

MICRO-FRAISE · MICRO-ENDMILL-Z:3-FOR-MACHINE-701S-CARBIDE-E25UF · MIKROFRÄSER-Z:3-FÜR-MASCHINE-701S-HM-E25UF



SWISS MADE

24038-0.4

Version 10.09.2026

E25
UF

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

$\lambda=30^{\circ}-35^{\circ}$
 $\gamma=8^{\circ}$

VARIABLE HELIX
ANGLES 30° - 35°
AND CUTTING
ANGLE 8°

angle
vif

SHARP EDGE

SIDE AND CENTER
CUT

5xD

CUTTING EDGE
LENGTH 5XD

FITTING LENGTH
EXTRALONG

IRREGULAR
TOOTHINGS

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	24038-0.4
Alloyed and non-alloyed steels	Non-alloyed steels	Rm < 450 N/mm ²	1a	●○ 1/3
		Rm 450–700 N/mm ²	1b	○○ 0/3
		Rm 700–900 N/mm ²	1c	○○ 0/3
		Rm > 1200 N/mm ²	1d	○○ 0/3
Stainless steels	Stainless steels	Rm < 650 N/mm ²	2a	○○ 0/3
		Rm 650–950 N/mm ²	2b	○○ 0/3
		Rm > 950 N/mm ²	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/mm ²	7a	●○ 1/3
		600 < Rm N/mm ²	7b	●○ 1/3
Nickel alloys	Inconel, Hastelloy	Rm < 1000 N/mm ²	8a	○○ 0/3
		Rm > 1000 N/mm ²	8b	○○ 0/3
Copper, brass, bronze	Copper-based	Rm < 850 N/mm ²	9a	●●● 3/3
		Rm > 850 N/mm ²	9b	●●● 3/3
Aluminum	Aluminum alloys	Si < 0.5%	10a	●●● 3/3
		0.5% < Si < 5%	10b	●●● 3/3
		Si > 5%	10c	○○ 0/3
Synthetic materials	Engineering plastics	Thermoplastic	11a	●●● 3/3
		Thermoset	11b	●●● 3/3
Composite materials	Reinforced composites	Glass fiber / GFK	12a	●○ 1/3
		Carbon fiber / KFK	12b	●○ 1/3
Precious metals	Gold, platinum, silver	Gold	13a	●●● 3/3
		Platinum	13b	○○ 0/3

TECHNICAL DRAWING



DIMENSIONS

NOMINAL DIMENSIONS	
D (0 / -0.01)	0.4 mm
d (h5)	6 mm
L	33 mm
l1	2 mm
l3	–
d3	–
R	–
e	–
Z	3
Chamfer K	0
w° collision angle	11.4°



E-SHOP / EZI CUT
eskenazi.ch/eshop/24038-0.4

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