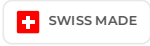


MICRO-FORET-Z:2-AVEC-ARROSAGE-CENTRAL-MD-E25-UF-+-EZI-SMOOTH-D:1.8-D:3-L:50-L2:22-L3:24 · MICRO-FLUTES-DRILL-Z:2-WITH-THROUGH-COOLANT-CARBIDE-E25-UF-+-COATING-EZI-SMOOTH-D:1.8-D:3-L:50-L2:22-L3:24 · MIKRO-BOHRER-Z:2-MIT-INNENKÜHLUNG-HM-E25-UF-+-BESCHICHTUNG-EZI-SMOOTH-D:1.8-D:3-L:50-L2:22-L3:24



48480S-1.80 Version 10.09.2026



SUBMICRON GRAIN GRADE HIGH-SPEED MACHINING OF ABRASIVE MATERIALS



HELIX ANGLE 30°



POINT ANGLE 135°



FITTING LENGTH LONG



INTERNAL COOLING

MATERIAL COMPATIBILITY

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

Product material compatibility

CATEGORY	MATERIAL	SPECIFICATION	GRP	48480S-1.80
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	●○○ 1/3
		57–67 HRC	3b	○○○ 0/3
Exotic materials	Special alloys	< 32 HRC	4a	●●● 3/3
		> 32 HRC	4b	●●● 3/3
Graphite	Industrial graphite		5	●●● 3/3
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	●●○ 2/3
		Rm > 1000 N/mm²	8b	●●○ 2/3
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	●●● 3/3
		0.5% < Si < 5%	10b	●●● 3/3
		Si > 5%	10c	●●● 3/3
Synthetic materials	Engineering plastics	Thermoplastic	11a	●●● 3/3
		Thermoset	11b	●●● 3/3
Composite materials	Reinforced composites	Glass fiber / GFK	12a	●●● 3/3
		Carbon fiber / KFK	12b	●●● 3/3
Precious metals	Gold, platinum, silver	Gold	13a	●●● 3/3
		Platinum	13b	●●○ 2/3

TECHNICAL DRAWING



DIMENSIONS

NOMINAL DIMENSIONS	
D (0 / -0.01)	1.8 mm
d (h5)	3 mm
L	55 mm
l1	16 mm
l3	24 mm
d3	–
R	–
e	–
Z	2
Chamfer K	–
w° collision angle	1.4°



E-SHOP / EZI CUT
eskenazi.ch/eshop/48480S-1.80

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