

FRAISE-À-GRAVER-POUR-MACHINE-701S-CARBURE-  
E25UF · ENGRAVING-RADIUS-ENDMILL-35°FOR-  
MACHINE-701S-CARBIDE-E25UF · GRAVIERSTICHEL-MIT-  
RADIUS-35°FÜR-MASCHINE-701S-HM-E25UF



SWISS MADE

24803-0.03-35 Version 11.09.2026

E25  
UF

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

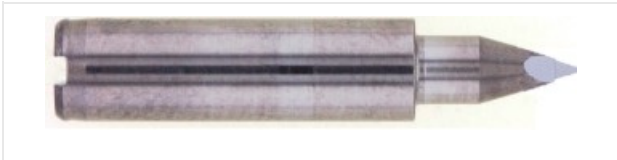
MATERIAL COMPATIBILITY

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

Product material compatibility

| CATEGORY                       | MATERIAL                 | SPECIFICATION      | GRP | 24803-0.03-35 |
|--------------------------------|--------------------------|--------------------|-----|---------------|
| Alloyed and non-alloyed steels | Non-alloyed steels       | 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               | Stainless steels         | Rm < 650 N/mm²     | 2a  | ○○○ 0/3       |
|                                |                          | Rm 650-950 N/mm²   | 2b  | ○○○ 0/3       |
|                                |                          | Rm > 950 N/mm²     | 2c  | ○○○ 0/3       |
| Hardened steels                | Hardened steels          | 44-56 HRC          | 3a  | ○○○ 0/3       |
|                                |                          | 57-67 HRC          | 3b  | ○○○ 0/3       |
| Exotic materials               | Special alloys           | < 32 HRC           | 4a  | ○○○ 0/3       |
|                                |                          | > 32 HRC           | 4b  | ○○○ 0/3       |
| Graphite                       | Industrial graphite      |                    | 5   | ●●○ 2/3       |
| Cast iron                      | Grey / nodular cast iron | < 32 HRC           | 6a  | ○○○ 0/3       |
|                                |                          | > 32 HRC           | 6b  | ○○○ 0/3       |
| Titanium                       | Titanium alloys          | Rm < 600 N/mm²     | 7a  | ○○○ 0/3       |
|                                |                          | 600 < Rm N/mm²     | 7b  | ○○○ 0/3       |
| Nickel alloys                  | Inconel, Hastelloy       | Rm < 1000 N/mm²    | 8a  | ○○○ 0/3       |
|                                |                          | Rm > 1000 N/mm²    | 8b  | ○○○ 0/3       |
| Copper, brass, bronze          | Copper-based             | Rm < 850 N/mm²     | 9a  | ●●● 3/3       |
|                                |                          | Rm > 850 N/mm²     | 9b  | ●●● 3/3       |
| Aluminum                       | Aluminum alloys          | Si < 0.5%          | 10a | ●●● 3/3       |
|                                |                          | 0.5% < Si < 5%     | 10b | ●●● 3/3       |
|                                |                          | Si > 5%            | 10c | ●○○ 1/3       |
| Synthetic materials            | Engineering plastics     | Thermoplastic      | 11a | ●●● 3/3       |
|                                |                          | Thermoset          | 11b | ●●● 3/3       |
| Composite materials            | Reinforced composites    | Glass fiber / GFK  | 12a | ●○○ 1/3       |
|                                |                          | Carbon fiber / KFK | 12b | ●○○ 1/3       |
| Precious metals                | Gold, platinum, silver   | Gold               | 13a | ●●○ 2/3       |
|                                |                          | Platinum           | 13b | ●○○ 1/3       |

TECHNICAL DRAWING



DIMENSIONS

| NOMINAL DIMENSIONS |         |
|--------------------|---------|
| D (0 / -0.01)      | 0.03 mm |
| d (h5)             | 6 mm    |
| L                  | 33 mm   |
| l1                 | 2.2 mm  |
| l3                 | -       |
| d3                 | -       |
| R                  | -       |
| e                  | -       |
| Z                  | 1       |
| Chamfer K          | -       |
| w° collision angle | 11.4°   |



E-SHOP / EZI CUT  
eskenazi.ch/eshop/24803-0.03-35

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