MICRO-FRAISE **Z3** · MICRO-ENDMILL **Z3** · MICRO-FRÄSER **Z3**

21046A-0.8 Version 07.05.2026

SWISS MADE

E25 UF — CARBIDE TOOL MATERIAL E25 UF

λ=30°-35° Y=8° — CUTTING ANGLES ?30°-35° ?8°

D/40 45° — 45° CHAMFER D/40 PRECISION TOOL

DUAL DIRECTION HELICAL DRILL BIT

l1 1.5xD — 1.5XD DEPTH PRECISION TOOL

SHORT LENGTH TOOL WEAR BARS

ADJUSTABLE ANGLE ICON

λ2 λ1 — VARIABLE HELIX DRILL BIT

MATERIAL COMPATIBILITY

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

MATERIAL	SPECIFICATION	GRP	21046A-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

21046 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	3
Chamfer K	0.02
w° collision	10.7°

E-SHOP / EZI CUT
eskenazi.ch/eshop/21046A-0.8