

FORET-Z:2-AVEC-ARROSAGE-CENTRAL-MD-E2-+-EZI-
SMOOTH-D:4.20-D:5-L:80-L2:43-L3:46 · FLUTES-DRILL-
Z:2-WITH-THROUGH-COOLANT-CARBIDE-E2-+-
COATING-EZI-SMOOTH-D:4.20-D:5-L:80-L2:43-L3:46 ·
BOHRER-Z:2-MIT-INNENKÜHLUNG-HM-E2-+-
BESCHICHTUNG-EZI-SMOOTH-D:4.20-D:5-L:80-L2:43-
L3:46



SWISS MADE

48480S-4.2

Version 11.09.2026



SUBMICRON GRAIN GRADE HIGH-
SPEED MACHINING OF ABRASIVE
MATERIALS



HELIX ANGLE 30°



POINT ANGLE 135°



FITTING LENGTH LONG



INTERNAL COOLING

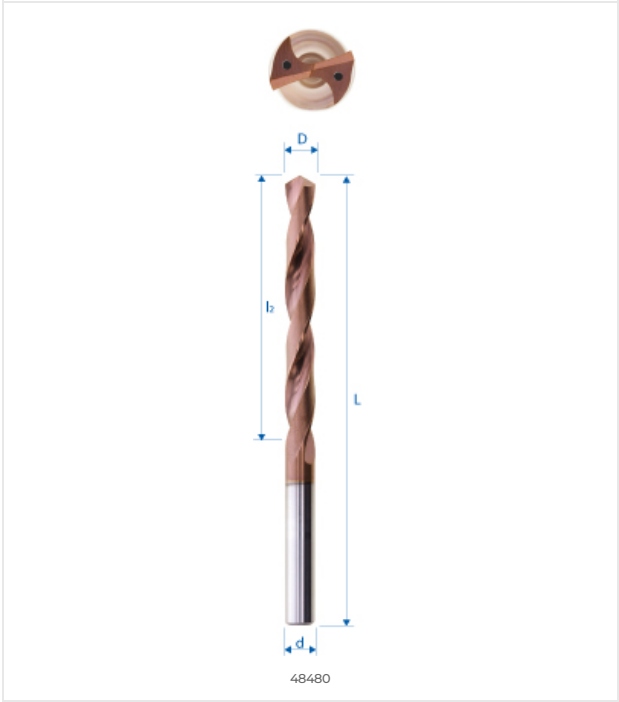
MATERIAL COMPATIBILITY

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

Product material compatibility

CATEGORY	MATERIAL	SPECIFICATION	GRP	48480S-4.2
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	●○○ 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/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	●●● 3/3
		Rm > 850 N/mm ²	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)	4.2 mm
d (h5)	5 mm
L	74 mm
l	36 mm
l3	–
d3	–
R	–
e	–
Z	2
Chamfer K	–
w° collision angle	0.6°



E-SHOP / EZI CUT
eskenazi.ch/eshop/48480S-4.2

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