

MICRO-FRAISE-TORIQUE-MD-E25UF-+-EZI-ALPHA-+L3 ·
 TORIC-MICRO-ENDMILL-HM-E25UF-+-EZI-ALPHA ·
 TORISCHE-MICROFRÄSER-HM-E25UF-+-EZI-ALPHA



SWISS MADE

21072A-0.5

Version 07.05.2026

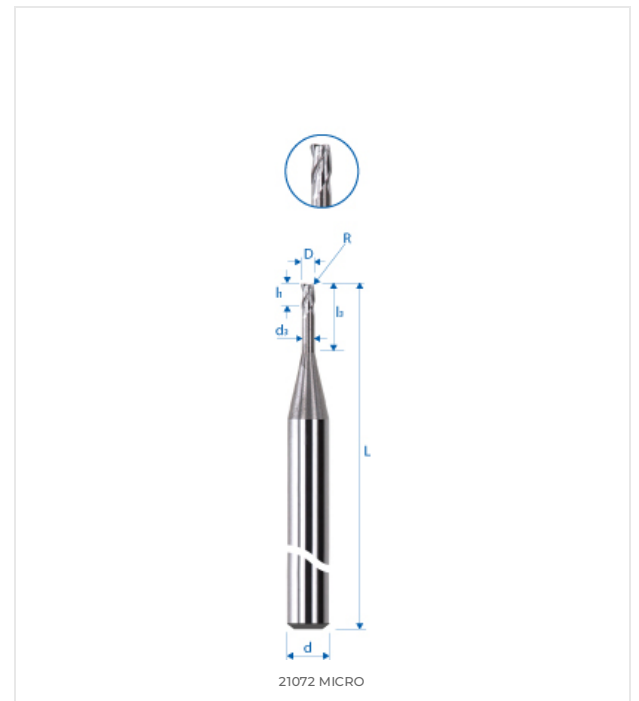
E25 UF CARBIDE TOOL MATERIAL E25 UF	$\lambda=30^{\circ}\text{-}35^{\circ}$ $\gamma=8^{\circ}$ CUTTING ANGLES γ 30°-35° γ 8°	U-SHAPED GROOVE TOOL PROFILE	DUAL DIRECTION HELICAL DRILL BIT	h_1 1.5xD 1.5XD DEPTH PRECISION TOOL	l_3 8xD 8XD LENGTH L3 CUTTING TOOL	STANDARD TOOL WEAR INDICATOR	ADJUSTABLE ANGLE ICON	λ_2 λ_1 VARIABLE HELIX DRILL BIT
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MATERIAL COMPATIBILITY

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

MATERIAL	SPECIFICATION	GRP	21072A-0.5
Alloyed and non-alloyed steels Non-alloyed steels	Rm < 450 N/mm ²	1a	●●●
	Rm 450–700 N/mm ²	1b	●●●
	Rm 700–900 N/mm ²	1c	●●●
	Rm > 1200 N/mm ²	1d	●●●
Stainless steels Stainless steels	Rm < 650 N/mm ²	2a	●●●
	Rm 650–950 N/mm ²	2b	●●●
	Rm > 950 N/mm ²	2c	●●●
Hardened steels Hardened steels	44–56 HRC	3a	●●○
	57–67 HRC	3b	●○○
Exotic materials Special alloys	< 32 HRC	4a	●●○
	> 32 HRC	4b	●●○
Graphite Industrial graphite		5	●●○
Cast iron Grey / nodular cast iron	< 32 HRC	6a	●●○
	> 32 HRC	6b	●●○
Titanium Titanium alloys	Rm < 600 N/mm ²	7a	●●●
	600 < Rm N/mm ²	7b	●●●
Nickel alloys Inconel, Hastelloy	Rm < 1000 N/mm ²	8a	●●●
	Rm > 1000 N/mm ²	8b	●●●
Copper, brass, bronze Copper-based	Rm < 850 N/mm ²	9a	●○○
	Rm > 850 N/mm ²	9b	●○○
Aluminum Aluminum alloys	Si < 0.5%	10a	●○○
	0.5% < Si < 5%	10b	●○○
	Si > 5%	10c	●●○
Synthetic materials Engineering plastics	Thermoplastic	11a	●●●
	Thermoset	11b	●●●
Composite materials Reinforced composites	Glass fiber / GFK	12a	●●○
	Carbon fiber / KFK	12b	●●○
Precious metals Gold, platinum, silver	Gold	13a	●●○
	Platinum	13b	●●○

TECHNICAL DRAWING



DIMENSIONS

NOMINAL DIMENSIONS	
D (0 / -0.01)	0.5 mm
d (h5)	3 mm
L	38 mm
l1	0.6 mm
l3	2.5 mm
d3	–
R	0.05 mm
e	–
Z	3
Chamfer K	–
w° collision	9.3°



E-SHOP / EZI CUT
eskenazi.ch/eshop/21072A-0.5