

FRAISE-DE-FINITION-LONGUE-MD-E2 · FINISHING- ENDMILL-LONG-SC-E2 · SCHLICHTFRÄSER-LANG-HM-E2



21145-6

Version 22.06.2026

SWISS MADE

E2 E2 HIGH PRECISION TOOL MATERIAL	$\lambda = 45^\circ$ $\gamma = 8^\circ$ CUTTING ANGLES $\gamma 45^\circ ?$ 8°	$\phi < 6$ $\phi > 6$ 90° 45° CHAMFER $\phi < 6$ $\phi > 6$ 90° 45°	 LATERAL CUTTING TWIST DRILL BIT	l_3 8xD 8XD LENGTH L3 CUTTING TOOL	 EXTRA LONG PRECISION DRILL BITS
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MATERIAL COMPATIBILITY

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

MATERIAL	SPECIFICATION	GRP	21145-6
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)	6 mm
d (h5)	6 mm
L	68 mm
l	26 mm
l ₃	–
d ₃	–
R	–
e	–
Z	6
Chamfer K	–
w° collision	–



E-SHOP / EZI CUT
eskenazi.ch/eshop/21145-6

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