# RZK 219

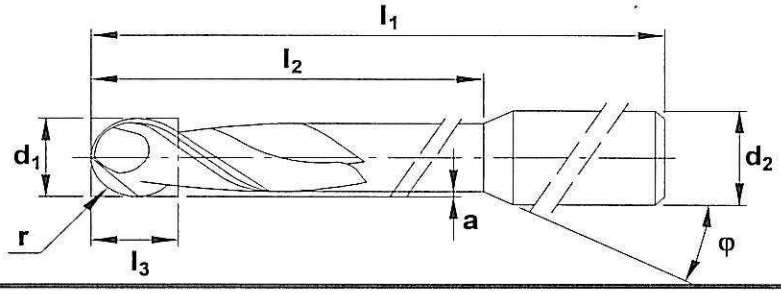


## MICRO CUTTING TOOLS

***HPTec MICRO-Line***
***für Aluminium***
***HPTec MICRO-Line***
***for aluminium***

**2-Schneider mit Kugelkopf (ohne Beschichtung), für Aluminium**

**2-Flute ball nose router (uncoated), for aluminium**




| | | | |
|---|---|---|---|
| **Typ** | *RZK 219* | **Type** | *RZK 219* |
| **Norm** | HPTec-Werknorm | **Standard** | HPTec Standard |
| **Spiralwinkel** | λ = 40 ° | **Helix angle** | λ = 40 ° |
| **Zylinderschaft** | DIN 6535 HA | **Straight shank** | DIN 6535 HA |
| **Beschichtung** | keine | **Coating** | none |
| **Schneidstoff** | Vollhartmetall | **Cutting material** | Solid carbide |

| $d_1$ [mm] | r [mm] | $l_3$ [mm] | $l_1$ [mm] | $l_2$ [mm] | $d_2$ [mm] | z | a [mm] | φ [°] | Art. Nr. / Art. No. |
|---|---|---|---|---|---|---|---|---|---|
| 0,4 | 0,20 | 2,0 | 38,2 | 4,0 | 3,000 | 2 | 0,025 | 18,0 | 598547 |
| 0,5 | 0,25 | 2,0 | 38,2 | 5,0 | 3,000 | 2 | 0,025 | 18,0 | 598546 |
| 0,6 | 0,30 | 2,0 | 38,2 | 6,0 | 3,000 | 2 | 0,025 | 18,0 | 598545 |
| 0,7 | 0,35 | 2,0 | 38,2 | 7,0 | 3,000 | 2 | 0,025 | 18,0 | 598544 |
| 0,8 | 0,40 | 2,0 | 38,2 | 8,0 | 3,000 | 2 | 0,025 | 18,0 | 598543 |
| 0,9 | 0,45 | 2,0 | 38,2 | 9,0 | 3,000 | 2 | 0,025 | 18,0 | 598542 |
| 1,0 | 0,50 | 4,0 | 38,2 | 10,0 | 3,000 | 2 | 0,025 | 18,0 | 598541 |
| 1,5 | 0,75 | 4,0 | 38,2 | 15,0 | 3,000 | 2 | 0,050 | 18,0 | 598540 |
| 3,0 | 1,50 | 6,0 | 38,2 | - | 3,000 | 2 | 0,100 | 18,0 | 598539 |

Weitere Abmessungen auf Anfrage lieferbar / further dimensions available on request

status 07.2011 technische Änderungen vorbehalten / Subject to technical alterations

HPTec GmbH
Im Karrer 6
D-88214 Ravensburg
Germany

Tel.: +49 (0)751-7669-0
Fax: +49 (0)751-7669-139
E-Mail: sales@hptec.de
Internet: www.hptec.de