FRAISE **Z3** · ENDMILL **Z3** · FRÄSER **Z3**

21065-1.2 Version 07.05.2026

SWISS MADE

E2 HIGH PRECISION TOOL MATERIAL

λ=45°-47° Y=15° CUTTING ANGLES ? 45°-47° Y 15°

ACUTE ANGLE 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	21065-1.2
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

21065 MICRO

DIMENSIONS

NOMINAL DIMENSIONS	
D (0 / -0.01)	1.2 mm
d (h5)	3 mm
L	38 mm
l1	2.5 mm
l3	–
d3	–
R	–
e	–
Z	3
Chamfer K	-
w° collision	8.3°

E-SHOP / EZI CUT
eskenazi.ch/eshop/21065-1.2

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