ALÉSOIR MD E2S + TROU D'ARROSAGE · REAMER SC E2S + INTERNAL COOLING · REIBAHLEN HM E2S + COOLING

47480S-5 H7 Version 04.11.2026

SWISS MADE

E2
SUBMICRON GRAIN GRADE HIGH-SPEED MACHINING OF ABRASIVE MATERIALS

λ =-5°
Y= 5°
HELIX ANGLE -5° AND CUTTING ANGLE 5°

INTERNAL COOLING

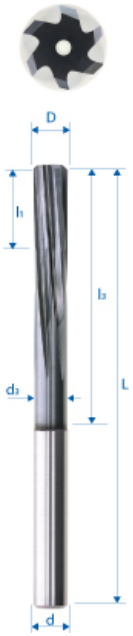
MATERIAL COMPATIBILITY

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

Product material compatibility

CATEGORY	MATERIAL	SPECIFICATION	GRP	47480S-5 H7
	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	●●○ 2/3
	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	●●● 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	●●● 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



47480

DIMENSIONS

NOMINAL DIMENSIONS	
D (H7)	5 mm
d (h6)	5 mm
L	100 mm
l1	15 mm
l3	50 mm
d3	–
R	–
e	–
Z	4
Chamfer K	0.5
w° collision angle	-

E-SHOP / EZI CUT
eskenazi.ch/eshop/47480S-5 H7

© 2026 Eskenazi SA — Carouge, Genève
All rights reserved