

**D HPC-Schaftfräser**  
**Speedcut 4.0-Universal,**  
 lang, Vierschneider,  
 ungleiche Drallsteigung

**Einsatzbereich:**

VHM-Hochleistungsfräser für universellen Einsatz: Schlichten, Schrupp-Schlichten und Schruppen mit einem Werkzeug. Ungleiche Drallsteigung bewirkt ruhigen, vibrationsarmen Lauf und sehr gute Oberflächengüte. Die Generation 4.0 setzt neue Maßstäbe in der Zerspanungsleistung.

**E HPC end mill**  
**Speedcut 4.0-Universal,**  
 long series, four flutes,  
 different spiral angles

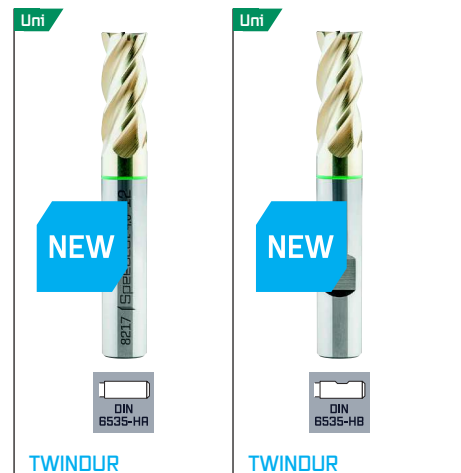
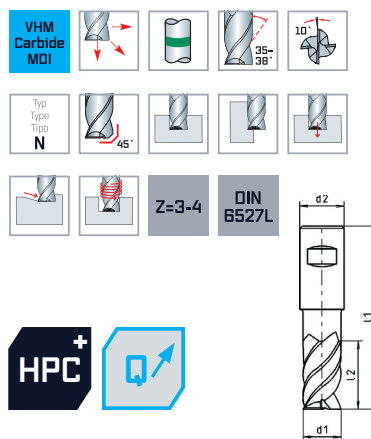
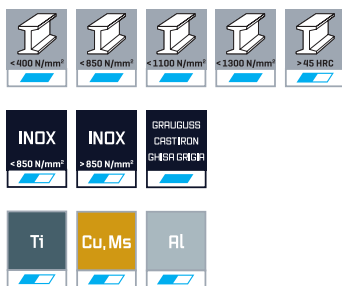
**Range of application:**

High performance carbide end mill for universal applications. Finishing, rough finishing and roughing with the same tool. Different spiral angles effect smooth, vibrationless running and excellent surface. The Generation 4.0 sets new standards in cutting performance.

**I Frese frontali HPC**  
**Speedcut 4.0-Universali,**  
 serie lunga, 4 taglianti,  
 angolo elica disuguale

**Impiego:**

Frese frontale MDI ad alto rendimento per applicazioni universali. In un solo utensile finitura, semi-finitura e sgrossatura, l'angolo dell'elica disuguale permette una lavorazione silenziosa senza vibrazioni, con un'ottima finitura della superficie. La generazione 4.0 stabilisce nuovi standard in rendimento.



| d1 <sub>h10</sub><br>mm | d2 <sub>h6</sub><br>mm | l1<br>mm | l2<br>mm | 45°  | Z | Code 8217<br>Art.-Nr. | Code 8717<br>Art.-Nr. |
|-------------------------|------------------------|----------|----------|------|---|-----------------------|-----------------------|
| 2                       | 4                      | 40       | 5        | 0,06 | 3 | 0821700200100         |                       |
| 3                       | 6                      | 57       | 8        | 0,15 | 4 | 0821700300100         | 0871700300100         |
| 4                       | 6                      | 57       | 11       | 0,15 | 4 | 0821700400100         | 0871700400100         |
| 5                       | 6                      | 57       | 13       | 0,25 | 4 | 0821700500100         | 0871700500100         |
| 6                       | 6                      | 57       | 13       | 0,25 | 4 | 0821700600100         | 0871700600100         |
| 7                       | 8                      | 63       | 16       | 0,25 | 4 | 0821700700100         | 0871700700100         |
| 8                       | 8                      | 63       | 19       | 0,25 | 4 | 0821700800100         | 0871700800100         |
| 9                       | 10                     | 72       | 19       | 0,25 | 4 | 0821700900100         | 0871700900100         |
| 10                      | 10                     | 72       | 22       | 0,25 | 4 | 0821701000100         | 0871701000100         |
| 11                      | 12                     | 83       | 26       | 0,25 | 4 | 0821701100100         | 0871701100100         |
| 12                      | 12                     | 83       | 26       | 0,25 | 4 | 0821701200100         | 0871701200100         |
| 16                      | 16                     | 92       | 32       | 0,35 | 4 | 0821701600100         | 0871701600100         |
| 20                      | 20                     | 104      | 38       | 0,35 | 4 | 0821702000100         | 0871702000100         |