

FRAISE-MULTI-USAGE-MD-E25UF-+-EZI-ALPHA-POUR-MICRO-MACHINE · MULTI-USE-ENDMILL-SC-E25UF-+-EZI-ALPHA-FOR-MICRO-MACHINE · FRÄSER-MULTI-VERWENDUNG-HM-E25UF-+-EZI-ALPHA-FÜR-MIKROMASCHINE



SWISS MADE

23750A-90-1.0 Version 11.09.2026

E2

SUBMICRON GRAIN GRADE
HIGH-SPEED MACHINING
OF ABRASIVE MATERIALS

$\lambda=35^\circ$

HELIX ANGLE 35°

90°

POINT ANGLE 90°

SIDE AND CENTER CUT

l_1
2xD

CUTTING EDGE LENGTH
2xD

FITTING LENGTH STANDARD

MATERIAL COMPATIBILITY

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

Product material compatibility				
CATEGORY	MATERIAL	SPECIFICATION	GRP	23750A-90-1.0
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	○○○ 0/3
		> 32 HRC	4b	○○○ 0/3
Graphite Industrial graphite			5	●●● 3/3
Cast iron Grey / nodular cast iron		< 32 HRC	6a	●●● 3/3
		> 32 HRC	6b	●●● 3/3
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	○○○ 0/3
		Rm > 1000 N/mm ²	8b	○○○ 0/3
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	●●○ 2/3
		0.5% < Si < 5%	10b	●●○ 2/3
		Si > 5%	10c	●●● 3/3
Synthetic materials Engineering plastics		Thermoplastic	11a	●○○ 1/3
		Thermoset	11b	●○○ 1/3
Composite materials Reinforced composites		Glass fiber / GFK	12a	●●● 3/3
		Carbon fiber / KFK	12b	●●● 3/3
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)	3 mm
L	28 mm
l1	2 mm
l3	–
d3	–
R	0.1 mm
e	–
Z	2
Chamfer K	–
w° collision angle	9.3°



ESUP / EZI CUT

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eshop / E21001
eskenazi.ch/eshop/23750A-90-1.0

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