

# FRAISE-A-FILETER-M12-MD-E2+-REVETEMENT-EZI- ALPHA-3 · THREADING-CUTTER-M12-CARBIDE-E2+- COATING-EZI-ALPHA-3 · GEWINDEFÄRSBOHRER-M12- HM-E2+-BESCHICHTUNG-EZI-ALPHA-3



SWISS MADE

49380A-M12

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-M12
<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)	9 mm
d (h5)	10 mm
L	72 mm
l1	24.5 mm
l3	1.027 mm
d3	-
R	1.75 mm
e	14 mm
Z	5
Chamfer K	-
w° collision	9.2°



E-SHOP / EZI CUT  
[eskenazi.ch/eshop/49380A-M12](https://eskenazi.ch/eshop/49380A-M12)