

MICRO-FRAISE · MICRO-ENDMILL-Z:3-FOR-MACHINE-701S-CARBIDE-E25UF-+-COATING-EZI-ALPHA-3 · MIKROFRÄSER-Z:3-FÜR-MASCHINE-701S-HM-E25-UF-+-BESCHICHTUNG-EZI-ALPHA



SWISS MADE

24034A-1.0 Version 11.09.2026

E25 UF
ULTRAFINE GRADE HIGH-END GRADE WITH VERY HIGH HARDNESS AND TOUGHNESS FOR MICRO-MACHINING

$\lambda=30^{\circ}\text{--}35^{\circ}$
 $\gamma=8^{\circ}$
VARIABLE HELIX ANGLES 30° - 35° AND CUTTING ANGLE 8°

angle vif
SHARP EDGE

SIDE AND CENTER CUT

l_1
 $0.5 \times D$
CUTTING EDGE LENGTH $0.5 \times D$

l_3
CUTTING LENGTH

FITTING LENGTH SHORT

IRREGULAR TOOTHING

λ_2
 λ_1
VARIABLE HELIX ANGLES

MATERIAL COMPATIBILITY

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

Product material compatibility				
CATEGORY	MATERIAL	SPECIFICATION	GRP	24034A-1.0
Alloyed and non-alloyed steels Non-alloyed steels		Rm < 450 N/mm ²	1a	●●● 3/3
		Rm 450–700 N/mm ²	1b	●●● 3/3
		Rm 700–900 N/mm ²	1c	●●● 3/3
		Rm > 1200 N/mm ²	1d	●●● 3/3
Stainless steels Stainless steels		Rm < 650 N/mm ²	2a	●●● 3/3
		Rm 650–950 N/mm ²	2b	●●● 3/3
		Rm > 950 N/mm ²	2c	●●● 3/3
Hardened steels Hardened steels		44–56 HRC	3a	●●○ 2/3
		57–67 HRC	3b	●○○ 1/3
Exotic materials Special alloys		< 32 HRC	4a	●●○ 2/3
		> 32 HRC	4b	●●○ 2/3
Graphite Industrial graphite			5	●●○ 2/3
Cast iron Grey / nodular cast iron		< 32 HRC	6a	●●○ 2/3
		> 32 HRC	6b	●●○ 2/3
Titanium Titanium alloys		Rm < 600 N/mm ²	7a	●●● 3/3
		600 < Rm N/mm ²	7b	●●● 3/3
Nickel alloys Inconel, Hastelloy		Rm < 1000 N/mm ²	8a	●●● 3/3
		Rm > 1000 N/mm ²	8b	●●● 3/3
Copper, brass, bronze Copper-based		Rm < 850 N/mm ²	9a	●●○ 2/3
		Rm > 850 N/mm ²	9b	●●○ 2/3
Aluminum Aluminum alloys		Si < 0.5%	10a	●○○ 1/3
		0.5% < Si < 5%	10b	●○○ 1/3
		Si > 5%	10c	●●○ 2/3
Synthetic materials Engineering plastics		Thermoplastic	11a	○○○ 0/3
		Thermoset	11b	○○○ 0/3
Composite materials Reinforced composites		Glass fiber / GFK	12a	●●○ 2/3
		Carbon fiber / KFK	12b	●●○ 2/3
Precious metals Gold, platinum, silver		Gold	13a	●●○ 2/3
		Platinum	13b	●●○ 2/3

TECHNICAL DRAWING



DIMENSIONS

NOMINAL DIMENSIONS	
D (0 / -0.01)	1 mm
d (h5)	6 mm
L	33 mm
l1	1 mm
l3	5 mm
d3	–
R	–
e	–
Z	3
Chamfer K	0
w° collision angle	9.3°



E-SHOP / EZI CUT
eskenazi.ch/eshop/24034A-1.0

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