

FRAISE-À-GRAVER-MD-E25UF-POUR-MICRO-MACHINE ·  
ENGRAVING-ENDMILL-SC-E25UF-FOR-MICRO-MACHINE ·  
GRAVIERSTICHEL-HM-E25UF-FÜR-MIKROMASCHINE



SWISS MADE

23800-0.10-50    Version 11.09.2026

E25  
UF

ULTRAFINE GRADE HIGH-END GRADE WITH VERY HIGH HARDNESS AND TOUGHNESS FOR MICRO-MACHINING

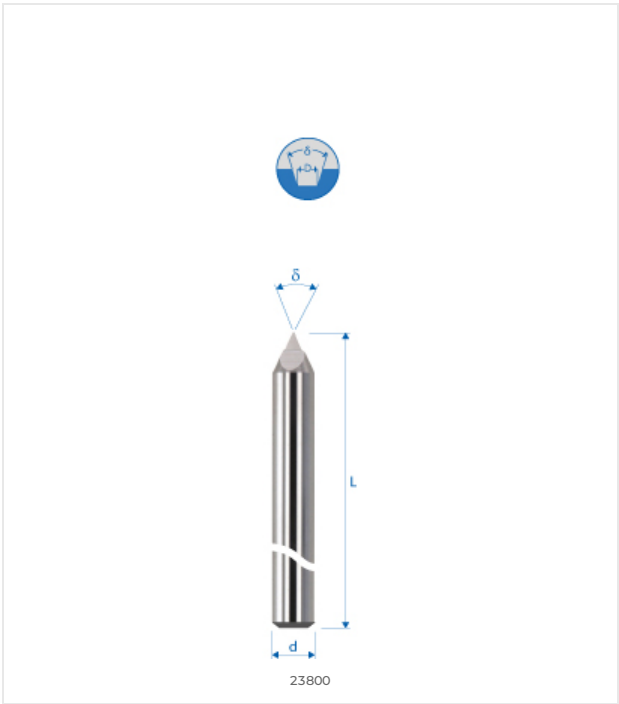
MATERIAL COMPATIBILITY

●●● Excellent (3/3)   ●●○ Good (2/3)   ●○○ Possible (1/3)   ○○○ Not recommended

Product material compatibility

| CATEGORY                                                            | MATERIAL | SPECIFICATION      | GRP | 23800-0.10-50 |
|---------------------------------------------------------------------|----------|--------------------|-----|---------------|
| Alloyed and non-alloyed steels<br><small>Non-alloyed steels</small> |          | Rm < 450 N/mm²     | 1a  | ○○○ 0/3       |
|                                                                     |          | Rm 450–700 N/mm²   | 1b  | ○○○ 0/3       |
|                                                                     |          | Rm 700–900 N/mm²   | 1c  | ○○○ 0/3       |
|                                                                     |          | Rm > 1200 N/mm²    | 1d  | ○○○ 0/3       |
| Stainless steels<br><small>Stainless steels</small>                 |          | Rm < 650 N/mm²     | 2a  | ○○○ 0/3       |
|                                                                     |          | Rm 650–950 N/mm²   | 2b  | ○○○ 0/3       |
|                                                                     |          | Rm > 950 N/mm²     | 2c  | ○○○ 0/3       |
| Hardened steels<br><small>Hardened steels</small>                   |          | 44–56 HRC          | 3a  | ○○○ 0/3       |
|                                                                     |          | 57–67 HRC          | 3b  | ○○○ 0/3       |
| Exotic materials<br><small>Special alloys</small>                   |          | < 32 HRC           | 4a  | ○○○ 0/3       |
|                                                                     |          | > 32 HRC           | 4b  | ○○○ 0/3       |
| Graphite<br><small>Industrial graphite</small>                      |          |                    | 5   | ●○○ 1/3       |
| Cast iron<br><small>Grey / nodular cast iron</small>                |          | < 32 HRC           | 6a  | ○○○ 0/3       |
|                                                                     |          | > 32 HRC           | 6b  | ○○○ 0/3       |
| Titanium<br><small>Titanium alloys</small>                          |          | Rm < 600 N/mm²     | 7a  | ○○○ 0/3       |
|                                                                     |          | 600 < Rm N/mm²     | 7b  | ○○○ 0/3       |
| Nickel alloys<br><small>Inconel, Hastelloy</small>                  |          | Rm < 1000 N/mm²    | 8a  | ○○○ 0/3       |
|                                                                     |          | Rm > 1000 N/mm²    | 8b  | ○○○ 0/3       |
| Copper, brass, bronze<br><small>Copper-based</small>                |          | Rm < 850 N/mm²     | 9a  | ●●● 3/3       |
|                                                                     |          | Rm > 850 N/mm²     | 9b  | ●●● 3/3       |
| Aluminum<br><small>Aluminum alloys</small>                          |          | Si < 0.5%          | 10a | ●●● 3/3       |
|                                                                     |          | 0.5% < Si < 5%     | 10b | ●●● 3/3       |
|                                                                     |          | Si > 5%            | 10c | ●○○ 1/3       |
| Synthetic materials<br><small>Engineering plastics</small>          |          | Thermoplastic      | 11a | ●●● 3/3       |
|                                                                     |          | Thermoset          | 11b | ●●● 3/3       |
| Composite materials<br><small>Reinforced composites</small>         |          | Glass fiber / GFK  | 12a | ●○○ 1/3       |
|                                                                     |          | Carbon fiber / KFK | 12b | ●○○ 1/3       |
| Precious metals<br><small>Gold, platinum, silver</small>            |          | Gold               | 13a | ●●● 3/3       |
|                                                                     |          | Platinum           | 13b | ●○○ 1/3       |

TECHNICAL DRAWING



DIMENSIONS

| NOMINAL DIMENSIONS |        |
|--------------------|--------|
| D (0 / -0.01)      | 0.1 mm |
| d (h5)             | 3 mm   |
| L                  | 28 mm  |
| l1                 | 1.2 mm |
| l3                 | –      |
| d3                 | –      |
| R                  | –      |
| e                  | –      |
| Z                  | 1      |
| Chamfer K          | –      |
| w° collision angle | 11.2°  |



E-SHOP / EZI CUT  
eskenazi.ch/eshop/23800-0.10-50