MICRO-FRAISE **Z2** · MICRO-ENDMILL **Z2** · MICRO-FRÄSER **Z2**

21031A-0.8 Version 07.05.2026

SWISS MADE

E25 UF — CARBIDE TOOL MATERIAL E25 UF

λ =35° Y=10° — CUTTING ANGLES ?35° ? 10°

angle vif — ACUTE ANGLE PRECISION TOOL

DUAL DIRECTION HELICAL DRILL BIT

l1 1.5xD — 1.5XD DEPTH PRECISION TOOL

STANDARD TOOL WEAR INDICATOR

MATERIAL COMPATIBILITY

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

MATERIAL	SPECIFICATION	GRP	21031A-0.8
Alloyed and non-alloyed steels Non-alloyed steels	Rm < 450 N/mm²	1a	●●○
	Rm 450–700 N/mm²	1b	●●○
	Rm 700–900 N/mm²	1c	●●○
	Rm > 1200 N/mm²	1d	●○○
Stainless steels Stainless steels	Rm < 650 N/mm²	2a	●●○
	Rm 650–950 N/mm²	2b	●●○
	Rm > 950 N/mm²	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/mm²	7a	●●○
	600 < Rm N/mm²	7b	●●○
Nickel alloys Inconel, Hastelloy	Rm < 1000 N/mm²	8a	●○○
	Rm > 1000 N/mm²	8b	●○○
Copper, brass, bronze Copper-based	Rm < 850 N/mm²	9a	●●○
	Rm > 850 N/mm²	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

21031 MICRO

DIMENSIONS

NOMINAL DIMENSIONS	
D (0 / -0.01)	0.8 mm
d (h5)	3 mm
L	38 mm
l1	1.2 mm
l3	–
d3	–
R	–
e	–
Z	2
Chamfer K	-
w° collision	10.7°

E-SHOP / EZI CUT
eskenazi.ch/eshop/21031A-0.8