

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



SWISS MADE

24302A-1.0 Version 11.09.2026

E25
UF

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

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

VARIABLE HELIX
ANGLES $32^{\circ} - 38^{\circ}$
AND CUTTING
ANGLE 10°

angle
vif

SHARP EDGE

SIDE AND CENTER
CUT

l_1
 $3 \times D$

CUTTING EDGE
LENGTH $3 \times D$

FITTING LENGTH
LONG

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	24302A-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	○○○ 0/3
		57–67 HRC	3b	○○○ 0/3
	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	3.75 mm
l3	–
d3	–
R	–
e	–
Z	3
Chamfer K	0
w° collision angle	10°



E-SHOP / EZI CUT
eskenazi.ch/eshop/24302A-1.0

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