

FRAISE-DE-FINITION-MD-E2+-EZI-ALPHA+L3 Z4 · ENDMILL Z4 · FRÄSER Z4



21115A-4-6

Version 07.05.2026

SWISS MADE

<p>E2 E2 HIGH PRECISION TOOL MATERIAL</p>	<p>$\lambda=35^{\circ}-38^{\circ}$ $Y=10^{\circ}$ CUTTING ANGLES 735-38° 710°</p>	<p>$\phi < 6$ $\phi > 6$ 90° 45° CHAMFER $\phi < 6$ $\phi > 6$ 90° 45°</p>	<p>DUAL DIRECTION HELICAL DRILL BIT</p>	<p>1.5xD 1.5XD DEPTH PRECISION TOOL</p>	<p>I3 THREE-POINT CONTACT TOOL</p>	<p>EXTRA LONG PRECISION DRILL BITS</p>	<p>ADJUSTABLE ANGLE ICON</p>	<p>VARIABLE HELIX DRILL BIT</p>
--	---	--	---	---	--	--	------------------------------	---------------------------------

MATERIAL COMPATIBILITY

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

MATERIAL	SPECIFICATION	GRP	21115A-4-6
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)	4 mm
d (h5)	6 mm
L	68 mm
l1	6 mm
l3	33 mm
d3	–
R	–
e	–
Z	4
Chamfer K	0.1
w° collision	1.6°



E-SHOP / EZI CUT
eskenazi.ch/eshop/21115A-4-6