

FRAISE-PROFIL-ÉBAUCHE-MD-E25UF-+-EZI-ALPHA,- VERSION-COURTE · ROUGHIN-ENDMILL-SC-E2-+-EZI- ALPHA,-SHORT-VERSION · SCHAFT-SCHRUPPFÄSER- HM-E25UF-+-EZI-ALPHA,-KURTZE-VERSION



SWISS MADE

21520A-2 Version 21.06.2026

<p>E2 E2 HIGH PRECISION TOOL MATERIAL</p>	<p>$\lambda = 30^\circ$ $\gamma = 3^\circ$ CUTTING ANGLES $\approx 30^\circ$ / 3°</p>	<p>45° 45° PRECISION ANGLE MEASUREMENT</p>	<p>DUAL DIRECTION HELICAL DRILL BIT</p>	<p>1.5xD 1.5xD DEPTH PRECISION TOOL</p>	<p>SHORT LENGTH TOOL WEAR BARS</p>
---	--	--	---	---	--

MATERIAL COMPATIBILITY

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

MATERIAL	SPECIFICATION	GRP	21520A-2
Alloyed and non-alloyed steels <small>Non-alloyed steels</small>	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 <small>Stainless steels</small>	Rm < 650 N/mm ²	2a	●●●
	Rm 650–950 N/mm ²	2b	●●●
	Rm > 950 N/mm ²	2c	●●●
Hardened steels <small>Hardened steels</small>	44–56 HRC	3a	○○○
	57–67 HRC	3b	○○○
Exotic materials <small>Special alloys</small>	< 32 HRC	4a	●○
	> 32 HRC	4b	●○
Graphite <small>Industrial graphite</small>		5	○○○
Cast iron <small>Grey / nodular cast iron</small>	< 32 HRC	6a	●●●
	> 32 HRC	6b	●●●
Titanium <small>Titanium alloys</small>	Rm < 600 N/mm ²	7a	●●●
	600 < Rm N/mm ²	7b	●○
Nickel alloys <small>Inconel, Hastelloy</small>	Rm < 1000 N/mm ²	8a	●○
	Rm > 1000 N/mm ²	8b	●○
Copper, brass, bronze <small>Copper-based</small>	Rm < 850 N/mm ²	9a	●●●
	Rm > 850 N/mm ²	9b	●●●
Aluminum <small>Aluminum alloys</small>	Si < 0.5%	10a	○○○
	0.5% < Si < 5%	10b	○○○
	Si > 5%	10c	○○○
Synthetic materials <small>Engineering plastics</small>	Thermoplastic	11a	○○○
	Thermoset	11b	○○○
Composite materials <small>Reinforced composites</small>	Glass fiber / GFK	12a	○○○
	Carbon fiber / KFK	12b	○○○
Precious metals <small>Gold, platinum, silver</small>	Gold	13a	●●●
	Platinum	13b	●○

TECHNICAL DRAWING



DIMENSIONS

NOMINAL DIMENSIONS	
D (0 / -0.01)	2 mm
d (h5)	3 mm
L	38 mm
l1	3 mm
l3	–
d3	–
R	–
e	–
Z	3
Chamfer K	0.15
w° collision	5.8°



E-SHOP / EZI CUT
eskenazi.ch/eshop/21520A-2