MICRO-FRAISE-HÉMISPHÉRIQUE **Z2** · BALL-NOSE-MICRO-ENDMILL **Z2** · MICRO-FRÄSER-HALBRUND **Z2**

21082D-0.9 Version 07.05.2026

SWISS MADE

E25 UF	λ =30° Y=10°			l3 8xD	
CARBIDE TOOL MATERIAL E25 UF	CUTTING ANGLES ?30° ? 10°	V-GROOVE CHAMFER TOOL SHAPE	DUAL DIRECTION HELICAL DRILL BIT	8XD LENGTH L3 CUTTING TOOL	TOOL LENGTH MEASUREMENT BARS

MATERIAL COMPATIBILITY

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

MATERIAL	SPECIFICATION	GRP	21082D-0.9
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

21082 MICRO

DIMENSIONS

NOMINAL DIMENSIONS	
D (0 / -0.01)	0.9 mm
d (h5)	3 mm
L	38 mm
l1	2.5 mm
l3	–
d3	–
R	0.45 mm
e	–
Z	2
Chamfer K	-
w° collision	8.8°

E-SHOP / EZI CUT
eskenazi.ch/eshop/21082D-0.9