

# HSS-E, DOVETAIL CUTTERS TYPE "A", "C", "E"

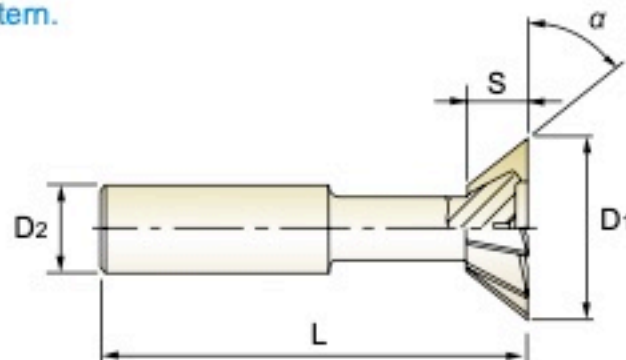
🇩🇪 HSS-E, WINKELFRÄSER FORM "A", "C", "E"

🇫🇷 Fraise HSS-E pour queue d'aronde Type "A", "C", "E"

🇮🇹 FRESE AD ANGOLO DIVERGENTE TIPO "A", "C", "E"

► Recommended for use in place of arbor and threaded hole type cutters to reduce set time and facilitate handling.

► Empfohlen zur Nutzung anstelle von Arbor und threaded hole type Cutters um Montierzeit zu verkürzen und Handhabung zu erleichtern.



Unit : mm

| EDP No.    |            | Cutter Diameter | Width of Face | Divergent Taper Angle   | Shank Diameter | Overall Length | No. of Teeth |
|------------|------------|-----------------|---------------|-------------------------|----------------|----------------|--------------|
| PLAIN      | FLAT       | D1(js16)        | S(js14)       | $\alpha (\pm 15^\circ)$ | D2(h6)         | L(js18)        | Z            |
| ML01201601 | ML11201601 | 16.0            | 4             | 45°                     | 12             | 60             | 6            |
| ML01202001 | ML11202001 | 20.0            | 5             | 45°                     | 12             | 63             | 6            |
| ML01202201 | ML11202201 | 22.0            | 6             | 45°                     | 12             | 67             | 6            |
| ML01202501 | ML11202501 | 25.0            | 6.3           | 45°                     | 16             | 67             | 8            |
| ML01202801 | ML11202801 | 28.0            | 7.5           | 45°                     | 16             | 67             | 8            |
| ML01203201 | ML11203201 | 32.0            | 8             | 45°                     | 16             | 71             | 10           |
| ML01203801 | ML11203801 | 38.0            | 10            | 45°                     | 16             | 80             | 12           |
| ML02201601 | ML12201601 | 16.0            | 6.3           | 60°                     | 12             | 60             | 6            |
| ML02202001 | ML12202001 | 20.0            | 8             | 60°                     | 12             | 63             | 6            |
| ML02202201 | ML12202201 | 22.0            | 9             | 60°                     | 12             | 67             | 6            |
| ML02202501 | ML12202501 | 25.0            | 10            | 60°                     | 16             | 67             | 8            |
| ML02202801 | ML12202801 | 28.0            | 11            | 60°                     | 16             | 67             | 8            |
| ML02203201 | ML12203201 | 32.0            | 12.5          | 60°                     | 16             | 71             | 10           |
| ML02203801 | ML12203801 | 38.0            | 16            | 60°                     | 16             | 80             | 12           |
| ML02204001 | ML12204001 | 40.0            | 13            | 60°                     | 25             | 85             | 12           |
| ML02205001 | ML12205001 | 50.0            | 16            | 60°                     | 25             | 100            | 16           |

## Tolerances according to DIN 7160 & 7161

|                       | Nominal-Diameter in mm |              |               |               |               |               |                |
|-----------------------|------------------------|--------------|---------------|---------------|---------------|---------------|----------------|
|                       | over 3 to 6            | over 6 to 10 | over 10 to 18 | over 18 to 30 | over 30 to 50 | over 50 to 80 | over 80 to 120 |
| Tolerance range in mm |                        |              |               |               |               |               |                |
| js16                  | ± 0.375                | ± 0.45       | ± 0.55        | ± 0.65        | ± 0.80        | ± 0.95        | ± 1.10         |
| js14                  | ± 0.15                 | ± 0.18       | ± 0.215       | ± 0.26        | ± 0.31        | ± 0.37        | ± 0.435        |
| js18                  | ± 0.90                 | ± 1.10       | ± 1.35        | ± 1.65        | ± 1.95        | ± 2.30        | ± 2.70         |
| Tolerance range in µm |                        |              |               |               |               |               |                |
| h6                    | 0<br>- 8               | 0<br>- 9     | 0<br>- 11     | 0<br>- 13     | 0<br>- 16     | 0<br>- 19     | 0<br>- 22      |

