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

21203C-2.0 Version 07.08.2026

SWISS MADE

2	38	3
Ø D (MM)	L (MM)	Z

MATERIAL COMPATIBILITY

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

MATERIAL	SPECIFICATION	GRP	21203C-2.0
Alloyed and non-alloyed steels Non-alloyed steels	Rm < 450 N/mm²	1a	○○○ 0/3
	Rm 450–700 N/mm²	1b	○○○ 0/3
	Rm 700–900 N/mm²	1c	○○○ 0/3
	Rm > 1200 N/mm²	1d	○○○ 0/3
Stainless steels Stainless steels	Rm < 650 N/mm²	2a	○○○ 0/3
	Rm 650–950 N/mm²	2b	○○○ 0/3
	Rm > 950 N/mm²	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	●○○ 1/3
	> 32 HRC	4b	●○○ 1/3
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/mm²	7a	●●○ 2/3
	600 < Rm N/mm²	7b	●●○ 2/3
Nickel alloys Inconel, Hastelloy	Rm < 1000 N/mm²	8a	○○○ 0/3
	Rm > 1000 N/mm²	8b	○○○ 0/3
Copper, brass, bronze Copper-based	Rm < 850 N/mm²	9a	●●● 3/3
	Rm > 850 N/mm²	9b	●●● 3/3
Aluminum Aluminum alloys	Si < 0.5%	10a	●●● 3/3
	0.5% < Si < 5%	10b	●●● 3/3
	Si > 5%	10c	●●○ 2/3
Synthetic materials Engineering plastics	Thermoplastic	11a	●●● 3/3
	Thermoset	11b	●●○ 2/3
Composite materials Reinforced composites	Glass fiber / GFK	12a	●●○ 2/3
	Carbon fiber / KFK	12b	●●○ 2/3
Precious metals Gold, platinum, silver	Gold	13a	●●● 3/3
	Platinum	13b	●●○ 2/3

TECHNICAL DRAWING

DIMENSIONS

NOMINAL DIMENSIONS	
D (0 / -0.01)	2 mm
d (h5)	3 mm
L	38 mm
l1	7 mm
l3	–
d3	–
R	–
e	–
Z	3
Chamfer K	-
w° collision	3.3°

E-SHOP / EZI CUT
eskenazi.ch/eshop/21203C-2.0