

FRAISE-TORIQUE-MD-E2-+-EZI-ALPHA · TORIC-
ENDMILL-MD-E2-+-EZI-ALPHA · TORISCHE-FRÄSE-HM-
E2-+-EZI-ALPHA



SWISS MADE

21372A-12-R1.5

Version 11.09.2026

E2
SUBMICRON GRAIN
GRADE HIGH-
SPEED MACHINING
OF ABRASIVE
MATERIALS

$\lambda=32^{\circ}-38^{\circ}$
 $\gamma=10^{\circ}$
VARIABLE HELIX
ANGLES 32° - 38°
AND CUTTING
ANGLE 10°

CORNER RADIUS
SHAPE

SIDE AND CENTER
CUT

$2.2 \times D$
CUTTING EDGE
LENGTH 2.2xD

FITTING LENGTH
STANDARD

IRREGULAR
TOOTHINGS

λ_2
 λ_1
VARIABLE HELIX
ANGLES

MATERIAL COMPATIBILITY

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

Product material compatibility				
CATEGORY	MATERIAL	SPECIFICATION	GRP	21372A-12-R1.5
Alloyed and non-alloyed steels	Non-alloyed steels	Rm < 450 N/mm²	1a	●●● 3/3
		Rm 450-700 N/mm²	1b	●●● 3/3
		Rm 700-900 N/mm²	1c	●●● 3/3
		Rm > 1200 N/mm²	1d	●●○ 2/3
Stainless steels	Stainless steels	Rm < 650 N/mm²	2a	●●● 3/3
		Rm 650-950 N/mm²	2b	●●● 3/3
		Rm > 950 N/mm²	2c	●●● 3/3
Hardened steels	Hardened steels	44-56 HRC	3a	●●○ 2/3
		57-67 HRC	3b	●○○ 1/3
Exotic materials	Special alloys	< 32 HRC	4a	●○○ 1/3
		> 32 HRC	4b	●○○ 1/3
Graphite	Industrial graphite		5	●●○ 2/3
Cast iron	Grey / nodular cast iron	< 32 HRC	6a	●●● 3/3
		> 32 HRC	6b	●●● 3/3
Titanium	Titanium alloys	Rm < 600 N/mm²	7a	●●○ 2/3
		600 < Rm N/mm²	7b	●●● 3/3
Nickel alloys	Inconel, Hastelloy	Rm < 1000 N/mm²	8a	●○○ 1/3
		Rm > 1000 N/mm²	8b	●○○ 1/3
Copper, brass, bronze	Copper-based	Rm < 850 N/mm²	9a	●○○ 1/3
		Rm > 850 N/mm²	9b	●○○ 1/3
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	●○○ 1/3
		Thermoset	11b	●○○ 1/3
Composite materials	Reinforced composites	Glass fiber / GFK	12a	●●○ 2/3
		Carbon fiber / KFK	12b	●●○ 2/3
Precious metals	Gold, platinum, silver	Gold	13a	●●○ 2/3
		Platinum	13b	●○○ 1/3

TECHNICAL DRAWING



DIMENSIONS

NOMINAL DIMENSIONS	
D (0 / -0.01)	12 mm
d (h5)	12 mm
L	83 mm
l1	26 mm
l3	-
d3	-
R	1.5 mm
e	-
Z	3
Chamfer K	-
w° collision angle	-



E-SHOP / EZI CUT
eskenazi.ch/eshop/21372A-12-R1.5

