FRAISE-DE-FINITION-MD-E25UF-+-EZI-DUR · FINISHING-ENDMILL-SC-E2-+-EZI-DUR · SCHLICHTFRÄSER-HM-E2-+-EZI-DUR

21144X-3 Version 11.09.2026

SWISS MADE

E2
SUBMICRON GRAIN GRADE HIGH-SPEED MACHINING OF ABRASIVE MATERIALS

λ = 45°
Y = 8°
HELIX ANGLE 45° AND CUTTING ANGLE 8°

Ø≤6 90° Ø>6 45°
SHARP EDGE Ø≤6 AND CHAMFER AT 45° Ø>6

SIDE AND CENTER CUT

l1 3xD
CUTTING EDGE LENGTH 3XD

FITTING LENGTH LONG

MATERIAL COMPATIBILITY

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

Product material compatibility

CATEGORY	MATERIAL	SPECIFICATION	GRP	21144X-3
	Alloyed and non-alloyed steels Non-alloyed steels	Rm < 450 N/mm²	1a	●●○ 2/3
		Rm 450–700 N/mm²	1b	●●○ 2/3
		Rm 700–900 N/mm²	1c	●●○ 2/3
		Rm > 1200 N/mm²	1d	●●○ 2/3
	Stainless steels Stainless steels	Rm < 650 N/mm²	2a	●●○ 2/3
		Rm 650–950 N/mm²	2b	●●○ 2/3
		Rm > 950 N/mm²	2c	●●○ 2/3
	Hardened steels Hardened steels	44–56 HRC	3a	●●● 3/3
		57–67 HRC	3b	●●● 3/3
	Exotic materials Special alloys	< 32 HRC	4a	●●● 3/3
		> 32 HRC	4b	●●● 3/3
	Graphite Industrial graphite		5	●○○ 1/3
	Cast iron Grey / nodular cast iron	< 32 HRC	6a	●●○ 2/3
		> 32 HRC	6b	●●○ 2/3
	Titanium Titanium alloys	Rm < 600 N/mm²	7a	●●○ 2/3
		600 < Rm N/mm²	7b	●●○ 2/3
	Nickel alloys Inconel, Hastelloy	Rm < 1000 N/mm²	8a	●●● 3/3
		Rm > 1000 N/mm²	8b	●●● 3/3
	Copper, brass, bronze Copper-based	Rm < 850 N/mm²	9a	○○○ 0/3
		Rm > 850 N/mm²	9b	○○○ 0/3
	Aluminum Aluminum alloys	Si < 0.5%	10a	●○○ 1/3
		0.5% < Si < 5%	10b	●○○ 1/3
		Si > 5%	10c	●●○ 2/3
	Synthetic materials Engineering plastics	Thermoplastic	11a	○○○ 0/3
		Thermoset	11b	○○○ 0/3
	Composite materials Reinforced composites	Glass fiber / GFK	12a	●○○ 1/3
		Carbon fiber / KFK	12b	●○○ 1/3
	Precious metals Gold, platinum, silver	Gold	13a	●○○ 1/3
		Platinum	13b	●○○ 1/3

TECHNICAL DRAWING

21144

DIMENSIONS

NOMINAL DIMENSIONS	
D (0 / -0.01)	3 mm
d (h5)	3 mm
L	38 mm
l1	11 mm
l3	–
d3	–
R	–
e	–
Z	6
Chamfer K	-
w° collision angle	-

E-SHOP / EZI CUT
eskenazi.ch/eshop/21144X-3