

FORET-À-POINTER-NC-MD-E2-+-EZI-ALPHA · NC-SPOT-
DRILL-SC-E2-+-EZI-ALPHA · NC-ANBOHRER-HM-E2-+-
EZI-ALPHA



SWISS MADE

48052A-90-12

Version 12.09.2026

E2

SUBMICRON GRAIN GRADE HIGH-SPEED MACHINING OF
ABRASIVE MATERIALS

$\lambda = 20^\circ$

HELIX ANGLE 20°



POINTED TIP

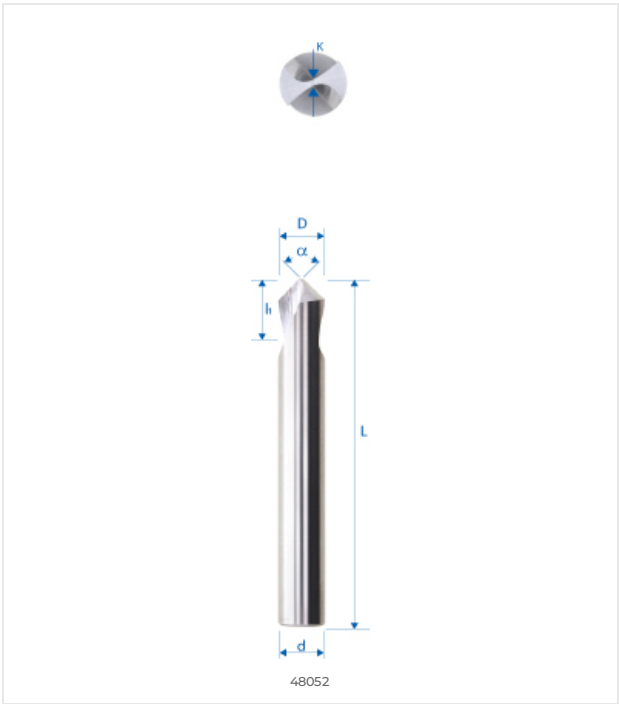
MATERIAL COMPATIBILITY

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

Product material compatibility

CATEGORY	MATERIAL	SPECIFICATION	GRP	48052A-90-12
Alloyed and non-alloyed steels Non-alloyed steels		Rm < 450 N/mm ²	1a	●●● 3/3
		Rm 450–700 N/mm ²	1b	●●● 3/3
		Rm 700–900 N/mm ²	1c	●●● 3/3
		Rm > 1200 N/mm ²	1d	●●● 3/3
Stainless steels Stainless steels		Rm < 650 N/mm ²	2a	●●● 3/3
		Rm 650–950 N/mm ²	2b	●●● 3/3
		Rm > 950 N/mm ²	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	●●● 3/3
Cast iron Grey / nodular cast iron		< 32 HRC	6a	●●● 3/3
		> 32 HRC	6b	●●● 3/3
Titanium Titanium alloys		Rm < 600 N/mm ²	7a	●●● 3/3
		600 < Rm N/mm ²	7b	●●● 3/3
Nickel alloys Inconel, Hastelloy		Rm < 1000 N/mm ²	8a	●●○ 2/3
		Rm > 1000 N/mm ²	8b	●●○ 2/3
Copper, brass, bronze Copper-based		Rm < 850 N/mm ²	9a	●●○ 2/3
		Rm > 850 N/mm ²	9b	●●○ 2/3
Aluminum Aluminum alloys		Si < 0.5%	10a	●●○ 2/3
		0.5% < Si < 5%	10b	●●○ 2/3
		Si > 5%	10c	●●● 3/3
Synthetic materials Engineering plastics		Thermoplastic	11a	●○○ 1/3
		Thermoset	11b	●○○ 1/3
Composite materials Reinforced composites		Glass fiber / GFK	12a	●●● 3/3
		Carbon fiber / KFK	12b	●●● 3/3
Precious metals Gold, platinum, silver		Gold	13a	●●○ 2/3
		Platinum	13b	●●○ 2/3

TECHNICAL DRAWING



DIMENSIONS

NOMINAL DIMENSIONS	
D (0 / -0.01)	12 mm
d (h5)	12 mm
L	83 mm
l1	18 mm
l3	–
d3	–
R	–
e	–
Z	2
Chamfer K	–
w° collision angle	–



E-SHOP / EZI CUT
eskenazi.ch/eshop/48052A-90-12