

FRAISE-TORIQUE-MD-E2 · TORIC-ENDMILL-MD-E2 ·  
TORISCHE-FRÄSER-HM-E2



22372-10-R1    Version 11.09.2026



E2

SUBMICRON GRAIN  
GRADE HIGH-  
SPEED MACHINING  
OF ABRASIVE  
MATERIALS

$\lambda=32^{\circ}-38^{\circ}$   
 $\gamma=10^{\circ}$

VARIABLE HELIX  
ANGLES 32° - 38°  
AND CUTTING  
ANGLE 10°

CORNER RADIUS  
SHAPE

SIDE AND CENTER  
CUT

$h$   
2.2xD

CUTTING EDGE  
LENGTH 2.2XD

FITTING LENGTH  
STANDARD

IRREGULAR  
TOOTHING

$\lambda_2$   
 $\lambda_1$

VARIABLE HELIX  
ANGLES

MATERIAL COMPATIBILITY

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

| Product material compatibility |                          |                    |     |             |
|--------------------------------|--------------------------|--------------------|-----|-------------|
| CATEGORY                       | MATERIAL                 | SPECIFICATION      | GRP | 22372-10-R1 |
| Alloyed and non-alloyed steels | Non-alloyed steels       | Rm < 450 N/mm²     | 1a  | ●○● 1/3     |
|                                |                          | 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   | ●○● 1/3     |
| Cast iron                      | Grey / nodular cast iron | < 32 HRC           | 6a  | ○○○ 0/3     |
|                                |                          | > 32 HRC           | 6b  | ○○○ 0/3     |
| Titanium                       | Titanium alloys          | Rm < 600 N/mm²     | 7a  | ●○● 1/3     |
|                                |                          | 600 < Rm N/mm²     | 7b  | ●○● 1/3     |
| 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 | ●●○ 2/3     |
|                                |                          | 0.5% < Si < 5%     | 10b | ●●○ 2/3     |
|                                |                          | Si > 5%            | 10c | ○○○ 0/3     |
| Synthetic materials            | Engineering plastics     | Thermoplastic      | 11a | ●●○ 2/3     |
|                                |                          | Thermoset          | 11b | ●●○ 2/3     |
| 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 | ○○○ 0/3     |

TECHNICAL DRAWING



DIMENSIONS

| NOMINAL DIMENSIONS |       |
|--------------------|-------|
| D (0 / -0.01)      | 10 mm |
| d (h5)             | 10 mm |
| L                  | 72 mm |
| l1                 | 22 mm |
| l3                 | –     |
| d3                 | –     |
| R                  | 1 mm  |
| e                  | –     |
| Z                  | 3     |
| Chamfer K          | –     |
| w° collision angle | –     |



E-SHOP / EZI CUT  
eskenazi.ch/eshop/22372-10-R1