

# FRAISE-MULTI-USAGE-MD-E25UF-+-EZI-ALPHA · MULTI-USE-ENDMILL-SC-E2-+-EZI-ALPHA · FRÄSER-MULTI-VERWENDUNG-HM-E25UF-+-EZI-ALPHA



SWISS MADE

21750A-90-2

Version 07.05.2026



## MATERIAL COMPATIBILITY

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

| MATERIAL  | SPECIFICATION                | GRP | 21750A-90-2 |
|---|------------------------------|-----|-------------|
| <b>Alloyed and non-alloyed steels</b><br>Non-alloyed steels | Rm < 450 N/mm <sup>2</sup>   | 1a  | ●●●         |
|   | Rm 450-700 N/mm <sup>2</sup> | 1b  | ●●●         |
|   | Rm 700-900 N/mm <sup>2</sup> | 1c  | ●●●         |
|   | Rm > 1200 N/mm <sup>2</sup>  | 1d  | ●●●         |
| <b>Stainless steels</b><br>Stainless steels                 | Rm < 650 N/mm <sup>2</sup>   | 2a  | ●●●         |
|   | Rm 650-950 N/mm <sup>2</sup> | 2b  | ●●●         |
|   | Rm > 950 N/mm <sup>2</sup>   | 2c  | ●●●         |
| <b>Hardened steels</b><br>Hardened steels                   | 44-56 HRC                    | 3a  | ○○○         |
|   | 57-67 HRC                    | 3b  | ○○○         |
| <b>Exotic materials</b><br>Special alloys                   | < 32 HRC                     | 4a  | ○○○         |
|   | > 32 HRC                     | 4b  | ○○○         |
| <b>Graphite</b><br>Industrial graphite                      |                              | 5   | ●●●         |
| <b>Cast iron</b><br>Grey / nodular cast iron                | < 32 HRC                     | 6a  | ●●●         |
|   | > 32 HRC                     | 6b  | ●●●         |
| <b>Titanium</b><br>Titanium alloys                          | Rm < 600 N/mm <sup>2</sup>   | 7a  | ●●●         |
|   | 600 < Rm N/mm <sup>2</sup>   | 7b  | ●●●         |
| <b>Nickel alloys</b><br>Inconel, Hastelloy                  | Rm < 1000 N/mm <sup>2</sup>  | 8a  | ○○○         |
|   | Rm > 1000 N/mm <sup>2</sup>  | 8b  | ○○○         |
| <b>Copper, brass, bronze</b><br>Copper-based                | Rm < 850 N/mm <sup>2</sup>   | 9a  | ●●○         |
|   | Rm > 850 N/mm <sup>2</sup>   | 9b  | ●●○         |
| <b>Aluminum</b><br>Aluminum alloys                          | Si < 0.5%                    | 10a | ●●○         |
|   | 0.5% < Si < 5%               | 10b | ●●○         |
|   | Si > 5%                      | 10c | ●●●         |
| <b>Synthetic materials</b><br>Engineering plastics          | Thermoplastic                | 11a | ●○○         |
|   | Thermoset                    | 11b | ●○○         |
| <b>Composite materials</b><br>Reinforced composites         | Glass fiber / GFK            | 12a | ●●●         |
|   | Carbon fiber / KFK           | 12b | ●●●         |
| <b>Precious metals</b><br>Gold, platinum, silver            | Gold                         | 13a | ●●○         |
|   | Platinum                     | 13b | ●●○         |

## TECHNICAL DRAWING



## DIMENSIONS

| NOMINAL DIMENSIONS |        |
|--------------------|--------|
| D (0 / -0.01)      | 2 mm   |
| d (h5)             | 3 mm   |
| L                  | 38 mm  |
| l1                 | 4 mm   |
| l3                 | -      |
| d3                 | -      |
| R                  | 0.2 mm |
| e                  | -      |
| Z                  | 2      |
| Chamfer K          | -      |
| w° collision       | 4.9°   |



E-SHOP / EZI CUT  
[eskenazi.ch/eshop/21750A-90-2](https://eskenazi.ch/eshop/21750A-90-2)