

# FRAISE-A-FILETER-M2-MD-E2-+-REVETEMENT-EZI- ALPHA-3 · THREADING-CUTTER-M2-CARBIDE-E2-+- COATING-EZI-ALPHA-3 · GEWINDEFÄSBOHRER-M2- HM-E2-+-BESCHICHTUNG-EZI-ALPHA-3



SWISS MADE

49380A-M2

Version 07.05.2026

E2

E2 HIGH PRECISION TOOL MATERIAL



CENTRAL COOLANT DRILL BIT

## MATERIAL COMPATIBILITY

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

MATERIAL	SPECIFICATION	GRP	49380A-M2
<b>Alloyed and non-alloyed steels</b> Non-alloyed steels	Rm < 450 N/mm <sup>2</sup>	1a	●●●
	Rm 450–700 N/mm <sup>2</sup>	1b	●●●
	Rm 700–900 N/mm <sup>2</sup>	1c	●●●
	Rm > 1200 N/mm <sup>2</sup>	1d	●●●
<b>Stainless steels</b> Stainless steels	Rm < 650 N/mm <sup>2</sup>	2a	●●●
	Rm 650–950 N/mm <sup>2</sup>	2b	●●●
	Rm > 950 N/mm <sup>2</sup>	2c	●●●
<b>Hardened steels</b> Hardened steels	44–56 HRC	3a	●●○
	57–67 HRC	3b	●○○
<b>Exotic materials</b> Special alloys	< 32 HRC	4a	●●○
	> 32 HRC	4b	●●○
<b>Graphite</b> Industrial graphite		5	●●○
<b>Cast iron</b> Grey / nodular cast iron	< 32 HRC	6a	●●●
	> 32 HRC	6b	●●●
<b>Titanium</b> Titanium alloys	Rm < 600 N/mm <sup>2</sup>	7a	●●●
	600 < Rm N/mm <sup>2</sup>	7b	●●●
<b>Nickel alloys</b> Inconel, Hastelloy	Rm < 1000 N/mm <sup>2</sup>	8a	●●○
	Rm > 1000 N/mm <sup>2</sup>	8b	●●○
<b>Copper, brass, bronze</b> Copper-based	Rm < 850 N/mm <sup>2</sup>	9a	●●●
	Rm > 850 N/mm <sup>2</sup>	9b	●●●
<b>Aluminum</b> Aluminum alloys	Si < 0.5%	10a	●●●
	0.5% < Si < 5%	10b	●●●
	Si > 5%	10c	●●○
<b>Synthetic materials</b> Engineering plastics	Thermoplastic	11a	●●●
	Thermoset	11b	●●●
<b>Composite materials</b> Reinforced composites	Glass fiber / GFK	12a	●●●
	Carbon fiber / KFK	12b	●●●
<b>Precious metals</b> Gold, platinum, silver	Gold	13a	●●●
	Platinum	13b	●●○

## TECHNICAL DRAWING



## DIMENSIONS

### NOMINAL DIMENSIONS

D (0 / -0.01)	1.3 mm
d (h5)	3 mm
L	38 mm
l1	3.2 mm
l3	0.235 mm
d3	-
R	0.4 mm
e	8 mm
Z	3
Chamfer K	-
w° collision	12.4°



E-SHOP / EZI CUT  
[eskenazi.ch/eshop/49380A-M2](https://eskenazi.ch/eshop/49380A-M2)