FRAISE **Z3** AVEC ARROSAGE CENTRAL · ENDMILL **Z3** WITH INTERNAL COOLING · FRÄSER **Z3** MIT INNENKÜHLUNG

28033A-4-6 Version 04.11.2026

SWISS MADE

E25 UF
ULTRAFINE GRADE HIGH-END GRADE WITH VERY HIGH HARDNESS AND TOUGHNESS FOR MICRO-MACHINING

angle vif
SHARP EDGE

SIDE AND CENTER CUT

l1 1.2xD
CUTTING EDGE LENGTH 1.2XD

l3 3xD
CUTTING LENGTH 3XD

FITTING LENGTH STANDARD

IRREGULAR TOOTHING

λ2 λ1
VARIABLE HELIX ANGLES

MATERIAL COMPATIBILITY

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

Product material compatibility

CATEGORY	MATERIAL	SPECIFICATION	GRP	28033A-4-6
	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	●●● 3/3
	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	●●○ 2/3
		> 32 HRC	4b	●●○ 2/3
	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	●●● 3/3
		600 < Rm N/mm²	7b	●●● 3/3
	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	●●● 3/3
		Rm > 850 N/mm²	9b	●●● 3/3
	Aluminum Aluminum alloys	Si < 0.5%	10a	●●○ 2/3
		0.5% < Si < 5%	10b	●●○ 2/3
		Si > 5%	10c	●●○ 2/3
	Synthetic materials Engineering plastics	Thermoplastic	11a	●●○ 2/3
		Thermoset	11b	●●○ 2/3
	Composite materials Reinforced composites	Glass fiber / GFK	12a	●●○ 2/3
		Carbon fiber / KFK	12b	●●○ 2/3
	Precious metals Gold, platinum, silver	Gold	13a	●●● 3/3
		Platinum	13b	●●○ 2/3

TECHNICAL DRAWING



DIMENSIONS

NOMINAL DIMENSIONS	
D (h10)	4 mm
d (h6)	6 mm
L	57 mm
l1	5 mm
l3	12 mm
d3	–
R	–
e	–
Z	3
Chamfer K	-
w° collision angle	3.7°

E-SHOP / EZI CUT
eskenazi.ch/eshop/28033A-4-6

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