

FRAISE-À-REDRESSER Z3 · ENDMILL-TO-RAISE Z3 · FRÄSER-ZUM-AUFRICHTEN Z3



21063A-7.9

Version 07.05.2026

SWISS MADE

E2 E2 HIGH PRECISION TOOL MATERIAL	$\lambda=30^{\circ}\text{-}35^{\circ}$ $\gamma=8^{\circ}$ CUTTING ANGLES $\gamma 30^{\circ}\text{-}35^{\circ}$ $\gamma 8^{\circ}$	$\phi < 6$ $\phi > 6$ 90° 45° CHAMFER $\phi < 6$ $\phi > 6$ 90° 45°	 DUAL DIRECTION HELICAL DRILL BIT	l_1 1.5xD 1.5XD DEPTH PRECISION TOOL	l_3 THREE-POINT CONTACT TOOL	 STANDARD TOOL WEAR INDICATOR	$\lambda 2$ $\lambda 1$ VARIABLE HELIX DRILL BIT
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MATERIAL COMPATIBILITY

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

MATERIAL	SPECIFICATION	GRP	21063A-7.9
Alloyed and non-alloyed steels Non-alloyed steels	$R_m < 450 \text{ N/mm}^2$	1a	●●●
	$R_m 450\text{--}700 \text{ N/mm}^2$	1b	●●●
	$R_m 700\text{--}900 \text{ N/mm}^2$	1c	●●●
	$R_m > 1200 \text{ N/mm}^2$	1d	●●●
Stainless steels Stainless steels	$R_m < 650 \text{ N/mm}^2$	2a	●●●
	$R_m 650\text{--}950 \text{ N/mm}^2$	2b	●●●
	$R_m > 950 \text{ N/mm}^2$	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	$R_m < 600 \text{ N/mm}^2$	7a	●●●
	$600 < R_m \text{ N/mm}^2$	7b	●●●
Nickel alloys Inconel, Hastelloy	$R_m < 1000 \text{ N/mm}^2$	8a	●●●
	$R_m > 1000 \text{ N/mm}^2$	8b	●●●
Copper, brass, bronze Copper-based	$R_m < 850 \text{ N/mm}^2$	9a	●●○
	$R_m > 850 \text{ N/mm}^2$	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)	7.9 mm
d (h5)	8 mm
L	63 mm
l1	9 mm
l3	26 mm
d3	–
R	–
e	–
Z	3
Chamfer K	0.1
w° collision	0.1°



E-SHOP / EZI CUT
eskenazi.ch/eshop/21063A-7.9