

MICRO-FRAISE-D'ÉBAUCHE Z3 · ROUGHING-MICRO-ENDMILL Z3 · MIKROSCHRUPPFRÄSER Z3



29510A-1-4

Version 07.05.2026

SWISS MADE

E25
UF

CARBIDE TOOL
MATERIAL E25 UF

$\lambda = 20^\circ$
 $\gamma = 6^\circ$

CUTTING ANGLES $\lambda 20^\circ$?
 $\gamma 6^\circ$

45°

45° PRECISION ANGLE
MEASUREMENT



DUAL DIRECTION
HELICAL DRILL BIT

h₁
2.5xD

2.5xD DEPTH FOR
DRILLING



STANDARD TOOL WEAR
INDICATOR

MATERIAL COMPATIBILITY

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

MATERIAL	SPECIFICATION	GRP	29510A-1-4
Alloyed and non-alloyed steels Non-alloyed steels	Rm < 450 N/mm ²	1a	●●●
	Rm 450–700 N/mm ²	1b	●●●
	Rm 700–900 N/mm ²	1c	●●●
	Rm > 1200 N/mm ²	1d	●○○
Stainless steels Stainless steels	Rm < 650 N/mm ²	2a	●●●
	Rm 650–950 N/mm ²	2b	●●●
	Rm > 950 N/mm ²	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/mm ²	7a	●●●
	600 < Rm N/mm ²	7b	●●●
Nickel alloys Inconel, Hastelloy	Rm < 1000 N/mm ²	8a	●●○
	Rm > 1000 N/mm ²	8b	●●○
Copper, brass, bronze Copper-based	Rm < 850 N/mm ²	9a	●●●
	Rm > 850 N/mm ²	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



DIMENSIONS

NOMINAL DIMENSIONS

D (0 / -0.01)	1 mm
d (h5)	4 mm
L	50 mm
l ₁	2.5 mm
l ₃	–
d ₃	–
R	–
e	–
Z	3
Chamfer K	0.15
w° collision	9.8°



E-SHOP / EZI CUT
eskenazi.ch/eshop/29510A-1-4

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