

FRAISE-PROFIL-ÉBAUCHE-MD-E2-+-EZI-+-AL-EZI-+L3 ·
ROUGHIN-ENDMILL-SC-E2-+-AL-EZI · SCHAFT-
SCHRUPPFRÄSE-HM-E2-+-AL-EZI



SWISS MADE

21602H-16 Version 10.09.2026

E2

SUBMICRON GRAIN
GRADE HIGH-SPEED
MACHINING OF
ABRASIVE MATERIALS

$\lambda = 40^\circ$
 $\gamma = 18^\circ$

VARIABLE HELIX
ANGLES 40° AND
CUTTING ANGLE 18°

45°

CHAMFER AT 45°

SIDE AND CENTER CUT

l_1
2.2xD

CUTTING EDGE
LENGTH 2.2XD

l_3

CUTTING LENGTH

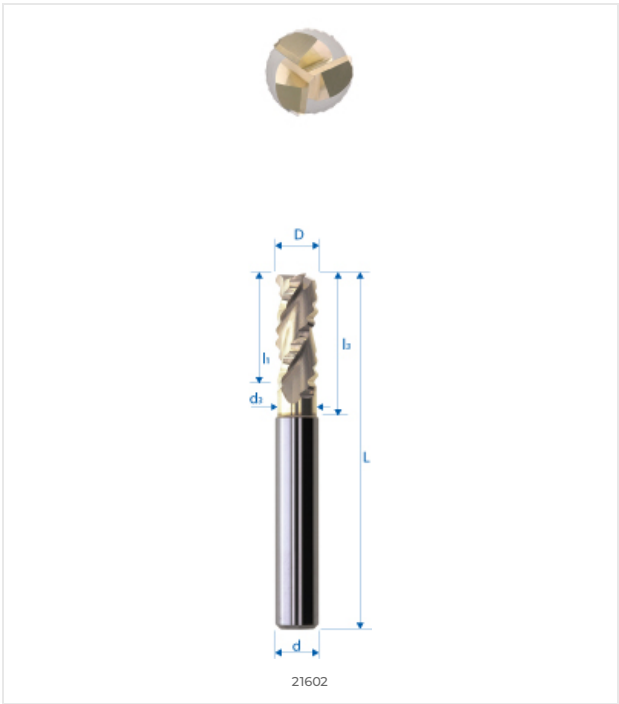
FITTING LENGTH
STANDARD

MATERIAL COMPATIBILITY

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

Product material compatibility				
CATEGORY	MATERIAL	SPECIFICATION	GRP	21602H-16
	Alloyed and non-alloyed steels			
	Non-alloyed steels	Rm < 450 N/mm ²	1a	○○○ 0/3
		Rm 450–700 N/mm ²	1b	○○○ 0/3
		Rm 700–900 N/mm ²	1c	○○○ 0/3
		Rm > 1200 N/mm ²	1d	○○○ 0/3
	Stainless steels			
	Stainless steels	Rm < 650 N/mm ²	2a	○○○ 0/3
		Rm 650–950 N/mm ²	2b	○○○ 0/3
		Rm > 950 N/mm ²	2c	○○○ 0/3
	Hardened steels			
	Hardened steels	44–56 HRC	3a	○○○ 0/3
		57–67 HRC	3b	○○○ 0/3
	Exotic materials			
	Special alloys	< 32 HRC	4a	○○○ 0/3
		> 32 HRC	4b	○○○ 0/3
	Graphite			
	Industrial graphite		5	○○○ 0/3
	Cast iron			
	Grey / nodular cast iron	< 32 HRC	6a	○○○ 0/3
		> 32 HRC	6b	○○○ 0/3
	Titanium			
	Titanium alloys	Rm < 600 N/mm ²	7a	○○○ 0/3
		600 < Rm N/mm ²	7b	○○○ 0/3
	Nickel alloys			
	Inconel, Hastelloy	Rm < 1000 N/mm ²	8a	○○○ 0/3
		Rm > 1000 N/mm ²	8b	○○○ 0/3
	Copper, brass, bronze			
	Copper-based	Rm < 850 N/mm ²	9a	●●● 3/3
		Rm > 850 N/mm ²	9b	●●● 3/3
	Aluminum			
	Aluminum alloys	Si < 0.5%	10a	●●● 3/3
		0.5% < Si < 5%	10b	●●● 3/3
		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	○○○ 0/3
		Carbon fiber / KFK	12b	○○○ 0/3
	Precious metals			
	Gold, platinum, silver	Gold	13a	○○○ 0/3
		Platinum	13b	○○○ 0/3

TECHNICAL DRAWING



DIMENSIONS

NOMINAL DIMENSIONS	
D (0 / -0.01)	16 mm
d (h5)	16 mm
L	92 mm
l1	32 mm
l3	43 mm
d3	–
R	–
e	–
Z	3
Chamfer K	0.6
w° collision angle	–



E-SHOP / EZI CUT
eskenazi.ch/eshop/21602H-16

