               | 3,00 | 13,50 | 38 | -  | -  | EZG.269...                  | .09   | -       |  |
| 2,70               | 3,00 | 13,50 | 38 | -  | -  | EZG.270...                  | .09   | .00     |  |
| 2,71               | 3,00 | 14,00 | 38 | -  | -  | EZG.271...                  | .09   | -       |  |
| 2,72               | 3,00 | 14,00 | 38 | -  | -  | EZG.272...                  | .09   | -       |  |
| 2,73               | 3,00 | 14,00 | 38 | -  | -  | EZG.273...                  | .09   | -       |  |
| 2,74               | 3,00 | 14,00 | 38 | -  | -  | EZG.274...                  | .09   | -       |  |
| 2,75               | 3,00 | 14,00 | 38 | -  | -  | EZG.275...                  | .09   | .00     |  |
| 2,76               | 3,00 | 14,00 | 38 | -  | -  | EZG.276...                  | .09   | -       |  |
| 2,77               | 3,00 | 14,00 | 38 | -  | -  | EZG.277...                  | .09   | -       |  |
| 2,78               | 3,00 | 14,00 | 38 | -  | -  | EZG.278...                  | .09   | -       |  |
| 2,79               | 3,00 | 14,00 | 38 | -  | -  | EZG.279...                  | .09   | -       |  |

# VHM-Micro-Spiralbohrer 5xD

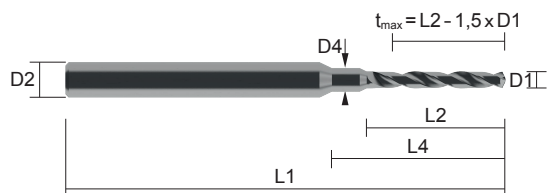
Solid carbide micro drill 5xD

| Artikel-Nr. EZG... |      |       |    |    |    |                             |       |         |
|--------------------|------|-------|----|----|----|-----------------------------|-------|---------|
| D1<br>h5           | D2   | L2    | L1 | D4 | L4 | Artikel-Nr./<br>Article-No. | BLANK | NANOSIT |
| 2,80               | 3,00 | 14,00 | 38 | -  | -  | EZG.280...                  | .09   | .00     |
| 2,81               | 3,00 | 14,50 | 38 | -  | -  | EZG.281...                  | .09   | -       |
| 2,82               | 3,00 | 14,50 | 38 | -  | -  | EZG.282...                  | .09   | -       |
| 2,83               | 3,00 | 14,50 | 38 | -  | -  | EZG.283...                  | .09   | -       |
| 2,84               | 3,00 | 14,50 | 38 | -  | -  | EZG.284...                  | .09   | -       |
| 2,85               | 3,00 | 14,50 | 38 | -  | -  | EZG.285...                  | .09   | .00     |
| 2,86               | 3,00 | 14,50 | 38 | -  | -  | EZG.286...                  | .09   | -       |
| 2,87               | 3,00 | 14,50 | 38 | -  | -  | EZG.287...                  | .09   | -       |
| 2,88               | 3,00 | 14,50 | 38 | -  | -  | EZG.288...                  | .09   | -       |
| 2,89               | 3,00 | 14,50 | 38 | -  | -  | EZG.289...                  | .09   | -       |
| 2,90               | 3,00 | 14,50 | 38 | -  | -  | EZG.290...                  | .09   | .00     |
| 2,91               | 3,00 | 15,00 | 38 | -  | -  | EZG.291...                  | .09   | -       |
| 2,92               | 3,00 | 15,00 | 38 | -  | -  | EZG.292...                  | .09   | -       |
| 2,93               | 3,00 | 15,00 | 38 | -  | -  | EZG.293...                  | .09   | -       |
| 2,94               | 3,00 | 15,00 | 38 | -  | -  | EZG.294...                  | .09   | -       |
| 2,95               | 3,00 | 15,00 | 38 | -  | -  | EZG.295...                  | .09   | .00     |
| 2,96               | 3,00 | 15,00 | 38 | -  | -  | EZG.296...                  | .09   | -       |
| 2,97               | 3,00 | 15,00 | 38 | -  | -  | EZG.297...                  | .09   | -       |
| 2,98               | 3,00 | 15,00 | 38 | -  | -  | EZG.298...                  | .09   | -       |
| 2,99               | 3,00 | 15,00 | 38 | -  | -  | EZG.299...                  | .09   | -       |
| 3,00               | 3,00 | 15,00 | 38 | -  | -  | EZG.300...                  | .09   | .00     |

# VHM-Micro-Spiralbohrer 8xD

Solid carbide micro drill 8xD

Artikel-Nr. EZH...



| D1<br>h5 | D2   | L2   | L1 | D4   | L4   | Artikel-Nr./<br>Article-No. |
|----------|------|------|----|------|------|-----------------------------|
| 0,10     | 3,00 | 0,80 | 38 | 1,00 | 5,00 | EZH.010.09                  |
| 0,11     | 3,00 | 1,00 | 38 | 1,00 | 5,00 | EZH.011.09                  |
| 0,12     | 3,00 | 1,00 | 38 | 1,00 | 5,00 | EZH.012.09                  |
| 0,13     | 3,00 | 1,20 | 38 | 1,00 | 5,00 | EZH.013.09                  |
| 0,14     | 3,00 | 1,20 | 38 | 1,00 | 5,00 | EZH.014.09                  |
| 0,15     | 3,00 | 1,30 | 38 | 1,00 | 5,00 | EZH.015.09                  |
| 0,16     | 3,00 | 1,30 | 38 | 1,00 | 5,00 | EZH.016.09                  |
| 0,17     | 3,00 | 1,50 | 38 | 1,00 | 5,00 | EZH.017.09                  |
| 0,18     | 3,00 | 1,50 | 38 | 1,00 | 5,00 | EZH.018.09                  |
| 0,19     | 3,00 | 1,60 | 38 | 1,00 | 5,00 | EZH.019.09                  |
| 0,20     | 3,00 | 1,60 | 38 | 1,00 | 7,00 | EZH.020.09                  |
| 0,21     | 3,00 | 2,00 | 38 | 1,00 | 7,00 | EZH.021.09                  |
| 0,22     | 3,00 | 2,00 | 38 | 1,00 | 7,00 | EZH.022.09                  |
| 0,23     | 3,00 | 2,00 | 38 | 1,00 | 7,00 | EZH.023.09                  |
| 0,24     | 3,00 | 2,00 | 38 | 1,00 | 7,00 | EZH.024.09                  |
| 0,25     | 3,00 | 2,00 | 38 | 1,00 | 7,00 | EZH.025.09                  |
| 0,26     | 3,00 | 2,40 | 38 | 1,00 | 7,00 | EZH.026.09                  |
| 0,27     | 3,00 | 2,40 | 38 | 1,00 | 7,00 | EZH.027.09                  |
| 0,28     | 3,00 | 2,40 | 38 | 1,00 | 7,00 | EZH.028.09                  |
| 0,29     | 3,00 | 2,40 | 38 | 1,00 | 7,00 | EZH.029.09                  |
| 0,30     | 3,00 | 2,40 | 38 | 1,00 | 7,00 | EZH.030.09                  |
| 0,31     | 3,00 | 2,80 | 38 | 1,00 | 7,00 | EZH.031.09                  |
| 0,32     | 3,00 | 2,80 | 38 | 1,00 | 7,00 | EZH.032.09                  |
| 0,33     | 3,00 | 2,80 | 38 | 1,00 | 7,00 | EZH.033.09                  |
| 0,34     | 3,00 | 2,80 | 38 | 1,00 | 7,00 | EZH.034.09                  |
| 0,35     | 3,00 | 2,80 | 38 | 1,00 | 7,00 | EZH.035.09                  |
| 0,36     | 3,00 | 3,20 | 38 | 1,00 | 7,00 | EZH.036.09                  |
| 0,37     | 3,00 | 3,20 | 38 | 1,00 | 7,00 | EZH.037.09                  |
| 0,38     | 3,00 | 3,20 | 38 | 1,00 | 7,00 | EZH.038.09                  |
| 0,39     | 3,00 | 3,20 | 38 | 1,00 | 7,00 | EZH.039.09                  |
| 0,40     | 3,00 | 3,20 | 38 | 1,00 | 7,00 | EZH.040.09                  |
| 0,41     | 3,00 | 3,60 | 38 | 1,00 | 7,00 | EZH.041.09                  |
| 0,42     | 3,00 | 3,60 | 38 | 1,00 | 7,00 | EZH.042.09                  |
| 0,43     | 3,00 | 3,60 | 38 | 1,00 | 7,00 | EZH.043.09                  |
| 0,44     | 3,00 | 3,60 | 38 | 1,00 | 7,00 | EZH.044.09                  |
| 0,45     | 3,00 | 3,60 | 38 | 1,00 | 7,00 | EZH.045.09                  |
| 0,46     | 3,00 | 4,00 | 38 | 1,00 | 7,00 | EZH.046.09                  |
| 0,47     | 3,00 | 4,00 | 38 | 1,00 | 7,00 | EZH.047.09                  |
| 0,48     | 3,00 | 4,00 | 38 | 1,00 | 7,00 | EZH.048.09                  |
| 0,49     | 3,00 | 4,00 | 38 | 1,00 | 7,00 | EZH.049.09                  |

# VHM-Micro-Spiralbohrer 8xD

Solid carbide micro drill 8xD

| Artikel-Nr. EZH... |      |      |    |      |       |                             |
|--------------------|------|------|----|------|-------|-----------------------------|
|                    |      |      |    |      |       |                             |
| D1<br>h5           | D2   | L2   | L1 | D4   | L4    | Artikel-Nr./<br>Article-No. |
| 0,50               | 3,00 | 4,00 | 38 | 1,50 | 15,00 | EZH.050.09                  |
| 0,51               | 3,00 | 4,80 | 38 | 1,50 | 15,00 | EZH.051.09                  |
| 0,52               | 3,00 | 4,80 | 38 | 1,50 | 15,00 | EZH.052.09                  |
| 0,53               | 3,00 | 4,80 | 38 | 1,50 | 15,00 | EZH.053.09                  |
| 0,54               | 3,00 | 4,80 | 38 | 1,50 | 15,00 | EZH.054.09                  |
| 0,55               | 3,00 | 4,80 | 38 | 1,50 | 15,00 | EZH.055.09                  |
| 0,56               | 3,00 | 4,80 | 38 | 1,50 | 15,00 | EZH.056.09                  |
| 0,57               | 3,00 | 4,80 | 38 | 1,50 | 15,00 | EZH.057.09                  |
| 0,58               | 3,00 | 4,80 | 38 | 1,50 | 15,00 | EZH.058.09                  |
| 0,59               | 3,00 | 4,80 | 38 | 1,50 | 15,00 | EZH.059.09                  |
| 0,60               | 3,00 | 4,80 | 38 | 1,50 | 15,00 | EZH.060.09                  |
| 0,61               | 3,00 | 5,60 | 38 | 1,50 | 15,00 | EZH.061.09                  |
| 0,62               | 3,00 | 5,60 | 38 | 1,50 | 15,00 | EZH.062.09                  |
| 0,63               | 3,00 | 5,60 | 38 | 1,50 | 15,00 | EZH.063.09                  |
| 0,64               | 3,00 | 5,60 | 38 | 1,50 | 15,00 | EZH.064.09                  |
| 0,65               | 3,00 | 5,60 | 38 | 1,50 | 15,00 | EZH.065.09                  |
| 0,66               | 3,00 | 5,60 | 38 | 1,50 | 15,00 | EZH.066.09                  |
| 0,67               | 3,00 | 5,60 | 38 | 1,50 | 15,00 | EZH.067.09                  |
| 0,68               | 3,00 | 5,60 | 38 | 1,50 | 15,00 | EZH.068.09                  |
| 0,69               | 3,00 | 5,60 | 38 | 1,50 | 15,00 | EZH.069.09                  |
| 0,70               | 3,00 | 5,60 | 38 | 1,50 | 15,00 | EZH.070.09                  |
| 0,71               | 3,00 | 6,40 | 38 | 1,50 | 15,00 | EZH.071.09                  |
| 0,72               | 3,00 | 6,40 | 38 | 1,50 | 15,00 | EZH.072.09                  |
| 0,73               | 3,00 | 6,40 | 38 | 1,50 | 15,00 | EZH.073.09                  |
| 0,74               | 3,00 | 6,40 | 38 | 1,50 | 15,00 | EZH.074.09                  |
| 0,75               | 3,00 | 6,40 | 38 | 1,50 | 15,00 | EZH.075.09                  |
| 0,76               | 3,00 | 6,40 | 38 | 1,50 | 15,00 | EZH.076.09                  |
| 0,77               | 3,00 | 6,40 | 38 | 1,50 | 15,00 | EZH.077.09                  |
| 0,78               | 3,00 | 6,40 | 38 | 1,50 | 15,00 | EZH.078.09                  |
| 0,79               | 3,00 | 6,40 | 38 | 1,50 | 15,00 | EZH.079.09                  |
| 0,80               | 3,00 | 6,40 | 38 | 1,50 | 15,00 | EZH.080.09                  |
| 0,81               | 3,00 | 7,20 | 38 | 1,50 | 15,00 | EZH.081.09                  |
| 0,82               | 3,00 | 7,20 | 38 | 1,50 | 15,00 | EZH.082.09                  |
| 0,83               | 3,00 | 7,20 | 38 | 1,50 | 15,00 | EZH.083.09                  |
| 0,84               | 3,00 | 7,20 | 38 | 1,50 | 15,00 | EZH.084.09                  |
| 0,85               | 3,00 | 7,20 | 38 | 1,50 | 15,00 | EZH.085.09                  |
| 0,86               | 3,00 | 7,20 | 38 | 1,50 | 15,00 | EZH.086.09                  |
| 0,87               | 3,00 | 7,20 | 38 | 1,50 | 15,00 | EZH.087.09                  |
| 0,88               | 3,00 | 7,20 | 38 | 1,50 | 15,00 | EZH.088.09                  |
| 0,89               | 3,00 | 7,20 | 38 | 1,50 | 15,00 | EZH.089.09                  |
| 0,90               | 3,00 | 7,20 | 38 | 1,50 | 15,00 | EZH.090.09                  |
| 0,91               | 3,00 | 8,00 | 38 | 1,50 | 15,00 | EZH.091.09                  |
| 0,92               | 3,00 | 8,00 | 38 | 1,50 | 15,00 | EZH.092.09                  |
| 0,93               | 3,00 | 8,00 | 38 | 1,50 | 15,00 | EZH.093.09                  |
| 0,94               | 3,00 | 8,00 | 38 | 1,50 | 15,00 | EZH.094.09                  |
| 0,95               | 3,00 | 8,00 | 38 | 1,50 | 15,00 | EZH.095.09                  |

# VHM-Micro-Spiralbohrer 8xD

Solid carbide micro drill 8xD

| Artikel-Nr. EZH... |      |       |    |      |       |                             |
|--------------------|------|-------|----|------|-------|-----------------------------|
|                    |      |       |    |      |       |                             |
| D1<br>h5           | D2   | L2    | L1 | D4   | L4    | Artikel-Nr./<br>Article-No. |
| 0,96               | 3,00 | 8,00  | 38 | 1,50 | 15,00 | EZH.096.09                  |
| 0,97               | 3,00 | 8,00  | 38 | 1,50 | 15,00 | EZH.097.09                  |
| 0,98               | 3,00 | 8,00  | 38 | 1,50 | 15,00 | EZH.098.09                  |
| 0,99               | 3,00 | 8,00  | 38 | 1,50 | 15,00 | EZH.099.09                  |
| 1,00               | 3,00 | 8,00  | 38 | 2,00 | 15,00 | EZH.100.09                  |
| 1,01               | 3,00 | 8,80  | 38 | 2,00 | 15,00 | EZH.101.09                  |
| 1,02               | 3,00 | 8,80  | 38 | 2,00 | 15,00 | EZH.102.09                  |
| 1,03               | 3,00 | 8,80  | 38 | 2,00 | 15,00 | EZH.103.09                  |
| 1,04               | 3,00 | 8,80  | 38 | 2,00 | 15,00 | EZH.104.09                  |
| 1,05               | 3,00 | 8,80  | 38 | 2,00 | 15,00 | EZH.105.09                  |
| 1,06               | 3,00 | 8,80  | 38 | 2,00 | 15,00 | EZH.106.09                  |
| 1,07               | 3,00 | 8,80  | 38 | 2,00 | 15,00 | EZH.107.09                  |
| 1,08               | 3,00 | 8,80  | 38 | 2,00 | 15,00 | EZH.108.09                  |
| 1,09               | 3,00 | 8,80  | 38 | 2,00 | 15,00 | EZH.109.09                  |
| 1,10               | 3,00 | 8,80  | 38 | 2,00 | 15,00 | EZH.110.09                  |
| 1,11               | 3,00 | 9,60  | 38 | 2,00 | 15,00 | EZH.111.09                  |
| 1,12               | 3,00 | 9,60  | 38 | 2,00 | 15,00 | EZH.112.09                  |
| 1,13               | 3,00 | 9,60  | 38 | 2,00 | 15,00 | EZH.113.09                  |
| 1,14               | 3,00 | 9,60  | 38 | 2,00 | 15,00 | EZH.114.09                  |
| 1,15               | 3,00 | 9,60  | 38 | 2,00 | 15,00 | EZH.115.09                  |
| 1,16               | 3,00 | 9,60  | 38 | 2,00 | 15,00 | EZH.116.09                  |
| 1,17               | 3,00 | 9,60  | 38 | 2,00 | 15,00 | EZH.117.09                  |
| 1,18               | 3,00 | 9,60  | 38 | 2,00 | 15,00 | EZH.118.09                  |
| 1,19               | 3,00 | 9,60  | 38 | 2,00 | 15,00 | EZH.119.09                  |
| 1,20               | 3,00 | 9,60  | 38 | 2,00 | 15,00 | EZH.120.09                  |
| 1,21               | 3,00 | 10,40 | 38 | 2,00 | 15,00 | EZH.121.09                  |
| 1,22               | 3,00 | 10,40 | 38 | 2,00 | 15,00 | EZH.122.09                  |
| 1,23               | 3,00 | 10,40 | 38 | 2,00 | 15,00 | EZH.123.09                  |
| 1,24               | 3,00 | 10,40 | 38 | 2,00 | 15,00 | EZH.124.09                  |
| 1,25               | 3,00 | 10,40 | 38 | 2,00 | 15,00 | EZH.125.09                  |
| 1,26               | 3,00 | 10,40 | 38 | 2,00 | 15,00 | EZH.126.09                  |
| 1,27               | 3,00 | 10,40 | 38 | 2,00 | 15,00 | EZH.127.09                  |
| 1,28               | 3,00 | 10,40 | 38 | 2,00 | 15,00 | EZH.128.09                  |
| 1,29               | 3,00 | 10,40 | 38 | 2,00 | 15,00 | EZH.129.09                  |
| 1,30               | 3,00 | 10,40 | 38 | 2,00 | 15,00 | EZH.130.09                  |
| 1,31               | 3,00 | 11,20 | 38 | 2,00 | 15,00 | EZH.131.09                  |
| 1,32               | 3,00 | 11,20 | 38 | 2,00 | 15,00 | EZH.132.09                  |
| 1,33               | 3,00 | 11,20 | 38 | 2,00 | 15,00 | EZH.133.09                  |
| 1,34               | 3,00 | 11,20 | 38 | 2,00 | 15,00 | EZH.134.09                  |
| 1,35               | 3,00 | 11,20 | 38 | 2,00 | 15,00 | EZH.135.09                  |
| 1,36               | 3,00 | 11,20 | 38 | 2,00 | 15,00 | EZH.136.09                  |
| 1,37               | 3,00 | 11,20 | 38 | 2,00 | 15,00 | EZH.137.09                  |
| 1,38               | 3,00 | 11,20 | 38 | 2,00 | 15,00 | EZH.138.09                  |
| 1,39               | 3,00 | 11,20 | 38 | 2,00 | 15,00 | EZH.139.09                  |
| 1,40               | 3,00 | 11,20 | 38 | 2,00 | 15,00 | EZH.140.09                  |
| 1,41               | 3,00 | 12,00 | 38 | 2,00 | 15,00 | EZH.141.09                  |

# VHM-Micro-Spiralbohrer 8xD

Solid carbide micro drill 8xD

| Artikel-Nr. EZH... |      |       |    |      |       |                             |
|--------------------|------|-------|----|------|-------|-----------------------------|
|                    |      |       |    |      |       |                             |
| D1<br>h5           | D2   | L2    | L1 | D4   | L4    | Artikel-Nr./<br>Article-No. |
| 1,42               | 3,00 | 12,00 | 38 | 2,00 | 15,00 | EZH.142.09                  |
| 1,43               | 3,00 | 12,00 | 38 | 2,00 | 15,00 | EZH.143.09                  |
| 1,44               | 3,00 | 12,00 | 38 | 2,00 | 15,00 | EZH.144.09                  |
| 1,45               | 3,00 | 12,00 | 38 | 2,00 | 15,00 | EZH.145.09                  |
| 1,46               | 3,00 | 12,00 | 38 | 2,00 | 15,00 | EZH.146.09                  |
| 1,47               | 3,00 | 12,00 | 38 | 2,00 | 15,00 | EZH.147.09                  |
| 1,48               | 3,00 | 12,00 | 38 | 2,00 | 15,00 | EZH.148.09                  |
| 1,49               | 3,00 | 12,00 | 38 | 2,00 | 15,00 | EZH.149.09                  |
| 1,50               | 3,00 | 12,00 | 38 | -    | -     | EZH.150.09                  |
| 1,51               | 3,00 | 12,80 | 38 | -    | -     | EZH.151.09                  |
| 1,52               | 3,00 | 12,80 | 38 | -    | -     | EZH.152.09                  |
| 1,53               | 3,00 | 12,80 | 38 | -    | -     | EZH.153.09                  |
| 1,54               | 3,00 | 12,80 | 38 | -    | -     | EZH.154.09                  |
| 1,55               | 3,00 | 12,80 | 38 | -    | -     | EZH.155.09                  |
| 1,56               | 3,00 | 12,80 | 38 | -    | -     | EZH.156.09                  |
| 1,57               | 3,00 | 12,80 | 38 | -    | -     | EZH.157.09                  |
| 1,58               | 3,00 | 12,80 | 38 | -    | -     | EZH.158.09                  |
| 1,59               | 3,00 | 12,80 | 38 | -    | -     | EZH.159.09                  |
| 1,60               | 3,00 | 12,80 | 38 | -    | -     | EZH.160.09                  |
| 1,61               | 3,00 | 13,60 | 38 | -    | -     | EZH.161.09                  |
| 1,62               | 3,00 | 13,60 | 38 | -    | -     | EZH.162.09                  |
| 1,63               | 3,00 | 13,60 | 38 | -    | -     | EZH.163.09                  |
| 1,64               | 3,00 | 13,60 | 38 | -    | -     | EZH.164.09                  |
| 1,65               | 3,00 | 13,60 | 38 | -    | -     | EZH.165.09                  |
| 1,66               | 3,00 | 13,60 | 38 | -    | -     | EZH.166.09                  |
| 1,67               | 3,00 | 13,60 | 38 | -    | -     | EZH.167.09                  |
| 1,68               | 3,00 | 13,60 | 38 | -    | -     | EZH.168.09                  |
| 1,69               | 3,00 | 13,60 | 38 | -    | -     | EZH.169.09                  |
| 1,70               | 3,00 | 13,60 | 38 | -    | -     | EZH.170.09                  |
| 1,71               | 3,00 | 14,40 | 38 | -    | -     | EZH.171.09                  |
| 1,72               | 3,00 | 14,40 | 38 | -    | -     | EZH.172.09                  |
| 1,73               | 3,00 | 14,40 | 38 | -    | -     | EZH.173.09                  |
| 1,74               | 3,00 | 14,40 | 38 | -    | -     | EZH.174.09                  |
| 1,75               | 3,00 | 14,40 | 38 | -    | -     | EZH.175.09                  |
| 1,76               | 3,00 | 14,40 | 38 | -    | -     | EZH.176.09                  |
| 1,77               | 3,00 | 14,40 | 38 | -    | -     | EZH.177.09                  |
| 1,78               | 3,00 | 14,40 | 38 | -    | -     | EZH.178.09                  |
| 1,79               | 3,00 | 14,40 | 38 | -    | -     | EZH.179.09                  |
| 1,80               | 3,00 | 14,40 | 38 | -    | -     | EZH.180.09                  |
| 1,81               | 3,00 | 15,20 | 38 | -    | -     | EZH.181.09                  |
| 1,82               | 3,00 | 15,20 | 38 | -    | -     | EZH.182.09                  |
| 1,83               | 3,00 | 15,20 | 38 | -    | -     | EZH.183.09                  |
| 1,84               | 3,00 | 15,20 | 38 | -    | -     | EZH.184.09                  |
| 1,85               | 3,00 | 15,20 | 38 | -    | -     | EZH.185.09                  |
| 1,86               | 3,00 | 15,20 | 38 | -    | -     | EZH.186.09                  |
| 1,87               | 3,00 | 15,20 | 38 | -    | -     | EZH.187.09                  |

# VHM-Micro-Spiralbohrer 8xD

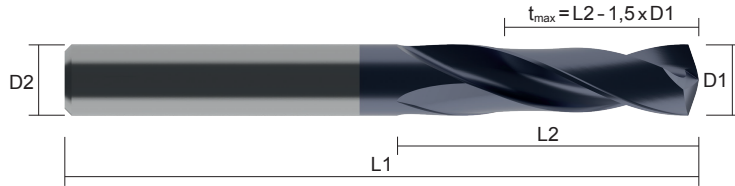
Solid carbide micro drill 8xD

| Artikel-Nr. EZH... |      |       |    |    |    |                             |
|--------------------|------|-------|----|----|----|-----------------------------|
|                    |      |       |    |    |    |                             |
| D1<br>h5           | D2   | L2    | L1 | D4 | L4 | Artikel-Nr./<br>Article-No. |
| 1,88               | 3,00 | 15,20 | 38 | -  | -  | EZH.188.09                  |
| 1,89               | 3,00 | 15,20 | 38 | -  | -  | EZH.189.09                  |
| 1,90               | 3,00 | 15,20 | 38 | -  | -  | EZH.190.09                  |
| 1,91               | 3,00 | 16,00 | 38 | -  | -  | EZH.191.09                  |
| 1,92               | 3,00 | 16,00 | 38 | -  | -  | EZH.192.09                  |
| 1,93               | 3,00 | 16,00 | 38 | -  | -  | EZH.193.09                  |
| 1,94               | 3,00 | 16,00 | 38 | -  | -  | EZH.194.09                  |
| 1,95               | 3,00 | 16,00 | 38 | -  | -  | EZH.195.09                  |
| 1,96               | 3,00 | 16,00 | 38 | -  | -  | EZH.196.09                  |
| 1,97               | 3,00 | 16,00 | 38 | -  | -  | EZH.197.09                  |
| 1,98               | 3,00 | 16,00 | 38 | -  | -  | EZH.198.09                  |
| 1,99               | 3,00 | 16,00 | 38 | -  | -  | EZH.199.09                  |
| 2,00               | 3,00 | 16,00 | 38 | -  | -  | EZH.200.09                  |
| 2,01               | 3,00 | 16,80 | 38 | -  | -  | EZH.201.09                  |
| 2,02               | 3,00 | 16,80 | 38 | -  | -  | EZH.202.09                  |
| 2,03               | 3,00 | 16,80 | 38 | -  | -  | EZH.203.09                  |
| 2,04               | 3,00 | 16,80 | 38 | -  | -  | EZH.204.09                  |
| 2,05               | 3,00 | 16,80 | 38 | -  | -  | EZH.205.09                  |

# VHM-Spiralbohrer 3xD extra kurz

Solid carbide drill 3xD extra short

Artikel-Nr. CZC...



| D1<br>h6 | D2<br>h6 | L2 | L1 | Artikel-Nr./<br>Article-No. |
|----------|----------|----|----|-----------------------------|
| 3,00     | 3,00     | 16 | 46 | CZC.030.00                  |
| 3,10     | 3,10     | 18 | 49 | CZC.031.00                  |
| 3,20     | 3,20     | 18 | 49 | CZC.032.00                  |
| 3,30     | 3,30     | 18 | 49 | CZC.033.00                  |
| 3,40     | 3,40     | 20 | 52 | CZC.034.00                  |
| 3,50     | 3,50     | 20 | 52 | CZC.035.00                  |
| 3,60     | 3,60     | 20 | 52 | CZC.036.00                  |
| 3,70     | 3,70     | 20 | 52 | CZC.037.00                  |
| 3,80     | 3,80     | 22 | 55 | CZC.038.00                  |
| 3,90     | 3,90     | 22 | 55 | CZC.039.00                  |
| 4,00     | 4,00     | 22 | 55 | CZC.040.00                  |
| 4,10     | 4,10     | 22 | 55 | CZC.041.00                  |
| 4,20     | 4,20     | 22 | 55 | CZC.042.00                  |
| 4,30     | 4,30     | 24 | 58 | CZC.043.00                  |
| 4,40     | 4,40     | 24 | 58 | CZC.044.00                  |
| 4,50     | 4,50     | 24 | 58 | CZC.045.00                  |
| 4,60     | 4,60     | 24 | 58 | CZC.046.00                  |
| 4,70     | 4,70     | 24 | 58 | CZC.047.00                  |
| 4,80     | 4,80     | 26 | 62 | CZC.048.00                  |
| 4,90     | 4,90     | 26 | 62 | CZC.049.00                  |
| 5,00     | 5,00     | 26 | 62 | CZC.050.00                  |
| 5,10     | 5,10     | 26 | 62 | CZC.051.00                  |
| 5,20     | 5,20     | 26 | 62 | CZC.052.00                  |
| 5,30     | 5,30     | 26 | 62 | CZC.053.00                  |
| 5,40     | 5,40     | 28 | 66 | CZC.054.00                  |
| 5,50     | 5,50     | 28 | 66 | CZC.055.00                  |
| 5,60     | 5,60     | 28 | 66 | CZC.056.00                  |
| 5,70     | 5,70     | 28 | 66 | CZC.057.00                  |
| 5,80     | 5,80     | 28 | 66 | CZC.058.00                  |
| 5,90     | 5,90     | 28 | 66 | CZC.059.00                  |
| 6,00     | 6,00     | 28 | 66 | CZC.060.00                  |
| 6,10     | 6,10     | 31 | 70 | CZC.061.00                  |
| 6,20     | 6,20     | 31 | 70 | CZC.062.00                  |
| 6,30     | 6,30     | 31 | 70 | CZC.063.00                  |
| 6,40     | 6,40     | 31 | 70 | CZC.064.00                  |
| 6,50     | 6,50     | 31 | 70 | CZC.065.00                  |
| 6,60     | 6,60     | 31 | 70 | CZC.066.00                  |
| 6,70     | 6,70     | 31 | 70 | CZC.067.00                  |
| 6,80     | 6,80     | 34 | 74 | CZC.068.00                  |
| 6,90     | 6,90     | 34 | 74 | CZC.069.00                  |

# VHM-Spiralbohrer 3xD extra kurz

Solid carbide drill 3xD extra short

Artikel-Nr. CZC...

| D1<br>h6 | D2<br>h6 | L2 | L1  | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-----------------------------|
| 7,00     | 7,00     | 34 | 74  | CZC.070.00                  |
| 7,10     | 7,10     | 34 | 74  | CZC.071.00                  |
| 7,20     | 7,20     | 34 | 74  | CZC.072.00                  |
| 7,30     | 7,30     | 34 | 74  | CZC.073.00                  |
| 7,40     | 7,40     | 34 | 74  | CZC.074.00                  |
| 7,50     | 7,50     | 34 | 74  | CZC.075.00                  |
| 7,60     | 7,60     | 37 | 79  | CZC.076.00                  |
| 7,70     | 7,70     | 37 | 79  | CZC.077.00                  |
| 7,80     | 7,80     | 37 | 79  | CZC.078.00                  |
| 7,90     | 7,90     | 37 | 79  | CZC.079.00                  |
| 8,00     | 8,00     | 37 | 79  | CZC.080.00                  |
| 8,10     | 8,10     | 37 | 79  | CZC.081.00                  |
| 8,20     | 8,20     | 37 | 79  | CZC.082.00                  |
| 8,30     | 8,30     | 37 | 79  | CZC.083.00                  |
| 8,40     | 8,40     | 37 | 79  | CZC.084.00                  |
| 8,50     | 8,50     | 37 | 79  | CZC.085.00                  |
| 8,60     | 8,60     | 40 | 84  | CZC.086.00                  |
| 8,70     | 8,70     | 40 | 84  | CZC.087.00                  |
| 8,80     | 8,80     | 40 | 84  | CZC.088.00                  |
| 8,90     | 8,90     | 40 | 84  | CZC.089.00                  |
| 9,00     | 9,00     | 40 | 84  | CZC.090.00                  |
| 9,10     | 9,10     | 40 | 84  | CZC.091.00                  |
| 9,20     | 9,20     | 40 | 84  | CZC.092.00                  |
| 9,30     | 9,30     | 40 | 84  | CZC.093.00                  |
| 9,40     | 9,40     | 40 | 84  | CZC.094.00                  |
| 9,50     | 9,50     | 40 | 84  | CZC.095.00                  |
| 9,60     | 9,60     | 43 | 89  | CZC.096.00                  |
| 9,70     | 9,70     | 43 | 89  | CZC.097.00                  |
| 9,80     | 9,80     | 43 | 89  | CZC.098.00                  |
| 9,90     | 9,90     | 43 | 89  | CZC.099.00                  |
| 10,00    | 10,00    | 43 | 89  | CZC.100.00                  |
| 10,20    | 10,20    | 43 | 89  | CZC.102.00                  |
| 10,30    | 10,30    | 43 | 89  | CZC.103.00                  |
| 10,50    | 10,50    | 43 | 89  | CZC.105.00                  |
| 11,00    | 11,00    | 47 | 95  | CZC.110.00                  |
| 11,50    | 11,50    | 47 | 95  | CZC.115.00                  |
| 11,80    | 11,80    | 47 | 95  | CZC.118.00                  |
| 12,00    | 12,00    | 51 | 102 | CZC.120.00                  |
| 13,00    | 13,00    | 51 | 102 | CZC.130.00                  |
| 13,50    | 13,50    | 54 | 107 | CZC.135.00                  |
| 14,00    | 14,00    | 54 | 107 | CZC.140.00                  |
| 14,50    | 14,50    | 56 | 111 | CZC.145.00                  |
| 15,00    | 15,00    | 56 | 111 | CZC.150.00                  |
| 15,50    | 15,50    | 58 | 115 | CZC.155.00                  |
| 16,00    | 16,00    | 58 | 115 | CZC.160.00                  |
| 16,50    | 16,50    | 60 | 119 | CZC.165.00                  |

# VHM-Spiralbohrer 3xD extra kurz

Solid carbide drill 3xD extra short

Artikel-Nr. CZC...



| D1<br>h6 | D2<br>h6 | L2 | L1  | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-----------------------------|
| 17,00    | 17,00    | 60 | 119 | CZC.170.00                  |
| 17,50    | 17,50    | 62 | 123 | CZC.175.00                  |
| 18,00    | 18,00    | 62 | 123 | CZC.180.00                  |
| 18,50    | 18,50    | 64 | 127 | CZC.185.00                  |
| 19,00    | 19,00    | 64 | 127 | CZC.190.00                  |
| 19,50    | 19,50    | 66 | 131 | CZC.195.00                  |
| 20,00    | 20,00    | 66 | 131 | CZC.200.00                  |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD

**1<sup>ST</sup> CHOICE**

Artikel-Nr. EZC...

TYPE  
N-W

2

140°

o.IK

HA

HB

Norm

TIALN

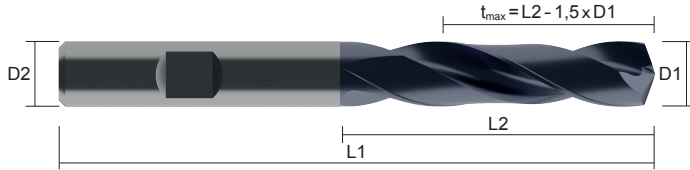
HP

steel

GG(G)

z

3xD



| D1<br>m7 | D2<br>h6 | L2 | L1 | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|----|-----------------------------|-----|-----|
| 1,00     | 3,00     | 8  | 38 | EZC.010...                  | .00 | -   |
| 1,10     | 3,00     | 8  | 38 | EZC.011...                  | .00 | -   |
| 1,20     | 3,00     | 8  | 38 | EZC.012...                  | .00 | -   |
| 1,30     | 3,00     | 8  | 38 | EZC.013...                  | .00 | -   |
| 1,40     | 3,00     | 8  | 38 | EZC.014...                  | .00 | -   |
| 1,50     | 3,00     | 8  | 50 | EZC.015...                  | .00 | -   |
| 1,60     | 3,00     | 8  | 50 | EZC.016...                  | .00 | -   |
| 1,70     | 3,00     | 10 | 50 | EZC.017...                  | .00 | -   |
| 1,80     | 3,00     | 10 | 50 | EZC.018...                  | .00 | -   |
| 1,90     | 3,00     | 10 | 50 | EZC.019...                  | .00 | -   |
| 2,00     | 3,00     | 16 | 50 | EZC.020...                  | .00 | -   |
| 2,10     | 3,00     | 16 | 50 | EZC.021...                  | .00 | -   |
| 2,20     | 3,00     | 16 | 50 | EZC.022...                  | .00 | -   |
| 2,30     | 3,00     | 16 | 50 | EZC.023...                  | .00 | -   |
| 2,40     | 3,00     | 16 | 50 | EZC.024...                  | .00 | -   |
| 2,50     | 3,00     | 20 | 50 | EZC.025...                  | .00 | -   |
| 2,60     | 3,00     | 20 | 50 | EZC.026...                  | .00 | -   |
| 2,70     | 3,00     | 20 | 50 | EZC.027...                  | .00 | -   |
| 2,80     | 3,00     | 20 | 50 | EZC.028...                  | .00 | -   |
| 2,90     | 3,00     | 20 | 50 | EZC.029...                  | .00 | -   |
| 3,00     | 6,00     | 20 | 62 | EZC.030...                  | .00 | .10 |
| 3,10     | 6,00     | 20 | 62 | EZC.031...                  | .00 | .10 |
| 3,20     | 6,00     | 20 | 62 | EZC.032...                  | .00 | .10 |
| 3,25     | 6,00     | 20 | 62 | EZC.325...                  | .00 | .10 |
| 3,30     | 6,00     | 20 | 62 | EZC.033...                  | .00 | .10 |
| 3,40     | 6,00     | 20 | 62 | EZC.034...                  | .00 | .10 |
| 3,50     | 6,00     | 20 | 62 | EZC.035...                  | .00 | .10 |
| 3,60     | 6,00     | 20 | 62 | EZC.036...                  | .00 | .10 |
| 3,70     | 6,00     | 20 | 62 | EZC.037...                  | .00 | .10 |
| 3,80     | 6,00     | 24 | 66 | EZC.038...                  | .00 | .10 |
| 3,90     | 6,00     | 24 | 66 | EZC.039...                  | .00 | .10 |
| 4,00     | 6,00     | 24 | 66 | EZC.040...                  | .00 | .10 |
| 4,10     | 6,00     | 24 | 66 | EZC.041...                  | .00 | .10 |
| 4,20     | 6,00     | 24 | 66 | EZC.042...                  | .00 | .10 |
| 4,30     | 6,00     | 24 | 66 | EZC.043...                  | .00 | .10 |
| 4,40     | 6,00     | 24 | 66 | EZC.044...                  | .00 | .10 |
| 4,50     | 6,00     | 24 | 66 | EZC.045...                  | .00 | .10 |
| 4,60     | 6,00     | 24 | 66 | EZC.046...                  | .00 | .10 |
| 4,65     | 6,00     | 24 | 66 | EZC.465...                  | .00 | .10 |
| 4,70     | 6,00     | 24 | 66 | EZC.047...                  | .00 | .10 |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD



Artikel-Nr. EZC...

| D1<br>m7 | D2<br>h6 | L2 | L1 | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|----|-----------------------------|-----|-----|
| 4,80     | 6,00     | 28 | 66 | EZC.048...                  | .00 | .10 |
| 4,90     | 6,00     | 28 | 66 | EZC.049...                  | .00 | .10 |
| 5,00     | 6,00     | 28 | 66 | EZC.050...                  | .00 | .10 |
| 5,10     | 6,00     | 28 | 66 | EZC.051...                  | .00 | .10 |
| 5,20     | 6,00     | 28 | 66 | EZC.052...                  | .00 | .10 |
| 5,30     | 6,00     | 28 | 66 | EZC.053...                  | .00 | .10 |
| 5,40     | 6,00     | 28 | 66 | EZC.054...                  | .00 | .10 |
| 5,50     | 6,00     | 28 | 66 | EZC.055...                  | .00 | .10 |
| 5,60     | 6,00     | 28 | 66 | EZC.056...                  | .00 | .10 |
| 5,70     | 6,00     | 28 | 66 | EZC.057...                  | .00 | .10 |
| 5,80     | 6,00     | 28 | 66 | EZC.058...                  | .00 | .10 |
| 5,90     | 6,00     | 28 | 66 | EZC.059...                  | .00 | .10 |
| 6,00     | 6,00     | 28 | 66 | EZC.060...                  | .00 | .10 |
| 6,10     | 8,00     | 34 | 79 | EZC.061...                  | .00 | .10 |
| 6,20     | 8,00     | 34 | 79 | EZC.062...                  | .00 | .10 |
| 6,30     | 8,00     | 34 | 79 | EZC.063...                  | .00 | .10 |
| 6,40     | 8,00     | 34 | 79 | EZC.064...                  | .00 | .10 |
| 6,50     | 8,00     | 34 | 79 | EZC.065...                  | .00 | .10 |
| 6,60     | 8,00     | 34 | 79 | EZC.066...                  | .00 | .10 |
| 6,70     | 8,00     | 34 | 79 | EZC.067...                  | .00 | .10 |
| 6,80     | 8,00     | 34 | 79 | EZC.068...                  | .00 | .10 |
| 6,90     | 8,00     | 34 | 79 | EZC.069...                  | .00 | .10 |
| 7,00     | 8,00     | 34 | 79 | EZC.070...                  | .00 | .10 |
| 7,10     | 8,00     | 41 | 79 | EZC.071...                  | .00 | .10 |
| 7,20     | 8,00     | 41 | 79 | EZC.072...                  | .00 | .10 |
| 7,30     | 8,00     | 41 | 79 | EZC.073...                  | .00 | .10 |
| 7,40     | 8,00     | 41 | 79 | EZC.074...                  | .00 | .10 |
| 7,50     | 8,00     | 41 | 79 | EZC.075...                  | .00 | .10 |
| 7,60     | 8,00     | 41 | 79 | EZC.076...                  | .00 | .10 |
| 7,70     | 8,00     | 41 | 79 | EZC.077...                  | .00 | .10 |
| 7,80     | 8,00     | 41 | 79 | EZC.078...                  | .00 | .10 |
| 7,90     | 8,00     | 41 | 79 | EZC.079...                  | .00 | .10 |
| 8,00     | 8,00     | 41 | 79 | EZC.080...                  | .00 | .10 |
| 8,10     | 10,00    | 47 | 89 | EZC.081...                  | .00 | .10 |
| 8,20     | 10,00    | 47 | 89 | EZC.082...                  | .00 | .10 |
| 8,30     | 10,00    | 47 | 89 | EZC.083...                  | .00 | .10 |
| 8,40     | 10,00    | 47 | 89 | EZC.084...                  | .00 | .10 |
| 8,50     | 10,00    | 47 | 89 | EZC.085...                  | .00 | .10 |
| 8,60     | 10,00    | 47 | 89 | EZC.086...                  | .00 | .10 |
| 8,70     | 10,00    | 47 | 89 | EZC.087...                  | .00 | .10 |
| 8,80     | 10,00    | 47 | 89 | EZC.088...                  | .00 | .10 |
| 8,90     | 10,00    | 47 | 89 | EZC.089...                  | .00 | .10 |
| 9,00     | 10,00    | 47 | 89 | EZC.090...                  | .00 | .10 |
| 9,10     | 10,00    | 47 | 89 | EZC.091...                  | .00 | .10 |
| 9,20     | 10,00    | 47 | 89 | EZC.092...                  | .00 | .10 |
| 9,30     | 10,00    | 47 | 89 | EZC.093...                  | .00 | .10 |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD



Artikel-Nr. EZC...

| D1<br>m7 | D2<br>h6 | L2 | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-----------------------------|-----|-----|
| 9,40     | 10,00    | 47 | 89  | EZC.094...                  | .00 | .10 |
| 9,50     | 10,00    | 47 | 89  | EZC.095...                  | .00 | .10 |
| 9,60     | 10,00    | 47 | 89  | EZC.096...                  | .00 | .10 |
| 9,70     | 10,00    | 47 | 89  | EZC.097...                  | .00 | .10 |
| 9,80     | 10,00    | 47 | 89  | EZC.098...                  | .00 | .10 |
| 9,90     | 10,00    | 47 | 89  | EZC.099...                  | .00 | .10 |
| 10,00    | 10,00    | 47 | 89  | EZC.100...                  | .00 | .10 |
| 10,10    | 12,00    | 55 | 102 | EZC.101...                  | .00 | .10 |
| 10,20    | 12,00    | 55 | 102 | EZC.102...                  | .00 | .10 |
| 10,30    | 12,00    | 55 | 102 | EZC.103...                  | .00 | .10 |
| 10,40    | 12,00    | 55 | 102 | EZC.104...                  | .00 | .10 |
| 10,50    | 12,00    | 55 | 102 | EZC.105...                  | .00 | .10 |
| 10,60    | 12,00    | 55 | 102 | EZC.106...                  | .00 | .10 |
| 10,70    | 12,00    | 55 | 102 | EZC.107...                  | .00 | .10 |
| 10,80    | 12,00    | 55 | 102 | EZC.108...                  | .00 | .10 |
| 10,90    | 12,00    | 55 | 102 | EZC.109...                  | .00 | .10 |
| 11,00    | 12,00    | 55 | 102 | EZC.110...                  | .00 | .10 |
| 11,10    | 12,00    | 55 | 102 | EZC.111...                  | .00 | .10 |
| 11,20    | 12,00    | 55 | 102 | EZC.112...                  | .00 | .10 |
| 11,30    | 12,00    | 55 | 102 | EZC.113...                  | .00 | .10 |
| 11,40    | 12,00    | 55 | 102 | EZC.114...                  | .00 | .10 |
| 11,50    | 12,00    | 55 | 102 | EZC.115...                  | .00 | .10 |
| 11,60    | 12,00    | 55 | 102 | EZC.116...                  | .00 | .10 |
| 11,70    | 12,00    | 55 | 102 | EZC.117...                  | .00 | .10 |
| 11,80    | 12,00    | 55 | 102 | EZC.118...                  | .00 | .10 |
| 11,90    | 12,00    | 55 | 102 | EZC.119...                  | .00 | .10 |
| 12,00    | 12,00    | 55 | 102 | EZC.120...                  | .00 | .10 |
| 12,30    | 14,00    | 60 | 107 | EZC.123...                  | .00 | .10 |
| 12,50    | 14,00    | 60 | 107 | EZC.125...                  | .00 | .10 |
| 12,80    | 14,00    | 60 | 107 | EZC.128...                  | .00 | .10 |
| 13,00    | 14,00    | 60 | 107 | EZC.130...                  | .00 | .10 |
| 13,50    | 14,00    | 60 | 107 | EZC.135...                  | .00 | .10 |
| 13,80    | 14,00    | 60 | 107 | EZC.138...                  | .00 | .10 |
| 14,00    | 14,00    | 60 | 107 | EZC.140...                  | .00 | .10 |
| 14,20    | 16,00    | 65 | 115 | EZC.142...                  | .00 | .10 |
| 14,50    | 16,00    | 65 | 115 | EZC.145...                  | .00 | .10 |
| 14,80    | 16,00    | 65 | 115 | EZC.148...                  | .00 | .10 |
| 15,00    | 16,00    | 65 | 115 | EZC.150...                  | .00 | .10 |
| 15,50    | 16,00    | 65 | 115 | EZC.155...                  | .00 | .10 |
| 15,80    | 16,00    | 65 | 115 | EZC.158...                  | .00 | .10 |
| 16,00    | 16,00    | 65 | 115 | EZC.160...                  | .00 | .10 |
| 16,50    | 18,00    | 73 | 123 | EZC.165...                  | .00 | .10 |
| 16,80    | 18,00    | 73 | 123 | EZC.168...                  | .00 | .10 |
| 17,00    | 18,00    | 73 | 123 | EZC.170...                  | .00 | .10 |
| 17,50    | 18,00    | 73 | 123 | EZC.175...                  | .00 | .10 |
| 17,80    | 18,00    | 73 | 123 | EZC.178...                  | .00 | .10 |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD

**1<sup>ST</sup>**  
CHOICE

Artikel-Nr. EZC...

| D1<br>m7 | D2<br>h6 | L2 | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-----------------------------|-----|-----|
| 18,00    | 18,00    | 73 | 123 | EZC.180...                  | .00 | .10 |
| 18,50    | 20,00    | 79 | 131 | EZC.185...                  | .00 | .10 |
| 19,00    | 20,00    | 79 | 131 | EZC.190...                  | .00 | .10 |
| 19,50    | 20,00    | 79 | 131 | EZC.195...                  | .00 | .10 |
| 19,80    | 20,00    | 79 | 131 | EZC.198...                  | .00 | .10 |
| 20,00    | 20,00    | 79 | 131 | EZC.200...                  | .00 | .10 |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD

**1<sup>ST</sup> CHOICE**

Artikel-Nr. GZC...

TYPE  
N-W

2

140°

IK

HA

HB

Norm

TIALN

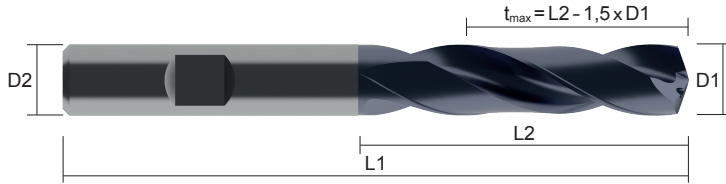
HP

steel

GG(G)

z

3xD



| D1<br>m7 | D2<br>h6 | L2 | L1 | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|----|-----------------------------|-----|-----|
| 3,00     | 6,00     | 20 | 62 | GZC.030...                  | .00 | .10 |
| 3,10     | 6,00     | 20 | 62 | GZC.031...                  | .00 | .10 |
| 3,20     | 6,00     | 20 | 62 | GZC.032...                  | .00 | .10 |
| 3,30     | 6,00     | 20 | 62 | GZC.033...                  | .00 | .10 |
| 3,40     | 6,00     | 20 | 62 | GZC.034...                  | .00 | .10 |
| 3,50     | 6,00     | 20 | 62 | GZC.035...                  | .00 | .10 |
| 3,60     | 6,00     | 20 | 62 | GZC.036...                  | .00 | .10 |
| 3,70     | 6,00     | 20 | 62 | GZC.037...                  | .00 | .10 |
| 3,80     | 6,00     | 24 | 66 | GZC.038...                  | .00 | .10 |
| 3,90     | 6,00     | 24 | 66 | GZC.039...                  | .00 | .10 |
| 4,00     | 6,00     | 24 | 66 | GZC.040...                  | .00 | .10 |
| 4,10     | 6,00     | 24 | 66 | GZC.041...                  | .00 | .10 |
| 4,20     | 6,00     | 24 | 66 | GZC.042...                  | .00 | .10 |
| 4,30     | 6,00     | 24 | 66 | GZC.043...                  | .00 | .10 |
| 4,40     | 6,00     | 24 | 66 | GZC.044...                  | .00 | .10 |
| 4,50     | 6,00     | 24 | 66 | GZC.045...                  | .00 | .10 |
| 4,60     | 6,00     | 24 | 66 | GZC.046...                  | .00 | .10 |
| 4,65     | 6,00     | 24 | 66 | GZC.465...                  | .00 | .10 |
| 4,70     | 6,00     | 24 | 66 | GZC.047...                  | .00 | .10 |
| 4,80     | 6,00     | 28 | 66 | GZC.048...                  | .00 | .10 |
| 4,90     | 6,00     | 28 | 66 | GZC.049...                  | .00 | .10 |
| 5,00     | 6,00     | 28 | 66 | GZC.050...                  | .00 | .10 |
| 5,10     | 6,00     | 28 | 66 | GZC.051...                  | .00 | .10 |
| 5,20     | 6,00     | 28 | 66 | GZC.052...                  | .00 | .10 |
| 5,30     | 6,00     | 28 | 66 | GZC.053...                  | .00 | .10 |
| 5,40     | 6,00     | 28 | 66 | GZC.054...                  | .00 | .10 |
| 5,50     | 6,00     | 28 | 66 | GZC.055...                  | .00 | .10 |
| 5,55     | 6,00     | 28 | 66 | GZC.555...                  | .00 | .10 |
| 5,60     | 6,00     | 28 | 66 | GZC.056...                  | .00 | .10 |
| 5,70     | 6,00     | 28 | 66 | GZC.057...                  | .00 | .10 |
| 5,80     | 6,00     | 28 | 66 | GZC.058...                  | .00 | .10 |
| 5,90     | 6,00     | 28 | 66 | GZC.059...                  | .00 | .10 |
| 6,00     | 6,00     | 28 | 66 | GZC.060...                  | .00 | .10 |
| 6,10     | 8,00     | 34 | 79 | GZC.061...                  | .00 | .10 |
| 6,20     | 8,00     | 34 | 79 | GZC.062...                  | .00 | .10 |
| 6,30     | 8,00     | 34 | 79 | GZC.063...                  | .00 | .10 |
| 6,40     | 8,00     | 34 | 79 | GZC.064...                  | .00 | .10 |
| 6,50     | 8,00     | 34 | 79 | GZC.065...                  | .00 | .10 |
| 6,60     | 8,00     | 34 | 79 | GZC.066...                  | .00 | .10 |
| 6,70     | 8,00     | 34 | 79 | GZC.067...                  | .00 | .10 |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD



Artikel-Nr. GZC...

| D1<br>m7 | D2<br>h6 | L2 | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-----------------------------|-----|-----|
| 6,80     | 8,00     | 34 | 79  | GZC.068...                  | .00 | .10 |
| 6,90     | 8,00     | 34 | 79  | GZC.069...                  | .00 | .10 |
| 7,00     | 8,00     | 34 | 79  | GZC.070...                  | .00 | .10 |
| 7,10     | 8,00     | 41 | 79  | GZC.071...                  | .00 | .10 |
| 7,20     | 8,00     | 41 | 79  | GZC.072...                  | .00 | .10 |
| 7,30     | 8,00     | 41 | 79  | GZC.073...                  | .00 | .10 |
| 7,40     | 8,00     | 41 | 79  | GZC.074...                  | .00 | .10 |
| 7,50     | 8,00     | 41 | 79  | GZC.075...                  | .00 | .10 |
| 7,60     | 8,00     | 41 | 79  | GZC.076...                  | .00 | .10 |
| 7,70     | 8,00     | 41 | 79  | GZC.077...                  | .00 | .10 |
| 7,80     | 8,00     | 41 | 79  | GZC.078...                  | .00 | .10 |
| 7,90     | 8,00     | 41 | 79  | GZC.079...                  | .00 | .10 |
| 8,00     | 8,00     | 41 | 79  | GZC.080...                  | .00 | .10 |
| 8,10     | 10,00    | 47 | 89  | GZC.081...                  | .00 | .10 |
| 8,20     | 10,00    | 47 | 89  | GZC.082...                  | .00 | .10 |
| 8,30     | 10,00    | 47 | 89  | GZC.083...                  | .00 | .10 |
| 8,40     | 10,00    | 47 | 89  | GZC.084...                  | .00 | .10 |
| 8,50     | 10,00    | 47 | 89  | GZC.085...                  | .00 | .10 |
| 8,60     | 10,00    | 47 | 89  | GZC.086...                  | .00 | .10 |
| 8,70     | 10,00    | 47 | 89  | GZC.087...                  | .00 | .10 |
| 8,80     | 10,00    | 47 | 89  | GZC.088...                  | .00 | .10 |
| 8,90     | 10,00    | 47 | 89  | GZC.089...                  | .00 | .10 |
| 9,00     | 10,00    | 47 | 89  | GZC.090...                  | .00 | .10 |
| 9,10     | 10,00    | 47 | 89  | GZC.091...                  | .00 | .10 |
| 9,20     | 10,00    | 47 | 89  | GZC.092...                  | .00 | .10 |
| 9,30     | 10,00    | 47 | 89  | GZC.093...                  | .00 | .10 |
| 9,40     | 10,00    | 47 | 89  | GZC.094...                  | .00 | .10 |
| 9,50     | 10,00    | 47 | 89  | GZC.095...                  | .00 | .10 |
| 9,60     | 10,00    | 47 | 89  | GZC.096...                  | .00 | .10 |
| 9,70     | 10,00    | 47 | 89  | GZC.097...                  | .00 | .10 |
| 9,80     | 10,00    | 47 | 89  | GZC.098...                  | .00 | .10 |
| 9,90     | 10,00    | 47 | 89  | GZC.099...                  | .00 | .10 |
| 10,00    | 10,00    | 47 | 89  | GZC.100...                  | .00 | .10 |
| 10,10    | 12,00    | 55 | 102 | GZC.101...                  | .00 | .10 |
| 10,20    | 12,00    | 55 | 102 | GZC.102...                  | .00 | .10 |
| 10,30    | 12,00    | 55 | 102 | GZC.103...                  | .00 | .10 |
| 10,40    | 12,00    | 55 | 102 | GZC.104...                  | .00 | .10 |
| 10,50    | 12,00    | 55 | 102 | GZC.105...                  | .00 | .10 |
| 10,60    | 12,00    | 55 | 102 | GZC.106...                  | .00 | .10 |
| 10,70    | 12,00    | 55 | 102 | GZC.107...                  | .00 | .10 |
| 10,80    | 12,00    | 55 | 102 | GZC.108...                  | .00 | .10 |
| 10,90    | 12,00    | 55 | 102 | GZC.109...                  | .00 | .10 |
| 11,00    | 12,00    | 55 | 102 | GZC.110...                  | .00 | .10 |
| 11,10    | 12,00    | 55 | 102 | GZC.111...                  | .00 | .10 |
| 11,20    | 12,00    | 55 | 102 | GZC.112...                  | .00 | .10 |
| 11,30    | 12,00    | 55 | 102 | GZC.113...                  | .00 | .10 |
| 11,40    | 12,00    | 55 | 102 | GZC.114...                  | .00 | .10 |
| 11,50    | 12,00    | 55 | 102 | GZC.115...                  | .00 | .10 |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD



Artikel-Nr. GZC...

| D1<br>m7 | D2<br>h6 | L2 | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-----------------------------|-----|-----|
| 11,60    | 12,00    | 55 | 102 | GZC.116...                  | .00 | .10 |
| 11,70    | 12,00    | 55 | 102 | GZC.117...                  | .00 | .10 |
| 11,80    | 12,00    | 55 | 102 | GZC.118...                  | .00 | .10 |
| 11,90    | 12,00    | 55 | 102 | GZC.119...                  | .00 | .10 |
| 12,00    | 12,00    | 55 | 102 | GZC.120...                  | .00 | .10 |
| 12,20    | 14,00    | 60 | 107 | GZC.122...                  | .00 | .10 |
| 12,30    | 14,00    | 60 | 107 | GZC.123...                  | .00 | .10 |
| 12,50    | 14,00    | 60 | 107 | GZC.125...                  | .00 | .10 |
| 12,80    | 14,00    | 60 | 107 | GZC.128...                  | .00 | .10 |
| 13,00    | 14,00    | 60 | 107 | GZC.130...                  | .00 | .10 |
| 13,50    | 14,00    | 60 | 107 | GZC.135...                  | .00 | .10 |
| 13,80    | 14,00    | 60 | 107 | GZC.138...                  | .00 | .10 |
| 14,00    | 14,00    | 60 | 107 | GZC.140...                  | .00 | .10 |
| 14,50    | 16,00    | 65 | 115 | GZC.145...                  | .00 | .10 |
| 14,80    | 16,00    | 65 | 115 | GZC.148...                  | .00 | .10 |
| 15,00    | 16,00    | 65 | 115 | GZC.150...                  | .00 | .10 |
| 15,50    | 16,00    | 65 | 115 | GZC.155...                  | .00 | .10 |
| 15,80    | 16,00    | 65 | 115 | GZC.158...                  | .00 | .10 |
| 16,00    | 16,00    | 65 | 115 | GZC.160...                  | .00 | .10 |
| 16,50    | 18,00    | 73 | 123 | GZC.165...                  | .00 | .10 |
| 16,80    | 18,00    | 73 | 123 | GZC.168...                  | .00 | .10 |
| 17,00    | 18,00    | 73 | 123 | GZC.170...                  | .00 | .10 |
| 17,50    | 18,00    | 73 | 123 | GZC.175...                  | .00 | .10 |
| 17,80    | 18,00    | 73 | 123 | GZC.178...                  | .00 | .10 |
| 18,00    | 18,00    | 73 | 123 | GZC.180...                  | .00 | .10 |
| 18,50    | 20,00    | 79 | 131 | GZC.185...                  | .00 | .10 |
| 19,00    | 20,00    | 79 | 131 | GZC.190...                  | .00 | .10 |
| 19,50    | 20,00    | 79 | 131 | GZC.195...                  | .00 | .10 |
| 19,80    | 20,00    | 79 | 131 | GZC.198...                  | .00 | .10 |
| 20,00    | 20,00    | 79 | 131 | GZC.200...                  | .00 | .10 |

# VHM-Spiralbohrer 5xD

Solid carbide drill 5xD

**1<sup>ST</sup> CHOICE**

Artikel-Nr. EZE...

TYPE N-W

steel

2

GG(G)

140°

z

o.IK

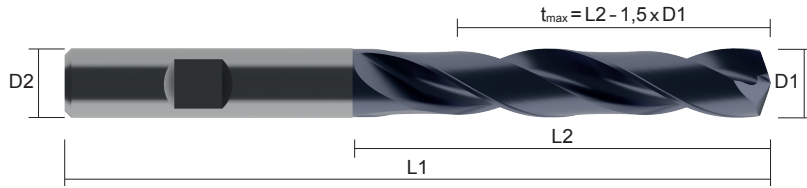
5xD

HA

HB

TIALN

HP



| D1<br>m7 | D2<br>h6 | L2 | L1 | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|----|-----------------------------|-----|-----|
| 0,50     | 3,00     | 10 | 50 | EZE.005...                  | .00 | -   |
| 0,60     | 3,00     | 10 | 50 | EZE.006...                  | .00 | -   |
| 0,70     | 3,00     | 10 | 50 | EZE.007...                  | .00 | -   |
| 0,80     | 3,00     | 10 | 50 | EZE.008...                  | .00 | -   |
| 0,90     | 3,00     | 10 | 50 | EZE.009...                  | .00 | -   |
| 1,00     | 3,00     | 10 | 55 | EZE.010...                  | .00 | -   |
| 1,10     | 3,00     | 12 | 55 | EZE.011...                  | .00 | -   |
| 1,20     | 3,00     | 12 | 55 | EZE.012...                  | .00 | -   |
| 1,30     | 3,00     | 12 | 55 | EZE.013...                  | .00 | -   |
| 1,40     | 3,00     | 12 | 55 | EZE.014...                  | .00 | -   |
| 1,50     | 3,00     | 12 | 55 | EZE.015...                  | .00 | -   |
| 1,60     | 3,00     | 16 | 55 | EZE.016...                  | .00 | -   |
| 1,70     | 3,00     | 16 | 55 | EZE.017...                  | .00 | -   |
| 1,80     | 3,00     | 16 | 55 | EZE.018...                  | .00 | -   |
| 1,90     | 3,00     | 16 | 55 | EZE.019...                  | .00 | -   |
| 2,00     | 3,00     | 21 | 57 | EZE.020...                  | .00 | -   |
| 2,10     | 3,00     | 21 | 57 | EZE.021...                  | .00 | -   |
| 2,20     | 3,00     | 21 | 57 | EZE.022...                  | .00 | -   |
| 2,30     | 3,00     | 21 | 57 | EZE.023...                  | .00 | -   |
| 2,40     | 3,00     | 21 | 57 | EZE.024...                  | .00 | -   |
| 2,50     | 3,00     | 21 | 57 | EZE.025...                  | .00 | -   |
| 2,60     | 3,00     | 21 | 57 | EZE.026...                  | .00 | -   |
| 2,70     | 3,00     | 21 | 57 | EZE.027...                  | .00 | -   |
| 2,80     | 3,00     | 21 | 57 | EZE.028...                  | .00 | -   |
| 2,90     | 3,00     | 21 | 57 | EZE.029...                  | .00 | -   |
| 3,00     | 6,00     | 28 | 66 | EZE.030...                  | .00 | .10 |
| 3,10     | 6,00     | 28 | 66 | EZE.031...                  | .00 | .10 |
| 3,20     | 6,00     | 28 | 66 | EZE.032...                  | .00 | .10 |
| 3,25     | 6,00     | 28 | 66 | EZE.325...                  | .00 | .10 |
| 3,30     | 6,00     | 28 | 66 | EZE.033...                  | .00 | .10 |
| 3,40     | 6,00     | 28 | 66 | EZE.034...                  | .00 | .10 |
| 3,50     | 6,00     | 28 | 66 | EZE.035...                  | .00 | .10 |
| 3,60     | 6,00     | 28 | 66 | EZE.036...                  | .00 | .10 |
| 3,70     | 6,00     | 28 | 66 | EZE.037...                  | .00 | .10 |
| 3,80     | 6,00     | 36 | 74 | EZE.038...                  | .00 | .10 |
| 3,90     | 6,00     | 36 | 74 | EZE.039...                  | .00 | .10 |
| 4,00     | 6,00     | 36 | 74 | EZE.040...                  | .00 | .10 |
| 4,10     | 6,00     | 36 | 74 | EZE.041...                  | .00 | .10 |
| 4,20     | 6,00     | 36 | 74 | EZE.042...                  | .00 | .10 |
| 4,30     | 6,00     | 36 | 74 | EZE.043...                  | .00 | .10 |

# VHM-Spiralbohrer 5xD

Solid carbide drill 5xD



Artikel-Nr. EZE...

| D1<br>m7 | D2<br>h6 | L2 | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-----------------------------|-----|-----|
| 4,40     | 6,00     | 36 | 74  | EZE.044...                  | .00 | .10 |
| 4,50     | 6,00     | 36 | 74  | EZE.045...                  | .00 | .10 |
| 4,60     | 6,00     | 36 | 74  | EZE.046...                  | .00 | .10 |
| 4,65     | 6,00     | 36 | 74  | EZE.465...                  | .00 | .10 |
| 4,70     | 6,00     | 36 | 74  | EZE.047...                  | .00 | .10 |
| 4,80     | 6,00     | 44 | 82  | EZE.048...                  | .00 | .10 |
| 4,90     | 6,00     | 44 | 82  | EZE.049...                  | .00 | .10 |
| 5,00     | 6,00     | 44 | 82  | EZE.050...                  | .00 | .10 |
| 5,10     | 6,00     | 44 | 82  | EZE.051...                  | .00 | .10 |
| 5,20     | 6,00     | 44 | 82  | EZE.052...                  | .00 | .10 |
| 5,30     | 6,00     | 44 | 82  | EZE.053...                  | .00 | .10 |
| 5,40     | 6,00     | 44 | 82  | EZE.054...                  | .00 | .10 |
| 5,50     | 6,00     | 44 | 82  | EZE.055...                  | .00 | .10 |
| 5,55     | 6,00     | 44 | 82  | EZE.555...                  | .00 | .10 |
| 5,60     | 6,00     | 44 | 82  | EZE.056...                  | .00 | .10 |
| 5,70     | 6,00     | 44 | 82  | EZE.057...                  | .00 | .10 |
| 5,80     | 6,00     | 44 | 82  | EZE.058...                  | .00 | .10 |
| 5,90     | 6,00     | 44 | 82  | EZE.059...                  | .00 | .10 |
| 6,00     | 6,00     | 44 | 82  | EZE.060...                  | .00 | .10 |
| 6,10     | 8,00     | 53 | 91  | EZE.061...                  | .00 | .10 |
| 6,20     | 8,00     | 53 | 91  | EZE.062...                  | .00 | .10 |
| 6,30     | 8,00     | 53 | 91  | EZE.063...                  | .00 | .10 |
| 6,40     | 8,00     | 53 | 91  | EZE.064...                  | .00 | .10 |
| 6,50     | 8,00     | 53 | 91  | EZE.065...                  | .00 | .10 |
| 6,60     | 8,00     | 53 | 91  | EZE.066...                  | .00 | .10 |
| 6,70     | 8,00     | 53 | 91  | EZE.067...                  | .00 | .10 |
| 6,80     | 8,00     | 53 | 91  | EZE.068...                  | .00 | .10 |
| 6,90     | 8,00     | 53 | 91  | EZE.069...                  | .00 | .10 |
| 7,00     | 8,00     | 53 | 91  | EZE.070...                  | .00 | .10 |
| 7,10     | 8,00     | 53 | 91  | EZE.071...                  | .00 | .10 |
| 7,20     | 8,00     | 53 | 91  | EZE.072...                  | .00 | .10 |
| 7,30     | 8,00     | 53 | 91  | EZE.073...                  | .00 | .10 |
| 7,40     | 8,00     | 53 | 91  | EZE.074...                  | .00 | .10 |
| 7,50     | 8,00     | 53 | 91  | EZE.075...                  | .00 | .10 |
| 7,60     | 8,00     | 53 | 91  | EZE.076...                  | .00 | .10 |
| 7,70     | 8,00     | 53 | 91  | EZE.077...                  | .00 | .10 |
| 7,80     | 8,00     | 53 | 91  | EZE.078...                  | .00 | .10 |
| 7,90     | 8,00     | 53 | 91  | EZE.079...                  | .00 | .10 |
| 8,00     | 8,00     | 53 | 91  | EZE.080...                  | .00 | .10 |
| 8,10     | 10,00    | 61 | 103 | EZE.081...                  | .00 | .10 |
| 8,20     | 10,00    | 61 | 103 | EZE.082...                  | .00 | .10 |
| 8,30     | 10,00    | 61 | 103 | EZE.083...                  | .00 | .10 |
| 8,40     | 10,00    | 61 | 103 | EZE.084...                  | .00 | .10 |
| 8,50     | 10,00    | 61 | 103 | EZE.085...                  | .00 | .10 |
| 8,60     | 10,00    | 61 | 103 | EZE.086...                  | .00 | .10 |
| 8,70     | 10,00    | 61 | 103 | EZE.087...                  | .00 | .10 |

# VHM-Spiralbohrer 5xD

Solid carbide drill 5xD



Artikel-Nr. EZE...

| D1<br>m7 | D2<br>h6 | L2 | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-----------------------------|-----|-----|
| 8,80     | 10,00    | 61 | 103 | EZE.088...                  | .00 | .10 |
| 8,90     | 10,00    | 61 | 103 | EZE.089...                  | .00 | .10 |
| 9,00     | 10,00    | 61 | 103 | EZE.090...                  | .00 | .10 |
| 9,10     | 10,00    | 61 | 103 | EZE.091...                  | .00 | .10 |
| 9,20     | 10,00    | 61 | 103 | EZE.092...                  | .00 | .10 |
| 9,30     | 10,00    | 61 | 103 | EZE.093...                  | .00 | .10 |
| 9,40     | 10,00    | 61 | 103 | EZE.094...                  | .00 | .10 |
| 9,50     | 10,00    | 61 | 103 | EZE.095...                  | .00 | .10 |
| 9,60     | 10,00    | 61 | 103 | EZE.096...                  | .00 | .10 |
| 9,70     | 10,00    | 61 | 103 | EZE.097...                  | .00 | .10 |
| 9,80     | 10,00    | 61 | 103 | EZE.098...                  | .00 | .10 |
| 9,90     | 10,00    | 61 | 103 | EZE.099...                  | .00 | .10 |
| 10,00    | 10,00    | 61 | 103 | EZE.100...                  | .00 | .10 |
| 10,10    | 12,00    | 71 | 118 | EZE.101...                  | .00 | .10 |
| 10,20    | 12,00    | 71 | 118 | EZE.102...                  | .00 | .10 |
| 10,30    | 12,00    | 71 | 118 | EZE.103...                  | .00 | .10 |
| 10,40    | 12,00    | 71 | 118 | EZE.104...                  | .00 | .10 |
| 10,50    | 12,00    | 71 | 118 | EZE.105...                  | .00 | .10 |
| 10,60    | 12,00    | 71 | 118 | EZE.106...                  | .00 | .10 |
| 10,70    | 12,00    | 71 | 118 | EZE.107...                  | .00 | .10 |
| 10,80    | 12,00    | 71 | 118 | EZE.108...                  | .00 | .10 |
| 10,90    | 12,00    | 71 | 118 | EZE.109...                  | .00 | .10 |
| 11,00    | 12,00    | 71 | 118 | EZE.110...                  | .00 | .10 |
| 11,10    | 12,00    | 71 | 118 | EZE.111...                  | .00 | .10 |
| 11,20    | 12,00    | 71 | 118 | EZE.112...                  | .00 | .10 |
| 11,30    | 12,00    | 71 | 118 | EZE.113...                  | .00 | .10 |
| 11,40    | 12,00    | 71 | 118 | EZE.114...                  | .00 | .10 |
| 11,50    | 12,00    | 71 | 118 | EZE.115...                  | .00 | .10 |
| 11,60    | 12,00    | 71 | 118 | EZE.116...                  | .00 | .10 |
| 11,70    | 12,00    | 71 | 118 | EZE.117...                  | .00 | .10 |
| 11,80    | 12,00    | 71 | 118 | EZE.118...                  | .00 | .10 |
| 11,90    | 12,00    | 71 | 118 | EZE.119...                  | .00 | .10 |
| 12,00    | 12,00    | 71 | 118 | EZE.120...                  | .00 | .10 |
| 12,20    | 14,00    | 77 | 124 | EZE.122...                  | .00 | .10 |
| 12,30    | 14,00    | 77 | 124 | EZE.123...                  | .00 | .10 |
| 12,50    | 14,00    | 77 | 124 | EZE.125...                  | .00 | .10 |
| 12,80    | 14,00    | 77 | 124 | EZE.128...                  | .00 | .10 |
| 13,00    | 14,00    | 77 | 124 | EZE.130...                  | .00 | .10 |
| 13,20    | 14,00    | 77 | 124 | EZE.132...                  | .00 | .10 |
| 13,50    | 14,00    | 77 | 124 | EZE.135...                  | .00 | .10 |
| 13,80    | 14,00    | 77 | 124 | EZE.138...                  | .00 | .10 |
| 14,00    | 14,00    | 77 | 124 | EZE.140...                  | .00 | .10 |
| 14,50    | 16,00    | 83 | 133 | EZE.145...                  | .00 | .10 |
| 14,80    | 16,00    | 83 | 133 | EZE.148...                  | .00 | .10 |
| 15,00    | 16,00    | 83 | 133 | EZE.150...                  | .00 | .10 |
| 15,50    | 16,00    | 83 | 133 | EZE.155...                  | .00 | .10 |

# VHM-Spiralbohrer 5xD

Solid carbide drill 5xD

**1<sup>ST</sup>**  
CHOICE

Artikel-Nr. EZE...

| D1<br>m7 | D2<br>h6 | L2  | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|-----|-----|-----------------------------|-----|-----|
| 15,80    | 16,00    | 83  | 133 | EZE.158...                  | .00 | .10 |
| 16,00    | 16,00    | 83  | 133 | EZE.160...                  | .00 | .10 |
| 16,50    | 18,00    | 93  | 143 | EZE.165...                  | .00 | .10 |
| 16,80    | 18,00    | 93  | 143 | EZE.168...                  | .00 | .10 |
| 17,00    | 18,00    | 93  | 143 | EZE.170...                  | .00 | .10 |
| 17,50    | 18,00    | 93  | 143 | EZE.175...                  | .00 | .10 |
| 17,80    | 18,00    | 93  | 143 | EZE.178...                  | .00 | .10 |
| 18,00    | 18,00    | 93  | 143 | EZE.180...                  | .00 | .10 |
| 18,50    | 20,00    | 101 | 153 | EZE.185...                  | .00 | .10 |
| 19,00    | 20,00    | 101 | 153 | EZE.190...                  | .00 | .10 |
| 19,50    | 20,00    | 101 | 153 | EZE.195...                  | .00 | .10 |
| 20,00    | 20,00    | 101 | 153 | EZE.200...                  | .00 | .10 |

# VHM-Spiralbohrer 5xD

Solid carbide drill 5xD

**1<sup>ST</sup> CHOICE**

Artikel-Nr. GZE...

TYPE  
N-W

2

140°

IK

HA

HB

TIALN

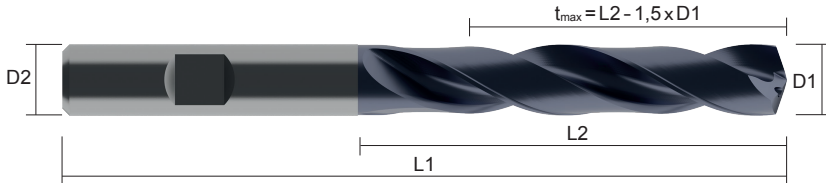
HP

steel

GG(G)

z

5xD



| D1<br>m7 | D2<br>h6 | L2 | L1 | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|----|-----------------------------|-----|-----|
| 1,00     | 3,00     | 10 | 55 | GZE.010...                  | .00 | -   |
| 1,10     | 3,00     | 12 | 55 | GZE.011...                  | .00 | -   |
| 1,20     | 3,00     | 12 | 55 | GZE.012...                  | .00 | -   |
| 1,30     | 3,00     | 12 | 55 | GZE.013...                  | .00 | -   |
| 1,40     | 3,00     | 12 | 55 | GZE.014...                  | .00 | -   |
| 1,50     | 3,00     | 12 | 55 | GZE.015...                  | .00 | -   |
| 1,60     | 3,00     | 16 | 55 | GZE.016...                  | .00 | -   |
| 1,70     | 3,00     | 16 | 55 | GZE.017...                  | .00 | -   |
| 1,80     | 3,00     | 16 | 55 | GZE.018...                  | .00 | -   |
| 1,90     | 3,00     | 16 | 55 | GZE.019...                  | .00 | -   |
| 2,00     | 3,00     | 21 | 57 | GZE.020...                  | .00 | -   |
| 2,02     | 3,00     | 16 | 57 | GZE.202...                  | .00 | -   |
| 2,10     | 3,00     | 21 | 57 | GZE.021...                  | .00 | -   |
| 2,20     | 3,00     | 21 | 57 | GZE.022...                  | .00 | -   |
| 2,22     | 3,00     | 21 | 57 | GZE.222...                  | .00 | -   |
| 2,30     | 3,00     | 21 | 57 | GZE.023...                  | .00 | -   |
| 2,32     | 3,00     | 21 | 57 | GZE.232...                  | .00 | -   |
| 2,40     | 3,00     | 21 | 57 | GZE.024...                  | .00 | -   |
| 2,42     | 3,00     | 21 | 57 | GZE.242...                  | .00 | -   |
| 2,50     | 3,00     | 21 | 57 | GZE.025...                  | .00 | -   |
| 2,52     | 3,00     | 21 | 57 | GZE.252...                  | .00 | -   |
| 2,60     | 3,00     | 21 | 57 | GZE.026...                  | .00 | -   |
| 2,70     | 3,00     | 21 | 57 | GZE.027...                  | .00 | -   |
| 2,72     | 3,00     | 21 | 57 | GZE.272...                  | .00 | -   |
| 2,75     | 3,00     | 21 | 57 | GZE.275...                  | .00 | -   |
| 2,80     | 3,00     | 21 | 57 | GZE.028...                  | .00 | -   |
| 2,82     | 3,00     | 21 | 57 | GZE.282...                  | .00 | -   |
| 2,90     | 3,00     | 21 | 57 | GZE.029...                  | .00 | -   |
| 3,00     | 6,00     | 28 | 66 | GZE.030...                  | .00 | .10 |
| 3,02     | 6,00     | 28 | 66 | GZE.302...                  | .00 | .10 |
| 3,10     | 6,00     | 28 | 66 | GZE.031...                  | .00 | .10 |
| 3,20     | 6,00     | 28 | 66 | GZE.032...                  | .00 | .10 |
| 3,22     | 6,00     | 28 | 66 | GZE.322...                  | .00 | .10 |
| 3,25     | 6,00     | 28 | 66 | GZE.325...                  | .00 | .10 |
| 3,30     | 6,00     | 28 | 66 | GZE.033...                  | .00 | .10 |
| 3,32     | 6,00     | 28 | 66 | GZE.332...                  | .00 | .10 |
| 3,40     | 6,00     | 28 | 66 | GZE.034...                  | .00 | .10 |
| 3,50     | 6,00     | 28 | 66 | GZE.035...                  | .00 | .10 |
| 3,52     | 6,00     | 28 | 66 | GZE.352...                  | .00 | .10 |
| 3,60     | 6,00     | 28 | 66 | GZE.036...                  | .00 | .10 |

# VHM-Spiralbohrer 5xD

Solid carbide drill 5xD



Artikel-Nr. GZE...

| D1<br>m7 | D2<br>h6 | L2 | L1 | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|----|-----------------------------|-----|-----|
| 3,65     | 6,00     | 28 | 66 | GZE.365...                  | .00 | .10 |
| 3,70     | 6,00     | 28 | 66 | GZE.037...                  | .00 | .10 |
| 3,80     | 6,00     | 36 | 74 | GZE.038...                  | .00 | .10 |
| 3,82     | 6,00     | 36 | 74 | GZE.382...                  | .00 | .10 |
| 3,90     | 6,00     | 36 | 74 | GZE.039...                  | .00 | .10 |
| 4,00     | 6,00     | 36 | 74 | GZE.040...                  | .00 | .10 |
| 4,02     | 6,00     | 36 | 74 | GZE.402...                  | .00 | .10 |
| 4,10     | 6,00     | 36 | 74 | GZE.041...                  | .00 | .10 |
| 4,20     | 6,00     | 36 | 74 | GZE.042...                  | .00 | .10 |
| 4,22     | 6,00     | 36 | 74 | GZE.422...                  | .00 | .10 |
| 4,30     | 6,00     | 36 | 74 | GZE.043...                  | .00 | .10 |
| 4,40     | 6,00     | 36 | 74 | GZE.044...                  | .00 | .10 |
| 4,50     | 6,00     | 36 | 74 | GZE.045...                  | .00 | .10 |
| 4,52     | 6,00     | 36 | 74 | GZE.452...                  | .00 | .10 |
| 4,60     | 6,00     | 36 | 74 | GZE.046...                  | .00 | .10 |
| 4,65     | 6,00     | 36 | 74 | GZE.465...                  | .00 | .10 |
| 4,70     | 6,00     | 36 | 74 | GZE.047...                  | .00 | .10 |
| 4,80     | 6,00     | 44 | 82 | GZE.048...                  | .00 | .10 |
| 4,82     | 6,00     | 44 | 82 | GZE.482...                  | .00 | .10 |
| 4,90     | 6,00     | 44 | 82 | GZE.049...                  | .00 | .10 |
| 5,00     | 6,00     | 44 | 82 | GZE.050...                  | .00 | .10 |
| 5,02     | 6,00     | 44 | 82 | GZE.502...                  | .00 | .10 |
| 5,10     | 6,00     | 44 | 82 | GZE.051...                  | .00 | .10 |
| 5,20     | 6,00     | 44 | 82 | GZE.052...                  | .00 | .10 |
| 5,30     | 6,00     | 44 | 82 | GZE.053...                  | .00 | .10 |
| 5,40     | 6,00     | 44 | 82 | GZE.054...                  | .00 | .10 |
| 5,50     | 6,00     | 44 | 82 | GZE.055...                  | .00 | .10 |
| 5,52     | 6,00     | 44 | 82 | GZE.552...                  | .00 | .10 |
| 5,55     | 6,00     | 44 | 82 | GZE.555...                  | .00 | .10 |
| 5,60     | 6,00     | 44 | 82 | GZE.056...                  | .00 | .10 |
| 5,65     | 6,00     | 44 | 82 | GZE.565...                  | .00 | .10 |
| 5,70     | 6,00     | 44 | 82 | GZE.057...                  | .00 | .10 |
| 5,80     | 6,00     | 44 | 82 | GZE.058...                  | .00 | .10 |
| 5,82     | 6,00     | 44 | 82 | GZE.582...                  | .00 | .10 |
| 5,90     | 6,00     | 44 | 82 | GZE.059...                  | .00 | .10 |
| 6,00     | 6,00     | 44 | 82 | GZE.060...                  | .00 | .10 |
| 6,02     | 6,00     | 44 | 82 | GZE.602...                  | .00 | .10 |
| 6,10     | 8,00     | 53 | 91 | GZE.061...                  | .00 | .10 |
| 6,20     | 8,00     | 53 | 91 | GZE.062...                  | .00 | .10 |
| 6,30     | 8,00     | 53 | 91 | GZE.063...                  | .00 | .10 |
| 6,40     | 8,00     | 53 | 91 | GZE.064...                  | .00 | .10 |
| 6,50     | 8,00     | 53 | 91 | GZE.065...                  | .00 | .10 |
| 6,52     | 8,00     | 53 | 91 | GZE.652...                  | .00 | .10 |
| 6,60     | 8,00     | 53 | 91 | GZE.066...                  | .00 | .10 |
| 6,70     | 8,00     | 53 | 91 | GZE.067...                  | .00 | .10 |
| 6,80     | 8,00     | 53 | 91 | GZE.068...                  | .00 | .10 |

# VHM-Spiralbohrer 5xD

Solid carbide drill 5xD



Artikel-Nr. GZE...

| D1<br>m7 | D2<br>h6 | L2 | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-----------------------------|-----|-----|
| 6,82     | 8,00     | 53 | 91  | GZE.682...                  | .00 | .10 |
| 6,90     | 8,00     | 53 | 91  | GZE.069...                  | .00 | .10 |
| 7,00     | 8,00     | 53 | 91  | GZE.070...                  | .00 | .10 |
| 7,02     | 8,00     | 53 | 91  | GZE.702...                  | .00 | .10 |
| 7,10     | 8,00     | 53 | 91  | GZE.071...                  | .00 | .10 |
| 7,20     | 8,00     | 53 | 91  | GZE.072...                  | .00 | .10 |
| 7,30     | 8,00     | 53 | 91  | GZE.073...                  | .00 | .10 |
| 7,40     | 8,00     | 53 | 91  | GZE.074...                  | .00 | .10 |
| 7,45     | 8,00     | 53 | 91  | GZE.745...                  | .00 | .10 |
| 7,50     | 8,00     | 53 | 91  | GZE.075...                  | .00 | .10 |
| 7,52     | 8,00     | 53 | 91  | GZE.752...                  | .00 | .10 |
| 7,60     | 8,00     | 53 | 91  | GZE.076...                  | .00 | .10 |
| 7,65     | 8,00     | 53 | 91  | GZE.765...                  | .00 | .10 |
| 7,70     | 8,00     | 53 | 91  | GZE.077...                  | .00 | .10 |
| 7,80     | 8,00     | 53 | 91  | GZE.078...                  | .00 | .10 |
| 7,82     | 8,00     | 53 | 91  | GZE.782...                  | .00 | .10 |
| 7,90     | 8,00     | 53 | 91  | GZE.079...                  | .00 | .10 |
| 8,00     | 8,00     | 53 | 91  | GZE.080...                  | .00 | .10 |
| 8,02     | 8,00     | 53 | 91  | GZE.802...                  | .00 | .10 |
| 8,10     | 10,00    | 61 | 103 | GZE.081...                  | .00 | .10 |
| 8,20     | 10,00    | 61 | 103 | GZE.082...                  | .00 | .10 |
| 8,30     | 10,00    | 61 | 103 | GZE.083...                  | .00 | .10 |
| 8,40     | 10,00    | 61 | 103 | GZE.084...                  | .00 | .10 |
| 8,50     | 10,00    | 61 | 103 | GZE.085...                  | .00 | .10 |
| 8,52     | 10,00    | 61 | 103 | GZE.852...                  | .00 | .10 |
| 8,60     | 10,00    | 61 | 103 | GZE.086...                  | .00 | .10 |
| 8,70     | 10,00    | 61 | 103 | GZE.087...                  | .00 | .10 |
| 8,80     | 10,00    | 61 | 103 | GZE.088...                  | .00 | .10 |
| 8,82     | 10,00    | 61 | 103 | GZE.882...                  | .00 | .10 |
| 8,90     | 10,00    | 61 | 103 | GZE.089...                  | .00 | .10 |
| 9,00     | 10,00    | 61 | 103 | GZE.090...                  | .00 | .10 |
| 9,02     | 10,00    | 61 | 103 | GZE.902...                  | .00 | .10 |
| 9,10     | 10,00    | 61 | 103 | GZE.091...                  | .00 | .10 |
| 9,20     | 10,00    | 61 | 103 | GZE.092...                  | .00 | .10 |
| 9,30     | 10,00    | 61 | 103 | GZE.093...                  | .00 | .10 |
| 9,35     | 10,00    | 61 | 103 | GZE.935...                  | .00 | .10 |
| 9,40     | 10,00    | 61 | 103 | GZE.094...                  | .00 | .10 |
| 9,50     | 10,00    | 61 | 103 | GZE.095...                  | .00 | .10 |
| 9,55     | 10,00    | 61 | 103 | GZE.955...                  | .00 | .10 |
| 9,60     | 10,00    | 61 | 103 | GZE.096...                  | .00 | .10 |
| 9,70     | 10,00    | 61 | 103 | GZE.097...                  | .00 | .10 |
| 9,80     | 10,00    | 61 | 103 | GZE.098...                  | .00 | .10 |
| 9,82     | 10,00    | 61 | 103 | GZE.982...                  | .00 | .10 |
| 9,90     | 10,00    | 61 | 103 | GZE.099...                  | .00 | .10 |
| 10,00    | 10,00    | 61 | 103 | GZE.100...                  | .00 | .10 |
| 10,02    | 10,00    | 61 | 103 | GZE.983...                  | .00 | .10 |

# VHM-Spiralbohrer 5xD

Solid carbide drill 5xD



Artikel-Nr. GZE...

| D1<br>m7 | D2<br>h6 | L2 | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-----------------------------|-----|-----|
| 10,10    | 12,00    | 71 | 118 | GZE.101...                  | .00 | .10 |
| 10,20    | 12,00    | 71 | 118 | GZE.102...                  | .00 | .10 |
| 10,22    | 12,00    | 71 | 118 | GZE.984...                  | .00 | .10 |
| 10,30    | 12,00    | 71 | 118 | GZE.103...                  | .00 | .10 |
| 10,40    | 12,00    | 71 | 118 | GZE.104...                  | .00 | .10 |
| 10,50    | 12,00    | 71 | 118 | GZE.105...                  | .00 | .10 |
| 10,60    | 12,00    | 71 | 118 | GZE.106...                  | .00 | .10 |
| 10,70    | 12,00    | 71 | 118 | GZE.107...                  | .00 | .10 |
| 10,80    | 12,00    | 71 | 118 | GZE.108...                  | .00 | .10 |
| 10,82    | 12,00    | 71 | 118 | GZE.985...                  | .00 | .10 |
| 10,90    | 12,00    | 71 | 118 | GZE.109...                  | .00 | .10 |
| 11,00    | 12,00    | 71 | 118 | GZE.110...                  | .00 | .10 |
| 11,10    | 12,00    | 71 | 118 | GZE.111...                  | .00 | .10 |
| 11,20    | 12,00    | 71 | 118 | GZE.112...                  | .00 | .10 |
| 11,30    | 12,00    | 71 | 118 | GZE.113...                  | .00 | .10 |
| 11,40    | 12,00    | 71 | 118 | GZE.114...                  | .00 | .10 |
| 11,50    | 12,00    | 71 | 118 | GZE.115...                  | .00 | .10 |
| 11,55    | 12,00    | 71 | 118 | GZE.1155...                 | .00 | .10 |
| 11,60    | 12,00    | 71 | 118 | GZE.116...                  | .00 | .10 |
| 11,70    | 12,00    | 71 | 118 | GZE.117...                  | .00 | .10 |
| 11,80    | 12,00    | 71 | 118 | GZE.118...                  | .00 | .10 |
| 11,82    | 12,00    | 71 | 118 | GZE.986...                  | .00 | .10 |
| 11,90    | 12,00    | 71 | 118 | GZE.119...                  | .00 | .10 |
| 12,00    | 12,00    | 71 | 118 | GZE.120...                  | .00 | .10 |
| 12,02    | 12,00    | 71 | 118 | GZE.987...                  | .00 | .10 |
| 12,20    | 14,00    | 77 | 124 | GZE.122...                  | .00 | .10 |
| 12,30    | 14,00    | 77 | 124 | GZE.123...                  | .00 | .10 |
| 12,50    | 14,00    | 77 | 124 | GZE.125...                  | .00 | .10 |
| 12,80    | 14,00    | 77 | 124 | GZE.128...                  | .00 | .10 |
| 13,00    | 14,00    | 77 | 124 | GZE.130...                  | .00 | .10 |
| 13,20    | 14,00    | 77 | 124 | GZE.132...                  | .00 | .10 |
| 13,50    | 14,00    | 77 | 124 | GZE.135...                  | .00 | .10 |
| 13,70    | 14,00    | 77 | 124 | GZE.137...                  | .00 | .10 |
| 13,80    | 14,00    | 77 | 124 | GZE.138...                  | .00 | .10 |
| 14,00    | 14,00    | 77 | 124 | GZE.140...                  | .00 | .10 |
| 14,20    | 16,00    | 83 | 133 | GZE.142...                  | .00 | .10 |
| 14,50    | 16,00    | 83 | 133 | GZE.145...                  | .00 | .10 |
| 14,80    | 16,00    | 83 | 133 | GZE.148...                  | .00 | .10 |
| 15,00    | 16,00    | 83 | 133 | GZE.150...                  | .00 | .10 |
| 15,10    | 16,00    | 83 | 133 | GZE.151...                  | .00 | .10 |
| 15,20    | 16,00    | 83 | 133 | GZE.152...                  | .00 | .10 |
| 15,50    | 16,00    | 83 | 133 | GZE.155...                  | .00 | .10 |
| 15,80    | 16,00    | 83 | 133 | GZE.158...                  | .00 | .10 |
| 16,00    | 16,00    | 83 | 133 | GZE.160...                  | .00 | .10 |
| 16,50    | 18,00    | 93 | 143 | GZE.165...                  | .00 | .10 |
| 16,80    | 18,00    | 93 | 143 | GZE.168...                  | .00 | .10 |

# VHM-Spiralbohrer 5xD

Solid carbide drill 5xD

**1<sup>ST</sup>**  
CHOICE

Artikel-Nr. GZE...

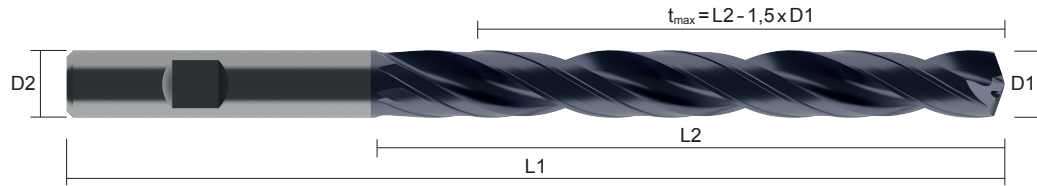
| D1<br>m7 | D2<br>h6 | L2  | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|-----|-----|-----------------------------|-----|-----|
| 17,00    | 18,00    | 93  | 143 | GZE.170...                  | .00 | .10 |
| 17,50    | 18,00    | 93  | 143 | GZE.175...                  | .00 | .10 |
| 17,80    | 18,00    | 93  | 143 | GZE.178...                  | .00 | .10 |
| 18,00    | 18,00    | 93  | 143 | GZE.180...                  | .00 | .10 |
| 18,50    | 20,00    | 101 | 153 | GZE.185...                  | .00 | .10 |
| 19,00    | 20,00    | 101 | 153 | GZE.190...                  | .00 | .10 |
| 19,50    | 20,00    | 101 | 153 | GZE.195...                  | .00 | .10 |
| 20,00    | 20,00    | 101 | 153 | GZE.200...                  | .00 | .10 |

# VHM-Spiralbohrer 8xD

Solid carbide drill 8xD

1<sup>ST</sup> CHOICE

Artikel-Nr. GZH...



| D1<br>h7 | Inch  | D2<br>h6 | L2 | L1 | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|-------|----------|----|----|-----------------------------|-----|-----|
| 1,000    | -     | 3,00     | 11 | 55 | GZH.010...                  | .00 | -   |
| 1,100    | -     | 3,00     | 17 | 55 | GZH.011...                  | .00 | -   |
| 1,200    | -     | 3,00     | 17 | 55 | GZH.012...                  | .00 | -   |
| 1,300    | -     | 3,00     | 17 | 55 | GZH.013...                  | .00 | -   |
| 1,400    | -     | 3,00     | 17 | 55 | GZH.014...                  | .00 | -   |
| 1,500    | -     | 3,00     | 22 | 65 | GZH.015...                  | .00 | -   |
| 1,600    | -     | 3,00     | 22 | 65 | GZH.016...                  | .00 | -   |
| 1,700    | -     | 3,00     | 22 | 65 | GZH.017...                  | .00 | -   |
| 1,800    | -     | 3,00     | 22 | 65 | GZH.018...                  | .00 | -   |
| 1,900    | -     | 3,00     | 22 | 65 | GZH.019...                  | .00 | -   |
| 2,000    | -     | 3,00     | 28 | 74 | GZH.020...                  | .00 | -   |
| 2,100    | -     | 3,00     | 28 | 74 | GZH.021...                  | .00 | -   |
| 2,200    | -     | 3,00     | 28 | 74 | GZH.022...                  | .00 | -   |
| 2,300    | -     | 3,00     | 28 | 74 | GZH.023...                  | .00 | -   |
| 2,400    | -     | 3,00     | 28 | 74 | GZH.024...                  | .00 | -   |
| 2,500    | -     | 3,00     | 32 | 80 | GZH.025...                  | .00 | -   |
| 2,600    | -     | 3,00     | 32 | 80 | GZH.026...                  | .00 | -   |
| 2,700    | -     | 3,00     | 32 | 80 | GZH.027...                  | .00 | -   |
| 2,800    | -     | 3,00     | 32 | 80 | GZH.028...                  | .00 | -   |
| 2,900    | -     | 3,00     | 32 | 80 | GZH.029...                  | .00 | -   |
| 3,000    | -     | 6,00     | 34 | 71 | GZH.030...                  | .00 | .10 |
| 3,100    | -     | 6,00     | 34 | 71 | GZH.031...                  | .00 | .10 |
| 3,175    | 1/8   | 6,00     | 34 | 71 | GZH.3175...                 | .00 | .10 |
| 3,200    | -     | 6,00     | 34 | 71 | GZH.032...                  | .00 | .10 |
| 3,300    | -     | 6,00     | 34 | 71 | GZH.033...                  | .00 | .10 |
| 3,400    | -     | 6,00     | 34 | 71 | GZH.034...                  | .00 | .10 |
| 3,500    | -     | 6,00     | 34 | 71 | GZH.035...                  | .00 | .10 |
| 3,572    | 9/64  | 6,00     | 34 | 71 | GZH.3572...                 | .00 | .10 |
| 3,600    | -     | 6,00     | 34 | 71 | GZH.036...                  | .00 | .10 |
| 3,700    | -     | 6,00     | 34 | 71 | GZH.037...                  | .00 | .10 |
| 3,800    | -     | 6,00     | 43 | 86 | GZH.038...                  | .00 | .10 |
| 3,900    | -     | 6,00     | 43 | 86 | GZH.039...                  | .00 | .10 |
| 3,969    | 5/32  | 6,00     | 43 | 86 | GZH.3969...                 | .00 | .10 |
| 4,000    | -     | 6,00     | 43 | 86 | GZH.040...                  | .00 | .10 |
| 4,100    | -     | 6,00     | 43 | 86 | GZH.041...                  | .00 | .10 |
| 4,200    | -     | 6,00     | 43 | 86 | GZH.042...                  | .00 | .10 |
| 4,300    | -     | 6,00     | 43 | 86 | GZH.043...                  | .00 | .10 |
| 4,366    | 11/64 | 6,00     | 43 | 86 | GZH.4366...                 | .00 | .10 |
| 4,400    | -     | 6,00     | 43 | 86 | GZH.044...                  | .00 | .10 |
| 4,500    | -     | 6,00     | 43 | 86 | GZH.045...                  | .00 | .10 |

# VHM-Spiralbohrer 8xD

Solid carbide drill 8xD



Artikel-Nr. GZH...

| D1<br>h7 | Inch  | D2<br>h6 | L2 | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|-------|----------|----|-----|-----------------------------|-----|-----|
| 4,600    | -     | 6,00     | 43 | 86  | GZH.046...                  | .00 | .10 |
| 4,700    | -     | 6,00     | 57 | 95  | GZH.047...                  | .00 | .10 |
| 4,763    | 3/16  | 6,00     | 57 | 95  | GZH.4763...                 | .00 | .10 |
| 4,800    | -     | 6,00     | 57 | 95  | GZH.048...                  | .00 | .10 |
| 4,900    | -     | 6,00     | 57 | 95  | GZH.049...                  | .00 | .10 |
| 5,000    | -     | 6,00     | 57 | 95  | GZH.050...                  | .00 | .10 |
| 5,100    | -     | 6,00     | 57 | 95  | GZH.051...                  | .00 | .10 |
| 5,159    | 13/64 | 6,00     | 57 | 95  | GZH.5159...                 | .00 | .10 |
| 5,200    | -     | 6,00     | 57 | 95  | GZH.052...                  | .00 | .10 |
| 5,300    | -     | 6,00     | 57 | 95  | GZH.053...                  | .00 | .10 |
| 5,400    | -     | 6,00     | 57 | 95  | GZH.054...                  | .00 | .10 |
| 5,500    | -     | 6,00     | 57 | 95  | GZH.055...                  | .00 | .10 |
| 5,556    | 7/32  | 6,00     | 57 | 95  | GZH.5556...                 | .00 | .10 |
| 5,600    | -     | 6,00     | 57 | 95  | GZH.056...                  | .00 | .10 |
| 5,700    | -     | 6,00     | 57 | 95  | GZH.057...                  | .00 | .10 |
| 5,800    | -     | 6,00     | 57 | 95  | GZH.058...                  | .00 | .10 |
| 5,900    | -     | 6,00     | 57 | 95  | GZH.059...                  | .00 | .10 |
| 6,000    | -     | 6,00     | 57 | 95  | GZH.060...                  | .00 | .10 |
| 6,100    | -     | 8,00     | 76 | 114 | GZH.061...                  | .00 | .10 |
| 6,200    | -     | 8,00     | 76 | 114 | GZH.062...                  | .00 | .10 |
| 6,300    | -     | 8,00     | 76 | 114 | GZH.063...                  | .00 | .10 |
| 6,350    | 1/4   | 8,00     | 76 | 114 | GZH.6350...                 | .00 | .10 |
| 6,400    | -     | 8,00     | 76 | 114 | GZH.064...                  | .00 | .10 |
| 6,500    | -     | 8,00     | 76 | 114 | GZH.065...                  | .00 | .10 |
| 6,600    | -     | 8,00     | 76 | 114 | GZH.066...                  | .00 | .10 |
| 6,700    | -     | 8,00     | 76 | 114 | GZH.067...                  | .00 | .10 |
| 6,747    | 17/64 | 8,00     | 76 | 114 | GZH.6747...                 | .00 | .10 |
| 6,800    | -     | 8,00     | 76 | 114 | GZH.068...                  | .00 | .10 |
| 6,900    | -     | 8,00     | 76 | 114 | GZH.069...                  | .00 | .10 |
| 7,000    | -     | 8,00     | 76 | 114 | GZH.070...                  | .00 | .10 |
| 7,100    | -     | 8,00     | 76 | 114 | GZH.071...                  | .00 | .10 |
| 7,144    | 9/32  | 8,00     | 76 | 114 | GZH.7144...                 | .00 | .10 |
| 7,200    | -     | 8,00     | 76 | 114 | GZH.072...                  | .00 | .10 |
| 7,300    | -     | 8,00     | 76 | 114 | GZH.073...                  | .00 | .10 |
| 7,400    | -     | 8,00     | 76 | 114 | GZH.074...                  | .00 | .10 |
| 7,500    | -     | 8,00     | 76 | 114 | GZH.075...                  | .00 | .10 |
| 7,541    | 19/64 | 8,00     | 76 | 114 | GZH.7541...                 | .00 | .10 |
| 7,600    | -     | 8,00     | 76 | 114 | GZH.076...                  | .00 | .10 |
| 7,700    | -     | 8,00     | 76 | 114 | GZH.077...                  | .00 | .10 |
| 7,800    | -     | 8,00     | 76 | 114 | GZH.078...                  | .00 | .10 |
| 7,900    | -     | 8,00     | 76 | 114 | GZH.079...                  | .00 | .10 |
| 7,938    | 5/16  | 8,00     | 76 | 114 | GZH.7938...                 | .00 | .10 |
| 8,000    | -     | 8,00     | 76 | 114 | GZH.080...                  | .00 | .10 |
| 8,100    | -     | 10,00    | 95 | 142 | GZH.081...                  | .00 | .10 |
| 8,200    | -     | 10,00    | 95 | 142 | GZH.082...                  | .00 | .10 |
| 8,300    | -     | 10,00    | 95 | 142 | GZH.083...                  | .00 | .10 |

# VHM-Spiralbohrer 8xD

Solid carbide drill 8xD



Artikel-Nr. GZH...

| D1<br>h7 | Inch  | D2<br>h6 | L2  | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|-------|----------|-----|-----|-----------------------------|-----|-----|
| 8,400    | -     | 10,00    | 95  | 142 | GZH.084...                  | .00 | .10 |
| 8,500    | -     | 10,00    | 95  | 142 | GZH.085...                  | .00 | .10 |
| 8,600    | -     | 10,00    | 95  | 142 | GZH.086...                  | .00 | .10 |
| 8,700    | -     | 10,00    | 95  | 142 | GZH.087...                  | .00 | .10 |
| 8,731    | 11/32 | 10,00    | 95  | 142 | GZH.8731...                 | .00 | .10 |
| 8,800    | -     | 10,00    | 95  | 142 | GZH.088...                  | .00 | .10 |
| 8,900    | -     | 10,00    | 95  | 142 | GZH.089...                  | .00 | .10 |
| 9,000    | -     | 10,00    | 95  | 142 | GZH.090...                  | .00 | .10 |
| 9,100    | -     | 10,00    | 95  | 142 | GZH.091...                  | .00 | .10 |
| 9,128    | 23/64 | 10,00    | 95  | 142 | GZH.9128...                 | .00 | .10 |
| 9,200    | -     | 10,00    | 95  | 142 | GZH.092...                  | .00 | .10 |
| 9,300    | -     | 10,00    | 95  | 142 | GZH.093...                  | .00 | .10 |
| 9,400    | -     | 10,00    | 95  | 142 | GZH.094...                  | .00 | .10 |
| 9,500    | -     | 10,00    | 95  | 142 | GZH.095...                  | .00 | .10 |
| 9,525    | 3/8   | 10,00    | 95  | 142 | GZH.9525...                 | .00 | .10 |
| 9,600    | -     | 10,00    | 95  | 142 | GZH.096...                  | .00 | .10 |
| 9,700    | -     | 10,00    | 95  | 142 | GZH.097...                  | .00 | .10 |
| 9,800    | -     | 10,00    | 95  | 142 | GZH.098...                  | .00 | .10 |
| 9,900    | -     | 10,00    | 95  | 142 | GZH.099...                  | .00 | .10 |
| 9,922    | 25/64 | 10,00    | 95  | 142 | GZH.9922...                 | .00 | .10 |
| 10,000   | -     | 10,00    | 95  | 142 | GZH.100...                  | .00 | .10 |
| 10,100   | -     | 12,00    | 114 | 162 | GZH.101...                  | .00 | .10 |
| 10,200   | -     | 12,00    | 114 | 162 | GZH.102...                  | .00 | .10 |
| 10,300   | -     | 12,00    | 114 | 162 | GZH.103...                  | .00 | .10 |
| 10,319   | 13/32 | 12,00    | 114 | 162 | GZH.10319...                | .00 | .10 |
| 10,400   | -     | 12,00    | 114 | 162 | GZH.104...                  | .00 | .10 |
| 10,500   | -     | 12,00    | 114 | 162 | GZH.105...                  | .00 | .10 |
| 10,600   | -     | 12,00    | 114 | 162 | GZH.106...                  | .00 | .10 |
| 10,700   | -     | 12,00    | 114 | 162 | GZH.107...                  | .00 | .10 |
| 10,716   | 27/64 | 12,00    | 114 | 162 | GZH.10716...                | .00 | .10 |
| 10,800   | -     | 12,00    | 114 | 162 | GZH.108...                  | .00 | .10 |
| 10,900   | -     | 12,00    | 114 | 162 | GZH.109...                  | .00 | .10 |
| 11,000   | -     | 12,00    | 114 | 162 | GZH.110...                  | .00 | .10 |
| 11,100   | -     | 12,00    | 114 | 162 | GZH.111...                  | .00 | .10 |
| 11,113   | 7/16  | 12,00    | 114 | 162 | GZH.11113...                | .00 | .10 |
| 11,200   | -     | 12,00    | 114 | 162 | GZH.112...                  | .00 | .10 |
| 11,300   | -     | 12,00    | 114 | 162 | GZH.113...                  | .00 | .10 |
| 11,400   | -     | 12,00    | 114 | 162 | GZH.114...                  | .00 | .10 |
| 11,500   | -     | 12,00    | 114 | 162 | GZH.115...                  | .00 | .10 |
| 11,509   | 29/64 | 12,00    | 114 | 162 | GZH.11509...                | .00 | .10 |
| 11,600   | -     | 12,00    | 114 | 162 | GZH.116...                  | .00 | .10 |
| 11,700   | -     | 12,00    | 114 | 162 | GZH.117...                  | .00 | .10 |
| 11,800   | -     | 12,00    | 114 | 162 | GZH.118...                  | .00 | .10 |
| 11,900   | -     | 12,00    | 114 | 162 | GZH.119...                  | .00 | .10 |
| 11,906   | 15/32 | 12,00    | 114 | 162 | GZH.11906...                | .00 | .10 |
| 12,000   | -     | 12,00    | 114 | 162 | GZH.120...                  | .00 | .10 |

# VHM-Spiralbohrer 8xD

Solid carbide drill 8xD



Artikel-Nr. GZH...

| D1<br>h7 | Inch  | D2<br>h6 | L2  | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|-------|----------|-----|-----|-----------------------------|-----|-----|
| 12,303   | 31/64 | 14,00    | 133 | 184 | GZH.12303...                | .00 | .10 |
| 12,500   | -     | 14,00    | 133 | 184 | GZH.125...                  | .00 | .10 |
| 12,700   | 1/2   | 14,00    | 133 | 184 | GZH.12700...                | .00 | .10 |
| 12,800   | -     | 14,00    | 133 | 184 | GZH.128...                  | .00 | .10 |
| 13,000   | -     | 14,00    | 133 | 184 | GZH.130...                  | .00 | .10 |
| 13,494   | 17/32 | 14,00    | 133 | 184 | GZH.13494...                | .00 | .10 |
| 13,500   | -     | 14,00    | 133 | 184 | GZH.135...                  | .00 | .10 |
| 14,000   | -     | 14,00    | 133 | 184 | GZH.140...                  | .00 | .10 |
| 14,288   | 9/16  | 16,00    | 152 | 203 | GZH.14288...                | .00 | .10 |
| 14,500   | -     | 16,00    | 152 | 203 | GZH.145...                  | .00 | .10 |
| 15,000   | -     | 16,00    | 152 | 203 | GZH.150...                  | .00 | .10 |
| 15,500   | -     | 16,00    | 152 | 203 | GZH.155...                  | .00 | .10 |
| 15,875   | 5/8   | 16,00    | 152 | 203 | GZH.15875...                | .00 | .10 |
| 16,000   | -     | 16,00    | 152 | 203 | GZH.160...                  | .00 | .10 |
| 16,500   | -     | 18,00    | 171 | 222 | GZH.165...                  | .00 | .10 |
| 17,000   | -     | 18,00    | 171 | 222 | GZH.170...                  | .00 | .10 |
| 17,500   | -     | 18,00    | 171 | 222 | GZH.175...                  | .00 | .10 |
| 18,000   | -     | 18,00    | 171 | 222 | GZH.180...                  | .00 | .10 |
| 18,500   | -     | 20,00    | 190 | 243 | GZH.185...                  | .00 | .10 |
| 19,000   | -     | 20,00    | 190 | 243 | GZH.190...                  | .00 | .10 |
| 20,000   | -     | 20,00    | 190 | 243 | GZH.200...                  | .00 | .10 |

# VHM-Spiralbohrer 12xD

Solid carbide drill 12xD

**1<sup>ST</sup> CHOICE**

Artikel-Nr. GAZ...

TYPE  
N-W

2

135°

4

IK

HA

HB

TIALN

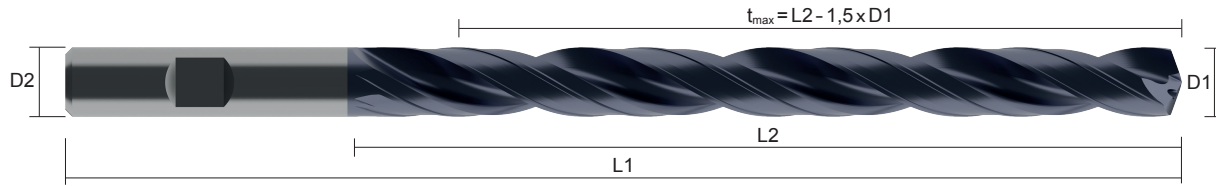
HP

steel

GG(G)

z

12xD



| D1<br>h7 | Inch  | D2<br>h6 | L2 | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|-------|----------|----|-----|-----------------------------|-----|-----|
| 1,000    | -     | 3,00     | 15 | 55  | GAZ.010...                  | .00 | -   |
| 1,100    | -     | 3,00     | 23 | 55  | GAZ.011...                  | .00 | -   |
| 1,200    | -     | 3,00     | 23 | 55  | GAZ.012...                  | .00 | -   |
| 1,300    | -     | 3,00     | 23 | 55  | GAZ.013...                  | .00 | -   |
| 1,400    | -     | 3,00     | 23 | 55  | GAZ.014...                  | .00 | -   |
| 1,500    | -     | 3,00     | 30 | 65  | GAZ.015...                  | .00 | -   |
| 1,600    | -     | 3,00     | 30 | 65  | GAZ.016...                  | .00 | -   |
| 1,700    | -     | 3,00     | 30 | 65  | GAZ.017...                  | .00 | -   |
| 1,800    | -     | 3,00     | 30 | 65  | GAZ.018...                  | .00 | -   |
| 1,900    | -     | 3,00     | 30 | 65  | GAZ.019...                  | .00 | -   |
| 2,000    | -     | 3,00     | 38 | 74  | GAZ.020...                  | .00 | -   |
| 2,100    | -     | 3,00     | 38 | 74  | GAZ.021...                  | .00 | -   |
| 2,200    | -     | 3,00     | 38 | 74  | GAZ.022...                  | .00 | -   |
| 2,300    | -     | 3,00     | 38 | 74  | GAZ.023...                  | .00 | -   |
| 2,400    | -     | 3,00     | 38 | 74  | GAZ.024...                  | .00 | -   |
| 2,500    | -     | 3,00     | 44 | 81  | GAZ.025...                  | .00 | -   |
| 2,600    | -     | 3,00     | 44 | 81  | GAZ.026...                  | .00 | -   |
| 2,700    | -     | 3,00     | 44 | 81  | GAZ.027...                  | .00 | -   |
| 2,800    | -     | 3,00     | 44 | 81  | GAZ.028...                  | .00 | -   |
| 2,900    | -     | 3,00     | 44 | 81  | GAZ.029...                  | .00 | -   |
| 3,000    | -     | 6,00     | 54 | 92  | GAZ.030...                  | .00 | .10 |
| 3,100    | -     | 6,00     | 54 | 92  | GAZ.031...                  | .00 | .10 |
| 3,175    | 1/8   | 6,00     | 54 | 92  | GAZ.3175...                 | .00 | .10 |
| 3,200    | -     | 6,00     | 54 | 92  | GAZ.032...                  | .00 | .10 |
| 3,300    | -     | 6,00     | 54 | 92  | GAZ.033...                  | .00 | .10 |
| 3,400    | -     | 6,00     | 54 | 92  | GAZ.034...                  | .00 | .10 |
| 3,500    | -     | 6,00     | 54 | 92  | GAZ.035...                  | .00 | .10 |
| 3,572    | 9/64  | 6,00     | 54 | 92  | GAZ.3572...                 | .00 | .10 |
| 3,600    | -     | 6,00     | 54 | 92  | GAZ.036...                  | .00 | .10 |
| 3,700    | -     | 6,00     | 54 | 92  | GAZ.037...                  | .00 | .10 |
| 3,800    | -     | 6,00     | 64 | 102 | GAZ.038...                  | .00 | .10 |
| 3,900    | -     | 6,00     | 64 | 102 | GAZ.039...                  | .00 | .10 |
| 3,969    | 5/32  | 6,00     | 64 | 102 | GAZ.3969...                 | .00 | .10 |
| 4,000    | -     | 6,00     | 64 | 102 | GAZ.040...                  | .00 | .10 |
| 4,100    | -     | 6,00     | 64 | 102 | GAZ.041...                  | .00 | .10 |
| 4,200    | -     | 6,00     | 64 | 102 | GAZ.042...                  | .00 | .10 |
| 4,300    | -     | 6,00     | 64 | 102 | GAZ.043...                  | .00 | .10 |
| 4,366    | 11/64 | 6,00     | 64 | 102 | GAZ.4366...                 | .00 | .10 |
| 4,400    | -     | 6,00     | 64 | 102 | GAZ.044...                  | .00 | .10 |
| 4,500    | -     | 6,00     | 64 | 102 | GAZ.045...                  | .00 | .10 |

# VHM-Spiralbohrer 12xD

Solid carbide drill 12xD



Artikel-Nr. GAZ...

| D1<br>h7 | Inch  | D2<br>h6 | L2  | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|-------|----------|-----|-----|-----------------------------|-----|-----|
| 4,600    | -     | 6,00     | 64  | 102 | GAZ.046...                  | .00 | .10 |
| 4,700    | -     | 6,00     | 64  | 102 | GAZ.047...                  | .00 | .10 |
| 4,763    | 3/16  | 6,00     | 78  | 118 | GAZ.4763...                 | .00 | .10 |
| 4,800    | -     | 6,00     | 78  | 118 | GAZ.048...                  | .00 | .10 |
| 4,900    | -     | 6,00     | 78  | 118 | GAZ.049...                  | .00 | .10 |
| 5,000    | -     | 6,00     | 78  | 118 | GAZ.050...                  | .00 | .10 |
| 5,100    | -     | 6,00     | 78  | 118 | GAZ.051...                  | .00 | .10 |
| 5,159    | 13/64 | 6,00     | 78  | 118 | GAZ.5159...                 | .00 | .10 |
| 5,200    | -     | 6,00     | 78  | 118 | GAZ.052...                  | .00 | .10 |
| 5,300    | -     | 6,00     | 78  | 118 | GAZ.053...                  | .00 | .10 |
| 5,400    | -     | 6,00     | 78  | 118 | GAZ.054...                  | .00 | .10 |
| 5,500    | -     | 6,00     | 78  | 118 | GAZ.055...                  | .00 | .10 |
| 5,556    | 7/32  | 6,00     | 78  | 118 | GAZ.5556...                 | .00 | .10 |
| 5,600    | -     | 6,00     | 78  | 118 | GAZ.056...                  | .00 | .10 |
| 5,700    | -     | 6,00     | 78  | 118 | GAZ.057...                  | .00 | .10 |
| 5,800    | -     | 6,00     | 78  | 118 | GAZ.058...                  | .00 | .10 |
| 5,900    | -     | 6,00     | 78  | 118 | GAZ.059...                  | .00 | .10 |
| 6,000    | -     | 6,00     | 78  | 118 | GAZ.060...                  | .00 | .10 |
| 6,100    | -     | 8,00     | 108 | 146 | GAZ.061...                  | .00 | .10 |
| 6,200    | -     | 8,00     | 108 | 146 | GAZ.062...                  | .00 | .10 |
| 6,300    | -     | 8,00     | 108 | 146 | GAZ.063...                  | .00 | .10 |
| 6,350    | 1/4   | 8,00     | 108 | 146 | GAZ.6350...                 | .00 | .10 |
| 6,400    | -     | 8,00     | 108 | 146 | GAZ.064...                  | .00 | .10 |
| 6,500    | -     | 8,00     | 108 | 146 | GAZ.065...                  | .00 | .10 |
| 6,600    | -     | 8,00     | 108 | 146 | GAZ.066...                  | .00 | .10 |
| 6,700    | -     | 8,00     | 108 | 146 | GAZ.067...                  | .00 | .10 |
| 6,747    | 17/64 | 8,00     | 108 | 146 | GAZ.6747...                 | .00 | .10 |
| 6,800    | -     | 8,00     | 108 | 146 | GAZ.068...                  | .00 | .10 |
| 6,900    | -     | 8,00     | 108 | 146 | GAZ.069...                  | .00 | .10 |
| 7,000    | -     | 8,00     | 108 | 146 | GAZ.070...                  | .00 | .10 |
| 7,100    | -     | 8,00     | 108 | 146 | GAZ.071...                  | .00 | .10 |
| 7,144    | 9/32  | 8,00     | 108 | 146 | GAZ.7144...                 | .00 | .10 |
| 7,200    | -     | 8,00     | 108 | 146 | GAZ.072...                  | .00 | .10 |
| 7,300    | -     | 8,00     | 108 | 146 | GAZ.073...                  | .00 | .10 |
| 7,400    | -     | 8,00     | 108 | 146 | GAZ.074...                  | .00 | .10 |
| 7,500    | -     | 8,00     | 108 | 146 | GAZ.075...                  | .00 | .10 |
| 7,541    | 19/64 | 8,00     | 108 | 146 | GAZ.7541...                 | .00 | .10 |
| 7,600    | -     | 8,00     | 108 | 146 | GAZ.076...                  | .00 | .10 |
| 7,700    | -     | 8,00     | 108 | 146 | GAZ.077...                  | .00 | .10 |
| 7,800    | -     | 8,00     | 108 | 146 | GAZ.078...                  | .00 | .10 |
| 7,900    | -     | 8,00     | 108 | 146 | GAZ.079...                  | .00 | .10 |
| 7,938    | 5/16  | 8,00     | 108 | 146 | GAZ.7938...                 | .00 | .10 |
| 8,000    | -     | 8,00     | 108 | 146 | GAZ.080...                  | .00 | .10 |
| 8,100    | -     | 10,00    | 120 | 162 | GAZ.081...                  | .00 | .10 |
| 8,200    | -     | 10,00    | 120 | 162 | GAZ.082...                  | .00 | .10 |
| 8,300    | -     | 10,00    | 120 | 162 | GAZ.083...                  | .00 | .10 |

# VHM-Spiralbohrer 12xD

Solid carbide drill 12xD



Artikel-Nr. GAZ...

| D1<br>h7 | Inch  | D2<br>h6 | L2  | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|-------|----------|-----|-----|-----------------------------|-----|-----|
| 8,400    | -     | 10,00    | 120 | 162 | GAZ.084...                  | .00 | .10 |
| 8,500    | -     | 10,00    | 120 | 162 | GAZ.085...                  | .00 | .10 |
| 8,600    | -     | 10,00    | 120 | 162 | GAZ.086...                  | .00 | .10 |
| 8,700    | -     | 10,00    | 120 | 162 | GAZ.087...                  | .00 | .10 |
| 8,731    | 11/32 | 10,00    | 120 | 162 | GAZ.8731...                 | .00 | .10 |
| 8,800    | -     | 10,00    | 120 | 162 | GAZ.088...                  | .00 | .10 |
| 8,900    | -     | 10,00    | 120 | 162 | GAZ.089...                  | .00 | .10 |
| 9,000    | -     | 10,00    | 120 | 162 | GAZ.090...                  | .00 | .10 |
| 9,100    | -     | 10,00    | 120 | 162 | GAZ.091...                  | .00 | .10 |
| 9,128    | 23/64 | 10,00    | 120 | 162 | GAZ.9128...                 | .00 | .10 |
| 9,200    | -     | 10,00    | 120 | 162 | GAZ.092...                  | .00 | .10 |
| 9,300    | -     | 10,00    | 120 | 162 | GAZ.093...                  | .00 | .10 |
| 9,400    | -     | 10,00    | 120 | 162 | GAZ.094...                  | .00 | .10 |
| 9,500    | -     | 10,00    | 120 | 162 | GAZ.095...                  | .00 | .10 |
| 9,525    | 3/8   | 10,00    | 120 | 162 | GAZ.9525...                 | .00 | .10 |
| 9,600    | -     | 10,00    | 120 | 162 | GAZ.096...                  | .00 | .10 |
| 9,700    | -     | 10,00    | 120 | 162 | GAZ.097...                  | .00 | .10 |
| 9,800    | -     | 10,00    | 120 | 162 | GAZ.098...                  | .00 | .10 |
| 9,900    | -     | 10,00    | 120 | 162 | GAZ.099...                  | .00 | .10 |
| 9,922    | 25/64 | 10,00    | 120 | 162 | GAZ.9922...                 | .00 | .10 |
| 10,000   | -     | 10,00    | 120 | 162 | GAZ.100...                  | .00 | .10 |
| 10,100   | -     | 12,00    | 156 | 204 | GAZ.101...                  | .00 | .10 |
| 10,200   | -     | 12,00    | 156 | 204 | GAZ.102...                  | .00 | .10 |
| 10,300   | -     | 12,00    | 156 | 204 | GAZ.103...                  | .00 | .10 |
| 10,319   | 13/32 | 12,00    | 156 | 204 | GAZ.10319...                | .00 | .10 |
| 10,400   | -     | 12,00    | 156 | 204 | GAZ.104...                  | .00 | .10 |
| 10,500   | -     | 12,00    | 156 | 204 | GAZ.105...                  | .00 | .10 |
| 10,600   | -     | 12,00    | 156 | 204 | GAZ.106...                  | .00 | .10 |
| 10,700   | -     | 12,00    | 156 | 204 | GAZ.107...                  | .00 | .10 |
| 10,716   | 27/64 | 12,00    | 156 | 204 | GAZ.10716...                | .00 | .10 |
| 10,800   | -     | 12,00    | 156 | 204 | GAZ.108...                  | .00 | .10 |
| 10,900   | -     | 12,00    | 156 | 204 | GAZ.109...                  | .00 | .10 |
| 11,000   | -     | 12,00    | 156 | 204 | GAZ.110...                  | .00 | .10 |
| 11,100   | -     | 12,00    | 156 | 204 | GAZ.111...                  | .00 | .10 |
| 11,113   | 7/16  | 12,00    | 156 | 204 | GAZ.11113...                | .00 | .10 |
| 11,200   | -     | 12,00    | 156 | 204 | GAZ.112...                  | .00 | .10 |
| 11,300   | -     | 12,00    | 156 | 204 | GAZ.113...                  | .00 | .10 |
| 11,400   | -     | 12,00    | 156 | 204 | GAZ.114...                  | .00 | .10 |
| 11,500   | -     | 12,00    | 156 | 204 | GAZ.115...                  | .00 | .10 |
| 11,509   | 29/64 | 12,00    | 156 | 204 | GAZ.11509...                | .00 | .10 |
| 11,600   | -     | 12,00    | 156 | 204 | GAZ.116...                  | .00 | .10 |
| 11,700   | -     | 12,00    | 156 | 204 | GAZ.117...                  | .00 | .10 |
| 11,800   | -     | 12,00    | 156 | 204 | GAZ.118...                  | .00 | .10 |
| 11,900   | -     | 12,00    | 156 | 204 | GAZ.119...                  | .00 | .10 |
| 11,906   | 15/32 | 12,00    | 156 | 204 | GAZ.11906...                | .00 | .10 |
| 12,000   | -     | 12,00    | 156 | 204 | GAZ.120...                  | .00 | .10 |

# VHM-Spiralbohrer 12xD

Solid carbide drill 12xD

**1<sup>ST</sup> CHOICE**

Artikel-Nr. GAZ...

| D1<br>h7 | Inch  | D2<br>h6 | L2  | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|-------|----------|-----|-----|-----------------------------|-----|-----|
| 12,303   | 31/64 | 14,00    | 182 | 230 | GAZ.12303...                | .00 | .10 |
| 12,500   | -     | 14,00    | 182 | 230 | GAZ.125...                  | .00 | .10 |
| 12,700   | 1/2   | 14,00    | 182 | 230 | GAZ.127...                  | .00 | .10 |
| 12,800   | -     | 14,00    | 182 | 230 | GAZ.128...                  | .00 | .10 |
| 13,000   | -     | 14,00    | 182 | 230 | GAZ.130...                  | .00 | .10 |
| 13,494   | 17/32 | 14,00    | 182 | 230 | GAZ.13494...                | .00 | .10 |
| 13,500   | -     | 14,00    | 182 | 230 | GAZ.135...                  | .00 | .10 |
| 13,800   | -     | 14,00    | 182 | 230 | GAZ.138...                  | .00 | .10 |
| 14,000   | -     | 14,00    | 182 | 230 | GAZ.140...                  | .00 | .10 |
| 14,288   | 9/16  | 16,00    | 208 | 260 | GAZ.14288...                | .00 | .10 |
| 14,500   | -     | 16,00    | 208 | 260 | GAZ.145...                  | .00 | .10 |
| 14,800   | -     | 16,00    | 208 | 260 | GAZ.148...                  | .00 | .10 |
| 15,000   | -     | 16,00    | 208 | 260 | GAZ.150...                  | .00 | .10 |
| 15,500   | -     | 16,00    | 208 | 260 | GAZ.155...                  | .00 | .10 |
| 15,800   | -     | 16,00    | 208 | 260 | GAZ.158...                  | .00 | .10 |
| 15,875   | 5/8   | 16,00    | 208 | 260 | GAZ.15875...                | .00 | .10 |
| 16,000   | -     | 16,00    | 208 | 260 | GAZ.160...                  | .00 | .10 |
| 16,500   | -     | 18,00    | 234 | 285 | GAZ.165...                  | .00 | .10 |
| 16,800   | -     | 18,00    | 234 | 285 | GAZ.168...                  | .00 | .10 |
| 17,000   | -     | 18,00    | 234 | 285 | GAZ.170...                  | .00 | .10 |
| 17,500   | -     | 18,00    | 234 | 285 | GAZ.175...                  | .00 | .10 |
| 17,800   | -     | 18,00    | 234 | 285 | GAZ.178...                  | .00 | .10 |
| 18,000   | -     | 18,00    | 234 | 285 | GAZ.180...                  | .00 | .10 |
| 18,500   | -     | 20,00    | 258 | 310 | GAZ.185...                  | .00 | .10 |
| 18,800   | -     | 20,00    | 258 | 310 | GAZ.188...                  | .00 | .10 |
| 19,000   | -     | 20,00    | 258 | 310 | GAZ.190...                  | .00 | .10 |
| 19,500   | -     | 20,00    | 258 | 310 | GAZ.195...                  | .00 | .10 |
| 19,800   | -     | 20,00    | 258 | 310 | GAZ.198...                  | .00 | .10 |
| 20,000   | -     | 20,00    | 258 | 310 | GAZ.200...                  | .00 | .10 |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD

**1<sup>ST</sup> CHOICE**

Artikel-Nr. GEA...

TYPE  
N-W

2

140°

o.IK

HA

HB

Norm

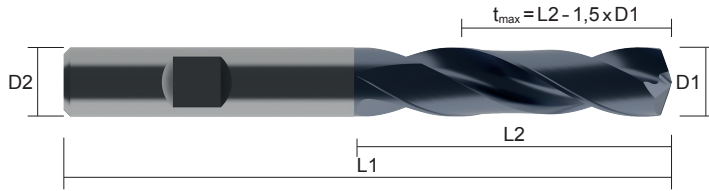
VRC

HP

INOX  
VA

z

3xD



| D1<br>m7 | D2<br>h6 | L2 | L1 | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|----|-----------------------------|-----|-----|
| 1,00     | 4,00     | 7  | 45 | GEA.010...                  | .00 | -   |
| 1,10     | 4,00     | 7  | 45 | GEA.011...                  | .00 | -   |
| 1,20     | 4,00     | 7  | 45 | GEA.012...                  | .00 | -   |
| 1,30     | 4,00     | 7  | 45 | GEA.013...                  | .00 | -   |
| 1,40     | 4,00     | 7  | 45 | GEA.014...                  | .00 | -   |
| 1,50     | 4,00     | 14 | 55 | GEA.015...                  | .00 | -   |
| 1,60     | 4,00     | 14 | 55 | GEA.016...                  | .00 | -   |
| 1,70     | 4,00     | 14 | 55 | GEA.017...                  | .00 | -   |
| 1,80     | 4,00     | 14 | 55 | GEA.018...                  | .00 | -   |
| 1,90     | 4,00     | 14 | 55 | GEA.019...                  | .00 | -   |
| 2,00     | 4,00     | 20 | 55 | GEA.020...                  | .00 | -   |
| 2,10     | 4,00     | 20 | 55 | GEA.021...                  | .00 | -   |
| 2,20     | 4,00     | 20 | 55 | GEA.022...                  | .00 | -   |
| 2,30     | 4,00     | 20 | 55 | GEA.023...                  | .00 | -   |
| 2,40     | 4,00     | 20 | 55 | GEA.024...                  | .00 | -   |
| 2,50     | 4,00     | 20 | 55 | GEA.025...                  | .00 | -   |
| 2,60     | 4,00     | 20 | 55 | GEA.026...                  | .00 | -   |
| 2,70     | 4,00     | 20 | 55 | GEA.027...                  | .00 | -   |
| 2,80     | 4,00     | 20 | 55 | GEA.028...                  | .00 | -   |
| 2,90     | 4,00     | 20 | 55 | GEA.029...                  | .00 | -   |
| 3,00     | 6,00     | 20 | 62 | GEA.030...                  | .00 | .10 |
| 3,10     | 6,00     | 20 | 62 | GEA.031...                  | .00 | .10 |
| 3,20     | 6,00     | 20 | 62 | GEA.032...                  | .00 | .10 |
| 3,25     | 6,00     | 20 | 62 | GEA.325...                  | .00 | .10 |
| 3,30     | 6,00     | 20 | 62 | GEA.033...                  | .00 | .10 |
| 3,40     | 6,00     | 20 | 62 | GEA.034...                  | .00 | .10 |
| 3,50     | 6,00     | 20 | 62 | GEA.035...                  | .00 | .10 |
| 3,60     | 6,00     | 20 | 62 | GEA.036...                  | .00 | .10 |
| 3,70     | 6,00     | 20 | 62 | GEA.037...                  | .00 | .10 |
| 3,80     | 6,00     | 24 | 66 | GEA.038...                  | .00 | .10 |
| 3,90     | 6,00     | 24 | 66 | GEA.039...                  | .00 | .10 |
| 4,00     | 6,00     | 24 | 66 | GEA.040...                  | .00 | .10 |
| 4,10     | 6,00     | 24 | 66 | GEA.041...                  | .00 | .10 |
| 4,20     | 6,00     | 24 | 66 | GEA.042...                  | .00 | .10 |
| 4,30     | 6,00     | 24 | 66 | GEA.043...                  | .00 | .10 |
| 4,40     | 6,00     | 24 | 66 | GEA.044...                  | .00 | .10 |
| 4,50     | 6,00     | 24 | 66 | GEA.045...                  | .00 | .10 |
| 4,60     | 6,00     | 24 | 66 | GEA.046...                  | .00 | .10 |
| 4,65     | 6,00     | 24 | 66 | GEA.465...                  | .00 | .10 |
| 4,70     | 6,00     | 24 | 66 | GEA.047...                  | .00 | .10 |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD



Artikel-Nr. GEA...

TYPE  
N-W

2

140°

o.IK

HA

HB

Norm

VRC

HP

INOX  
VA

z

3xD

| D1<br>m7 | D2<br>h6 | L2 | L1 | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|----|-----------------------------|-----|-----|
| 4,80     | 6,00     | 28 | 66 | GEA.048...                  | .00 | .10 |
| 4,90     | 6,00     | 28 | 66 | GEA.049...                  | .00 | .10 |
| 5,00     | 6,00     | 28 | 66 | GEA.050...                  | .00 | .10 |
| 5,10     | 6,00     | 28 | 66 | GEA.051...                  | .00 | .10 |
| 5,20     | 6,00     | 28 | 66 | GEA.052...                  | .00 | .10 |
| 5,30     | 6,00     | 28 | 66 | GEA.053...                  | .00 | .10 |
| 5,40     | 6,00     | 28 | 66 | GEA.054...                  | .00 | .10 |
| 5,50     | 6,00     | 28 | 66 | GEA.055...                  | .00 | .10 |
| 5,55     | 6,00     | 28 | 66 | GEA.555...                  | .00 | .10 |
| 5,60     | 6,00     | 28 | 66 | GEA.056...                  | .00 | .10 |
| 5,70     | 6,00     | 28 | 66 | GEA.057...                  | .00 | .10 |
| 5,80     | 6,00     | 28 | 66 | GEA.058...                  | .00 | .10 |
| 5,90     | 6,00     | 28 | 66 | GEA.059...                  | .00 | .10 |
| 6,00     | 6,00     | 28 | 66 | GEA.060...                  | .00 | .10 |
| 6,10     | 8,00     | 34 | 79 | GEA.061...                  | .00 | .10 |
| 6,20     | 8,00     | 34 | 79 | GEA.062...                  | .00 | .10 |
| 6,30     | 8,00     | 34 | 79 | GEA.063...                  | .00 | .10 |
| 6,40     | 8,00     | 34 | 79 | GEA.064...                  | .00 | .10 |
| 6,50     | 8,00     | 34 | 79 | GEA.065...                  | .00 | .10 |
| 6,60     | 8,00     | 34 | 79 | GEA.066...                  | .00 | .10 |
| 6,70     | 8,00     | 34 | 79 | GEA.067...                  | .00 | .10 |
| 6,80     | 8,00     | 34 | 79 | GEA.068...                  | .00 | .10 |
| 6,90     | 8,00     | 34 | 79 | GEA.069...                  | .00 | .10 |
| 7,00     | 8,00     | 34 | 79 | GEA.070...                  | .00 | .10 |
| 7,10     | 8,00     | 41 | 79 | GEA.071...                  | .00 | .10 |
| 7,20     | 8,00     | 41 | 79 | GEA.072...                  | .00 | .10 |
| 7,30     | 8,00     | 41 | 79 | GEA.073...                  | .00 | .10 |
| 7,40     | 8,00     | 41 | 79 | GEA.074...                  | .00 | .10 |
| 7,50     | 8,00     | 41 | 79 | GEA.075...                  | .00 | .10 |
| 7,60     | 8,00     | 41 | 79 | GEA.076...                  | .00 | .10 |
| 7,70     | 8,00     | 41 | 79 | GEA.077...                  | .00 | .10 |
| 7,80     | 8,00     | 41 | 79 | GEA.078...                  | .00 | .10 |
| 7,90     | 8,00     | 41 | 79 | GEA.079...                  | .00 | .10 |
| 8,00     | 8,00     | 41 | 79 | GEA.080...                  | .00 | .10 |
| 8,10     | 10,00    | 47 | 89 | GEA.081...                  | .00 | .10 |
| 8,20     | 10,00    | 47 | 89 | GEA.082...                  | .00 | .10 |
| 8,30     | 10,00    | 47 | 89 | GEA.083...                  | .00 | .10 |
| 8,40     | 10,00    | 47 | 89 | GEA.084...                  | .00 | .10 |
| 8,50     | 10,00    | 47 | 89 | GEA.085...                  | .00 | .10 |
| 8,60     | 10,00    | 47 | 89 | GEA.086...                  | .00 | .10 |
| 8,70     | 10,00    | 47 | 89 | GEA.087...                  | .00 | .10 |
| 8,80     | 10,00    | 47 | 89 | GEA.088...                  | .00 | .10 |
| 8,90     | 10,00    | 47 | 89 | GEA.089...                  | .00 | .10 |
| 9,00     | 10,00    | 47 | 89 | GEA.090...                  | .00 | .10 |
| 9,10     | 10,00    | 47 | 89 | GEA.091...                  | .00 | .10 |
| 9,20     | 10,00    | 47 | 89 | GEA.092...                  | .00 | .10 |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD



Artikel-Nr. GEA...

| D1<br>m7 | D2<br>h6 | L2 | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-----------------------------|-----|-----|
| 9,30     | 10,00    | 47 | 89  | GEA.093...                  | .00 | .10 |
| 9,40     | 10,00    | 47 | 89  | GEA.094...                  | .00 | .10 |
| 9,50     | 10,00    | 47 | 89  | GEA.095...                  | .00 | .10 |
| 9,60     | 10,00    | 47 | 89  | GEA.096...                  | .00 | .10 |
| 9,70     | 10,00    | 47 | 89  | GEA.097...                  | .00 | .10 |
| 9,80     | 10,00    | 47 | 89  | GEA.098...                  | .00 | .10 |
| 9,90     | 10,00    | 47 | 89  | GEA.099...                  | .00 | .10 |
| 10,00    | 10,00    | 47 | 89  | GEA.100...                  | .00 | .10 |
| 10,10    | 12,00    | 55 | 102 | GEA.101...                  | .00 | .10 |
| 10,20    | 12,00    | 55 | 102 | GEA.102...                  | .00 | .10 |
| 10,30    | 12,00    | 55 | 102 | GEA.103...                  | .00 | .10 |
| 10,40    | 12,00    | 55 | 102 | GEA.104...                  | .00 | .10 |
| 10,50    | 12,00    | 55 | 102 | GEA.105...                  | .00 | .10 |
| 10,60    | 12,00    | 55 | 102 | GEA.106...                  | .00 | .10 |
| 10,70    | 12,00    | 55 | 102 | GEA.107...                  | .00 | .10 |
| 10,80    | 12,00    | 55 | 102 | GEA.108...                  | .00 | .10 |
| 10,90    | 12,00    | 55 | 102 | GEA.109...                  | .00 | .10 |
| 11,00    | 12,00    | 55 | 102 | GEA.110...                  | .00 | .10 |
| 11,10    | 12,00    | 55 | 102 | GEA.111...                  | .00 | .10 |
| 11,20    | 12,00    | 55 | 102 | GEA.112...                  | .00 | .10 |
| 11,30    | 12,00    | 55 | 102 | GEA.113...                  | .00 | .10 |
| 11,40    | 12,00    | 55 | 102 | GEA.114...                  | .00 | .10 |
| 11,50    | 12,00    | 55 | 102 | GEA.115...                  | .00 | .10 |
| 11,60    | 12,00    | 55 | 102 | GEA.116...                  | .00 | .10 |
| 11,70    | 12,00    | 55 | 102 | GEA.117...                  | .00 | .10 |
| 11,80    | 12,00    | 55 | 102 | GEA.118...                  | .00 | .10 |
| 11,90    | 12,00    | 55 | 102 | GEA.119...                  | .00 | .10 |
| 12,00    | 12,00    | 55 | 102 | GEA.120...                  | .00 | .10 |
| 12,20    | 14,00    | 60 | 107 | GEA.122...                  | .00 | .10 |
| 12,30    | 14,00    | 60 | 107 | GEA.123...                  | .00 | .10 |
| 12,50    | 14,00    | 60 | 107 | GEA.125...                  | .00 | .10 |
| 12,80    | 14,00    | 60 | 107 | GEA.128...                  | .00 | .10 |
| 13,00    | 14,00    | 60 | 107 | GEA.130...                  | .00 | .10 |
| 13,50    | 14,00    | 60 | 107 | GEA.135...                  | .00 | .10 |
| 13,80    | 14,00    | 60 | 107 | GEA.138...                  | .00 | .10 |
| 14,00    | 14,00    | 60 | 107 | GEA.140...                  | .00 | .10 |
| 14,20    | 16,00    | 65 | 115 | GEA.142...                  | .00 | .10 |
| 14,50    | 16,00    | 65 | 115 | GEA.145...                  | .00 | .10 |
| 14,80    | 16,00    | 65 | 115 | GEA.148...                  | .00 | .10 |
| 15,00    | 16,00    | 65 | 115 | GEA.150...                  | .00 | .10 |
| 15,10    | 16,00    | 65 | 115 | GEA.151...                  | .00 | .10 |
| 15,20    | 16,00    | 65 | 115 | GEA.152...                  | .00 | .10 |
| 15,50    | 16,00    | 65 | 115 | GEA.155...                  | .00 | .10 |
| 15,80    | 16,00    | 65 | 115 | GEA.158...                  | .00 | .10 |
| 16,00    | 16,00    | 65 | 115 | GEA.160...                  | .00 | .10 |
| 16,50    | 18,00    | 73 | 123 | GEA.165...                  | .00 | .10 |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD

**1<sup>ST</sup> CHOICE**

Artikel-Nr. GEA...

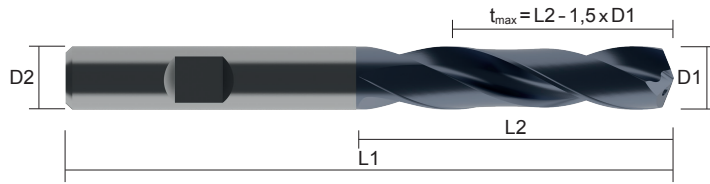
| D1<br>m7 | D2<br>h6 | L2 | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-----------------------------|-----|-----|
| 16,80    | 18,00    | 73 | 123 | GEA.168...                  | .00 | .10 |
| 17,00    | 18,00    | 73 | 123 | GEA.170...                  | .00 | .10 |
| 17,30    | 18,00    | 73 | 123 | GEA.173...                  | .00 | .10 |
| 17,50    | 18,00    | 73 | 123 | GEA.175...                  | .00 | .10 |
| 17,70    | 18,00    | 73 | 123 | GEA.177...                  | .00 | .10 |
| 17,80    | 18,00    | 73 | 123 | GEA.178...                  | .00 | .10 |
| 18,00    | 18,00    | 73 | 123 | GEA.180...                  | .00 | .10 |
| 18,50    | 20,00    | 79 | 131 | GEA.185...                  | .00 | .10 |
| 19,00    | 20,00    | 79 | 131 | GEA.190...                  | .00 | .10 |
| 19,30    | 20,00    | 79 | 131 | GEA.193...                  | .00 | .10 |
| 19,50    | 20,00    | 79 | 131 | GEA.195...                  | .00 | .10 |
| 19,80    | 20,00    | 79 | 131 | GEA.198...                  | .00 | .10 |
| 20,00    | 20,00    | 79 | 131 | GEA.200...                  | .00 | .10 |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD

1<sup>ST</sup> CHOICE

Artikel-Nr. GEB...



| D1<br>m7 | Inch  | D2<br>h6 | L2 | L1 | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|-------|----------|----|----|-----------------------------|-----|-----|
| 3,000    | -     | 6,00     | 20 | 62 | GEB.030...                  | .00 | .10 |
| 3,100    | -     | 6,00     | 20 | 62 | GEB.031...                  | .00 | .10 |
| 3,175    | 1/8   | 6,00     | 20 | 62 | GEB.3175...                 | .00 | .10 |
| 3,200    | -     | 6,00     | 20 | 62 | GEB.032...                  | .00 | .10 |
| 3,250    | -     | 6,00     | 20 | 62 | GEB.325...                  | .00 | .10 |
| 3,300    | -     | 6,00     | 20 | 62 | GEB.033...                  | .00 | .10 |
| 3,400    | -     | 6,00     | 20 | 62 | GEB.034...                  | .00 | .10 |
| 3,500    | -     | 6,00     | 20 | 62 | GEB.035...                  | .00 | .10 |
| 3,572    | 9/64  | 6,00     | 20 | 62 | GEB.3572...                 | .00 | .10 |
| 3,600    | -     | 6,00     | 20 | 62 | GEB.036...                  | .00 | .10 |
| 3,700    | -     | 6,00     | 20 | 62 | GEB.037...                  | .00 | .10 |
| 3,800    | -     | 6,00     | 24 | 66 | GEB.038...                  | .00 | .10 |
| 3,900    | -     | 6,00     | 24 | 66 | GEB.039...                  | .00 | .10 |
| 3,969    | 5/32  | 6,00     | 24 | 66 | GEB.3969...                 | .00 | .10 |
| 4,000    | -     | 6,00     | 24 | 66 | GEB.040...                  | .00 | .10 |
| 4,100    | -     | 6,00     | 24 | 66 | GEB.041...                  | .00 | .10 |
| 4,200    | -     | 6,00     | 24 | 66 | GEB.042...                  | .00 | .10 |
| 4,300    | -     | 6,00     | 24 | 66 | GEB.043...                  | .00 | .10 |
| 4,366    | 11/64 | 6,00     | 24 | 66 | GEB.4366...                 | .00 | .10 |
| 4,400    | -     | 6,00     | 24 | 66 | GEB.044...                  | .00 | .10 |
| 4,500    | -     | 6,00     | 24 | 66 | GEB.045...                  | .00 | .10 |
| 4,600    | -     | 6,00     | 24 | 66 | GEB.046...                  | .00 | .10 |
| 4,650    | -     | 6,00     | 24 | 66 | GEB.465...                  | .00 | .10 |
| 4,700    | -     | 6,00     | 24 | 66 | GEB.047...                  | .00 | .10 |
| 4,763    | 3/16  | 6,00     | 28 | 66 | GEB.4763...                 | .00 | .10 |
| 4,800    | -     | 6,00     | 28 | 66 | GEB.048...                  | .00 | .10 |
| 4,900    | -     | 6,00     | 28 | 66 | GEB.049...                  | .00 | .10 |
| 5,000    | -     | 6,00     | 28 | 66 | GEB.050...                  | .00 | .10 |
| 5,100    | -     | 6,00     | 28 | 66 | GEB.051...                  | .00 | .10 |
| 5,159    | 13/64 | 6,00     | 28 | 66 | GEB.5159...                 | .00 | .10 |
| 5,200    | -     | 6,00     | 28 | 66 | GEB.052...                  | .00 | .10 |
| 5,300    | -     | 6,00     | 28 | 66 | GEB.053...                  | .00 | .10 |
| 5,400    | -     | 6,00     | 28 | 66 | GEB.054...                  | .00 | .10 |
| 5,500    | -     | 6,00     | 28 | 66 | GEB.055...                  | .00 | .10 |
| 5,550    | -     | 6,00     | 28 | 66 | GEB.555...                  | .00 | .10 |
| 5,556    | 7/32  | 6,00     | 28 | 66 | GEB.5556...                 | .00 | .10 |
| 5,600    | -     | 6,00     | 28 | 66 | GEB.056...                  | .00 | .10 |
| 5,700    | -     | 6,00     | 28 | 66 | GEB.057...                  | .00 | .10 |
| 5,800    | -     | 6,00     | 28 | 66 | GEB.058...                  | .00 | .10 |
| 5,900    | -     | 6,00     | 28 | 66 | GEB.059...                  | .00 | .10 |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD



Artikel-Nr. GEB...

| D1<br>m7 | Inch  | D2<br>h6 | L2 | L1 | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|-------|----------|----|----|-----------------------------|-----|-----|
| 6,000    | -     | 6,00     | 28 | 66 | GEB.060...                  | .00 | .10 |
| 6,100    | -     | 8,00     | 34 | 79 | GEB.061...                  | .00 | .10 |
| 6,200    | -     | 8,00     | 34 | 79 | GEB.062...                  | .00 | .10 |
| 6,300    | -     | 8,00     | 34 | 79 | GEB.063...                  | .00 | .10 |
| 6,350    | 1/4   | 8,00     | 34 | 79 | GEB.6350...                 | .00 | .10 |
| 6,400    | -     | 8,00     | 34 | 79 | GEB.064...                  | .00 | .10 |
| 6,500    | -     | 8,00     | 34 | 79 | GEB.065...                  | .00 | .10 |
| 6,600    | -     | 8,00     | 34 | 79 | GEB.066...                  | .00 | .10 |
| 6,700    | -     | 8,00     | 34 | 79 | GEB.067...                  | .00 | .10 |
| 6,747    | 17/64 | 8,00     | 34 | 79 | GEB.6747...                 | .00 | .10 |
| 6,800    | -     | 8,00     | 34 | 79 | GEB.068...                  | .00 | .10 |
| 6,900    | -     | 8,00     | 34 | 79 | GEB.069...                  | .00 | .10 |
| 7,000    | -     | 8,00     | 34 | 79 | GEB.070...                  | .00 | .10 |
| 7,100    | -     | 8,00     | 41 | 79 | GEB.071...                  | .00 | .10 |
| 7,144    | 9/32  | 8,00     | 41 | 79 | GEB.7144...                 | .00 | .10 |
| 7,200    | -     | 8,00     | 41 | 79 | GEB.072...                  | .00 | .10 |
| 7,300    | -     | 8,00     | 41 | 79 | GEB.073...                  | .00 | .10 |
| 7,400    | -     | 8,00     | 41 | 79 | GEB.074...                  | .00 | .10 |
| 7,500    | -     | 8,00     | 41 | 79 | GEB.075...                  | .00 | .10 |
| 7,541    | 19/64 | 8,00     | 41 | 79 | GEB.7541...                 | .00 | .10 |
| 7,600    | -     | 8,00     | 41 | 79 | GEB.076...                  | .00 | .10 |
| 7,700    | -     | 8,00     | 41 | 79 | GEB.077...                  | .00 | .10 |
| 7,800    | -     | 8,00     | 41 | 79 | GEB.078...                  | .00 | .10 |
| 7,900    | -     | 8,00     | 41 | 79 | GEB.079...                  | .00 | .10 |
| 7,938    | 5/16  | 8,00     | 41 | 79 | GEB.7938...                 | .00 | .10 |
| 8,000    | -     | 8,00     | 41 | 79 | GEB.080...                  | .00 | .10 |
| 8,100    | -     | 10,00    | 47 | 89 | GEB.081...                  | .00 | .10 |
| 8,200    | -     | 10,00    | 47 | 89 | GEB.082...                  | .00 | .10 |
| 8,300    | -     | 10,00    | 47 | 89 | GEB.083...                  | .00 | .10 |
| 8,400    | -     | 10,00    | 47 | 89 | GEB.084...                  | .00 | .10 |
| 8,500    | -     | 10,00    | 47 | 89 | GEB.085...                  | .00 | .10 |
| 8,600    | -     | 10,00    | 47 | 89 | GEB.086...                  | .00 | .10 |
| 8,700    | -     | 10,00    | 47 | 89 | GEB.087...                  | .00 | .10 |
| 8,731    | 11/32 | 10,00    | 47 | 89 | GEB.8731...                 | .00 | .10 |
| 8,800    | -     | 10,00    | 47 | 89 | GEB.088...                  | .00 | .10 |
| 8,900    | -     | 10,00    | 47 | 89 | GEB.089...                  | .00 | .10 |
| 9,000    | -     | 10,00    | 47 | 89 | GEB.090...                  | .00 | .10 |
| 9,100    | -     | 10,00    | 47 | 89 | GEB.091...                  | .00 | .10 |
| 9,128    | 23/64 | 10,00    | 47 | 89 | GEB.9128...                 | .00 | .10 |
| 9,200    | -     | 10,00    | 47 | 89 | GEB.092...                  | .00 | .10 |
| 9,300    | -     | 10,00    | 47 | 89 | GEB.093...                  | .00 | .10 |
| 9,400    | -     | 10,00    | 47 | 89 | GEB.094...                  | .00 | .10 |
| 9,500    | -     | 10,00    | 47 | 89 | GEB.095...                  | .00 | .10 |
| 9,525    | 3/8   | 10,00    | 47 | 89 | GEB.9525...                 | .00 | .10 |
| 9,600    | -     | 10,00    | 47 | 89 | GEB.096...                  | .00 | .10 |
| 9,700    | -     | 10,00    | 47 | 89 | GEB.097...                  | .00 | .10 |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD



Artikel-Nr. GEB...

| D1<br>m7 | Inch  | D2<br>h6 | L2 | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|-------|----------|----|-----|-----------------------------|-----|-----|
| 9,800    | -     | 10,00    | 47 | 89  | GEB.098...                  | .00 | .10 |
| 9,900    | -     | 10,00    | 47 | 89  | GEB.099...                  | .00 | .10 |
| 9,922    | 25/64 | 10,00    | 47 | 89  | GEB.9922...                 | .00 | .10 |
| 10,000   | -     | 10,00    | 47 | 89  | GEB.100...                  | .00 | .10 |
| 10,100   | -     | 12,00    | 55 | 102 | GEB.101...                  | .00 | .10 |
| 10,200   | -     | 12,00    | 55 | 102 | GEB.102...                  | .00 | .10 |
| 10,300   | -     | 12,00    | 55 | 102 | GEB.103...                  | .00 | .10 |
| 10,319   | 13/32 | 12,00    | 55 | 102 | GEB.10319...                | .00 | .10 |
| 10,400   | -     | 12,00    | 55 | 102 | GEB.104...                  | .00 | .10 |
| 10,500   | -     | 12,00    | 55 | 102 | GEB.105...                  | .00 | .10 |
| 10,600   | -     | 12,00    | 55 | 102 | GEB.106...                  | .00 | .10 |
| 10,700   | -     | 12,00    | 55 | 102 | GEB.107...                  | .00 | .10 |
| 10,716   | 27/64 | 12,00    | 55 | 102 | GEB.10716...                | .00 | .10 |
| 10,800   | -     | 12,00    | 55 | 102 | GEB.108...                  | .00 | .10 |
| 10,900   | -     | 12,00    | 55 | 102 | GEB.109...                  | .00 | .10 |
| 11,000   | -     | 12,00    | 55 | 102 | GEB.110...                  | .00 | .10 |
| 11,100   | -     | 12,00    | 55 | 102 | GEB.111...                  | .00 | .10 |
| 11,113   | 7/16  | 12,00    | 55 | 102 | GEB.11113...                | .00 | .10 |
| 11,200   | -     | 12,00    | 55 | 102 | GEB.112...                  | .00 | .10 |
| 11,300   | -     | 12,00    | 55 | 102 | GEB.113...                  | .00 | .10 |
| 11,400   | -     | 12,00    | 55 | 102 | GEB.114...                  | .00 | .10 |
| 11,500   | -     | 12,00    | 55 | 102 | GEB.115...                  | .00 | .10 |
| 11,509   | 29/64 | 12,00    | 55 | 102 | GEB.11509...                | .00 | .10 |
| 11,600   | -     | 12,00    | 55 | 102 | GEB.116...                  | .00 | .10 |
| 11,700   | -     | 12,00    | 55 | 102 | GEB.117...                  | .00 | .10 |
| 11,800   | -     | 12,00    | 55 | 102 | GEB.118...                  | .00 | .10 |
| 11,900   | -     | 12,00    | 55 | 102 | GEB.119...                  | .00 | .10 |
| 11,906   | 15/32 | 12,00    | 55 | 102 | GEB.11906...                | .00 | .10 |
| 12,000   | -     | 12,00    | 55 | 102 | GEB.120...                  | .00 | .10 |
| 12,200   | -     | 14,00    | 60 | 107 | GEB.122...                  | .00 | .10 |
| 12,300   | -     | 14,00    | 60 | 107 | GEB.123...                  | .00 | .10 |
| 12,303   | 31/64 | 14,00    | 60 | 107 | GEB.12303...                | .00 | .10 |
| 12,500   | -     | 14,00    | 60 | 107 | GEB.125...                  | .00 | .10 |
| 12,700   | 1/2   | 14,00    | 60 | 107 | GEB.12700...                | .00 | .10 |
| 12,800   | -     | 14,00    | 60 | 107 | GEB.128...                  | .00 | .10 |
| 13,000   | -     | 14,00    | 60 | 107 | GEB.130...                  | .00 | .10 |
| 13,494   | 17/32 | 14,00    | 60 | 107 | GEB.13494...                | .00 | .10 |
| 13,500   | -     | 14,00    | 60 | 107 | GEB.135...                  | .00 | .10 |
| 13,800   | -     | 14,00    | 60 | 107 | GEB.138...                  | .00 | .10 |
| 14,000   | -     | 14,00    | 60 | 107 | GEB.140...                  | .00 | .10 |
| 14,200   | -     | 16,00    | 65 | 115 | GEB.142...                  | .00 | .10 |
| 14,288   | 9/16  | 16,00    | 65 | 115 | GEB.14288...                | .00 | .10 |
| 14,500   | -     | 16,00    | 65 | 115 | GEB.145...                  | .00 | .10 |
| 14,800   | -     | 16,00    | 65 | 115 | GEB.148...                  | .00 | .10 |
| 15,000   | -     | 16,00    | 65 | 115 | GEB.150...                  | .00 | .10 |
| 15,100   | -     | 16,00    | 65 | 115 | GEB.151...                  | .00 | .10 |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD



Artikel-Nr. GEB...

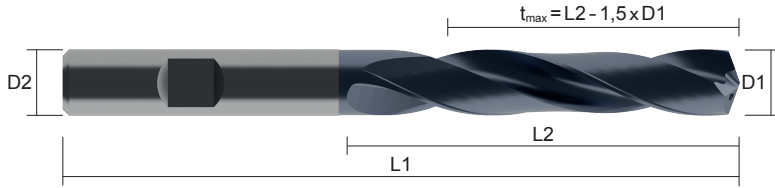
| D1<br>m7 | Inch | D2<br>h6 | L2 | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|------|----------|----|-----|-----------------------------|-----|-----|
| 15,200   | -    | 16,00    | 65 | 115 | GEB.152...                  | .00 | .10 |
| 15,500   | -    | 16,00    | 65 | 115 | GEB.155...                  | .00 | .10 |
| 15,800   | -    | 16,00    | 65 | 115 | GEB.158...                  | .00 | .10 |
| 15,875   | 5/8  | 16,00    | 65 | 115 | GEB.15875...                | .00 | .10 |
| 16,000   | -    | 16,00    | 65 | 115 | GEB.160...                  | .00 | .10 |
| 16,500   | -    | 18,00    | 73 | 123 | GEB.165...                  | .00 | .10 |
| 16,800   | -    | 18,00    | 73 | 123 | GEB.168...                  | .00 | .10 |
| 17,000   | -    | 18,00    | 73 | 123 | GEB.170...                  | .00 | .10 |
| 17,300   | -    | 18,00    | 73 | 123 | GEB.173...                  | .00 | .10 |
| 17,500   | -    | 18,00    | 73 | 123 | GEB.175...                  | .00 | .10 |
| 17,700   | -    | 18,00    | 73 | 123 | GEB.177...                  | .00 | .10 |
| 17,800   | -    | 18,00    | 73 | 123 | GEB.178...                  | .00 | .10 |
| 18,000   | -    | 18,00    | 73 | 123 | GEB.180...                  | .00 | .10 |
| 18,500   | -    | 20,00    | 79 | 131 | GEB.185...                  | .00 | .10 |
| 19,000   | -    | 20,00    | 79 | 131 | GEB.190...                  | .00 | .10 |
| 19,300   | -    | 20,00    | 79 | 131 | GEB.193...                  | .00 | .10 |
| 19,500   | -    | 20,00    | 79 | 131 | GEB.195...                  | .00 | .10 |
| 19,800   | -    | 20,00    | 79 | 131 | GEB.198...                  | .00 | .10 |
| 20,000   | -    | 20,00    | 79 | 131 | GEB.200...                  | .00 | .10 |

# VHM-Spiralbohrer 5xD

Solid carbide drill 5xD



Artikel-Nr. GEC...



| D1<br>m7 | Inch | D2<br>h6 | L2 | L1 | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|------|----------|----|----|-----------------------------|-----|-----|
| 1,000    | -    | 3,00     | 10 | 55 | GEC.010...                  | .00 | -   |
| 1,100    | -    | 3,00     | 12 | 55 | GEC.011...                  | .00 | -   |
| 1,200    | -    | 3,00     | 12 | 55 | GEC.012...                  | .00 | -   |
| 1,300    | -    | 3,00     | 12 | 55 | GEC.013...                  | .00 | -   |
| 1,400    | -    | 3,00     | 12 | 55 | GEC.014...                  | .00 | -   |
| 1,500    | -    | 3,00     | 12 | 55 | GEC.015...                  | .00 | -   |
| 1,600    | -    | 3,00     | 16 | 55 | GEC.016...                  | .00 | -   |
| 1,700    | -    | 3,00     | 16 | 55 | GEC.017...                  | .00 | -   |
| 1,800    | -    | 3,00     | 16 | 55 | GEC.018...                  | .00 | -   |
| 1,900    | -    | 3,00     | 16 | 55 | GEC.019...                  | .00 | -   |
| 2,000    | -    | 3,00     | 21 | 57 | GEC.020...                  | .00 | -   |
| 2,100    | -    | 3,00     | 21 | 57 | GEC.021...                  | .00 | -   |
| 2,200    | -    | 3,00     | 21 | 57 | GEC.022...                  | .00 | -   |
| 2,300    | -    | 3,00     | 21 | 57 | GEC.023...                  | .00 | -   |
| 2,400    | -    | 3,00     | 21 | 57 | GEC.024...                  | .00 | -   |
| 2,500    | -    | 3,00     | 21 | 57 | GEC.025...                  | .00 | -   |
| 2,600    | -    | 3,00     | 21 | 57 | GEC.026...                  | .00 | -   |
| 2,700    | -    | 3,00     | 21 | 57 | GEC.027...                  | .00 | -   |
| 2,800    | -    | 3,00     | 21 | 57 | GEC.028...                  | .00 | -   |
| 2,900    | -    | 3,00     | 21 | 57 | GEC.029...                  | .00 | -   |
| 3,000    | -    | 6,00     | 28 | 66 | GEC.030...                  | .00 | .10 |
| 3,100    | -    | 6,00     | 28 | 66 | GEC.031...                  | .00 | .10 |
| 3,175    | 1/8  | 6,00     | 28 | 66 | GEC.3175...                 | .00 | .10 |
| 3,200    | -    | 6,00     | 28 | 66 | GEC.032...                  | .00 | .10 |
| 3,250    | -    | 6,00     | 28 | 66 | GEC.325...                  | .00 | .10 |
| 3,300    | -    | 6,00     | 28 | 66 | GEC.033...                  | .00 | .10 |
| 3,350    | -    | 6,00     | 28 | 66 | GEC.335...                  | .00 | .10 |
| 3,400    | -    | 6,00     | 28 | 66 | GEC.034...                  | .00 | .10 |
| 3,500    | -    | 6,00     | 28 | 66 | GEC.035...                  | .00 | .10 |
| 3,572    | 9/64 | 6,00     | 28 | 66 | GEC.3572...                 | .00 | .10 |
| 3,600    | -    | 6,00     | 28 | 66 | GEC.036...                  | .00 | .10 |
| 3,650    | -    | 6,00     | 28 | 66 | GEC.365...                  | .00 | .10 |
| 3,700    | -    | 6,00     | 28 | 66 | GEC.037...                  | .00 | .10 |
| 3,800    | -    | 6,00     | 36 | 74 | GEC.038...                  | .00 | .10 |
| 3,900    | -    | 6,00     | 36 | 74 | GEC.039...                  | .00 | .10 |
| 3,969    | 5/32 | 6,00     | 36 | 74 | GEC.3969...                 | .00 | .10 |
| 4,000    | -    | 6,00     | 36 | 74 | GEC.040...                  | .00 | .10 |
| 4,100    | -    | 6,00     | 36 | 74 | GEC.041...                  | .00 | .10 |
| 4,200    | -    | 6,00     | 36 | 74 | GEC.042...                  | .00 | .10 |
| 4,250    | -    | 6,00     | 36 | 74 | GEC.425...                  | .00 | .10 |

# VHM-Spiralbohrer 5xD

Solid carbide drill 5xD



Artikel-Nr. GEC...

| D1<br>m7 | Inch  | D2<br>h6 | L2 | L1 | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|-------|----------|----|----|-----------------------------|-----|-----|
| 4,300    | -     | 6,00     | 36 | 74 | GEC.043...                  | .00 | .10 |
| 4,366    | 11/64 | 6,00     | 36 | 74 | GEC.4366...                 | .00 | .10 |
| 4,400    | -     | 6,00     | 36 | 74 | GEC.044...                  | .00 | .10 |
| 4,500    | -     | 6,00     | 36 | 74 | GEC.045...                  | .00 | .10 |
| 4,600    | -     | 6,00     | 36 | 74 | GEC.046...                  | .00 | .10 |
| 4,650    | -     | 6,00     | 36 | 74 | GEC.465...                  | .00 | .10 |
| 4,700    | -     | 6,00     | 36 | 74 | GEC.047...                  | .00 | .10 |
| 4,763    | 3/16  | 6,00     | 44 | 82 | GEC.4763...                 | .00 | .10 |
| 4,800    | -     | 6,00     | 44 | 82 | GEC.048...                  | .00 | .10 |
| 4,900    | -     | 6,00     | 44 | 82 | GEC.049...                  | .00 | .10 |
| 5,000    | -     | 6,00     | 44 | 82 | GEC.050...                  | .00 | .10 |
| 5,050    | -     | 6,00     | 44 | 82 | GEC.505...                  | .00 | .10 |
| 5,100    | -     | 6,00     | 44 | 82 | GEC.051...                  | .00 | .10 |
| 5,159    | 13/64 | 6,00     | 44 | 82 | GEC.5159...                 | .00 | .10 |
| 5,200    | -     | 6,00     | 44 | 82 | GEC.052...                  | .00 | .10 |
| 5,300    | -     | 6,00     | 44 | 82 | GEC.053...                  | .00 | .10 |
| 5,400    | -     | 6,00     | 44 | 82 | GEC.054...                  | .00 | .10 |
| 5,500    | -     | 6,00     | 44 | 82 | GEC.055...                  | .00 | .10 |
| 5,550    | -     | 6,00     | 44 | 82 | GEC.555...                  | .00 | .10 |
| 5,556    | 7/32  | 6,00     | 44 | 82 | GEC.5556...                 | .00 | .10 |
| 5,600    | -     | 6,00     | 44 | 82 | GEC.056...                  | .00 | .10 |
| 5,700    | -     | 6,00     | 44 | 82 | GEC.057...                  | .00 | .10 |
| 5,800    | -     | 6,00     | 44 | 82 | GEC.058...                  | .00 | .10 |
| 5,900    | -     | 6,00     | 44 | 82 | GEC.059...                  | .00 | .10 |
| 6,000    | -     | 6,00     | 44 | 82 | GEC.060...                  | .00 | .10 |
| 6,100    | -     | 8,00     | 53 | 91 | GEC.061...                  | .00 | .10 |
| 6,200    | -     | 8,00     | 53 | 91 | GEC.062...                  | .00 | .10 |
| 6,300    | -     | 8,00     | 53 | 91 | GEC.063...                  | .00 | .10 |
| 6,350    | 1/4   | 8,00     | 53 | 91 | GEC.6350...                 | .00 | .10 |
| 6,400    | -     | 8,00     | 53 | 91 | GEC.064...                  | .00 | .10 |
| 6,500    | -     | 8,00     | 53 | 91 | GEC.065...                  | .00 | .10 |
| 6,600    | -     | 8,00     | 53 | 91 | GEC.066...                  | .00 | .10 |
| 6,700    | -     | 8,00     | 53 | 91 | GEC.067...                  | .00 | .10 |
| 6,747    | 17/64 | 8,00     | 53 | 91 | GEC.6747...                 | .00 | .10 |
| 6,800    | -     | 8,00     | 53 | 91 | GEC.068...                  | .00 | .10 |
| 6,850    | -     | 8,00     | 53 | 91 | GEC.685...                  | .00 | .10 |
| 6,900    | -     | 8,00     | 53 | 91 | GEC.069...                  | .00 | .10 |
| 7,000    | -     | 8,00     | 53 | 91 | GEC.070...                  | .00 | .10 |
| 7,100    | -     | 8,00     | 53 | 91 | GEC.071...                  | .00 | .10 |
| 7,144    | 9/32  | 8,00     | 53 | 91 | GEC.7144...                 | .00 | .10 |
| 7,200    | -     | 8,00     | 53 | 91 | GEC.072...                  | .00 | .10 |
| 7,300    | -     | 8,00     | 53 | 91 | GEC.073...                  | .00 | .10 |
| 7,400    | -     | 8,00     | 53 | 91 | GEC.074...                  | .00 | .10 |
| 7,450    | -     | 8,00     | 53 | 91 | GEC.745...                  | .00 | .10 |
| 7,500    | -     | 8,00     | 53 | 91 | GEC.075...                  | .00 | .10 |
| 7,541    | 19/64 | 8,00     | 53 | 91 | GEC.7541...                 | .00 | .10 |

# VHM-Spiralbohrer 5xD

Solid carbide drill 5xD



Artikel-Nr. GEC...

| D1<br>m7 | Inch  | D2<br>h6 | L2 | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|-------|----------|----|-----|-----------------------------|-----|-----|
| 7,600    | -     | 8,00     | 53 | 91  | GEC.076...                  | .00 | .10 |
| 7,700    | -     | 8,00     | 53 | 91  | GEC.077...                  | .00 | .10 |
| 7,800    | -     | 8,00     | 53 | 91  | GEC.078...                  | .00 | .10 |
| 7,900    | -     | 8,00     | 53 | 91  | GEC.079...                  | .00 | .10 |
| 7,938    | 5/16  | 8,00     | 53 | 91  | GEC.7938...                 | .00 | .10 |
| 8,000    | -     | 8,00     | 53 | 91  | GEC.080...                  | .00 | .10 |
| 8,100    | -     | 10,00    | 61 | 103 | GEC.081...                  | .00 | .10 |
| 8,200    | -     | 10,00    | 61 | 103 | GEC.082...                  | .00 | .10 |
| 8,300    | -     | 10,00    | 61 | 103 | GEC.083...                  | .00 | .10 |
| 8,400    | -     | 10,00    | 61 | 103 | GEC.084...                  | .00 | .10 |
| 8,500    | -     | 10,00    | 61 | 103 | GEC.085...                  | .00 | .10 |
| 8,550    | -     | 10,00    | 61 | 103 | GEC.855...                  | .00 | .10 |
| 8,600    | -     | 10,00    | 61 | 103 | GEC.086...                  | .00 | .10 |
| 8,700    | -     | 10,00    | 61 | 103 | GEC.087...                  | .00 | .10 |
| 8,731    | 11/32 | 10,00    | 61 | 103 | GEC.8731...                 | .00 | .10 |
| 8,800    | -     | 10,00    | 61 | 103 | GEC.088...                  | .00 | .10 |
| 8,900    | -     | 10,00    | 61 | 103 | GEC.089...                  | .00 | .10 |
| 9,000    | -     | 10,00    | 61 | 103 | GEC.090...                  | .00 | .10 |
| 9,100    | -     | 10,00    | 61 | 103 | GEC.091...                  | .00 | .10 |
| 9,128    | 23/64 | 10,00    | 61 | 103 | GEC.9128...                 | .00 | .10 |
| 9,200    | -     | 10,00    | 61 | 103 | GEC.092...                  | .00 | .10 |
| 9,300    | -     | 10,00    | 61 | 103 | GEC.093...                  | .00 | .10 |
| 9,350    | -     | 10,00    | 61 | 103 | GEC.935...                  | .00 | .10 |
| 9,400    | -     | 10,00    | 61 | 103 | GEC.094...                  | .00 | .10 |
| 9,500    | -     | 10,00    | 61 | 103 | GEC.095...                  | .00 | .10 |
| 9,525    | 3/8   | 10,00    | 61 | 103 | GEC.9525...                 | .00 | .10 |
| 9,600    | -     | 10,00    | 61 | 103 | GEC.096...                  | .00 | .10 |
| 9,700    | -     | 10,00    | 61 | 103 | GEC.097...                  | .00 | .10 |
| 9,800    | -     | 10,00    | 61 | 103 | GEC.098...                  | .00 | .10 |
| 9,900    | -     | 10,00    | 61 | 103 | GEC.099...                  | .00 | .10 |
| 9,922    | 25/64 | 10,00    | 61 | 103 | GEC.9922...                 | .00 | .10 |
| 10,000   | -     | 10,00    | 61 | 103 | GEC.100...                  | .00 | .10 |
| 10,100   | -     | 12,00    | 71 | 118 | GEC.101...                  | .00 | .10 |
| 10,200   | -     | 12,00    | 71 | 118 | GEC.102...                  | .00 | .10 |
| 10,250   | -     | 12,00    | 71 | 118 | GEC.1025...                 | .00 | .10 |
| 10,300   | -     | 12,00    | 71 | 118 | GEC.103...                  | .00 | .10 |
| 10,319   | 13/32 | 12,00    | 71 | 118 | GEC.10319...                | .00 | .10 |
| 10,400   | -     | 12,00    | 71 | 118 | GEC.104...                  | .00 | .10 |
| 10,500   | -     | 12,00    | 71 | 118 | GEC.105...                  | .00 | .10 |
| 10,600   | -     | 12,00    | 71 | 118 | GEC.106...                  | .00 | .10 |
| 10,700   | -     | 12,00    | 71 | 118 | GEC.107...                  | .00 | .10 |
| 10,716   | 27/64 | 12,00    | 71 | 118 | GEC.10716...                | .00 | .10 |
| 10,800   | -     | 12,00    | 71 | 118 | GEC.108...                  | .00 | .10 |
| 10,900   | -     | 12,00    | 71 | 118 | GEC.109...                  | .00 | .10 |
| 11,000   | -     | 12,00    | 71 | 118 | GEC.110...                  | .00 | .10 |
| 11,100   | -     | 12,00    | 71 | 118 | GEC.111...                  | .00 | .10 |

# VHM-Spiralbohrer 5xD

Solid carbide drill 5xD



Artikel-Nr. GEC...

| D1<br>m7 | Inch  | D2<br>h6 | L2  | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|-------|----------|-----|-----|-----------------------------|-----|-----|
| 11,113   | 7/16  | 12,00    | 71  | 118 | GEC.11113...                | .00 | .10 |
| 11,200   | -     | 12,00    | 71  | 118 | GEC.112...                  | .00 | .10 |
| 11,300   | -     | 12,00    | 71  | 118 | GEC.113...                  | .00 | .10 |
| 11,400   | -     | 12,00    | 71  | 118 | GEC.114...                  | .00 | .10 |
| 11,500   | -     | 12,00    | 71  | 118 | GEC.115...                  | .00 | .10 |
| 11,509   | 29/64 | 12,00    | 71  | 118 | GEC.11509...                | .00 | .10 |
| 11,550   | -     | 12,00    | 71  | 118 | GEC.1155...                 | .00 | .10 |
| 11,600   | -     | 12,00    | 71  | 118 | GEC.116...                  | .00 | .10 |
| 11,700   | -     | 12,00    | 71  | 118 | GEC.117...                  | .00 | .10 |
| 11,800   | -     | 12,00    | 71  | 118 | GEC.118...                  | .00 | .10 |
| 11,900   | -     | 12,00    | 71  | 118 | GEC.119...                  | .00 | .10 |
| 11,906   | 15/32 | 12,00    | 71  | 118 | GEC.11906...                | .00 | .10 |
| 12,000   | -     | 12,00    | 71  | 118 | GEC.120...                  | .00 | .10 |
| 12,200   | -     | 14,00    | 77  | 124 | GEC.122...                  | .00 | .10 |
| 12,300   | -     | 14,00    | 77  | 124 | GEC.123...                  | .00 | .10 |
| 12,303   | 31/64 | 14,00    | 77  | 124 | GEC.12303...                | .00 | .10 |
| 12,500   | -     | 14,00    | 77  | 124 | GEC.125...                  | .00 | .10 |
| 12,700   | 1/2   | 14,00    | 77  | 124 | GEC.12700...                | .00 | .10 |
| 12,800   | -     | 14,00    | 77  | 124 | GEC.128...                  | .00 | .10 |
| 13,000   | -     | 14,00    | 77  | 124 | GEC.130...                  | .00 | .10 |
| 13,494   | 17/32 | 14,00    | 77  | 124 | GEC.13494...                | .00 | .10 |
| 13,500   | -     | 14,00    | 77  | 124 | GEC.135...                  | .00 | .10 |
| 13,800   | -     | 14,00    | 77  | 124 | GEC.138...                  | .00 | .10 |
| 14,000   | -     | 14,00    | 77  | 124 | GEC.140...                  | .00 | .10 |
| 14,200   | -     | 16,00    | 83  | 133 | GEC.142...                  | .00 | .10 |
| 14,288   | 9/16  | 16,00    | 83  | 133 | GEC.14288...                | .00 | .10 |
| 14,500   | -     | 16,00    | 83  | 133 | GEC.145...                  | .00 | .10 |
| 14,800   | -     | 16,00    | 83  | 133 | GEC.148...                  | .00 | .10 |
| 15,000   | -     | 16,00    | 83  | 133 | GEC.150...                  | .00 | .10 |
| 15,200   | -     | 16,00    | 83  | 133 | GEC.152...                  | .00 | .10 |
| 15,500   | -     | 16,00    | 83  | 133 | GEC.155...                  | .00 | .10 |
| 15,800   | -     | 16,00    | 83  | 133 | GEC.158...                  | .00 | .10 |
| 15,875   | 5/8   | 16,00    | 83  | 133 | GEC.15875...                | .00 | .10 |
| 16,000   | -     | 16,00    | 83  | 133 | GEC.160...                  | .00 | .10 |
| 16,500   | -     | 18,00    | 93  | 143 | GEC.165...                  | .00 | .10 |
| 16,800   | -     | 18,00    | 93  | 143 | GEC.168...                  | .00 | .10 |
| 17,000   | -     | 18,00    | 93  | 143 | GEC.170...                  | .00 | .10 |
| 17,500   | -     | 18,00    | 93  | 143 | GEC.175...                  | .00 | .10 |
| 17,800   | -     | 18,00    | 93  | 143 | GEC.178...                  | .00 | .10 |
| 18,000   | -     | 18,00    | 93  | 143 | GEC.180...                  | .00 | .10 |
| 18,500   | -     | 20,00    | 101 | 153 | GEC.185...                  | .00 | .10 |
| 19,000   | -     | 20,00    | 101 | 153 | GEC.190...                  | .00 | .10 |
| 19,500   | -     | 20,00    | 101 | 153 | GEC.195...                  | .00 | .10 |
| 20,000   | -     | 20,00    | 101 | 153 | GEC.200...                  | .00 | .10 |

# VHM-Spiralbohrer 8xD

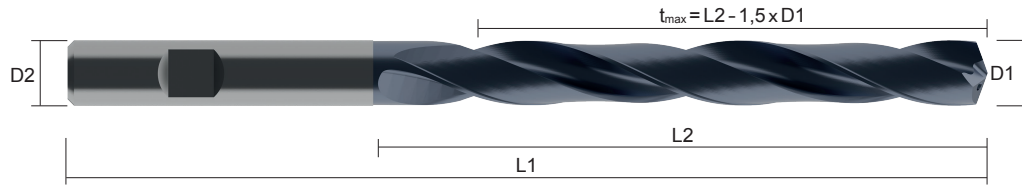
Solid carbide drill 8xD

**1<sup>ST</sup> CHOICE**

Artikel-Nr. GED...

TYPE N-W
2
140°
IK
HA
HB
VRC
HP

INOX VA
z
8xD



| D1<br>m7 | D2<br>h6 | L2 | L1 | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|----|---|-----------------------------|-----|-----|
| 1,00     | 3,00     | 11 | 55 | 2 | GED.010...                  | .00 | -   |
| 1,10     | 3,00     | 17 | 55 | 2 | GED.011...                  | .00 | -   |
| 1,20     | 3,00     | 17 | 55 | 2 | GED.012...                  | .00 | -   |
| 1,30     | 3,00     | 17 | 55 | 2 | GED.013...                  | .00 | -   |
| 1,40     | 3,00     | 17 | 55 | 2 | GED.014...                  | .00 | -   |
| 1,50     | 3,00     | 22 | 65 | 2 | GED.015...                  | .00 | -   |
| 1,60     | 3,00     | 22 | 65 | 2 | GED.016...                  | .00 | -   |
| 1,70     | 3,00     | 22 | 65 | 2 | GED.017...                  | .00 | -   |
| 1,80     | 3,00     | 22 | 65 | 2 | GED.018...                  | .00 | -   |
| 1,90     | 3,00     | 22 | 65 | 2 | GED.019...                  | .00 | -   |
| 2,00     | 3,00     | 28 | 74 | 2 | GED.020...                  | .00 | -   |
| 2,10     | 3,00     | 28 | 74 | 2 | GED.021...                  | .00 | -   |
| 2,20     | 3,00     | 28 | 74 | 2 | GED.022...                  | .00 | -   |
| 2,30     | 3,00     | 28 | 74 | 2 | GED.023...                  | .00 | -   |
| 2,40     | 3,00     | 28 | 74 | 2 | GED.024...                  | .00 | -   |
| 2,50     | 3,00     | 32 | 80 | 2 | GED.025...                  | .00 | -   |
| 2,60     | 3,00     | 32 | 80 | 2 | GED.026...                  | .00 | -   |
| 2,70     | 3,00     | 32 | 80 | 2 | GED.027...                  | .00 | -   |
| 2,80     | 3,00     | 32 | 80 | 2 | GED.028...                  | .00 | -   |
| 2,90     | 3,00     | 32 | 80 | 2 | GED.029...                  | .00 | -   |
| 3,00     | 6,00     | 34 | 71 | 2 | GED.030...                  | .00 | .10 |
| 3,10     | 6,00     | 34 | 71 | 2 | GED.031...                  | .00 | .10 |
| 3,20     | 6,00     | 34 | 71 | 2 | GED.032...                  | .00 | .10 |
| 3,30     | 6,00     | 34 | 71 | 2 | GED.033...                  | .00 | .10 |
| 3,40     | 6,00     | 34 | 71 | 2 | GED.034...                  | .00 | .10 |
| 3,50     | 6,00     | 34 | 71 | 2 | GED.035...                  | .00 | .10 |
| 3,60     | 6,00     | 34 | 71 | 2 | GED.036...                  | .00 | .10 |
| 3,70     | 6,00     | 34 | 71 | 2 | GED.037...                  | .00 | .10 |
| 3,80     | 6,00     | 43 | 86 | 2 | GED.038...                  | .00 | .10 |
| 3,90     | 6,00     | 43 | 86 | 2 | GED.039...                  | .00 | .10 |
| 4,00     | 6,00     | 43 | 86 | 2 | GED.040...                  | .00 | .10 |
| 4,10     | 6,00     | 43 | 86 | 2 | GED.041...                  | .00 | .10 |
| 4,20     | 6,00     | 43 | 86 | 2 | GED.042...                  | .00 | .10 |
| 4,30     | 6,00     | 43 | 86 | 2 | GED.043...                  | .00 | .10 |
| 4,40     | 6,00     | 43 | 86 | 2 | GED.044...                  | .00 | .10 |
| 4,50     | 6,00     | 43 | 86 | 2 | GED.045...                  | .00 | .10 |
| 4,60     | 6,00     | 43 | 86 | 2 | GED.046...                  | .00 | .10 |
| 4,70     | 6,00     | 57 | 95 | 2 | GED.047...                  | .00 | .10 |

# VHM-Spiralbohrer 8xD

Solid carbide drill 8xD



Artikel-Nr. GED...

| D1<br>m7 | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|---|-----------------------------|-----|-----|
| 4,80     | 6,00     | 57 | 95  | 2 | GED.048...                  | .00 | .10 |
| 4,90     | 6,00     | 57 | 95  | 2 | GED.049...                  | .00 | .10 |
| 5,00     | 6,00     | 57 | 95  | 2 | GED.050...                  | .00 | .10 |
| 5,10     | 6,00     | 57 | 95  | 2 | GED.051...                  | .00 | .10 |
| 5,20     | 6,00     | 57 | 95  | 2 | GED.052...                  | .00 | .10 |
| 5,30     | 6,00     | 57 | 95  | 2 | GED.053...                  | .00 | .10 |
| 5,40     | 6,00     | 57 | 95  | 2 | GED.054...                  | .00 | .10 |
| 5,50     | 6,00     | 57 | 95  | 2 | GED.055...                  | .00 | .10 |
| 5,60     | 6,00     | 57 | 95  | 2 | GED.056...                  | .00 | .10 |
| 5,70     | 6,00     | 57 | 95  | 2 | GED.057...                  | .00 | .10 |
| 5,80     | 6,00     | 57 | 95  | 2 | GED.058...                  | .00 | .10 |
| 5,90     | 6,00     | 57 | 95  | 2 | GED.059...                  | .00 | .10 |
| 6,00     | 6,00     | 57 | 95  | 2 | GED.060...                  | .00 | .10 |
| 6,10     | 8,00     | 76 | 114 | 2 | GED.061...                  | .00 | .10 |
| 6,20     | 8,00     | 76 | 114 | 2 | GED.062...                  | .00 | .10 |
| 6,30     | 8,00     | 76 | 114 | 2 | GED.063...                  | .00 | .10 |
| 6,40     | 8,00     | 76 | 114 | 2 | GED.064...                  | .00 | .10 |
| 6,50     | 8,00     | 76 | 114 | 2 | GED.065...                  | .00 | .10 |
| 6,60     | 8,00     | 76 | 114 | 2 | GED.066...                  | .00 | .10 |
| 6,70     | 8,00     | 76 | 114 | 2 | GED.067...                  | .00 | .10 |
| 6,80     | 8,00     | 76 | 114 | 2 | GED.068...                  | .00 | .10 |
| 6,90     | 8,00     | 76 | 114 | 2 | GED.069...                  | .00 | .10 |
| 7,00     | 8,00     | 76 | 114 | 2 | GED.070...                  | .00 | .10 |
| 7,10     | 8,00     | 76 | 114 | 2 | GED.071...                  | .00 | .10 |
| 7,20     | 8,00     | 76 | 114 | 2 | GED.072...                  | .00 | .10 |
| 7,30     | 8,00     | 76 | 114 | 2 | GED.073...                  | .00 | .10 |
| 7,40     | 8,00     | 76 | 114 | 2 | GED.074...                  | .00 | .10 |
| 7,50     | 8,00     | 76 | 114 | 2 | GED.075...                  | .00 | .10 |
| 7,60     | 8,00     | 76 | 114 | 2 | GED.076...                  | .00 | .10 |
| 7,70     | 8,00     | 76 | 114 | 2 | GED.077...                  | .00 | .10 |
| 7,80     | 8,00     | 76 | 114 | 2 | GED.078...                  | .00 | .10 |
| 7,90     | 8,00     | 76 | 114 | 2 | GED.079...                  | .00 | .10 |
| 8,00     | 8,00     | 76 | 114 | 2 | GED.080...                  | .00 | .10 |
| 8,10     | 10,00    | 95 | 142 | 2 | GED.081...                  | .00 | .10 |
| 8,20     | 10,00    | 95 | 142 | 2 | GED.082...                  | .00 | .10 |
| 8,30     | 10,00    | 95 | 142 | 2 | GED.083...                  | .00 | .10 |
| 8,40     | 10,00    | 95 | 142 | 2 | GED.084...                  | .00 | .10 |
| 8,50     | 10,00    | 95 | 142 | 2 | GED.085...                  | .00 | .10 |
| 8,60     | 10,00    | 95 | 142 | 2 | GED.086...                  | .00 | .10 |
| 8,70     | 10,00    | 95 | 142 | 2 | GED.087...                  | .00 | .10 |
| 8,80     | 10,00    | 95 | 142 | 2 | GED.088...                  | .00 | .10 |
| 8,90     | 10,00    | 95 | 142 | 2 | GED.089...                  | .00 | .10 |
| 9,00     | 10,00    | 95 | 142 | 2 | GED.090...                  | .00 | .10 |
| 9,10     | 10,00    | 95 | 142 | 2 | GED.091...                  | .00 | .10 |
| 9,20     | 10,00    | 95 | 142 | 2 | GED.092...                  | .00 | .10 |
| 9,30     | 10,00    | 95 | 142 | 2 | GED.093...                  | .00 | .10 |

# VHM-Spiralbohrer 8xD

Solid carbide drill 8xD



Artikel-Nr. GED...

| D1<br>m7 | D2<br>h6 | L2  | L1  | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|-----|-----|---|-----------------------------|-----|-----|
| 9,40     | 10,00    | 95  | 142 | 2 | GED.094...                  | .00 | .10 |
| 9,50     | 10,00    | 95  | 142 | 2 | GED.095...                  | .00 | .10 |
| 9,60     | 10,00    | 95  | 142 | 2 | GED.096...                  | .00 | .10 |
| 9,70     | 10,00    | 95  | 142 | 2 | GED.097...                  | .00 | .10 |
| 9,80     | 10,00    | 95  | 142 | 2 | GED.098...                  | .00 | .10 |
| 9,90     | 10,00    | 95  | 142 | 2 | GED.099...                  | .00 | .10 |
| 10,00    | 10,00    | 95  | 142 | 2 | GED.100...                  | .00 | .10 |
| 10,10    | 12,00    | 114 | 162 | 2 | GED.101...                  | .00 | .10 |
| 10,20    | 12,00    | 114 | 162 | 2 | GED.102...                  | .00 | .10 |
| 10,30    | 12,00    | 114 | 162 | 2 | GED.103...                  | .00 | .10 |
| 10,40    | 12,00    | 114 | 162 | 2 | GED.104...                  | .00 | .10 |
| 10,50    | 12,00    | 114 | 162 | 2 | GED.105...                  | .00 | .10 |
| 10,60    | 12,00    | 114 | 162 | 2 | GED.106...                  | .00 | .10 |
| 10,70    | 12,00    | 114 | 162 | 2 | GED.107...                  | .00 | .10 |
| 10,80    | 12,00    | 114 | 162 | 2 | GED.108...                  | .00 | .10 |
| 10,90    | 12,00    | 114 | 162 | 2 | GED.109...                  | .00 | .10 |
| 11,00    | 12,00    | 114 | 162 | 2 | GED.110...                  | .00 | .10 |
| 11,10    | 12,00    | 114 | 162 | 2 | GED.111...                  | .00 | .10 |
| 11,20    | 12,00    | 114 | 162 | 2 | GED.112...                  | .00 | .10 |
| 11,30    | 12,00    | 114 | 162 | 2 | GED.113...                  | .00 | .10 |
| 11,40    | 12,00    | 114 | 162 | 2 | GED.114...                  | .00 | .10 |
| 11,50    | 12,00    | 114 | 162 | 2 | GED.115...                  | .00 | .10 |
| 11,60    | 12,00    | 114 | 162 | 2 | GED.116...                  | .00 | .10 |
| 11,70    | 12,00    | 114 | 162 | 2 | GED.117...                  | .00 | .10 |
| 11,80    | 12,00    | 114 | 162 | 2 | GED.118...                  | .00 | .10 |
| 11,90    | 12,00    | 114 | 162 | 2 | GED.119...                  | .00 | .10 |
| 12,00    | 12,00    | 114 | 162 | 2 | GED.120...                  | .00 | .10 |
| 12,50    | 14,00    | 133 | 184 | 2 | GED.125...                  | .00 | .10 |
| 12,80    | 14,00    | 133 | 184 | 2 | GED.128...                  | .00 | .10 |
| 13,00    | 14,00    | 133 | 184 | 2 | GED.130...                  | .00 | .10 |
| 13,50    | 14,00    | 133 | 184 | 2 | GED.135...                  | .00 | .10 |
| 14,00    | 14,00    | 133 | 184 | 2 | GED.140...                  | .00 | .10 |
| 14,50    | 16,00    | 152 | 203 | 2 | GED.145...                  | .00 | .10 |
| 15,00    | 16,00    | 152 | 203 | 2 | GED.150...                  | .00 | .10 |
| 15,50    | 16,00    | 152 | 203 | 2 | GED.155...                  | .00 | .10 |
| 16,00    | 16,00    | 152 | 203 | 2 | GED.160...                  | .00 | .10 |
| 16,50    | 18,00    | 171 | 222 | 2 | GED.165...                  | .00 | .10 |
| 17,00    | 18,00    | 171 | 222 | 2 | GED.170...                  | .00 | .10 |
| 17,50    | 18,00    | 171 | 222 | 2 | GED.175...                  | .00 | .10 |
| 18,00    | 18,00    | 171 | 222 | 2 | GED.180...                  | .00 | .10 |
| 18,50    | 20,00    | 190 | 243 | 2 | GED.185...                  | .00 | .10 |
| 19,00    | 20,00    | 190 | 243 | 2 | GED.190...                  | .00 | .10 |
| 20,00    | 20,00    | 190 | 243 | 2 | GED.200...                  | .00 | .10 |

# VHM-Spiralbohrer 5xD

Solid carbide drill 5xD

**1<sup>ST</sup> CHOICE**

Artikel-Nr. GZG...

TYPE  
N-W

2

140°

IK

HA

HB

Ta-C

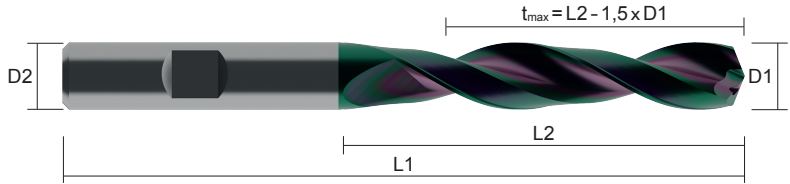
HP

ALU  
NE

plastic

z

5xD



| D1<br>m7 | D2<br>h6 | L2 | L1 | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|----|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 28 | 66 | 2 | GZG.030...                  | .00 | .10 |
| 3,10     | 6,00     | 28 | 66 | 2 | GZG.031...                  | .00 | .10 |
| 3,20     | 6,00     | 28 | 66 | 2 | GZG.032...                  | .00 | .10 |
| 3,30     | 6,00     | 28 | 66 | 2 | GZG.033...                  | .00 | .10 |
| 3,40     | 6,00     | 28 | 66 | 2 | GZG.034...                  | .00 | .10 |
| 3,50     | 6,00     | 28 | 66 | 2 | GZG.035...                  | .00 | .10 |
| 3,60     | 6,00     | 28 | 66 | 2 | GZG.036...                  | .00 | .10 |
| 3,70     | 6,00     | 28 | 66 | 2 | GZG.037...                  | .00 | .10 |
| 3,80     | 6,00     | 36 | 74 | 2 | GZG.038...                  | .00 | .10 |
| 3,90     | 6,00     | 36 | 74 | 2 | GZG.039...                  | .00 | .10 |
| 4,00     | 6,00     | 36 | 74 | 2 | GZG.040...                  | .00 | .10 |
| 4,10     | 6,00     | 36 | 74 | 2 | GZG.041...                  | .00 | .10 |
| 4,20     | 6,00     | 36 | 74 | 2 | GZG.042...                  | .00 | .10 |
| 4,30     | 6,00     | 36 | 74 | 2 | GZG.043...                  | .00 | .10 |
| 4,40     | 6,00     | 36 | 74 | 2 | GZG.044...                  | .00 | .10 |
| 4,50     | 6,00     | 36 | 74 | 2 | GZG.045...                  | .00 | .10 |
| 4,60     | 6,00     | 36 | 74 | 2 | GZG.046...                  | .00 | .10 |
| 4,70     | 6,00     | 36 | 74 | 2 | GZG.047...                  | .00 | .10 |
| 4,80     | 6,00     | 44 | 82 | 2 | GZG.048...                  | .00 | .10 |
| 4,90     | 6,00     | 44 | 82 | 2 | GZG.049...                  | .00 | .10 |
| 5,00     | 6,00     | 44 | 82 | 2 | GZG.050...                  | .00 | .10 |
| 5,10     | 6,00     | 44 | 82 | 2 | GZG.051...                  | .00 | .10 |
| 5,20     | 6,00     | 44 | 82 | 2 | GZG.052...                  | .00 | .10 |
| 5,30     | 6,00     | 44 | 82 | 2 | GZG.053...                  | .00 | .10 |
| 5,40     | 6,00     | 44 | 82 | 2 | GZG.054...                  | .00 | .10 |
| 5,50     | 6,00     | 44 | 82 | 2 | GZG.055...                  | .00 | .10 |
| 5,60     | 6,00     | 44 | 82 | 2 | GZG.056...                  | .00 | .10 |
| 5,70     | 6,00     | 44 | 82 | 2 | GZG.057...                  | .00 | .10 |
| 5,80     | 6,00     | 44 | 82 | 2 | GZG.058...                  | .00 | .10 |
| 5,90     | 6,00     | 44 | 82 | 2 | GZG.059...                  | .00 | .10 |
| 6,00     | 6,00     | 44 | 82 | 2 | GZG.060...                  | .00 | .10 |
| 6,10     | 8,00     | 53 | 91 | 2 | GZG.061...                  | .00 | .10 |
| 6,20     | 8,00     | 53 | 91 | 2 | GZG.062...                  | .00 | .10 |
| 6,30     | 8,00     | 53 | 91 | 2 | GZG.063...                  | .00 | .10 |
| 6,40     | 8,00     | 53 | 91 | 2 | GZG.064...                  | .00 | .10 |
| 6,50     | 8,00     | 53 | 91 | 2 | GZG.065...                  | .00 | .10 |
| 6,60     | 8,00     | 53 | 91 | 2 | GZG.066...                  | .00 | .10 |
| 6,70     | 8,00     | 53 | 91 | 2 | GZG.067...                  | .00 | .10 |
| 6,80     | 8,00     | 53 | 91 | 2 | GZG.068...                  | .00 | .10 |
| 6,90     | 8,00     | 53 | 91 | 2 | GZG.069...                  | .00 | .10 |

# VHM-Spiralbohrer 5xD

Solid carbide drill 5xD



Artikel-Nr. GZG...

| D1<br>m7 | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|---|-----------------------------|-----|-----|
| 7,00     | 8,00     | 53 | 91  | 2 | GZG.070...                  | .00 | .10 |
| 7,10     | 8,00     | 53 | 91  | 2 | GZG.071...                  | .00 | .10 |
| 7,20     | 8,00     | 53 | 91  | 2 | GZG.072...                  | .00 | .10 |
| 7,30     | 8,00     | 53 | 91  | 2 | GZG.073...                  | .00 | .10 |
| 7,40     | 8,00     | 53 | 91  | 2 | GZG.074...                  | .00 | .10 |
| 7,50     | 8,00     | 53 | 91  | 2 | GZG.075...                  | .00 | .10 |
| 7,60     | 8,00     | 53 | 91  | 2 | GZG.076...                  | .00 | .10 |
| 7,70     | 8,00     | 53 | 91  | 2 | GZG.077...                  | .00 | .10 |
| 7,80     | 8,00     | 53 | 91  | 2 | GZG.078...                  | .00 | .10 |
| 7,90     | 8,00     | 53 | 91  | 2 | GZG.079...                  | .00 | .10 |
| 8,00     | 8,00     | 53 | 91  | 2 | GZG.080...                  | .00 | .10 |
| 8,10     | 10,00    | 61 | 103 | 2 | GZG.081...                  | .00 | .10 |
| 8,20     | 10,00    | 61 | 103 | 2 | GZG.082...                  | .00 | .10 |
| 8,30     | 10,00    | 61 | 103 | 2 | GZG.083...                  | .00 | .10 |
| 8,40     | 10,00    | 61 | 103 | 2 | GZG.084...                  | .00 | .10 |
| 8,50     | 10,00    | 61 | 103 | 2 | GZG.085...                  | .00 | .10 |
| 8,60     | 10,00    | 61 | 103 | 2 | GZG.086...                  | .00 | .10 |
| 8,70     | 10,00    | 61 | 103 | 2 | GZG.087...                  | .00 | .10 |
| 8,80     | 10,00    | 61 | 103 | 2 | GZG.088...                  | .00 | .10 |
| 8,90     | 10,00    | 61 | 103 | 2 | GZG.089...                  | .00 | .10 |
| 9,00     | 10,00    | 61 | 103 | 2 | GZG.090...                  | .00 | .10 |
| 9,10     | 10,00    | 61 | 103 | 2 | GZG.091...                  | .00 | .10 |
| 9,20     | 10,00    | 61 | 103 | 2 | GZG.092...                  | .00 | .10 |
| 9,30     | 10,00    | 61 | 103 | 2 | GZG.093...                  | .00 | .10 |
| 9,40     | 10,00    | 61 | 103 | 2 | GZG.094...                  | .00 | .10 |
| 9,50     | 10,00    | 61 | 103 | 2 | GZG.095...                  | .00 | .10 |
| 9,60     | 10,00    | 61 | 103 | 2 | GZG.096...                  | .00 | .10 |
| 9,70     | 10,00    | 61 | 103 | 2 | GZG.097...                  | .00 | .10 |
| 9,80     | 10,00    | 61 | 103 | 2 | GZG.098...                  | .00 | .10 |
| 9,90     | 10,00    | 61 | 103 | 2 | GZG.099...                  | .00 | .10 |
| 10,00    | 10,00    | 61 | 103 | 2 | GZG.100...                  | .00 | .10 |
| 10,10    | 12,00    | 71 | 118 | 2 | GZG.101...                  | .00 | .10 |
| 10,20    | 12,00    | 71 | 118 | 2 | GZG.102...                  | .00 | .10 |
| 10,30    | 12,00    | 71 | 118 | 2 | GZG.103...                  | .00 | .10 |
| 10,40    | 12,00    | 71 | 118 | 2 | GZG.104...                  | .00 | .10 |
| 10,50    | 12,00    | 71 | 118 | 2 | GZG.105...                  | .00 | .10 |
| 10,60    | 12,00    | 71 | 118 | 2 | GZG.106...                  | .00 | .10 |
| 10,70    | 12,00    | 71 | 118 | 2 | GZG.107...                  | .00 | .10 |
| 10,80    | 12,00    | 71 | 118 | 2 | GZG.108...                  | .00 | .10 |
| 10,90    | 12,00    | 71 | 118 | 2 | GZG.109...                  | .00 | .10 |
| 11,00    | 12,00    | 71 | 118 | 2 | GZG.110...                  | .00 | .10 |
| 11,10    | 12,00    | 71 | 118 | 2 | GZG.111...                  | .00 | .10 |
| 11,20    | 12,00    | 71 | 118 | 2 | GZG.112...                  | .00 | .10 |
| 11,30    | 12,00    | 71 | 118 | 2 | GZG.113...                  | .00 | .10 |
| 11,40    | 12,00    | 71 | 118 | 2 | GZG.114...                  | .00 | .10 |
| 11,50    | 12,00    | 71 | 118 | 2 | GZG.115...                  | .00 | .10 |

# VHM-Spiralbohrer 5xD

Solid carbide drill 5xD



Artikel-Nr. GZG...

| D1<br>m7 | D2<br>h6 | L2  | L1  | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|-----|-----|---|-----------------------------|-----|-----|
| 11,60    | 12,00    | 71  | 118 | 2 | GZG.116...                  | .00 | .10 |
| 11,70    | 12,00    | 71  | 118 | 2 | GZG.117...                  | .00 | .10 |
| 11,80    | 12,00    | 71  | 118 | 2 | GZG.118...                  | .00 | .10 |
| 11,90    | 12,00    | 71  | 118 | 2 | GZG.119...                  | .00 | .10 |
| 12,00    | 12,00    | 71  | 118 | 2 | GZG.120...                  | .00 | .10 |
| 12,20    | 14,00    | 77  | 124 | 2 | GZG.122...                  | .00 | .10 |
| 12,30    | 14,00    | 77  | 124 | 2 | GZG.123...                  | .00 | .10 |
| 12,50    | 14,00    | 77  | 124 | 2 | GZG.125...                  | .00 | .10 |
| 12,80    | 14,00    | 77  | 124 | 2 | GZG.128...                  | .00 | .10 |
| 13,00    | 14,00    | 77  | 124 | 2 | GZG.130...                  | .00 | .10 |
| 13,50    | 14,00    | 77  | 124 | 2 | GZG.135...                  | .00 | .10 |
| 13,80    | 14,00    | 77  | 124 | 2 | GZG.138...                  | .00 | .10 |
| 14,00    | 14,00    | 77  | 124 | 2 | GZG.140...                  | .00 | .10 |
| 14,50    | 16,00    | 83  | 133 | 2 | GZG.145...                  | .00 | .10 |
| 14,80    | 16,00    | 83  | 133 | 2 | GZG.148...                  | .00 | .10 |
| 15,00    | 16,00    | 83  | 133 | 2 | GZG.150...                  | .00 | .10 |
| 15,50    | 16,00    | 83  | 133 | 2 | GZG.155...                  | .00 | .10 |
| 15,80    | 16,00    | 83  | 133 | 2 | GZG.158...                  | .00 | .10 |
| 16,00    | 16,00    | 83  | 133 | 2 | GZG.160...                  | .00 | .10 |
| 16,50    | 18,00    | 93  | 143 | 2 | GZG.165...                  | .00 | .10 |
| 16,80    | 18,00    | 93  | 143 | 2 | GZG.168...                  | .00 | .10 |
| 17,00    | 18,00    | 93  | 143 | 2 | GZG.170...                  | .00 | .10 |
| 17,50    | 18,00    | 93  | 143 | 2 | GZG.175...                  | .00 | .10 |
| 17,80    | 18,00    | 93  | 143 | 2 | GZG.178...                  | .00 | .10 |
| 18,00    | 18,00    | 93  | 143 | 2 | GZG.180...                  | .00 | .10 |
| 18,50    | 20,00    | 101 | 153 | 2 | GZG.185...                  | .00 | .10 |
| 19,00    | 20,00    | 101 | 153 | 2 | GZG.190...                  | .00 | .10 |
| 19,50    | 20,00    | 101 | 153 | 2 | GZG.195...                  | .00 | .10 |
| 20,00    | 20,00    | 101 | 153 | 2 | GZG.200...                  | .00 | .10 |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD

**1<sup>ST</sup> CHOICE**

Artikel-Nr. HAZ...

TYPE  
H

steel

2

HRC  
45-65

135°

z

o.IK

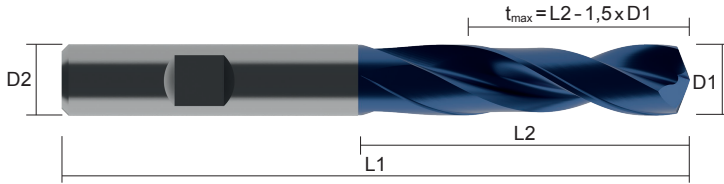
3xD

HA

HB

NCB

HP



| D1<br>m7 | D2<br>h6 | L2 | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-----------------------------|-----|-----|
| 2,80     | 6,00     | 20 | 62  | HAZ.028...                  | .00 | .10 |
| 3,00     | 6,00     | 20 | 62  | HAZ.030...                  | .00 | .10 |
| 3,30     | 6,00     | 20 | 62  | HAZ.033...                  | .00 | .10 |
| 3,40     | 6,00     | 20 | 62  | HAZ.034...                  | .00 | .10 |
| 3,50     | 6,00     | 20 | 62  | HAZ.035...                  | .00 | .10 |
| 3,80     | 6,00     | 24 | 66  | HAZ.038...                  | .00 | .10 |
| 4,00     | 6,00     | 24 | 66  | HAZ.040...                  | .00 | .10 |
| 4,20     | 6,00     | 24 | 66  | HAZ.042...                  | .00 | .10 |
| 4,30     | 6,00     | 24 | 66  | HAZ.043...                  | .00 | .10 |
| 4,50     | 6,00     | 24 | 66  | HAZ.045...                  | .00 | .10 |
| 4,80     | 6,00     | 28 | 66  | HAZ.048...                  | .00 | .10 |
| 5,00     | 6,00     | 28 | 66  | HAZ.050...                  | .00 | .10 |
| 5,20     | 6,00     | 28 | 66  | HAZ.052...                  | .00 | .10 |
| 5,50     | 6,00     | 28 | 66  | HAZ.055...                  | .00 | .10 |
| 5,80     | 6,00     | 28 | 66  | HAZ.058...                  | .00 | .10 |
| 6,00     | 6,00     | 28 | 66  | HAZ.060...                  | .00 | .10 |
| 6,50     | 8,00     | 34 | 79  | HAZ.065...                  | .00 | .10 |
| 6,80     | 8,00     | 34 | 79  | HAZ.068...                  | .00 | .10 |
| 7,00     | 8,00     | 34 | 79  | HAZ.070...                  | .00 | .10 |
| 7,20     | 8,00     | 41 | 79  | HAZ.072...                  | .00 | .10 |
| 7,80     | 8,00     | 41 | 79  | HAZ.078...                  | .00 | .10 |
| 8,00     | 8,00     | 41 | 79  | HAZ.080...                  | .00 | .10 |
| 8,50     | 10,00    | 47 | 89  | HAZ.085...                  | .00 | .10 |
| 8,70     | 10,00    | 47 | 89  | HAZ.087...                  | .00 | .10 |
| 8,80     | 10,00    | 47 | 89  | HAZ.088...                  | .00 | .10 |
| 9,00     | 10,00    | 47 | 89  | HAZ.090...                  | .00 | .10 |
| 9,80     | 10,00    | 47 | 89  | HAZ.098...                  | .00 | .10 |
| 10,00    | 10,00    | 47 | 89  | HAZ.100...                  | .00 | .10 |
| 10,20    | 12,00    | 55 | 102 | HAZ.102...                  | .00 | .10 |
| 10,30    | 12,00    | 55 | 102 | HAZ.103...                  | .00 | .10 |
| 10,50    | 12,00    | 55 | 102 | HAZ.105...                  | .00 | .10 |
| 10,80    | 12,00    | 55 | 102 | HAZ.108...                  | .00 | .10 |
| 11,00    | 12,00    | 55 | 102 | HAZ.110...                  | .00 | .10 |
| 11,80    | 12,00    | 55 | 102 | HAZ.118...                  | .00 | .10 |
| 12,00    | 12,00    | 55 | 102 | HAZ.120...                  | .00 | .10 |
| 12,50    | 14,00    | 60 | 107 | HAZ.125...                  | .00 | .10 |
| 12,80    | 14,00    | 60 | 107 | HAZ.128...                  | .00 | .10 |
| 13,00    | 14,00    | 60 | 107 | HAZ.130...                  | .00 | .10 |
| 13,80    | 14,00    | 60 | 107 | HAZ.138...                  | .00 | .10 |
| 14,00    | 14,00    | 60 | 107 | HAZ.140...                  | .00 | .10 |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD

**1<sup>ST</sup>**  
CHOICE

Artikel-Nr. HAZ...

TYPE  
H

HA

HB

NCB

HP

steel

HRC  
45-65

| D1<br>m7 | D2<br>h6 | L2 | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-----------------------------|-----|-----|
| 14,80    | 16,00    | 65 | 115 | HAZ.148...                  | .00 | .10 |
| 15,00    | 16,00    | 65 | 115 | HAZ.150...                  | .00 | .10 |
| 15,80    | 16,00    | 65 | 115 | HAZ.158...                  | .00 | .10 |
| 16,00    | 16,00    | 65 | 115 | HAZ.160...                  | .00 | .10 |

224

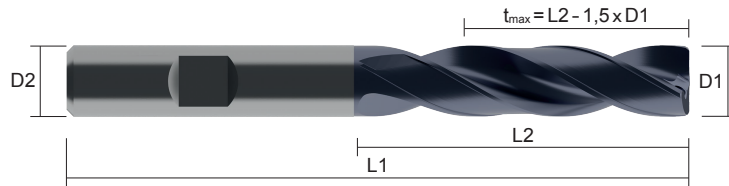
MAS

# VHM-Flachbohrer 3xD

Solid carbide flat drill 3xD

1<sup>ST</sup> CHOICE

Artikel-Nr. HAG...



| D1<br>m7 | D2<br>h6 | L2 | L1 | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|----|-----------------------------|-----|-----|
| 3,00     | 6,00     | 20 | 62 | HAG.030...                  | .00 | .10 |
| 3,10     | 6,00     | 20 | 62 | HAG.031...                  | .00 | .10 |
| 3,20     | 6,00     | 20 | 62 | HAG.032...                  | .00 | .10 |
| 3,30     | 6,00     | 20 | 62 | HAG.033...                  | .00 | .10 |
| 3,40     | 6,00     | 20 | 62 | HAG.034...                  | .00 | .10 |
| 3,50     | 6,00     | 20 | 62 | HAG.035...                  | .00 | .10 |
| 3,60     | 6,00     | 20 | 62 | HAG.036...                  | .00 | .10 |
| 3,70     | 6,00     | 20 | 62 | HAG.037...                  | .00 | .10 |
| 3,80     | 6,00     | 24 | 66 | HAG.038...                  | .00 | .10 |
| 3,90     | 6,00     | 24 | 66 | HAG.039...                  | .00 | .10 |
| 4,00     | 6,00     | 24 | 66 | HAG.040...                  | .00 | .10 |
| 4,10     | 6,00     | 24 | 66 | HAG.041...                  | .00 | .10 |
| 4,20     | 6,00     | 24 | 66 | HAG.042...                  | .00 | .10 |
| 4,30     | 6,00     | 24 | 66 | HAG.043...                  | .00 | .10 |
| 4,40     | 6,00     | 24 | 66 | HAG.044...                  | .00 | .10 |
| 4,50     | 6,00     | 24 | 66 | HAG.045...                  | .00 | .10 |
| 4,60     | 6,00     | 24 | 66 | HAG.046...                  | .00 | .10 |
| 4,65     | 6,00     | 24 | 66 | HAG.465...                  | .00 | .10 |
| 4,70     | 6,00     | 24 | 66 | HAG.047...                  | .00 | .10 |
| 4,80     | 6,00     | 28 | 66 | HAG.048...                  | .00 | .10 |
| 4,90     | 6,00     | 28 | 66 | HAG.049...                  | .00 | .10 |
| 5,00     | 6,00     | 28 | 66 | HAG.050...                  | .00 | .10 |
| 5,10     | 6,00     | 28 | 66 | HAG.051...                  | .00 | .10 |
| 5,20     | 6,00     | 28 | 66 | HAG.052...                  | .00 | .10 |
| 5,30     | 6,00     | 28 | 66 | HAG.053...                  | .00 | .10 |
| 5,40     | 6,00     | 28 | 66 | HAG.054...                  | .00 | .10 |
| 5,50     | 6,00     | 28 | 66 | HAG.055...                  | .00 | .10 |
| 5,55     | 6,00     | 28 | 66 | HAG.555...                  | .00 | .10 |
| 5,60     | 6,00     | 28 | 66 | HAG.056...                  | .00 | .10 |
| 5,70     | 6,00     | 28 | 66 | HAG.057...                  | .00 | .10 |
| 5,80     | 6,00     | 28 | 66 | HAG.058...                  | .00 | .10 |
| 5,90     | 6,00     | 28 | 66 | HAG.059...                  | .00 | .10 |
| 6,00     | 6,00     | 28 | 66 | HAG.060...                  | .00 | .10 |
| 6,10     | 8,00     | 34 | 79 | HAG.061...                  | .00 | .10 |
| 6,20     | 8,00     | 34 | 79 | HAG.062...                  | .00 | .10 |
| 6,30     | 8,00     | 34 | 79 | HAG.063...                  | .00 | .10 |
| 6,40     | 8,00     | 34 | 79 | HAG.064...                  | .00 | .10 |
| 6,50     | 8,00     | 34 | 79 | HAG.065...                  | .00 | .10 |
| 6,60     | 8,00     | 34 | 79 | HAG.066...                  | .00 | .10 |
| 6,70     | 8,00     | 34 | 79 | HAG.067...                  | .00 | .10 |



# VHM-Flachbohrer 3xD

Solid carbide flat drill 3xD



Artikel-Nr. HAG...

| D1<br>m7 | D2<br>h6 | L2 | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|-----------------------------|-----|-----|
| 11,40    | 12,00    | 55 | 102 | HAG.114...                  | .00 | .10 |
| 11,50    | 12,00    | 55 | 102 | HAG.115...                  | .00 | .10 |
| 11,60    | 12,00    | 55 | 102 | HAG.116...                  | .00 | .10 |
| 11,70    | 12,00    | 55 | 102 | HAG.117...                  | .00 | .10 |
| 11,80    | 12,00    | 55 | 102 | HAG.118...                  | .00 | .10 |
| 11,90    | 12,00    | 55 | 102 | HAG.119...                  | .00 | .10 |
| 12,00    | 12,00    | 55 | 102 | HAG.120...                  | .00 | .10 |
| 12,50    | 14,00    | 60 | 107 | HAG.125...                  | .00 | .10 |
| 12,80    | 14,00    | 60 | 107 | HAG.128...                  | .00 | .10 |
| 13,00    | 14,00    | 60 | 107 | HAG.130...                  | .00 | .10 |
| 13,50    | 14,00    | 60 | 107 | HAG.135...                  | .00 | .10 |
| 13,80    | 14,00    | 60 | 107 | HAG.138...                  | .00 | .10 |
| 14,00    | 14,00    | 60 | 107 | HAG.140...                  | .00 | .10 |
| 14,50    | 16,00    | 65 | 115 | HAG.145...                  | .00 | .10 |
| 14,80    | 16,00    | 65 | 115 | HAG.148...                  | .00 | .10 |
| 15,00    | 16,00    | 65 | 115 | HAG.150...                  | .00 | .10 |
| 15,50    | 16,00    | 65 | 115 | HAG.155...                  | .00 | .10 |
| 15,80    | 16,00    | 65 | 115 | HAG.158...                  | .00 | .10 |
| 16,00    | 16,00    | 65 | 115 | HAG.160...                  | .00 | .10 |
| 16,50    | 18,00    | 73 | 123 | HAG.165...                  | .00 | .10 |
| 16,80    | 18,00    | 73 | 123 | HAG.168...                  | .00 | .10 |
| 17,00    | 18,00    | 73 | 123 | HAG.170...                  | .00 | .10 |
| 17,50    | 18,00    | 73 | 123 | HAG.175...                  | .00 | .10 |
| 17,80    | 18,00    | 73 | 123 | HAG.178...                  | .00 | .10 |
| 18,00    | 18,00    | 73 | 123 | HAG.180...                  | .00 | .10 |
| 18,50    | 20,00    | 79 | 131 | HAG.185...                  | .00 | .10 |
| 18,80    | 20,00    | 79 | 131 | HAG.188...                  | .00 | .10 |
| 19,00    | 20,00    | 79 | 131 | HAG.190...                  | .00 | .10 |
| 19,50    | 20,00    | 79 | 131 | HAG.195...                  | .00 | .10 |
| 19,80    | 20,00    | 79 | 131 | HAG.198...                  | .00 | .10 |
| 20,00    | 20,00    | 79 | 131 | HAG.200...                  | .00 | .10 |

| Neigung Werkstückoberfläche<br>Pitch of component part surface | Faktor<br>Factor                          |
|--|---|
| 0°   | 0,4                                       |
| 15°  | 0,25                                      |
| 30°  | nicht empfehlenswert<br>not recommendable |
| 45°  | nicht empfehlenswert<br>not recommendable |

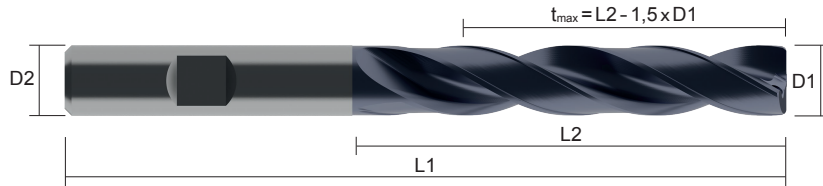
Beim Anbohren auf eine Länge von 0,25xD1 den Vorschub [mm/U] mit dem Faktor multiplizieren.  
Multiply feed rate f (mm per turn) with the factor during spot drilling to a length of 0.25xD1.

# VHM-Flachbohrer 5xD

Solid carbide flat drill 5xD

1<sup>ST</sup> CHOICE

Artikel-Nr. HAH...



| D1<br>m7 | D2<br>h6 | L2 | L1 | EF   | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|----|------|-----------------------------|-----|-----|
| 3,00     | 6,00     | 28 | 66 | 0,15 | HAH.030...                  | .00 | .10 |
| 3,10     | 6,00     | 28 | 66 | 0,16 | HAH.031...                  | .00 | .10 |
| 3,20     | 6,00     | 28 | 66 | 0,16 | HAH.032...                  | .00 | .10 |
| 3,30     | 6,00     | 28 | 66 | 0,17 | HAH.033...                  | .00 | .10 |
| 3,40     | 6,00     | 28 | 66 | 0,17 | HAH.034...                  | .00 | .10 |
| 3,50     | 6,00     | 28 | 66 | 0,18 | HAH.035...                  | .00 | .10 |
| 3,60     | 6,00     | 28 | 66 | 0,18 | HAH.036...                  | .00 | .10 |
| 3,70     | 6,00     | 28 | 66 | 0,19 | HAH.037...                  | .00 | .10 |
| 3,80     | 6,00     | 36 | 74 | 0,19 | HAH.038...                  | .00 | .10 |
| 3,90     | 6,00     | 36 | 74 | 0,20 | HAH.039...                  | .00 | .10 |
| 4,00     | 6,00     | 36 | 74 | 0,20 | HAH.040...                  | .00 | .10 |
| 4,10     | 6,00     | 36 | 74 | 0,21 | HAH.041...                  | .00 | .10 |
| 4,20     | 6,00     | 36 | 74 | 0,21 | HAH.042...                  | .00 | .10 |
| 4,30     | 6,00     | 36 | 74 | 0,22 | HAH.043...                  | .00 | .10 |
| 4,40     | 6,00     | 36 | 74 | 0,22 | HAH.044...                  | .00 | .10 |
| 4,50     | 6,00     | 36 | 74 | 0,23 | HAH.045...                  | .00 | .10 |
| 4,60     | 6,00     | 36 | 74 | 0,23 | HAH.046...                  | .00 | .10 |
| 4,65     | 6,00     | 36 | 74 | 0,23 | HAH.0465...                 | .00 | .10 |
| 4,70     | 6,00     | 36 | 74 | 0,24 | HAH.047...                  | .00 | .10 |
| 4,80     | 6,00     | 44 | 82 | 0,24 | HAH.048...                  | .00 | .10 |
| 4,90     | 6,00     | 44 | 82 | 0,25 | HAH.049...                  | .00 | .10 |
| 5,00     | 6,00     | 44 | 82 | 0,25 | HAH.050...                  | .00 | .10 |
| 5,10     | 6,00     | 44 | 82 | 0,26 | HAH.051...                  | .00 | .10 |
| 5,20     | 6,00     | 44 | 82 | 0,26 | HAH.052...                  | .00 | .10 |
| 5,30     | 6,00     | 44 | 82 | 0,27 | HAH.053...                  | .00 | .10 |
| 5,40     | 6,00     | 44 | 82 | 0,27 | HAH.054...                  | .00 | .10 |
| 5,50     | 6,00     | 44 | 82 | 0,28 | HAH.055...                  | .00 | .10 |
| 5,55     | 6,00     | 44 | 82 | 0,28 | HAH.0555...                 | .00 | .10 |
| 5,60     | 6,00     | 44 | 82 | 0,28 | HAH.056...                  | .00 | .10 |
| 5,70     | 6,00     | 44 | 82 | 0,29 | HAH.057...                  | .00 | .10 |
| 5,80     | 6,00     | 44 | 82 | 0,29 | HAH.058...                  | .00 | .10 |
| 5,90     | 6,00     | 44 | 82 | 0,30 | HAH.059...                  | .00 | .10 |
| 6,00     | 6,00     | 44 | 82 | 0,30 | HAH.060...                  | .00 | .10 |
| 6,10     | 8,00     | 53 | 91 | 0,31 | HAH.061...                  | .00 | .10 |
| 6,20     | 8,00     | 53 | 91 | 0,31 | HAH.062...                  | .00 | .10 |
| 6,30     | 8,00     | 53 | 91 | 0,32 | HAH.063...                  | .00 | .10 |
| 6,40     | 8,00     | 53 | 91 | 0,32 | HAH.064...                  | .00 | .10 |
| 6,50     | 8,00     | 53 | 91 | 0,33 | HAH.065...                  | .00 | .10 |
| 6,60     | 8,00     | 53 | 91 | 0,33 | HAH.066...                  | .00 | .10 |
| 6,70     | 8,00     | 53 | 91 | 0,34 | HAH.067...                  | .00 | .10 |

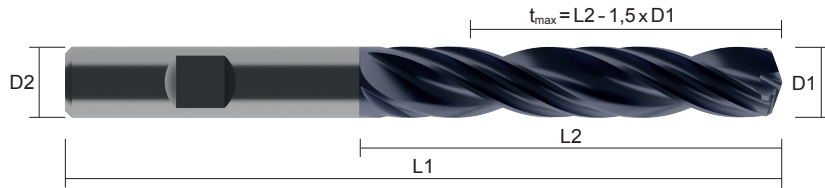




# VHM-Bohrreibahle 5xD

Solid carbide drill-reamer 5xD

Artikel-Nr. GAA...

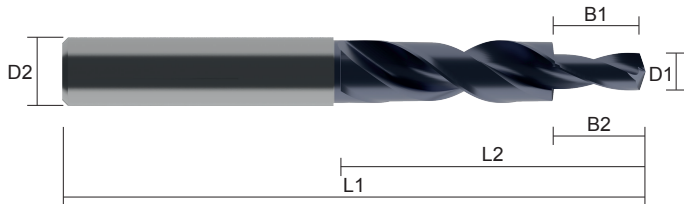


| D1<br>H7 | D2<br>h6 | L2  | L1  | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|-----|-----|-----------------------------|-----|-----|
| 3,98     | 6,00     | 36  | 74  | GAA.038...                  | .00 | .10 |
| 3,99     | 6,00     | 36  | 74  | GAA.039...                  | .00 | .10 |
| 4,00     | 6,00     | 36  | 74  | GAA.040...                  | .00 | .10 |
| 4,01     | 6,00     | 36  | 74  | GAA.041...                  | .00 | .10 |
| 4,02     | 6,00     | 36  | 74  | GAA.042...                  | .00 | .10 |
| 4,98     | 6,00     | 44  | 82  | GAA.048...                  | .00 | .10 |
| 4,99     | 6,00     | 44  | 82  | GAA.049...                  | .00 | .10 |
| 5,00     | 6,00     | 44  | 82  | GAA.050...                  | .00 | .10 |
| 5,01     | 6,00     | 44  | 82  | GAA.501...                  | .00 | .10 |
| 5,02     | 6,00     | 44  | 82  | GAA.502...                  | .00 | .10 |
| 5,98     | 6,00     | 44  | 81  | GAA.051...                  | .00 | .10 |
| 5,99     | 6,00     | 44  | 81  | GAA.052...                  | .00 | .10 |
| 6,00     | 6,00     | 44  | 81  | GAA.060...                  | .00 | .10 |
| 6,01     | 6,00     | 44  | 81  | GAA.061...                  | .00 | .10 |
| 6,02     | 6,00     | 44  | 81  | GAA.062...                  | .00 | .10 |
| 7,98     | 8,00     | 53  | 91  | GAA.070...                  | .00 | .10 |
| 7,99     | 8,00     | 53  | 91  | GAA.071...                  | .00 | .10 |
| 8,00     | 8,00     | 53  | 91  | GAA.080...                  | .00 | .10 |
| 8,01     | 8,00     | 53  | 91  | GAA.081...                  | .00 | .10 |
| 8,02     | 8,00     | 53  | 91  | GAA.082...                  | .00 | .10 |
| 9,98     | 10,00    | 61  | 103 | GAA.090...                  | .00 | .10 |
| 9,99     | 10,00    | 61  | 103 | GAA.091...                  | .00 | .10 |
| 10,00    | 10,00    | 61  | 103 | GAA.092...                  | .00 | .10 |
| 10,01    | 10,00    | 61  | 103 | GAA.100...                  | .00 | .10 |
| 10,02    | 10,00    | 61  | 103 | GAA.101...                  | .00 | .10 |
| 11,98    | 12,00    | 72  | 118 | GAA.110...                  | .00 | .10 |
| 11,99    | 12,00    | 72  | 118 | GAA.111...                  | .00 | .10 |
| 12,00    | 12,00    | 72  | 118 | GAA.120...                  | .00 | .10 |
| 12,01    | 12,00    | 72  | 118 | GAA.121...                  | .00 | .10 |
| 12,02    | 12,00    | 72  | 118 | GAA.122...                  | .00 | .10 |
| 14,00    | 14,00    | 77  | 124 | GAA.140...                  | .00 | .10 |
| 16,00    | 16,00    | 83  | 133 | GAA.160...                  | .00 | .10 |
| 18,00    | 18,00    | 93  | 143 | GAA.180...                  | .00 | .10 |
| 20,00    | 20,00    | 101 | 153 | GAA.200...                  | .00 | .10 |

## VHM-Stufenbohrer für Schraubkopfsenkung

Solid carbide step drill for screw-head sink.

Artikel-Nr. HDA...

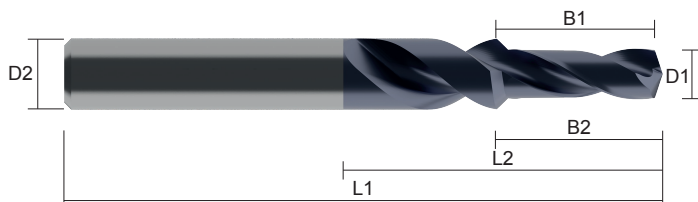


| D1<br>h8 | D2<br>h6 | L2 | L1  | B1    | B2    | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|-------|-----------------------------|
| 3,40     | 6,00     | 28 | 64  | 9,00  | 9,62  | HDA.034.00                  |
| 4,50     | 8,00     | 37 | 79  | 11,00 | 11,82 | HDA.045.00                  |
| 5,50     | 10,00    | 43 | 89  | 13,00 | 14,00 | HDA.055.00                  |
| 6,60     | 12,00    | 55 | 102 | 15,00 | 16,20 | HDA.066.00                  |
| 9,00     | 16,00    | 65 | 115 | 19,00 | 20,64 | HDA.090.00                  |
| 11,00    | 18,00    | 62 | 123 | 23,00 | 25,00 | HDA.110.00                  |

## VHM-Stufenbohrer für Kernlochbohrung

Solid carbide step drill for tapping drillhole

Artikel-Nr. HEZ...



| D1<br>h7 | D2<br>h6 | L2 | L1  | B1    | B2    | Für<br>Gewinde<br>Thread | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-------|-------|--------------------------|-----------------------------|
| 2,50     | 6,00     | 20 | 66  | 8,80  | 11,00 | M3                       | HEZ.025.00                  |
| 2,80     | 6,00     | 20 | 66  | 12,00 | 14,11 | M3F*                     | HEZ.028.00                  |
| 3,30     | 6,00     | 24 | 66  | 11,40 | 13,35 | M4                       | HEZ.033.00                  |
| 3,70     | 6,00     | 24 | 66  | 14,00 | 15,82 | M4F*                     | HEZ.037.00                  |
| 4,20     | 6,00     | 28 | 66  | 13,60 | 15,26 | M5                       | HEZ.042.00                  |
| 4,65     | 6,00     | 28 | 66  | 20,00 | 21,52 | M5F*                     | HEZ.0465.00                 |
| 5,00     | 8,00     | 34 | 79  | 16,50 | 18,91 | M6                       | HEZ.050.00                  |
| 5,55     | 8,00     | 34 | 79  | 24,00 | 26,24 | M6F*                     | HEZ.0555.00                 |
| 6,80     | 10,00    | 47 | 89  | 21,00 | 23,84 | M8                       | HEZ.068.00                  |
| 7,45     | 10,00    | 47 | 89  | 21,00 | 23,63 | M8 F*                    | HEZ.0745.00                 |
| 8,50     | 12,00    | 55 | 102 | 25,50 | 28,80 | M10                      | HEZ.085.00                  |
| 9,35     | 12,00    | 55 | 102 | 30,00 | 33,03 | M10 F*                   | HEZ.0935.00                 |
| 10,20    | 14,00    | 60 | 107 | 30,00 | 33,76 | M12                      | HEZ.102.00                  |
| 11,20    | 14,00    | 60 | 107 | 30,00 | 33,44 | M12 F*                   | HEZ.112.00                  |

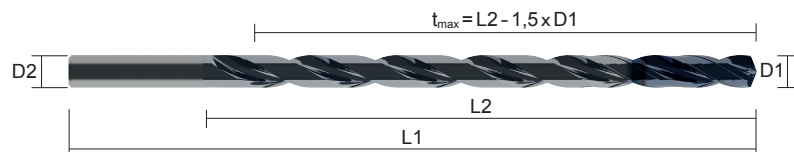
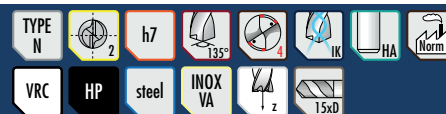
\*F= Gewindeformer / Thread former

## VHM-Tieflochbohrer 15xD

Solid carbide deep-hole drill 15xD

1<sup>ST</sup>  
CHOICE

Artikel-Nr. IZH...



| D1<br>h7 | Inch | D2<br>h6 | L2    | L1  | Artikel-Nr./<br>Article-No. |
|----------|------|----------|-------|-----|-----------------------------|
| 1,000    | -    | 3,00     | 18,20 | 75  | IZH.010.00                  |
| 1,100    | -    | 3,00     | 20,20 | 75  | IZH.011.00                  |
| 1,200    | -    | 3,00     | 24,20 | 75  | IZH.012.00                  |
| 1,300    | -    | 3,00     | 24,20 | 75  | IZH.013.00                  |
| 1,400    | -    | 3,00     | 27,20 | 75  | IZH.014.00                  |
| 1,500    | -    | 3,00     | 27,20 | 75  | IZH.015.00                  |
| 1,600    | -    | 3,00     | 30,20 | 75  | IZH.016.00                  |
| 1,700    | -    | 3,00     | 30,20 | 75  | IZH.017.00                  |
| 1,800    | -    | 3,00     | 35,20 | 75  | IZH.018.00                  |
| 1,900    | -    | 3,00     | 35,20 | 75  | IZH.019.00                  |
| 2,000    | -    | 4,00     | 35,50 | 80  | IZH.020.00                  |
| 2,100    | -    | 4,00     | 40,50 | 80  | IZH.021.00                  |
| 2,200    | -    | 4,00     | 40,50 | 80  | IZH.022.00                  |
| 2,300    | -    | 4,00     | 40,50 | 80  | IZH.023.00                  |
| 2,400    | -    | 4,00     | 45,50 | 90  | IZH.024.00                  |
| 2,500    | -    | 4,00     | 45,50 | 90  | IZH.025.00                  |
| 2,600    | -    | 4,00     | 48,50 | 90  | IZH.026.00                  |
| 2,700    | -    | 4,00     | 48,50 | 90  | IZH.027.00                  |
| 2,800    | -    | 4,00     | 50,50 | 90  | IZH.028.00                  |
| 2,900    | -    | 4,00     | 50,50 | 90  | IZH.029.00                  |
| 3,000    | -    | 6,00     | 55,50 | 100 | IZH.030.00                  |
| 3,100    | -    | 6,00     | 55,50 | 100 | IZH.031.00                  |
| 3,175    | 1/8  | 6,00     | 60,50 | 100 | IZH.3175.00                 |
| 3,200    | -    | 6,00     | 60,50 | 100 | IZH.032.00                  |
| 3,300    | -    | 6,00     | 60,50 | 100 | IZH.033.00                  |
| 3,400    | -    | 6,00     | 60,50 | 100 | IZH.034.00                  |
| 3,500    | -    | 6,00     | 65,50 | 108 | IZH.035.00                  |
| 3,572    | 9/64 | 6,00     | 65,50 | 100 | IZH.3572.00                 |
| 3,600    | -    | 6,00     | 65,50 | 108 | IZH.036.00                  |
| 3,700    | -    | 6,00     | 70,50 | 108 | IZH.037.00                  |
| 3,800    | -    | 6,00     | 70,50 | 108 | IZH.038.00                  |
| 3,900    | -    | 6,00     | 70,50 | 108 | IZH.039.00                  |
| 3,969    | 5/32 | 6,00     | 75,50 | 115 | IZH.3969.00                 |
| 4,000    | -    | 6,00     | 75,50 | 120 | IZH.040.00                  |
| 4,100    | -    | 6,00     | 75,50 | 120 | IZH.041.00                  |
| 4,200    | -    | 6,00     | 75,50 | 120 | IZH.042.00                  |
| 4,300    | -    | 6,00     | 80,50 | 120 | IZH.043.00                  |
| 4,400    | -    | 6,00     | 80,50 | 120 | IZH.044.00                  |
| 4,500    | -    | 6,00     | 80,50 | 120 | IZH.045.00                  |
| 4,600    | -    | 6,00     | 85,50 | 125 | IZH.046.00                  |

## VHM-Tieflochbohrer 15xD

Solid carbide deep-hole drill 15xD

1<sup>ST</sup>  
CHOICE

| Artikel-Nr. IZH... |       |          |        |     |                             |
|--------------------|-------|----------|--------|-----|-----------------------------|
| D1<br>h7           | Inch  | D2<br>h6 | L2     | L1  | Artikel-Nr./<br>Article-No. |
| 4,700              | -     | 6,00     | 85,50  | 125 | IZH.047.00                  |
| 4,763              | 3/16  | 6,00     | 90,50  | 130 | IZH.4763.00                 |
| 4,800              | -     | 6,00     | 90,50  | 140 | IZH.048.00                  |
| 4,900              | -     | 6,00     | 90,50  | 140 | IZH.049.00                  |
| 5,000              | -     | 6,00     | 90,50  | 140 | IZH.050.00                  |
| 5,100              | -     | 6,00     | 95,50  | 140 | IZH.051.00                  |
| 5,200              | -     | 6,00     | 95,50  | 140 | IZH.052.00                  |
| 5,300              | -     | 6,00     | 95,50  | 140 | IZH.053.00                  |
| 5,400              | -     | 6,00     | 95,50  | 140 | IZH.054.00                  |
| 5,500              | -     | 6,00     | 100,50 | 150 | IZH.055.00                  |
| 5,556              | 7/32  | 6,00     | 100,50 | 145 | IZH.5556.00                 |
| 5,600              | -     | 6,00     | 100,50 | 150 | IZH.056.00                  |
| 5,700              | -     | 6,00     | 100,50 | 150 | IZH.057.00                  |
| 5,800              | -     | 6,00     | 100,50 | 150 | IZH.058.00                  |
| 5,900              | -     | 6,00     | 100,50 | 150 | IZH.059.00                  |
| 6,000              | -     | 6,00     | 100,50 | 150 | IZH.060.00                  |
| 6,100              | -     | 8,00     | 108,00 | 148 | IZH.061.00                  |
| 6,200              | -     | 8,00     | 108,00 | 148 | IZH.062.00                  |
| 6,300              | -     | 8,00     | 108,00 | 148 | IZH.063.00                  |
| 6,350              | 1/4   | 8,00     | 108,00 | 148 | IZH.6350.00                 |
| 6,400              | -     | 8,00     | 108,00 | 148 | IZH.064.00                  |
| 6,500              | -     | 8,00     | 121,00 | 160 | IZH.065.00                  |
| 6,600              | -     | 8,00     | 121,00 | 160 | IZH.066.00                  |
| 6,700              | -     | 8,00     | 131,00 | 170 | IZH.067.00                  |
| 6,800              | -     | 8,00     | 131,00 | 170 | IZH.068.00                  |
| 6,900              | -     | 8,00     | 131,00 | 170 | IZH.069.00                  |
| 7,000              | -     | 8,00     | 131,00 | 170 | IZH.070.00                  |
| 7,144              | 9/32  | 8,00     | 131,00 | 170 | IZH.7144.00                 |
| 7,500              | -     | 8,00     | 131,00 | 170 | IZH.075.00                  |
| 7,800              | -     | 8,00     | 141,00 | 180 | IZH.078.00                  |
| 7,938              | 5/16  | 8,00     | 141,00 | 180 | IZH.7938.00                 |
| 8,000              | -     | 8,00     | 141,00 | 180 | IZH.080.00                  |
| 8,500              | -     | 10,00    | 155,00 | 198 | IZH.085.00                  |
| 8,731              | 11/32 | 10,00    | 165,00 | 208 | IZH.8731.00                 |
| 8,800              | -     | 10,00    | 165,00 | 208 | IZH.088.00                  |
| 9,000              | -     | 10,00    | 165,00 | 208 | IZH.090.00                  |
| 9,500              | -     | 10,00    | 165,00 | 208 | IZH.095.00                  |
| 9,525              | 3/8   | 10,00    | 165,00 | 208 | IZH.9525.00                 |
| 9,800              | -     | 10,00    | 165,00 | 208 | IZH.098.00                  |
| 10,000             | -     | 10,00    | 175,00 | 218 | IZH.100.00                  |
| 10,200             | -     | 12,00    | 187,00 | 235 | IZH.102.00                  |
| 10,319             | 13/32 | 12,00    | 187,00 | 235 | IZH.10319.00                |
| 10,500             | -     | 12,00    | 197,00 | 245 | IZH.105.00                  |
| 10,800             | -     | 12,00    | 197,00 | 245 | IZH.108.00                  |
| 11,000             | -     | 12,00    | 197,00 | 245 | IZH.110.00                  |
| 11,113             | 7/16  | 12,00    | 197,00 | 245 | IZH.11113.00                |

# VHM-Tieflochbohrer 15xD

Solid carbide deep-hole drill 15xD

**1<sup>ST</sup>**  
CHOICE

Artikel-Nr. IZH...

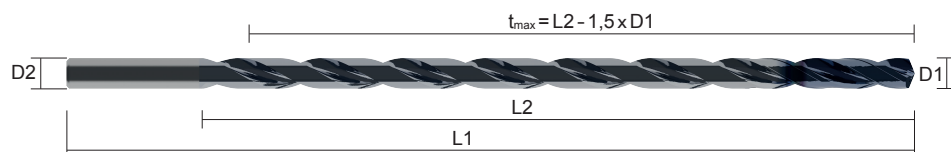
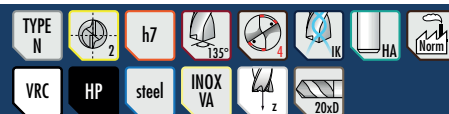
| D1<br>h7 | Inch  | D2<br>h6 | L2     | L1  | Artikel-Nr./<br>Article-No. |
|----------|-------|----------|--------|-----|-----------------------------|
| 11,200   | -     | 12,00    | 197,00 | 245 | IZH.112.00                  |
| 11,500   | -     | 12,00    | 197,00 | 245 | IZH.115.00                  |
| 11,800   | -     | 12,00    | 207,00 | 255 | IZH.118.00                  |
| 11,906   | 15/32 | 12,00    | 207,00 | 255 | IZH.11906.00                |
| 12,000   | -     | 12,00    | 207,00 | 255 | IZH.120.00                  |

## VHM-Tieflochbohrer 20xD

Solid carbide deep-hole drill 20xD

1<sup>ST</sup>  
CHOICE

Artikel-Nr. IZI...



| D1<br>h7 | Inch | D2<br>h6 | L2     | L1  | Artikel-Nr./<br>Article-No. |
|----------|------|----------|--------|-----|-----------------------------|
| 2,000    | -    | 4,00     | 45,50  | 95  | IZI.020.00                  |
| 2,100    | -    | 4,00     | 50,50  | 95  | IZI.021.00                  |
| 2,200    | -    | 4,00     | 50,50  | 95  | IZI.022.00                  |
| 2,300    | -    | 4,00     | 55,50  | 95  | IZI.023.00                  |
| 2,400    | -    | 4,00     | 55,50  | 95  | IZI.024.00                  |
| 2,500    | -    | 4,00     | 60,50  | 108 | IZI.025.00                  |
| 2,600    | -    | 4,00     | 60,50  | 108 | IZI.026.00                  |
| 2,700    | -    | 4,00     | 65,50  | 108 | IZI.027.00                  |
| 2,800    | -    | 4,00     | 65,50  | 108 | IZI.028.00                  |
| 2,900    | -    | 4,00     | 68,50  | 112 | IZI.029.00                  |
| 3,000    | -    | 6,00     | 68,50  | 112 | IZI.030.00                  |
| 3,175    | 1/8  | 6,00     | 75,50  | 120 | IZI.3175.00                 |
| 3,200    | -    | 6,00     | 75,50  | 120 | IZI.032.00                  |
| 3,300    | -    | 6,00     | 75,50  | 120 | IZI.033.00                  |
| 3,500    | -    | 6,00     | 80,50  | 130 | IZI.035.00                  |
| 3,572    | 9/64 | 6,00     | 80,50  | 130 | IZI.3572.00                 |
| 3,800    | -    | 6,00     | 90,50  | 140 | IZI.038.00                  |
| 3,969    | 5/32 | 6,00     | 95,50  | 140 | IZI.3969.00                 |
| 4,000    | -    | 6,00     | 95,50  | 140 | IZI.040.00                  |
| 4,200    | -    | 6,00     | 95,50  | 140 | IZI.042.00                  |
| 4,500    | -    | 6,00     | 110,50 | 160 | IZI.045.00                  |
| 4,600    | -    | 6,00     | 110,50 | 160 | IZI.046.00                  |
| 4,763    | 3/16 | 6,00     | 115,50 | 160 | IZI.4763.00                 |
| 4,800    | -    | 6,00     | 115,50 | 160 | IZI.048.00                  |
| 5,000    | -    | 6,00     | 115,50 | 160 | IZI.050.00                  |
| 5,500    | -    | 6,00     | 140,50 | 185 | IZI.055.00                  |
| 5,556    | 7/32 | 6,00     | 140,50 | 185 | IZI.5556.00                 |
| 5,800    | -    | 6,00     | 140,50 | 185 | IZI.058.00                  |
| 6,000    | -    | 6,00     | 140,50 | 185 | IZI.060.00                  |
| 6,350    | 1/4  | 8,00     | 150,00 | 190 | IZI.6350.00                 |
| 6,500    | -    | 8,00     | 150,00 | 190 | IZI.065.00                  |
| 6,800    | -    | 8,00     | 160,00 | 200 | IZI.068.00                  |
| 7,000    | -    | 8,00     | 170,00 | 210 | IZI.070.00                  |
| 7,144    | 9/32 | 8,00     | 170,00 | 210 | IZI.7144.00                 |
| 7,500    | -    | 8,00     | 170,00 | 210 | IZI.075.00                  |
| 7,800    | -    | 8,00     | 190,00 | 230 | IZI.078.00                  |
| 7,938    | 5/16 | 8,00     | 190,00 | 230 | IZI.7938.00                 |
| 8,000    | -    | 8,00     | 190,00 | 230 | IZI.080.00                  |

## VHM-Tieflochbohrer 20xD

Solid carbide deep-hole drill 20xD

1<sup>ST</sup>  
CHOICE

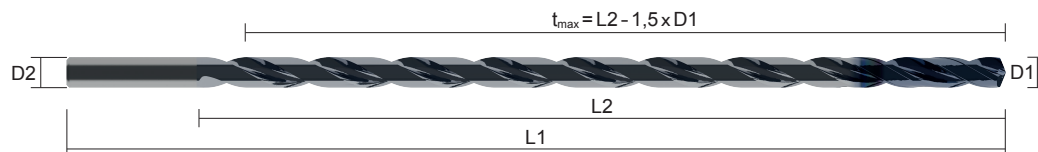
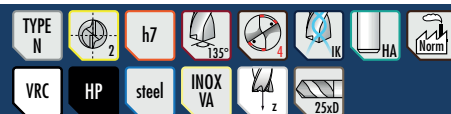
| Artikel-Nr. IZI... |       |          |        |     |                             |
|--------------------|-------|----------|--------|-----|-----------------------------|
|                    |       |          |        |     |                             |
| D1<br>h7           | Inch  | D2<br>h6 | L2     | L1  | Artikel-Nr./<br>Article-No. |
| 8,500              | -     | 10,00    | 196,00 | 240 | IZI.085.00                  |
| 8,731              | 11/32 | 10,00    | 216,00 | 260 | IZI.8731.00                 |
| 8,800              | -     | 10,00    | 216,00 | 260 | IZI.088.00                  |
| 9,000              | -     | 10,00    | 216,00 | 260 | IZI.090.00                  |
| 9,525              | 3/8   | 10,00    | 236,00 | 280 | IZI.9525.00                 |
| 9,800              | -     | 10,00    | 236,00 | 280 | IZI.098.00                  |
| 10,000             | -     | 10,00    | 236,00 | 280 | IZI.100.00                  |
| 10,200             | -     | 12,00    | 241,00 | 290 | IZI.102.00                  |
| 10,319             | 13/32 | 12,00    | 241,00 | 290 | IZI.10319.00                |
| 10,800             | -     | 12,00    | 266,00 | 315 | IZI.108.00                  |
| 11,113             | 7/16  | 12,00    | 266,00 | 315 | IZI.11113.00                |
| 11,800             | -     | 12,00    | 266,00 | 315 | IZI.118.00                  |
| 11,906             | 15/32 | 12,00    | 266,00 | 315 | IZI.11906.00                |
| 12,000             | -     | 12,00    | 266,00 | 315 | IZI.120.00                  |

## VHM-Tieflochbohrer 25xD

Solid carbide deep-hole drill 25xD

1<sup>ST</sup>  
CHOICE

Artikel-Nr. IAZ...



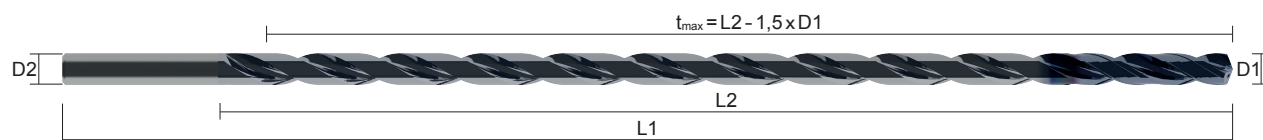
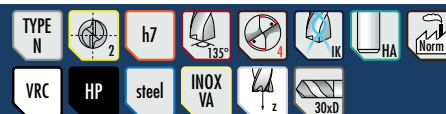
| D1<br>h7 | Inch  | D2<br>h6 | L2     | L1  | Artikel-Nr./<br>Article-No. |
|----------|-------|----------|--------|-----|-----------------------------|
| 3,000    | -     | 6,00     | 85,50  | 130 | IAZ.030.00                  |
| 3,175    | 1/8   | 6,00     | 95,50  | 140 | IAZ.3175.00                 |
| 3,200    | -     | 6,00     | 95,50  | 140 | IAZ.032.00                  |
| 3,300    | -     | 6,00     | 95,50  | 140 | IAZ.033.00                  |
| 3,500    | -     | 6,00     | 100,50 | 150 | IAZ.035.00                  |
| 3,572    | 9/64  | 6,00     | 100,50 | 150 | IAZ.3572.00                 |
| 3,800    | -     | 6,00     | 105,50 | 150 | IAZ.038.00                  |
| 3,969    | 5/32  | 6,00     | 110,50 | 160 | IAZ.3969.00                 |
| 4,000    | -     | 6,00     | 110,50 | 160 | IAZ.040.00                  |
| 4,200    | -     | 6,00     | 120,50 | 170 | IAZ.042.00                  |
| 4,500    | -     | 6,00     | 130,50 | 180 | IAZ.045.00                  |
| 4,763    | 3/16  | 6,00     | 140,50 | 190 | IAZ.4763.00                 |
| 4,800    | -     | 6,00     | 140,50 | 190 | IAZ.048.00                  |
| 5,000    | -     | 6,00     | 140,50 | 190 | IAZ.050.00                  |
| 5,500    | -     | 6,00     | 160,50 | 210 | IAZ.055.00                  |
| 5,556    | 7/32  | 6,00     | 160,50 | 210 | IAZ.5556.00                 |
| 5,800    | -     | 6,00     | 160,50 | 210 | IAZ.058.00                  |
| 6,000    | -     | 6,00     | 170,50 | 220 | IAZ.060.00                  |
| 6,350    | 1/4   | 8,00     | 191,00 | 230 | IAZ.6350.00                 |
| 6,500    | -     | 8,00     | 191,00 | 230 | IAZ.065.00                  |
| 6,800    | -     | 8,00     | 191,00 | 230 | IAZ.068.00                  |
| 7,000    | -     | 8,00     | 201,00 | 240 | IAZ.070.00                  |
| 7,144    | 9/32  | 8,00     | 201,00 | 240 | IAZ.7144.00                 |
| 7,500    | -     | 8,00     | 214,00 | 250 | IAZ.075.00                  |
| 7,800    | -     | 8,00     | 224,00 | 260 | IAZ.078.00                  |
| 7,938    | 5/16  | 8,00     | 224,00 | 260 | IAZ.7938.00                 |
| 8,000    | -     | 8,00     | 224,00 | 260 | IAZ.080.00                  |
| 8,500    | -     | 10,00    | 237,00 | 280 | IAZ.085.00                  |
| 8,731    | 11/32 | 10,00    | 247,00 | 290 | IAZ.8731.00                 |
| 8,800    | -     | 10,00    | 247,00 | 290 | IAZ.088.00                  |
| 9,000    | -     | 10,00    | 247,00 | 290 | IAZ.090.00                  |
| 9,500    | -     | 10,00    | 267,00 | 310 | IAZ.095.00                  |
| 9,525    | 3/8   | 10,00    | 267,00 | 310 | IAZ.9525.00                 |
| 9,800    | -     | 10,00    | 267,00 | 310 | IAZ.098.00                  |
| 10,000   | -     | 10,00    | 267,00 | 310 | IAZ.100.00                  |
| 10,200   | -     | 12,00    | 292,00 | 340 | IAZ.102.00                  |
| 10,319   | 13/32 | 12,00    | 292,00 | 340 | IAZ.10319.00                |
| 10,800   | -     | 12,00    | 302,00 | 350 | IAZ.108.00                  |
| 11,113   | 7/16  | 12,00    | 302,00 | 350 | IAZ.11113.00                |
| 11,800   | -     | 12,00    | 327,00 | 375 | IAZ.118.00                  |
| 11,906   | 15/32 | 12,00    | 327,00 | 375 | IAZ.11906.00                |
| 12,000   | -     | 12,00    | 327,00 | 375 | IAZ.120.00                  |

## VHM-Tieflochbohrer 30xD

Solid carbide deep-hole drill 30xD

1<sup>ST</sup>  
CHOICE

Artikel-Nr. IAA...



| D1<br>h7 | Inch  | D2<br>h6 | L2     | L1  | Artikel-Nr./<br>Article-No. |
|----------|-------|----------|--------|-----|-----------------------------|
| 2,000    | -     | 4,00     | 65,50  | 105 | IAA.020.00                  |
| 2,200    | -     | 4,00     | 75,50  | 115 | IAA.022.00                  |
| 2,300    | -     | 4,00     | 75,50  | 115 | IAA.023.00                  |
| 2,400    | -     | 4,00     | 85,50  | 130 | IAA.024.00                  |
| 2,500    | -     | 4,00     | 85,50  | 130 | IAA.025.00                  |
| 2,700    | -     | 4,00     | 95,50  | 140 | IAA.027.00                  |
| 2,800    | -     | 4,00     | 95,50  | 140 | IAA.028.00                  |
| 2,900    | -     | 4,00     | 95,50  | 140 | IAA.029.00                  |
| 3,000    | -     | 6,00     | 105,50 | 150 | IAA.030.00                  |
| 3,175    | 1/8   | 6,00     | 105,50 | 150 | IAA.3175.00                 |
| 3,200    | -     | 6,00     | 105,50 | 150 | IAA.032.00                  |
| 3,300    | -     | 6,00     | 115,50 | 160 | IAA.033.00                  |
| 3,500    | -     | 6,00     | 115,50 | 160 | IAA.035.00                  |
| 3,572    | 9/64  | 6,00     | 115,50 | 160 | IAA.3572.00                 |
| 3,800    | -     | 6,00     | 125,50 | 175 | IAA.038.00                  |
| 3,969    | 5/32  | 6,00     | 135,50 | 185 | IAA.3969.00                 |
| 4,000    | -     | 6,00     | 135,50 | 185 | IAA.040.00                  |
| 4,200    | -     | 6,00     | 135,50 | 185 | IAA.042.00                  |
| 4,500    | -     | 6,00     | 145,50 | 195 | IAA.045.00                  |
| 4,600    | -     | 6,00     | 155,50 | 205 | IAA.046.00                  |
| 4,763    | 3/16  | 6,00     | 165,50 | 210 | IAA.4763.00                 |
| 4,800    | -     | 6,00     | 165,50 | 210 | IAA.048.00                  |
| 5,000    | -     | 6,00     | 165,50 | 210 | IAA.050.00                  |
| 5,500    | -     | 6,00     | 180,50 | 240 | IAA.055.00                  |
| 5,556    | 7/32  | 6,00     | 180,50 | 240 | IAA.5556.00                 |
| 5,800    | -     | 6,00     | 190,50 | 240 | IAA.058.00                  |
| 6,000    | -     | 6,00     | 190,50 | 240 | IAA.060.00                  |
| 6,350    | 1/4   | 8,00     | 222,00 | 260 | IAA.6350.00                 |
| 6,500    | -     | 8,00     | 222,00 | 260 | IAA.065.00                  |
| 6,800    | -     | 8,00     | 222,00 | 260 | IAA.068.00                  |
| 7,000    | -     | 8,00     | 232,00 | 270 | IAA.070.00                  |
| 7,144    | 9/32  | 8,00     | 232,00 | 270 | IAA.7144.00                 |
| 7,500    | -     | 8,00     | 252,00 | 290 | IAA.075.00                  |
| 7,800    | -     | 8,00     | 262,00 | 300 | IAA.078.00                  |
| 7,938    | 5/16  | 8,00     | 267,00 | 305 | IAA.7938.00                 |
| 8,000    | -     | 8,00     | 267,00 | 305 | IAA.080.00                  |
| 8,500    | -     | 10,00    | 278,00 | 320 | IAA.085.00                  |
| 8,731    | 11/32 | 10,00    | 298,00 | 340 | IAA.8731.00                 |

# VHM-Tieflochbohrer 30xD

Solid carbide deep-hole drill 30xD

**1<sup>ST</sup>**  
CHOICE

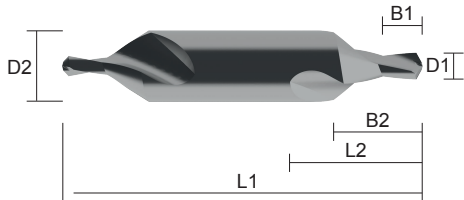
Artikel-Nr. IAA...

| D1<br>h7 | Inch | D2<br>h6 | L2     | L1  | Artikel-Nr./<br>Article-No. |
|----------|------|----------|--------|-----|-----------------------------|
| 8,800    | -    | 10,00    | 298,00 | 340 | IAA.088.00                  |
| 9,000    | -    | 10,00    | 298,00 | 340 | IAA.090.00                  |
| 9,500    | -    | 10,00    | 318,00 | 360 | IAA.095.00                  |
| 9,525    | 3/8  | 10,00    | 318,00 | 360 | IAA.9525.00                 |
| 9,800    | -    | 10,00    | 338,00 | 380 | IAA.098.00                  |
| 10,000   | -    | 10,00    | 338,00 | 380 | IAA.100.00                  |

## VHM-Zentrierbohrer

Solid carbide center drill

Artikel-Nr. FZH...

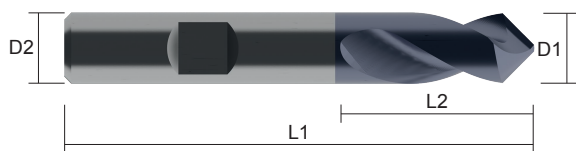


| D1<br>h10 | D2<br>h6 | L2    | L1    | B1   | B2    | Artikel-Nr./<br>Article-No. |
|-----------|----------|-------|-------|------|-------|-----------------------------|
| 0,50      | 3,15     | 5,50  | 31,50 | 0,80 | 3,24  | FZH.050.09                  |
| 0,80      | 3,15     | 5,50  | 31,50 | 1,10 | 3,37  | FZH.080.09                  |
| 1,00      | 3,15     | 6,00  | 31,50 | 1,30 | 3,45  | FZH.100.09                  |
| 1,25      | 3,15     | 6,00  | 31,50 | 1,60 | 3,60  | FZH.125.09                  |
| 1,60      | 4,00     | 7,50  | 35,50 | 2,00 | 4,54  | FZH.160.09                  |
| 2,00      | 5,00     | 9,50  | 40,00 | 2,50 | 5,68  | FZH.200.09                  |
| 2,50      | 6,30     | 12,00 | 45,00 | 3,10 | 7,11  | FZH.250.09                  |
| 3,15      | 8,00     | 15,00 | 50,00 | 3,90 | 9,01  | FZH.315.09                  |
| 4,00      | 10,00    | 19,00 | 56,00 | 5,00 | 11,35 | FZH.400.09                  |
| 5,00      | 12,50    | 23,50 | 63,00 | 6,30 | 14,24 | FZH.500.09                  |
| 6,30      | 16,00    | 30,00 | 71,00 | 8,00 | 18,22 | FZH.630.09                  |

## VHM-Anbohrer 90°

Solid carbide spotting drill 90°

Artikel-Nr. HIZ...

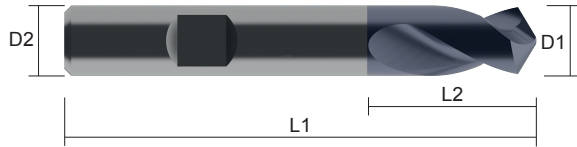


| D1    | D2<br>h6 | L2 | L1 | Artikel-Nr./<br>Article-No. | BLANK | TIALN |
|-------|----------|----|----|-----------------------------|-------|-------|
| 3,00  | 3,00     | 8  | 38 | HIZ.030...                  | .09   | .00   |
| 4,00  | 4,00     | 10 | 50 | HIZ.040...                  | .09   | .00   |
| 5,00  | 5,00     | 13 | 50 | HIZ.050...                  | .09   | .00   |
| 6,00  | 6,00     | 13 | 57 | HIZ.060...                  | .09   | .00   |
| 8,00  | 8,00     | 19 | 63 | HIZ.080...                  | .09   | .00   |
| 10,00 | 10,00    | 20 | 66 | HIZ.100...                  | .09   | .00   |
| 12,00 | 12,00    | 22 | 73 | HIZ.120...                  | .09   | .00   |
| 16,00 | 16,00    | 24 | 82 | HIZ.160...                  | .09   | .00   |
| 20,00 | 20,00    | 30 | 92 | HIZ.200...                  | .09   | .00   |

## VHM-Anbohrer 120°

Solid carbide spotting drill 120°

Artikel-Nr. HFZ...

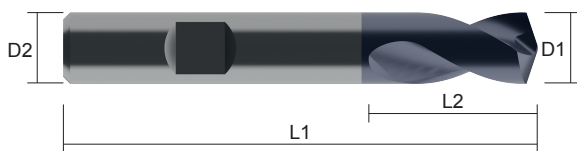


| D1    | D2<br>h6 | L2 | L1 | Artikel-Nr./<br>Article-No. | BLANK | TIALN |
|-------|----------|----|----|-----------------------------|-------|-------|
| 3,00  | 3,00     | 8  | 38 | HFZ.030...                  | .09   | .00   |
| 4,00  | 4,00     | 10 | 50 | HFZ.040...                  | .09   | .00   |
| 5,00  | 5,00     | 13 | 50 | HFZ.050...                  | .09   | .00   |
| 6,00  | 6,00     | 13 | 57 | HFZ.060...                  | .09   | .00   |
| 8,00  | 8,00     | 19 | 63 | HFZ.080...                  | .09   | .00   |
| 10,00 | 10,00    | 20 | 66 | HFZ.100...                  | .09   | .00   |
| 12,00 | 12,00    | 22 | 73 | HFZ.120...                  | .09   | .00   |
| 16,00 | 16,00    | 24 | 82 | HFZ.160...                  | .09   | .00   |
| 20,00 | 20,00    | 30 | 92 | HFZ.200...                  | .09   | .00   |

## VHM-Anbohrer 142°

Solid carbide spotting drill 142°

Artikel-Nr. HAD...

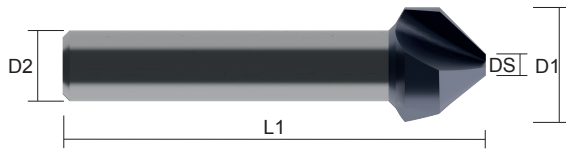
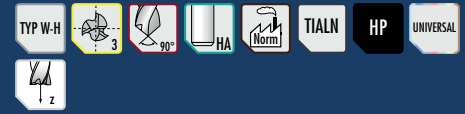


| D1    | D2<br>h6 | L2 | L1 | Artikel-Nr./<br>Article-No. | BLANK | TIALN |
|-------|----------|----|----|-----------------------------|-------|-------|
| 3,00  | 3,00     | 8  | 38 | HAD.030...                  | .09   | .00   |
| 4,00  | 4,00     | 10 | 50 | HAD.040...                  | .09   | .00   |
| 5,00  | 5,00     | 13 | 50 | HAD.050...                  | .09   | .00   |
| 6,00  | 6,00     | 11 | 57 | HAD.060...                  | .09   | .00   |
| 8,00  | 8,00     | 19 | 63 | HAD.080...                  | .09   | .00   |
| 10,00 | 10,00    | 20 | 66 | HAD.100...                  | .09   | .00   |
| 12,00 | 12,00    | 22 | 73 | HAD.120...                  | .09   | .00   |
| 16,00 | 16,00    | 24 | 82 | HAD.160...                  | .09   | .00   |
| 20,00 | 20,00    | 30 | 92 | HAD.200...                  | .09   | .00   |

## VHM-Kegelsenker 90°

Solid carbide countersink 90°

Artikel-Nr. GCZ...

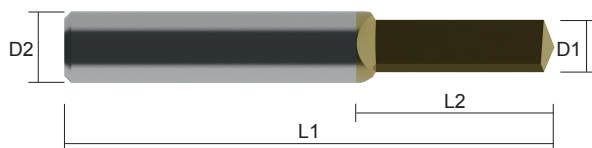
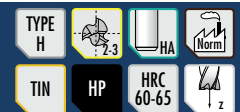


| D1    | D2<br>h6 | DS   | L1 | Z | Artikel-Nr./<br>Article-No. |
|-------|----------|------|----|---|-----------------------------|
| 4,30  | 4,00     | 0,50 | 40 | 3 | GCZ.043.00                  |
| 5,30  | 4,00     | 1,00 | 40 | 3 | GCZ.053.00                  |
| 6,30  | 5,00     | 1,50 | 45 | 3 | GCZ.063.00                  |
| 8,30  | 6,00     | 2,00 | 50 | 3 | GCZ.083.00                  |
| 10,40 | 6,00     | 3,00 | 50 | 3 | GCZ.104.00                  |
| 12,40 | 8,00     | 3,00 | 56 | 3 | GCZ.124.00                  |
| 16,50 | 10,00    | 3,50 | 60 | 3 | GCZ.165.00                  |
| 20,50 | 10,00    | 4,00 | 63 | 3 | GCZ.205.00                  |
| 25,00 | 10,00    | 4,00 | 67 | 3 | GCZ.250.00                  |

## VHM-Gewindeausbohrwerkzeug

Solid carbide thread boring tool

Artikel-Nr. DZZ...

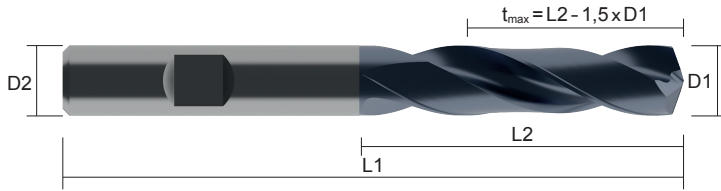


| D1<br>h9 | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|---|-----------------------------|
| 2,50     | 6,00     | 12 | 50  | 2 | DZZ.025.00                  |
| 3,30     | 6,00     | 15 | 50  | 3 | DZZ.033.00                  |
| 4,20     | 6,00     | 15 | 50  | 3 | DZZ.042.00                  |
| 5,00     | 6,00     | 15 | 50  | 3 | DZZ.050.00                  |
| 6,80     | 8,00     | 20 | 60  | 3 | DZZ.068.00                  |
| 8,50     | 10,00    | 25 | 70  | 3 | DZZ.085.00                  |
| 10,20    | 12,00    | 30 | 75  | 3 | DZZ.102.00                  |
| 12,00    | 12,00    | 30 | 75  | 3 | DZZ.120.00                  |
| 14,00    | 14,00    | 40 | 100 | 3 | DZZ.140.00                  |
| 15,50    | 16,00    | 40 | 100 | 3 | DZZ.155.00                  |
| 17,50    | 18,00    | 50 | 100 | 3 | DZZ.175.00                  |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD

Artikel-Nr. FEA...



| D1   | D2   | L2 | L1 | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|------|------|----|----|---|-----------------------------|-----|-----|
| m7   | h6   |    |    |   |                             |     |     |
| 1,00 | 4,00 | 7  | 45 | 2 | FEA.010...                  | .00 | -   |
| 1,30 | 4,00 | 7  | 45 | 2 | FEA.013...                  | .00 | -   |
| 1,50 | 4,00 | 14 | 55 | 2 | FEA.015...                  | .00 | -   |
| 1,60 | 4,00 | 14 | 55 | 2 | FEA.016...                  | .00 | -   |
| 1,70 | 4,00 | 14 | 55 | 2 | FEA.017...                  | .00 | -   |
| 1,80 | 4,00 | 14 | 55 | 2 | FEA.018...                  | .00 | -   |
| 1,90 | 4,00 | 14 | 55 | 2 | FEA.019...                  | .00 | -   |
| 2,00 | 4,00 | 20 | 55 | 2 | FEA.020...                  | .00 | -   |
| 2,10 | 4,00 | 20 | 55 | 2 | FEA.021...                  | .00 | -   |
| 2,20 | 4,00 | 20 | 55 | 2 | FEA.022...                  | .00 | -   |
| 2,30 | 4,00 | 20 | 55 | 2 | FEA.023...                  | .00 | -   |
| 2,40 | 4,00 | 20 | 55 | 2 | FEA.024...                  | .00 | -   |
| 2,50 | 4,00 | 20 | 55 | 2 | FEA.025...                  | .00 | -   |
| 2,60 | 4,00 | 20 | 55 | 2 | FEA.026...                  | .00 | -   |
| 2,70 | 4,00 | 20 | 55 | 2 | FEA.027...                  | .00 | -   |
| 2,80 | 4,00 | 20 | 55 | 2 | FEA.028...                  | .00 | -   |
| 2,90 | 4,00 | 20 | 55 | 2 | FEA.029...                  | .00 | -   |
| 3,00 | 6,00 | 20 | 62 | 2 | FEA.030...                  | .00 | .10 |
| 3,10 | 6,00 | 20 | 62 | 2 | FEA.031...                  | .00 | .10 |
| 3,20 | 6,00 | 20 | 62 | 2 | FEA.032...                  | .00 | .10 |
| 3,30 | 6,00 | 20 | 62 | 2 | FEA.033...                  | .00 | .10 |
| 3,40 | 6,00 | 20 | 62 | 2 | FEA.034...                  | .00 | .10 |
| 3,50 | 6,00 | 20 | 62 | 2 | FEA.035...                  | .00 | .10 |
| 3,60 | 6,00 | 20 | 62 | 2 | FEA.036...                  | .00 | .10 |
| 3,70 | 6,00 | 20 | 62 | 2 | FEA.037...                  | .00 | .10 |
| 3,80 | 6,00 | 24 | 66 | 2 | FEA.038...                  | .00 | .10 |
| 3,90 | 6,00 | 24 | 66 | 2 | FEA.039...                  | .00 | .10 |
| 4,00 | 6,00 | 24 | 66 | 2 | FEA.040...                  | .00 | .10 |
| 4,10 | 6,00 | 24 | 66 | 2 | FEA.041...                  | .00 | .10 |
| 4,20 | 6,00 | 24 | 66 | 2 | FEA.042...                  | .00 | .10 |
| 4,30 | 6,00 | 24 | 66 | 2 | FEA.043...                  | .00 | .10 |
| 4,40 | 6,00 | 24 | 66 | 2 | FEA.044...                  | .00 | .10 |
| 4,50 | 6,00 | 24 | 66 | 2 | FEA.045...                  | .00 | .10 |
| 4,60 | 6,00 | 24 | 66 | 2 | FEA.046...                  | .00 | .10 |
| 4,80 | 6,00 | 28 | 66 | 2 | FEA.048...                  | .00 | .10 |
| 4,90 | 6,00 | 28 | 66 | 2 | FEA.049...                  | .00 | .10 |
| 5,00 | 6,00 | 28 | 66 | 2 | FEA.050...                  | .00 | .10 |
| 5,10 | 6,00 | 28 | 66 | 2 | FEA.051...                  | .00 | .10 |
| 5,20 | 6,00 | 28 | 66 | 2 | FEA.052...                  | .00 | .10 |
| 5,30 | 6,00 | 28 | 66 | 2 | FEA.053...                  | .00 | .10 |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD

Artikel-Nr. FEA...

| D1<br>m7 | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|---|-----------------------------|-----|-----|
| 5,40     | 6,00     | 28 | 66  | 2 | FEA.054...                  | .00 | .10 |
| 5,50     | 6,00     | 28 | 66  | 2 | FEA.055...                  | .00 | .10 |
| 5,55     | 6,00     | 28 | 66  | 2 | FEA.555...                  | .00 | .10 |
| 5,60     | 6,00     | 28 | 66  | 2 | FEA.056...                  | .00 | .10 |
| 5,80     | 6,00     | 28 | 66  | 2 | FEA.058...                  | .00 | .10 |
| 5,90     | 6,00     | 28 | 66  | 2 | FEA.059...                  | .00 | .10 |
| 6,00     | 6,00     | 28 | 66  | 2 | FEA.060...                  | .00 | .10 |
| 6,10     | 8,00     | 34 | 79  | 2 | FEA.061...                  | .00 | .10 |
| 6,20     | 8,00     | 34 | 79  | 2 | FEA.062...                  | .00 | .10 |
| 6,30     | 8,00     | 34 | 79  | 2 | FEA.063...                  | .00 | .10 |
| 6,40     | 8,00     | 34 | 79  | 2 | FEA.064...                  | .00 | .10 |
| 6,50     | 8,00     | 34 | 79  | 2 | FEA.065...                  | .00 | .10 |
| 6,60     | 8,00     | 34 | 79  | 2 | FEA.066...                  | .00 | .10 |
| 6,70     | 8,00     | 34 | 79  | 2 | FEA.067...                  | .00 | .10 |
| 6,80     | 8,00     | 34 | 79  | 2 | FEA.068...                  | .00 | .10 |
| 6,90     | 8,00     | 34 | 79  | 2 | FEA.069...                  | .00 | .10 |
| 7,00     | 8,00     | 34 | 79  | 2 | FEA.070...                  | .00 | .10 |
| 7,10     | 8,00     | 41 | 79  | 2 | FEA.071...                  | .00 | .10 |
| 7,20     | 8,00     | 41 | 79  | 2 | FEA.072...                  | .00 | .10 |
| 7,30     | 8,00     | 41 | 79  | 2 | FEA.073...                  | .00 | .10 |
| 7,40     | 8,00     | 41 | 79  | 2 | FEA.074...                  | .00 | .10 |
| 7,50     | 8,00     | 41 | 79  | 2 | FEA.075...                  | .00 | .10 |
| 7,80     | 8,00     | 41 | 79  | 2 | FEA.078...                  | .00 | .10 |
| 8,00     | 8,00     | 41 | 79  | 2 | FEA.080...                  | .00 | .10 |
| 8,10     | 10,00    | 47 | 89  | 2 | FEA.081...                  | .00 | .10 |
| 8,20     | 10,00    | 47 | 89  | 2 | FEA.082...                  | .00 | .10 |
| 8,40     | 10,00    | 47 | 89  | 2 | FEA.084...                  | .00 | .10 |
| 8,50     | 10,00    | 47 | 89  | 2 | FEA.085...                  | .00 | .10 |
| 8,60     | 10,00    | 47 | 89  | 2 | FEA.086...                  | .00 | .10 |
| 8,80     | 10,00    | 47 | 89  | 2 | FEA.088...                  | .00 | .10 |
| 9,00     | 10,00    | 47 | 89  | 2 | FEA.090...                  | .00 | .10 |
| 9,10     | 10,00    | 47 | 89  | 2 | FEA.091...                  | .00 | .10 |
| 9,30     | 10,00    | 47 | 89  | 2 | FEA.093...                  | .00 | .10 |
| 9,50     | 10,00    | 47 | 89  | 2 | FEA.095...                  | .00 | .10 |
| 9,70     | 10,00    | 47 | 89  | 2 | FEA.097...                  | .00 | .10 |
| 9,80     | 10,00    | 47 | 89  | 2 | FEA.098...                  | .00 | .10 |
| 9,90     | 10,00    | 47 | 89  | 2 | FEA.099...                  | .00 | .10 |
| 10,00    | 10,00    | 47 | 89  | 2 | FEA.100...                  | .00 | .10 |
| 10,20    | 12,00    | 55 | 102 | 2 | FEA.102...                  | .00 | .10 |
| 10,30    | 12,00    | 55 | 102 | 2 | FEA.103...                  | .00 | .10 |
| 10,50    | 12,00    | 55 | 102 | 2 | FEA.105...                  | .00 | .10 |
| 10,80    | 12,00    | 55 | 102 | 2 | FEA.108...                  | .00 | .10 |
| 11,00    | 12,00    | 55 | 102 | 2 | FEA.110...                  | .00 | .10 |
| 11,20    | 12,00    | 55 | 102 | 2 | FEA.112...                  | .00 | .10 |
| 11,50    | 12,00    | 55 | 102 | 2 | FEA.115...                  | .00 | .10 |
| 11,80    | 12,00    | 55 | 102 | 2 | FEA.118...                  | .00 | .10 |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD

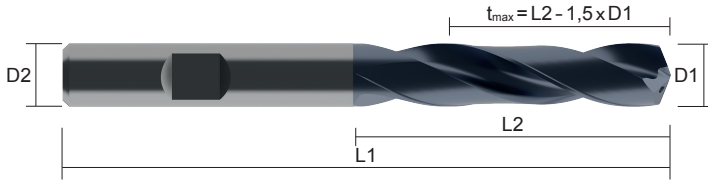
Artikel-Nr. FEA...

| D1<br>m7 | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|---|-----------------------------|-----|-----|
| 12,00    | 12,00    | 55 | 102 | 2 | FEA.120...                  | .00 | .10 |
| 12,20    | 14,00    | 60 | 107 | 2 | FEA.122...                  | .00 | .10 |
| 12,50    | 14,00    | 60 | 107 | 2 | FEA.125...                  | .00 | .10 |
| 12,80    | 14,00    | 60 | 107 | 2 | FEA.128...                  | .00 | .10 |
| 13,00    | 14,00    | 60 | 107 | 2 | FEA.130...                  | .00 | .10 |
| 13,50    | 14,00    | 60 | 107 | 2 | FEA.135...                  | .00 | .10 |
| 13,80    | 14,00    | 60 | 107 | 2 | FEA.138...                  | .00 | .10 |
| 14,00    | 14,00    | 60 | 107 | 2 | FEA.140...                  | .00 | .10 |
| 14,20    | 16,00    | 65 | 115 | 2 | FEA.142...                  | .00 | .10 |
| 14,50    | 16,00    | 65 | 115 | 2 | FEA.145...                  | .00 | .10 |
| 14,80    | 16,00    | 65 | 115 | 2 | FEA.148...                  | .00 | .10 |
| 15,00    | 16,00    | 65 | 115 | 2 | FEA.150...                  | .00 | .10 |
| 15,20    | 16,00    | 65 | 115 | 2 | FEA.152...                  | .00 | .10 |
| 15,50    | 16,00    | 65 | 115 | 2 | FEA.155...                  | .00 | .10 |
| 15,80    | 16,00    | 65 | 115 | 2 | FEA.158...                  | .00 | .10 |
| 16,00    | 16,00    | 65 | 115 | 2 | FEA.160...                  | .00 | .10 |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD

Artikel-Nr. FEB...



| D1<br>m7 | D2<br>h6 | L2 | L1 | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|----|---|-----------------------------|-----|-----|
| 3,00     | 6,00     | 20 | 62 | 2 | FEB.030...                  | .00 | .10 |
| 3,20     | 6,00     | 20 | 62 | 2 | FEB.032...                  | .00 | .10 |
| 3,30     | 6,00     | 20 | 62 | 2 | FEB.033...                  | .00 | .10 |
| 3,40     | 6,00     | 20 | 62 | 2 | FEB.034...                  | .00 | .10 |
| 3,50     | 6,00     | 20 | 62 | 2 | FEB.035...                  | .00 | .10 |
| 3,80     | 6,00     | 24 | 66 | 2 | FEB.038...                  | .00 | .10 |
| 4,00     | 6,00     | 24 | 66 | 2 | FEB.040...                  | .00 | .10 |
| 4,10     | 6,00     | 24 | 66 | 2 | FEB.041...                  | .00 | .10 |
| 4,20     | 6,00     | 24 | 66 | 2 | FEB.042...                  | .00 | .10 |
| 4,30     | 6,00     | 24 | 66 | 2 | FEB.043...                  | .00 | .10 |
| 4,40     | 6,00     | 24 | 66 | 2 | FEB.044...                  | .00 | .10 |
| 4,50     | 6,00     | 24 | 66 | 2 | FEB.045...                  | .00 | .10 |
| 4,65     | 6,00     | 24 | 66 | 2 | FEB.465...                  | .00 | .10 |
| 4,70     | 6,00     | 24 | 66 | 2 | FEB.047...                  | .00 | .10 |
| 4,80     | 6,00     | 28 | 66 | 2 | FEB.048...                  | .00 | .10 |
| 5,00     | 6,00     | 28 | 66 | 2 | FEB.050...                  | .00 | .10 |
| 5,10     | 6,00     | 28 | 66 | 2 | FEB.051...                  | .00 | .10 |
| 5,20     | 6,00     | 28 | 66 | 2 | FEB.052...                  | .00 | .10 |
| 5,50     | 6,00     | 28 | 66 | 2 | FEB.055...                  | .00 | .10 |
| 5,60     | 6,00     | 28 | 66 | 2 | FEB.056...                  | .00 | .10 |
| 5,80     | 6,00     | 28 | 66 | 2 | FEB.058...                  | .00 | .10 |
| 6,00     | 6,00     | 28 | 66 | 2 | FEB.060...                  | .00 | .10 |
| 6,10     | 8,00     | 34 | 79 | 2 | FEB.061...                  | .00 | .10 |
| 6,20     | 8,00     | 34 | 79 | 2 | FEB.062...                  | .00 | .10 |
| 6,30     | 8,00     | 34 | 79 | 2 | FEB.063...                  | .00 | .10 |
| 6,50     | 8,00     | 34 | 79 | 2 | FEB.065...                  | .00 | .10 |
| 6,80     | 8,00     | 34 | 79 | 2 | FEB.068...                  | .00 | .10 |
| 7,00     | 8,00     | 34 | 79 | 2 | FEB.070...                  | .00 | .10 |
| 7,30     | 8,00     | 41 | 79 | 2 | FEB.073...                  | .00 | .10 |
| 7,40     | 8,00     | 41 | 79 | 2 | FEB.074...                  | .00 | .10 |
| 7,50     | 8,00     | 41 | 79 | 2 | FEB.075...                  | .00 | .10 |
| 7,70     | 8,00     | 41 | 79 | 2 | FEB.077...                  | .00 | .10 |
| 7,80     | 8,00     | 41 | 79 | 2 | FEB.078...                  | .00 | .10 |
| 8,00     | 8,00     | 41 | 79 | 2 | FEB.080...                  | .00 | .10 |
| 8,20     | 10,00    | 47 | 89 | 2 | FEB.082...                  | .00 | .10 |
| 8,50     | 10,00    | 47 | 89 | 2 | FEB.085...                  | .00 | .10 |
| 8,60     | 10,00    | 47 | 89 | 2 | FEB.086...                  | .00 | .10 |
| 8,70     | 10,00    | 47 | 89 | 2 | FEB.087...                  | .00 | .10 |
| 8,80     | 10,00    | 47 | 89 | 2 | FEB.088...                  | .00 | .10 |
| 9,00     | 10,00    | 47 | 89 | 2 | FEB.090...                  | .00 | .10 |

# VHM-Spiralbohrer 3xD

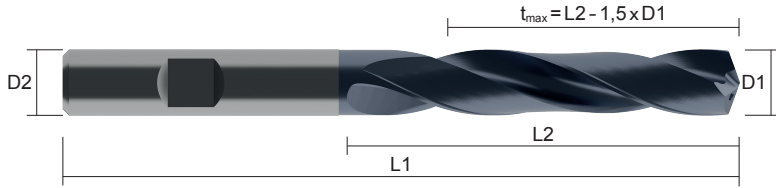
Solid carbide drill 3xD

| Artikel-Nr. FEB... |          |    |     |   |                             |     |     |
|--------------------|----------|----|-----|---|-----------------------------|-----|-----|
|                    |          |    |     |   |                             |     |     |
| D1<br>m7           | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
| 9,50               | 10,00    | 47 | 89  | 2 | FEB.095...                  | .00 | .10 |
| 9,80               | 10,00    | 47 | 89  | 2 | FEB.098...                  | .00 | .10 |
| 10,00              | 10,00    | 47 | 89  | 2 | FEB.100...                  | .00 | .10 |
| 10,20              | 12,00    | 55 | 102 | 2 | FEB.102...                  | .00 | .10 |
| 10,30              | 12,00    | 55 | 102 | 2 | FEB.103...                  | .00 | .10 |
| 10,50              | 12,00    | 55 | 102 | 2 | FEB.105...                  | .00 | .10 |
| 10,80              | 12,00    | 55 | 102 | 2 | FEB.108...                  | .00 | .10 |
| 11,00              | 12,00    | 55 | 102 | 2 | FEB.110...                  | .00 | .10 |
| 11,30              | 12,00    | 55 | 102 | 2 | FEB.113...                  | .00 | .10 |
| 11,50              | 12,00    | 55 | 102 | 2 | FEB.115...                  | .00 | .10 |
| 11,80              | 12,00    | 55 | 102 | 2 | FEB.118...                  | .00 | .10 |
| 12,00              | 12,00    | 55 | 102 | 2 | FEB.120...                  | .00 | .10 |
| 12,20              | 14,00    | 60 | 107 | 2 | FEB.122...                  | .00 | .10 |
| 12,50              | 14,00    | 60 | 107 | 2 | FEB.125...                  | .00 | .10 |
| 12,80              | 14,00    | 60 | 107 | 2 | FEB.128...                  | .00 | .10 |
| 13,00              | 14,00    | 60 | 107 | 2 | FEB.130...                  | .00 | .10 |
| 13,50              | 14,00    | 60 | 107 | 2 | FEB.135...                  | .00 | .10 |
| 13,80              | 14,00    | 60 | 107 | 2 | FEB.138...                  | .00 | .10 |
| 14,00              | 14,00    | 60 | 107 | 2 | FEB.140...                  | .00 | .10 |
| 14,20              | 16,00    | 65 | 115 | 2 | FEB.142...                  | .00 | .10 |
| 14,50              | 16,00    | 65 | 115 | 2 | FEB.145...                  | .00 | .10 |
| 14,80              | 16,00    | 65 | 115 | 2 | FEB.148...                  | .00 | .10 |
| 15,00              | 16,00    | 65 | 115 | 2 | FEB.150...                  | .00 | .10 |
| 15,20              | 16,00    | 65 | 115 | 2 | FEB.152...                  | .00 | .10 |
| 15,50              | 16,00    | 65 | 115 | 2 | FEB.155...                  | .00 | .10 |
| 15,80              | 16,00    | 65 | 115 | 2 | FEB.158...                  | .00 | .10 |
| 16,00              | 16,00    | 65 | 115 | 2 | FEB.160...                  | .00 | .10 |

# VHM-Spiralbohrer 5xD

Solid carbide drill 5xD

Artikel-Nr. FEC...



| D1<br>m7 | D2<br>h6 | L2 | L1 | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|----|---|-----------------------------|-----|-----|
| 1,00     | 3,00     | 10 | 55 | 2 | FEC.010...                  | .00 | -   |
| 1,10     | 3,00     | 12 | 55 | 2 | FEC.011...                  | .00 | -   |
| 1,20     | 3,00     | 12 | 55 | 2 | FEC.012...                  | .00 | -   |
| 1,30     | 3,00     | 12 | 55 | 2 | FEC.013...                  | .00 | -   |
| 1,40     | 3,00     | 12 | 55 | 2 | FEC.014...                  | .00 | -   |
| 1,50     | 3,00     | 12 | 55 | 2 | FEC.015...                  | .00 | -   |
| 1,60     | 3,00     | 16 | 55 | 2 | FEC.016...                  | .00 | -   |
| 1,70     | 3,00     | 16 | 55 | 2 | FEC.017...                  | .00 | -   |
| 1,80     | 3,00     | 16 | 55 | 2 | FEC.018...                  | .00 | -   |
| 1,90     | 3,00     | 16 | 55 | 2 | FEC.019...                  | .00 | -   |
| 2,00     | 3,00     | 21 | 57 | 2 | FEC.020...                  | .00 | -   |
| 2,10     | 3,00     | 21 | 57 | 2 | FEC.021...                  | .00 | -   |
| 2,20     | 3,00     | 21 | 57 | 2 | FEC.022...                  | .00 | -   |
| 2,30     | 3,00     | 21 | 57 | 2 | FEC.023...                  | .00 | -   |
| 2,40     | 3,00     | 21 | 57 | 2 | FEC.024...                  | .00 | -   |
| 2,50     | 3,00     | 21 | 57 | 2 | FEC.025...                  | .00 | -   |
| 2,60     | 3,00     | 21 | 57 | 2 | FEC.026...                  | .00 | -   |
| 2,70     | 3,00     | 21 | 57 | 2 | FEC.027...                  | .00 | -   |
| 2,80     | 3,00     | 21 | 57 | 2 | FEC.028...                  | .00 | -   |
| 2,90     | 3,00     | 21 | 57 | 2 | FEC.029...                  | .00 | -   |
| 3,00     | 6,00     | 28 | 66 | 2 | FEC.030...                  | .00 | .10 |
| 3,10     | 6,00     | 28 | 66 | 2 | FEC.031...                  | .00 | .10 |
| 3,20     | 6,00     | 28 | 66 | 2 | FEC.032...                  | .00 | .10 |
| 3,25     | 6,00     | 28 | 66 | 2 | FEC.325...                  | .00 | .10 |
| 3,30     | 6,00     | 28 | 66 | 2 | FEC.033...                  | .00 | .10 |
| 3,40     | 6,00     | 28 | 66 | 2 | FEC.034...                  | .00 | .10 |
| 3,50     | 6,00     | 28 | 66 | 2 | FEC.035...                  | .00 | .10 |
| 3,60     | 6,00     | 28 | 66 | 2 | FEC.036...                  | .00 | .10 |
| 3,65     | 6,00     | 28 | 66 | 2 | FEC.365...                  | .00 | .10 |
| 3,70     | 6,00     | 28 | 66 | 2 | FEC.037...                  | .00 | .10 |
| 3,80     | 6,00     | 36 | 74 | 2 | FEC.038...                  | .00 | .10 |
| 3,90     | 6,00     | 36 | 74 | 2 | FEC.039...                  | .00 | .10 |
| 4,00     | 6,00     | 36 | 74 | 2 | FEC.040...                  | .00 | .10 |
| 4,10     | 6,00     | 36 | 74 | 2 | FEC.041...                  | .00 | .10 |
| 4,20     | 6,00     | 36 | 74 | 2 | FEC.042...                  | .00 | .10 |
| 4,30     | 6,00     | 36 | 74 | 2 | FEC.043...                  | .00 | .10 |
| 4,50     | 6,00     | 36 | 74 | 2 | FEC.045...                  | .00 | .10 |
| 4,60     | 6,00     | 36 | 74 | 2 | FEC.046...                  | .00 | .10 |
| 4,65     | 6,00     | 36 | 74 | 2 | FEC.465...                  | .00 | .10 |
| 4,70     | 6,00     | 36 | 74 | 2 | FEC.047...                  | .00 | .10 |

# VHM-Spiralbohrer 5xD

Solid carbide drill 5xD

Artikel-Nr. FEC...

| D1<br>m7 | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|---|-----------------------------|-----|-----|
| 4,80     | 6,00     | 44 | 82  | 2 | FEC.048...                  | .00 | .10 |
| 4,90     | 6,00     | 44 | 82  | 2 | FEC.049...                  | .00 | .10 |
| 5,00     | 6,00     | 44 | 82  | 2 | FEC.050...                  | .00 | .10 |
| 5,10     | 6,00     | 44 | 82  | 2 | FEC.051...                  | .00 | .10 |
| 5,20     | 6,00     | 44 | 82  | 2 | FEC.052...                  | .00 | .10 |
| 5,40     | 6,00     | 44 | 82  | 2 | FEC.054...                  | .00 | .10 |
| 5,50     | 6,00     | 44 | 82  | 2 | FEC.055...                  | .00 | .10 |
| 5,55     | 6,00     | 44 | 82  | 2 | FEC.555...                  | .00 | .10 |
| 5,60     | 6,00     | 44 | 82  | 2 | FEC.056...                  | .00 | .10 |
| 5,70     | 6,00     | 44 | 82  | 2 | FEC.057...                  | .00 | .10 |
| 5,80     | 6,00     | 44 | 82  | 2 | FEC.058...                  | .00 | .10 |
| 5,90     | 6,00     | 44 | 82  | 2 | FEC.059...                  | .00 | .10 |
| 6,00     | 6,00     | 44 | 82  | 2 | FEC.060...                  | .00 | .10 |
| 6,10     | 8,00     | 53 | 91  | 2 | FEC.061...                  | .00 | .10 |
| 6,20     | 8,00     | 53 | 91  | 2 | FEC.062...                  | .00 | .10 |
| 6,30     | 8,00     | 53 | 91  | 2 | FEC.063...                  | .00 | .10 |
| 6,40     | 8,00     | 53 | 91  | 2 | FEC.064...                  | .00 | .10 |
| 6,50     | 8,00     | 53 | 91  | 2 | FEC.065...                  | .00 | .10 |
| 6,60     | 8,00     | 53 | 91  | 2 | FEC.066...                  | .00 | .10 |
| 6,70     | 8,00     | 53 | 91  | 2 | FEC.067...                  | .00 | .10 |
| 6,80     | 8,00     | 53 | 91  | 2 | FEC.068...                  | .00 | .10 |
| 6,90     | 8,00     | 53 | 91  | 2 | FEC.069...                  | .00 | .10 |
| 7,00     | 8,00     | 53 | 91  | 2 | FEC.070...                  | .00 | .10 |
| 7,30     | 8,00     | 53 | 91  | 2 | FEC.073...                  | .00 | .10 |
| 7,40     | 8,00     | 53 | 91  | 2 | FEC.074...                  | .00 | .10 |
| 7,50     | 8,00     | 53 | 91  | 2 | FEC.075...                  | .00 | .10 |
| 7,70     | 8,00     | 53 | 91  | 2 | FEC.077...                  | .00 | .10 |
| 7,80     | 8,00     | 53 | 91  | 2 | FEC.078...                  | .00 | .10 |
| 8,00     | 8,00     | 53 | 91  | 2 | FEC.080...                  | .00 | .10 |
| 8,20     | 10,00    | 61 | 103 | 2 | FEC.082...                  | .00 | .10 |
| 8,40     | 10,00    | 61 | 103 | 2 | FEC.084...                  | .00 | .10 |
| 8,50     | 10,00    | 61 | 103 | 2 | FEC.085...                  | .00 | .10 |
| 8,60     | 10,00    | 61 | 103 | 2 | FEC.086...                  | .00 | .10 |
| 8,70     | 10,00    | 61 | 103 | 2 | FEC.087...                  | .00 | .10 |
| 8,80     | 10,00    | 61 | 103 | 2 | FEC.088...                  | .00 | .10 |
| 9,00     | 10,00    | 61 | 103 | 2 | FEC.090...                  | .00 | .10 |
| 9,20     | 10,00    | 61 | 103 | 2 | FEC.092...                  | .00 | .10 |
| 9,30     | 10,00    | 61 | 103 | 2 | FEC.093...                  | .00 | .10 |
| 9,50     | 10,00    | 61 | 103 | 2 | FEC.095...                  | .00 | .10 |
| 9,70     | 10,00    | 61 | 103 | 2 | FEC.097...                  | .00 | .10 |
| 9,80     | 10,00    | 61 | 103 | 2 | FEC.098...                  | .00 | .10 |
| 10,00    | 10,00    | 61 | 103 | 2 | FEC.100...                  | .00 | .10 |
| 10,10    | 12,00    | 71 | 118 | 2 | FEC.101...                  | .00 | .10 |
| 10,20    | 12,00    | 71 | 118 | 2 | FEC.102...                  | .00 | .10 |
| 10,30    | 12,00    | 71 | 118 | 2 | FEC.103...                  | .00 | .10 |
| 10,50    | 12,00    | 71 | 118 | 2 | FEC.105...                  | .00 | .10 |

# VHM-Spiralbohrer 5xD

Solid carbide drill 5xD

Artikel-Nr. FEC...

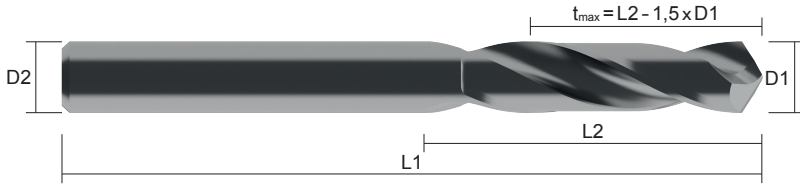
| D1<br>m7 | D2<br>h6 | L2 | L1  | Z | Artikel-Nr./<br>Article-No. | HA  | HB  |
|----------|----------|----|-----|---|-----------------------------|-----|-----|
| 10,80    | 12,00    | 71 | 118 | 2 | FEC.108...                  | .00 | .10 |
| 11,00    | 12,00    | 71 | 118 | 2 | FEC.110...                  | .00 | .10 |
| 11,20    | 12,00    | 71 | 118 | 2 | FEC.112...                  | .00 | .10 |
| 11,30    | 12,00    | 71 | 118 | 2 | FEC.113...                  | .00 | .10 |
| 11,50    | 12,00    | 71 | 118 | 2 | FEC.115...                  | .00 | .10 |
| 11,80    | 12,00    | 71 | 118 | 2 | FEC.118...                  | .00 | .10 |
| 12,00    | 12,00    | 71 | 118 | 2 | FEC.120...                  | .00 | .10 |
| 12,20    | 14,00    | 77 | 124 | 2 | FEC.122...                  | .00 | .10 |
| 12,50    | 14,00    | 77 | 124 | 2 | FEC.125...                  | .00 | .10 |
| 12,80    | 14,00    | 77 | 124 | 2 | FEC.128...                  | .00 | .10 |
| 13,00    | 14,00    | 77 | 124 | 2 | FEC.130...                  | .00 | .10 |
| 13,50    | 14,00    | 77 | 124 | 2 | FEC.135...                  | .00 | .10 |
| 13,80    | 14,00    | 77 | 124 | 2 | FEC.138...                  | .00 | .10 |
| 14,00    | 14,00    | 77 | 124 | 2 | FEC.140...                  | .00 | .10 |
| 14,20    | 16,00    | 83 | 133 | 2 | FEC.142...                  | .00 | .10 |
| 14,50    | 16,00    | 83 | 133 | 2 | FEC.145...                  | .00 | .10 |
| 14,80    | 16,00    | 83 | 133 | 2 | FEC.148...                  | .00 | .10 |
| 15,00    | 16,00    | 83 | 133 | 2 | FEC.150...                  | .00 | .10 |
| 15,20    | 16,00    | 83 | 133 | 2 | FEC.152...                  | .00 | .10 |
| 15,50    | 16,00    | 83 | 133 | 2 | FEC.155...                  | .00 | .10 |
| 15,80    | 16,00    | 83 | 133 | 2 | FEC.158...                  | .00 | .10 |
| 16,00    | 16,00    | 83 | 133 | 2 | FEC.160...                  | .00 | .10 |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD

Artikel-Nr. ZA...

|           |         |  |  |  |  |       |    |
|-----------|---------|--|--|--|--|-------|----|
| TYPE<br>W |         |  |  |  |  | BLANK | GP |
| ALU<br>NE | plastic |  |  |  |  |       |    |



| D1<br>h7 | D2<br>h6 | L2    | L1 | Artikel-Nr./<br>Article-No. |
|----------|----------|-------|----|-----------------------------|
| 0,50     | 0,50     | 3,00  | 20 | ZA.005.000                  |
| 0,60     | 0,60     | 5,50  | 21 | ZA.006.000                  |
| 0,70     | 0,70     | 6,00  | 23 | ZA.007.000                  |
| 0,80     | 0,80     | 5,00  | 24 | ZA.008.000                  |
| 0,90     | 0,90     | 5,50  | 25 | ZA.009.000                  |
| 1,00     | 1,00     | 6,00  | 26 | ZA.010.000                  |
| 1,10     | 1,10     | 7,00  | 28 | ZA.011.000                  |
| 1,20     | 1,20     | 8,00  | 30 | ZA.012.000                  |
| 1,30     | 1,30     | 8,00  | 30 | ZA.013.000                  |
| 1,40     | 1,40     | 9,00  | 32 | ZA.014.000                  |
| 1,50     | 1,50     | 9,00  | 32 | ZA.015.000                  |
| 1,60     | 1,60     | 10,00 | 34 | ZA.016.000                  |
| 1,70     | 1,70     | 10,00 | 34 | ZA.017.000                  |
| 1,80     | 1,80     | 11,00 | 36 | ZA.018.000                  |
| 1,90     | 1,90     | 11,00 | 36 | ZA.019.000                  |
| 2,00     | 2,00     | 12,00 | 38 | ZA.020.000                  |
| 2,10     | 2,10     | 12,00 | 38 | ZA.021.000                  |
| 2,20     | 2,20     | 13,00 | 40 | ZA.022.000                  |
| 2,30     | 2,30     | 13,00 | 40 | ZA.023.000                  |
| 2,40     | 2,40     | 14,00 | 43 | ZA.024.000                  |
| 2,50     | 2,50     | 14,00 | 43 | ZA.025.000                  |
| 2,60     | 2,60     | 14,00 | 43 | ZA.026.000                  |
| 2,70     | 2,70     | 16,00 | 46 | ZA.027.000                  |
| 2,80     | 2,80     | 16,00 | 46 | ZA.028.000                  |
| 2,90     | 2,90     | 16,00 | 46 | ZA.029.000                  |
| 3,00     | 3,00     | 16,00 | 46 | ZA.030.000                  |
| 3,10     | 3,10     | 18,00 | 49 | ZA.031.000                  |
| 3,20     | 3,20     | 18,00 | 49 | ZA.032.000                  |
| 3,30     | 3,30     | 18,00 | 49 | ZA.033.000                  |
| 3,40     | 3,40     | 20,00 | 52 | ZA.034.000                  |
| 3,50     | 3,50     | 20,00 | 52 | ZA.035.000                  |
| 3,60     | 3,60     | 20,00 | 52 | ZA.036.000                  |
| 3,70     | 3,70     | 20,00 | 52 | ZA.037.000                  |
| 3,80     | 3,80     | 22,00 | 55 | ZA.038.000                  |
| 3,90     | 3,90     | 22,00 | 55 | ZA.039.000                  |
| 4,00     | 4,00     | 22,00 | 55 | ZA.040.000                  |
| 4,10     | 4,10     | 22,00 | 55 | ZA.041.000                  |
| 4,20     | 4,20     | 22,00 | 55 | ZA.042.000                  |
| 4,30     | 4,30     | 24,00 | 58 | ZA.043.000                  |
| 4,40     | 4,40     | 24,00 | 58 | ZA.044.000                  |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD

Artikel-Nr. ZA...

| D1<br>h7 | D2<br>h6 | L2    | L1 | Artikel-Nr./<br>Article-No. |
|----------|----------|-------|----|-----------------------------|
| 4,50     | 4,50     | 24,00 | 58 | ZA.045.000                  |
| 4,60     | 4,60     | 24,00 | 58 | ZA.046.000                  |
| 4,70     | 4,70     | 24,00 | 58 | ZA.047.000                  |
| 4,80     | 4,80     | 26,00 | 62 | ZA.048.000                  |
| 4,90     | 4,90     | 26,00 | 62 | ZA.049.000                  |
| 5,00     | 5,00     | 26,00 | 62 | ZA.050.000                  |
| 5,10     | 5,10     | 26,00 | 62 | ZA.051.000                  |
| 5,20     | 5,20     | 26,00 | 62 | ZA.052.000                  |
| 5,30     | 5,30     | 26,00 | 62 | ZA.053.000                  |
| 5,40     | 5,40     | 28,00 | 66 | ZA.054.000                  |
| 5,50     | 5,50     | 28,00 | 66 | ZA.055.000                  |
| 5,60     | 5,60     | 28,00 | 66 | ZA.056.000                  |
| 5,70     | 5,70     | 28,00 | 66 | ZA.057.000                  |
| 5,80     | 5,80     | 28,00 | 66 | ZA.058.000                  |
| 5,90     | 5,90     | 28,00 | 66 | ZA.059.000                  |
| 6,00     | 6,00     | 28,00 | 66 | ZA.060.000                  |
| 6,10     | 6,10     | 31,00 | 70 | ZA.061.000                  |
| 6,20     | 6,20     | 31,00 | 70 | ZA.062.000                  |
| 6,30     | 6,30     | 31,00 | 70 | ZA.063.000                  |
| 6,40     | 6,40     | 31,00 | 70 | ZA.064.000                  |
| 6,50     | 6,50     | 31,00 | 70 | ZA.065.000                  |
| 6,60     | 6,60     | 31,00 | 70 | ZA.066.000                  |
| 6,70     | 6,70     | 31,00 | 70 | ZA.067.000                  |
| 6,80     | 6,80     | 34,00 | 74 | ZA.068.000                  |
| 6,90     | 6,90     | 34,00 | 74 | ZA.069.000                  |
| 7,00     | 7,00     | 34,00 | 74 | ZA.070.000                  |
| 7,10     | 7,10     | 34,00 | 74 | ZA.071.000                  |
| 7,20     | 7,20     | 34,00 | 74 | ZA.072.000                  |
| 7,30     | 7,30     | 34,00 | 74 | ZA.073.000                  |
| 7,40     | 7,40     | 34,00 | 74 | ZA.074.000                  |
| 7,50     | 7,50     | 34,00 | 74 | ZA.075.000                  |
| 7,60     | 7,60     | 37,00 | 79 | ZA.076.000                  |
| 7,70     | 7,70     | 37,00 | 79 | ZA.077.000                  |
| 7,80     | 7,80     | 37,00 | 79 | ZA.078.000                  |
| 7,90     | 7,90     | 37,00 | 79 | ZA.079.000                  |
| 8,00     | 8,00     | 37,00 | 79 | ZA.080.000                  |
| 8,10     | 8,10     | 37,00 | 79 | ZA.081.000                  |
| 8,20     | 8,20     | 37,00 | 79 | ZA.082.000                  |
| 8,30     | 8,30     | 37,00 | 79 | ZA.083.000                  |
| 8,40     | 8,40     | 37,00 | 79 | ZA.084.000                  |
| 8,50     | 8,50     | 37,00 | 79 | ZA.085.000                  |
| 8,60     | 8,60     | 40,00 | 84 | ZA.086.000                  |
| 8,70     | 8,70     | 40,00 | 84 | ZA.087.000                  |
| 8,80     | 8,80     | 40,00 | 84 | ZA.088.000                  |
| 8,90     | 8,90     | 40,00 | 84 | ZA.089.000                  |
| 9,00     | 9,00     | 40,00 | 84 | ZA.090.000                  |

# VHM-Spiralbohrer 3xD

Solid carbide drill 3xD

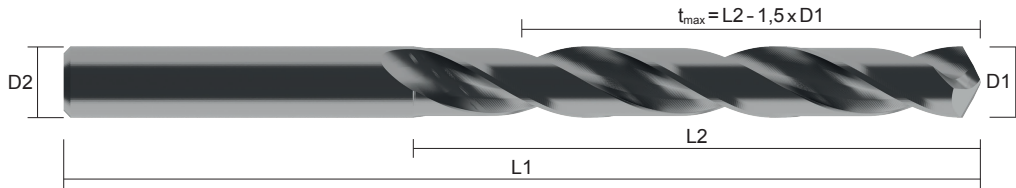
| Artikel-Nr. ZA... |          |       |     |                             |
|-------------------|----------|-------|-----|-----------------------------|
|                   |          |       |     |                             |
| D1<br>h7          | D2<br>h6 | L2    | L1  | Artikel-Nr./<br>Article-No. |
| 9,10              | 9,10     | 40,00 | 84  | ZA.091.000                  |
| 9,20              | 9,20     | 40,00 | 84  | ZA.092.000                  |
| 9,30              | 9,30     | 40,00 | 84  | ZA.093.000                  |
| 9,40              | 9,40     | 40,00 | 84  | ZA.094.000                  |
| 9,50              | 9,50     | 40,00 | 84  | ZA.095.000                  |
| 9,60              | 9,60     | 40,00 | 89  | ZA.096.000                  |
| 9,70              | 9,70     | 43,00 | 89  | ZA.097.000                  |
| 9,80              | 9,80     | 43,00 | 89  | ZA.098.000                  |
| 9,90              | 9,90     | 43,00 | 89  | ZA.099.000                  |
| 10,00             | 10,00    | 43,00 | 89  | ZA.100.000                  |
| 10,20             | 10,20    | 43,00 | 89  | ZA.102.000                  |
| 10,30             | 10,30    | 43,00 | 89  | ZA.103.000                  |
| 10,50             | 10,50    | 43,00 | 89  | ZA.105.000                  |
| 11,00             | 11,00    | 47,00 | 95  | ZA.110.000                  |
| 11,50             | 11,50    | 47,00 | 95  | ZA.115.000                  |
| 12,00             | 12,00    | 51,00 | 102 | ZA.120.000                  |

# VHM-Spiralbohrer 5xD

Solid carbide drill 5xD

Artikel-Nr. ZB...

TYPE W 2 118° o.IK HA (Norm) BLANK GP  
ALU NE plastic z 5xD



| D1<br>h7 | D2<br>h6 | L2 | L1 | Artikel-Nr./<br>Article-No. |
|----------|----------|----|----|-----------------------------|
| 1,00     | 1,00     | 12 | 34 | ZB.010.000                  |
| 1,10     | 1,10     | 14 | 36 | ZB.011.000                  |
| 1,20     | 1,20     | 16 | 38 | ZB.012.000                  |
| 1,30     | 1,30     | 16 | 38 | ZB.013.000                  |
| 1,40     | 1,40     | 18 | 40 | ZB.014.000                  |
| 1,50     | 1,50     | 18 | 40 | ZB.015.000                  |
| 1,60     | 1,60     | 20 | 43 | ZB.016.000                  |
| 1,70     | 1,70     | 20 | 43 | ZB.017.000                  |
| 1,80     | 1,80     | 22 | 46 | ZB.018.000                  |
| 1,90     | 1,90     | 22 | 46 | ZB.019.000                  |
| 2,00     | 2,00     | 24 | 49 | ZB.020.000                  |
| 2,10     | 2,10     | 24 | 49 | ZB.021.000                  |
| 2,20     | 2,20     | 27 | 53 | ZB.022.000                  |
| 2,30     | 2,30     | 27 | 53 | ZB.023.000                  |
| 2,40     | 2,40     | 30 | 57 | ZB.024.000                  |
| 2,50     | 2,50     | 30 | 57 | ZB.025.000                  |
| 2,60     | 2,60     | 30 | 57 | ZB.026.000                  |
| 2,70     | 2,70     | 33 | 61 | ZB.027.000                  |
| 2,80     | 2,80     | 33 | 61 | ZB.028.000                  |
| 2,90     | 2,90     | 33 | 61 | ZB.029.000                  |
| 3,00     | 3,00     | 33 | 61 | ZB.030.000                  |
| 3,10     | 3,10     | 36 | 65 | ZB.031.000                  |
| 3,20     | 3,20     | 36 | 65 | ZB.032.000                  |
| 3,30     | 3,30     | 36 | 65 | ZB.033.000                  |
| 3,40     | 3,40     | 39 | 70 | ZB.034.000                  |
| 3,50     | 3,50     | 39 | 70 | ZB.035.000                  |
| 3,60     | 3,60     | 39 | 70 | ZB.036.000                  |
| 3,70     | 3,70     | 39 | 70 | ZB.037.000                  |
| 3,80     | 3,80     | 43 | 75 | ZB.038.000                  |
| 3,90     | 3,90     | 43 | 75 | ZB.039.000                  |
| 4,00     | 4,00     | 43 | 75 | ZB.040.000                  |
| 4,10     | 4,10     | 43 | 75 | ZB.041.000                  |
| 4,20     | 4,20     | 43 | 75 | ZB.042.000                  |
| 4,30     | 4,30     | 47 | 80 | ZB.043.000                  |
| 4,40     | 4,40     | 47 | 80 | ZB.044.000                  |
| 4,50     | 4,50     | 47 | 80 | ZB.045.000                  |
| 4,60     | 4,60     | 47 | 80 | ZB.046.000                  |
| 4,70     | 4,70     | 47 | 80 | ZB.047.000                  |
| 4,80     | 4,80     | 52 | 86 | ZB.048.000                  |
| 4,90     | 4,90     | 52 | 86 | ZB.049.000                  |

# VHM-Spiralbohrer 5xD

Solid carbide drill 5xD

Artikel-Nr. ZB...

| D1<br>h7 | D2<br>h6 | L2 | L1  | Artikel-Nr./<br>Article-No. |
|----------|----------|----|-----|-----------------------------|
| 5,00     | 5,00     | 52 | 86  | ZB.050.000                  |
| 5,10     | 5,10     | 52 | 86  | ZB.051.000                  |
| 5,20     | 5,20     | 52 | 86  | ZB.052.000                  |
| 5,30     | 5,30     | 52 | 86  | ZB.053.000                  |
| 5,40     | 5,40     | 57 | 93  | ZB.054.000                  |
| 5,50     | 5,50     | 57 | 93  | ZB.055.000                  |
| 5,60     | 5,60     | 57 | 93  | ZB.056.000                  |
| 5,70     | 5,70     | 57 | 93  | ZB.057.000                  |
| 5,80     | 5,80     | 57 | 93  | ZB.058.000                  |
| 5,90     | 5,90     | 57 | 93  | ZB.059.000                  |
| 6,00     | 6,00     | 57 | 93  | ZB.060.000                  |
| 6,10     | 6,10     | 63 | 101 | ZB.061.000                  |
| 6,20     | 6,20     | 63 | 101 | ZB.062.000                  |
| 6,30     | 6,30     | 63 | 101 | ZB.063.000                  |
| 6,40     | 6,40     | 63 | 101 | ZB.064.000                  |
| 6,50     | 6,50     | 63 | 101 | ZB.065.000                  |
| 6,60     | 6,60     | 63 | 101 | ZB.066.000                  |
| 6,70     | 6,70     | 63 | 101 | ZB.067.000                  |
| 6,80     | 6,80     | 69 | 109 | ZB.068.000                  |
| 6,90     | 6,90     | 69 | 109 | ZB.069.000                  |
| 7,00     | 7,00     | 69 | 109 | ZB.070.000                  |
| 7,10     | 7,10     | 69 | 109 | ZB.071.000                  |
| 7,20     | 7,20     | 69 | 109 | ZB.072.000                  |
| 7,30     | 7,30     | 69 | 109 | ZB.073.000                  |
| 7,40     | 7,40     | 69 | 109 | ZB.074.000                  |
| 7,50     | 7,50     | 69 | 109 | ZB.075.000                  |
| 7,60     | 7,60     | 75 | 117 | ZB.076.000                  |
| 7,70     | 7,70     | 75 | 117 | ZB.077.000                  |
| 7,80     | 7,80     | 75 | 117 | ZB.078.000                  |
| 7,90     | 7,90     | 75 | 117 | ZB.079.000                  |
| 8,00     | 8,00     | 75 | 117 | ZB.080.000                  |
| 8,10     | 8,10     | 75 | 117 | ZB.081.000                  |
| 8,20     | 8,20     | 75 | 117 | ZB.082.000                  |
| 8,30     | 8,30     | 75 | 117 | ZB.083.000                  |
| 8,40     | 8,40     | 75 | 117 | ZB.084.000                  |
| 8,50     | 8,50     | 75 | 117 | ZB.085.000                  |
| 8,60     | 8,60     | 81 | 125 | ZB.086.000                  |
| 8,70     | 8,70     | 81 | 125 | ZB.087.000                  |
| 8,80     | 8,80     | 81 | 125 | ZB.088.000                  |
| 8,90     | 8,90     | 81 | 125 | ZB.089.000                  |
| 9,00     | 9,00     | 81 | 125 | ZB.090.000                  |
| 9,10     | 9,10     | 81 | 125 | ZB.091.000                  |
| 9,20     | 9,20     | 81 | 125 | ZB.092.000                  |
| 9,30     | 9,30     | 81 | 125 | ZB.093.000                  |
| 9,40     | 9,40     | 81 | 125 | ZB.094.000                  |
| 9,50     | 9,50     | 81 | 125 | ZB.095.000                  |

# VHM-Spiralbohrer 5xD

Solid carbide drill 5xD

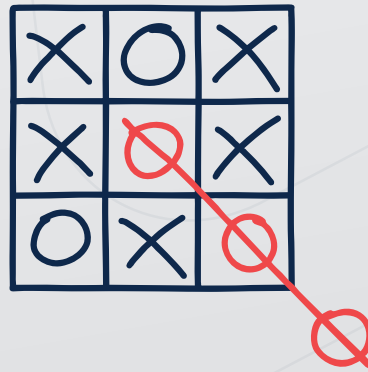
Artikel-Nr. ZB...

| D1<br>h7 | D2<br>h6 | L2  | L1  | Artikel-Nr./<br>Article-No. |
|----------|----------|-----|-----|-----------------------------|
| 9,60     | 9,60     | 87  | 133 | ZB.096.000                  |
| 9,70     | 9,70     | 87  | 133 | ZB.097.000                  |
| 9,80     | 9,80     | 87  | 133 | ZB.098.000                  |
| 9,90     | 9,90     | 87  | 133 | ZB.099.000                  |
| 10,00    | 10,00    | 87  | 133 | ZB.100.000                  |
| 10,20    | 10,20    | 87  | 133 | ZB.102.000                  |
| 10,50    | 10,50    | 87  | 133 | ZB.105.000                  |
| 11,00    | 11,00    | 94  | 142 | ZB.110.000                  |
| 11,50    | 11,50    | 94  | 142 | ZB.115.000                  |
| 12,00    | 12,00    | 101 | 151 | ZB.120.000                  |





**THINK  
OUTSIDE  
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BOX**



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