

FRAISE-PROFIL-ÉBAUCHE-MD-E2-+-AL-EZI-+L3 ·  
ROUGHIN-ENDMILL-SC-E2-+-AL-EZI · SCHAFT-  
SCHRUPPFRÄSE-HM-E2-+-AL-EZI



SWISS MADE

22603H-8

Version 11.09.2026

E2

SUBMICRON GRAIN  
GRADE HIGH-SPEED  
MACHINING OF  
ABRASIVE MATERIALS

$\lambda = 40^\circ$   
 $\gamma = 18^\circ$

VARIABLE HELIX  
ANGLES 40° AND  
CUTTING ANGLE 18°

45°

CHAMFER AT 45°

SIDE AND CENTER CUT

$l_1$   
2.2xD

CUTTING EDGE  
LENGTH 2.2XD

$l_3$

CUTTING LENGTH

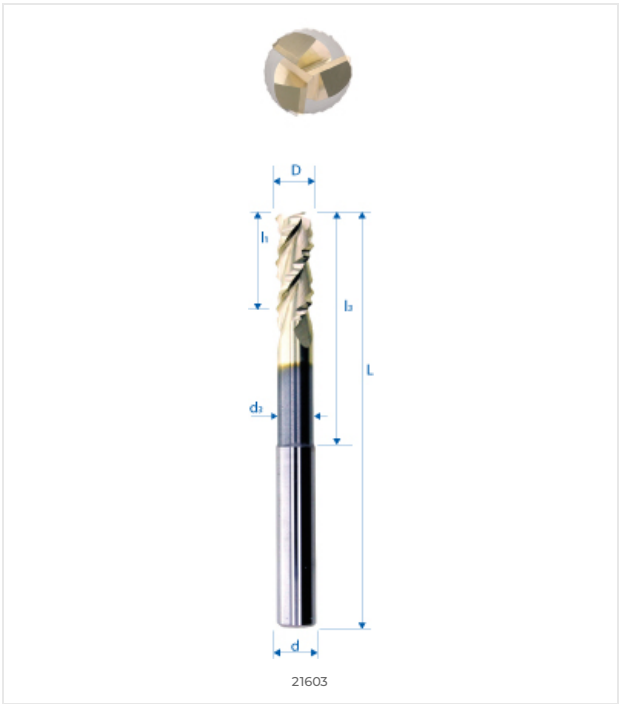
FITTING LENGTH  
EXTRALONG

MATERIAL COMPATIBILITY

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

| Product material compatibility |                                |                    |     |          |
|--------------------------------|--------------------------------|--------------------|-----|----------|
| CATEGORY                       | MATERIAL                       | SPECIFICATION      | GRP | 22603H-8 |
|                                | Alloyed and non-alloyed steels | Rm < 450 N/mm²     | 1a  | ○○○ 0/3  |
|                                | Non-alloyed steels             | 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               | Rm < 650 N/mm²     | 2a  | ○○○ 0/3  |
|                                |                                | Rm 650–950 N/mm²   | 2b  | ○○○ 0/3  |
|                                |                                | Rm > 950 N/mm²     | 2c  | ○○○ 0/3  |
|                                | Hardened steels                | 44–56 HRC          | 3a  | ○○○ 0/3  |
|                                |                                | 57–67 HRC          | 3b  | ○○○ 0/3  |
|                                | Exotic materials               | < 32 HRC           | 4a  | ○○○ 0/3  |
|                                | Special alloys                 | > 32 HRC           | 4b  | ○○○ 0/3  |
|                                | Graphite                       |                    | 5   | ○○○ 0/3  |
|                                | Cast iron                      | < 32 HRC           | 6a  | ○○○ 0/3  |
|                                | Grey / nodular cast iron       | > 32 HRC           | 6b  | ○○○ 0/3  |
|                                | Titanium                       | Rm < 600 N/mm²     | 7a  | ○○○ 0/3  |
|                                | Titanium alloys                | 600 < Rm N/mm²     | 7b  | ○○○ 0/3  |
|                                | Nickel alloys                  | Rm < 1000 N/mm²    | 8a  | ○○○ 0/3  |
|                                | Inconel, Hastelloy             | Rm > 1000 N/mm²    | 8b  | ○○○ 0/3  |
|                                | Copper, brass, bronze          | Rm < 850 N/mm²     | 9a  | ●●● 3/3  |
|                                | Copper-based                   | Rm > 850 N/mm²     | 9b  | ●●● 3/3  |
|                                | Aluminum                       | Si < 0.5%          | 10a | ●●● 3/3  |
|                                | Aluminum alloys                | 0.5% < Si < 5%     | 10b | ●●● 3/3  |
|                                |                                | Si > 5%            | 10c | ●●○ 2/3  |
|                                | Synthetic materials            | Thermoplastic      | 11a | ○○○ 0/3  |
|                                | Engineering plastics           | Thermoset          | 11b | ○○○ 0/3  |
|                                | Composite materials            | Glass fiber / GFK  | 12a | ○○○ 0/3  |
|                                | Reinforced composites          | Carbon fiber / KFK | 12b | ○○○ 0/3  |
|                                | Precious metals                | Gold               | 13a | ○○○ 0/3  |
|                                | Gold, platinum, silver         | Platinum           | 13b | ○○○ 0/3  |

TECHNICAL DRAWING



DIMENSIONS

| NOMINAL DIMENSIONS |       |
|--------------------|-------|
| D (0 / -0.01)      | 8 mm  |
| d (h5)             | 8 mm  |
| L                  | 82 mm |
| l1                 | 19 mm |
| l3                 | 45 mm |
| d3                 | –     |
| R                  | –     |
| e                  | –     |
| Z                  | 3     |
| Chamfer K          | 0.6   |
| w° collision angle | –     |



E-SHOP / EZI CUT  
eskenazi.ch/eshop/22603H-8

