

MICRO-FRAISE-DE-FINITION Z3 · MICRO Z3 ·  
MIKROFEINFRÄSE Z3

29302A-1.5-4 Version 11.09.2026



SWISS MADE

1.5  
Ø D (MM)

50  
L (MM)

3  
Z

MATERIAL COMPATIBILITY

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

| Product material compatibility                                      |          |                    |     |              |
|---------------------------------------------------------------------|----------|--------------------|-----|--------------|
| CATEGORY                                                            | MATERIAL | SPECIFICATION      | GRP | 29302A-1.5-4 |
| Alloyed and non-alloyed steels<br><small>Non-alloyed steels</small> |          | Rm < 450 N/mm²     | 1a  | ●●● 3/3      |
|                                                                     |          | Rm 450–700 N/mm²   | 1b  | ●●● 3/3      |
|                                                                     |          | Rm 700–900 N/mm²   | 1c  | ●●● 3/3      |
|                                                                     |          | Rm > 1200 N/mm²    | 1d  | ●●● 3/3      |
| Stainless steels<br><small>Stainless steels</small>                 |          | Rm < 650 N/mm²     | 2a  | ●●● 3/3      |
|                                                                     |          | Rm 650–950 N/mm²   | 2b  | ●●● 3/3      |
|                                                                     |          | Rm > 950 N/mm²     | 2c  | ●●● 3/3      |
| 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  | ●●○ 2/3      |
|                                                                     |          | > 32 HRC           | 4b  | ●●○ 2/3      |
| Graphite<br><small>Industrial graphite</small>                      |          |                    | 5   | ●●○ 2/3      |
| Cast iron<br><small>Grey / nodular cast iron</small>                |          | < 32 HRC           | 6a  | ●●● 3/3      |
|                                                                     |          | > 32 HRC           | 6b  | ●●● 3/3      |
| Titanium<br><small>Titanium alloys</small>                          |          | Rm < 600 N/mm²     | 7a  | ●●● 3/3      |
|                                                                     |          | 600 < Rm N/mm²     | 7b  | ●●● 3/3      |
| Nickel alloys<br><small>Inconel, Hastelloy</small>                  |          | Rm < 1000 N/mm²    | 8a  | ●●○ 2/3      |
|                                                                     |          | Rm > 1000 N/mm²    | 8b  | ●●○ 2/3      |
| 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 | ●●○ 2/3      |
| Synthetic materials<br><small>Engineering plastics</small>          |          | Thermoplastic      | 11a | ●●○ 2/3      |
|                                                                     |          | Thermoset          | 11b | ●●○ 2/3      |
| Composite materials<br><small>Reinforced composites</small>         |          | Glass fiber / GFK  | 12a | ●●○ 2/3      |
|                                                                     |          | Carbon fiber / KFK | 12b | ●●○ 2/3      |
| Precious metals<br><small>Gold, platinum, silver</small>            |          | Gold               | 13a | ●○○ 1/3      |
|                                                                     |          | Platinum           | 13b | ●○○ 1/3      |

TECHNICAL DRAWING



DIMENSIONS

| NOMINAL DIMENSIONS |        |
|--------------------|--------|
| D (0 / -0.01)      | 1.5 mm |
| d (h5)             | 4 mm   |
| L                  | 50 mm  |
| l1                 | 4 mm   |
| l3                 | –      |
| d3                 | –      |
| R                  | –      |
| e                  | –      |
| Z                  | 3      |
| Chamfer K          | –      |
| w° collision angle | 7.9°   |



E-SHOP / EZI CUT  
eskenazi.ch/eshop/29302A-1.5-4

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