

MICRO-FRAISE Z3 · MICRO-ENDMILL Z3 · MICRO-FRÄSER Z3



23203C-1.0    Version 06.08.2026



1  
Ø D (MM)

28  
L (MM)

3  
Z

MATERIAL COMPATIBILITY

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

| MATERIAL                                                                   | SPECIFICATION      | GRP | 23203C-1.0 |
|----------------------------------------------------------------------------|--------------------|-----|------------|
| <b>Alloyed and non-alloyed steels</b><br><small>Non-alloyed steels</small> | Rm < 450 N/mm²     | 1a  | ○○○        |
|                                                                            | Rm 450–700 N/mm²   | 1b  | ○○○        |
|                                                                            | Rm 700–900 N/mm²   | 1c  | ○○○        |
|                                                                            | Rm > 1200 N/mm²    | 1d  | ○○○        |
| <b>Stainless steels</b><br><small>Stainless steels</small>                 | Rm < 650 N/mm²     | 2a  | ○○○        |
|                                                                            | Rm 650–950 N/mm²   | 2b  | ○○○        |
|                                                                            | Rm > 950 N/mm²     | 2c  | ○○○        |
| <b>Hardened steels</b><br><small>Hardened steels</small>                   | 44–56 HRC          | 3a  | ○○○        |
|                                                                            | 57–67 HRC          | 3b  | ○○○        |
| <b>Exotic materials</b><br><small>Special alloys</small>                   | < 32 HRC           | 4a  | ○○○        |
|                                                                            | > 32 HRC           | 4b  | ○○○        |
| <b>Graphite</b><br><small>Industrial graphite</small>                      |                    | 5   | ○○○        |
| <b>Cast iron</b><br><small>Grey / nodular cast iron</small>                | < 32 HRC           | 6a  | ○○○        |
|                                                                            | > 32 HRC           | 6b  | ○○○        |
| <b>Titanium</b><br><small>Titanium alloys</small>                          | Rm < 600 N/mm²     | 7a  | ○○○        |
|                                                                            | 600 < Rm N/mm²     | 7b  | ○○○        |
| <b>Nickel alloys</b><br><small>Inconel, Hastelloy</small>                  | Rm < 1000 N/mm²    | 8a  | ○○○        |
|                                                                            | Rm > 1000 N/mm²    | 8b  | ○○○        |
| <b>Copper, brass, bronze</b><br><small>Copper-based</small>                | Rm < 850 N/mm²     | 9a  | ○○○        |
|                                                                            | Rm > 850 N/mm²     | 9b  | ○○○        |
| <b>Aluminum</b><br><small>Aluminum alloys</small>                          | Si < 0.5%          | 10a | ○○○        |
|                                                                            | 0.5% < Si < 5%     | 10b | ○○○        |
|                                                                            | Si > 5%            | 10c | ○○○        |
| <b>Synthetic materials</b><br><small>Engineering plastics</small>          | Thermoplastic      | 11a | ○○○        |
|                                                                            | Thermoset          | 11b | ○○○        |
| <b>Composite materials</b><br><small>Reinforced composites</small>         | Glass fiber / GFK  | 12a | ○○○        |
|                                                                            | Carbon fiber / KFK | 12b | ○○○        |
| <b>Precious metals</b><br><small>Gold, platinum, silver</small>            | Gold               | 13a | ○○○        |
|                                                                            | Platinum           | 13b | ○○○        |

TECHNICAL DRAWING



DIMENSIONS

| NOMINAL DIMENSIONS |       |
|--------------------|-------|
| D (0 / -0.01)      | 1 mm  |
| d (h5)             | 3 mm  |
| L                  | 28 mm |
| l1                 | 3 mm  |
| l3                 | –     |
| d3                 | –     |
| R                  | –     |
| e                  | –     |
| Z                  | 3     |
| Chamfer K          | –     |
| w° collision       | 8.1°  |



E-SHOP / EZI CUT  
eskenazi.ch/eshop/23203C-1.0