

FORET-Z:2-AVEC-ARROSAGE-CENTRAL-MD-E2+-EZI-
SMOOTH-D:4.80-D:5-L:80-L2:52-L3:55 · FLUTES-DRILL-Z:2-
WITH-THROUGH-COOLANT-CARBIDE-E2+-COATING-
EZI-SMOOTH-D:4.80-D:5-L:80-L2:52-L3:55 · BOHRER-Z:2-
MIT-INNENKÜHLUNG-HM-E2+-BESCHICHTUNG-EZI-
SMOOTH-D:4.80-D:5-L:80-L2:52-L3:55



SWISS MADE

48480S-4.8

Version 07.05.2026

E2

E2 HIGH PRECISION TOOL MATERIAL

$\lambda=20^\circ$

20° LAMBDA CUTTING ANGLE

90°

90° RIGHT ANGLE DRILL BIT



TOOL LENGTH MEASUREMENT BARS



CENTRAL COOLANT DRILL BIT

MATERIAL COMPATIBILITY

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

MATERIAL	SPECIFICATION	GRP	48480S-4.8
Alloyed and non-alloyed steels Non-alloyed steels	Rm < 450 N/mm ²	1a	●●●
	Rm 450-700 N/mm ²	1b	●●●
	Rm 700-900 N/mm ²	1c	●●●
	Rm > 1200 N/mm ²	1d	●●●
Stainless steels Stainless steels	Rm < 650 N/mm ²	2a	●●●
	Rm 650-950 N/mm ²	2b	●●●
	Rm > 950 N/mm ²	2c	●●●
Hardened steels Hardened steels	44-56 HRC	3a	●○○
	57-67 HRC	3b	○○○
Exotic materials Special alloys	< 32 HRC	4a	●●●
	> 32 HRC	4b	●●●
Graphite Industrial graphite		5	●●●
Cast iron Grey / nodular cast iron	< 32 HRC	6a	●●●
	> 32 HRC	6b	●●●
Titanium Titanium alloys	Rm < 600 N/mm ²	7a	●●●
	600 < Rm N/mm ²	7b	●●●
Nickel alloys Inconel, Hastelloy	Rm < 1000 N/mm ²	8a	●●○
	Rm > 1000 N/mm ²	8b	●●○
Copper, brass, bronze Copper-based	Rm < 850 N/mm ²	9a	●●●
	Rm > 850 N/mm ²	9b	●●●
Aluminum Aluminum alloys	Si < 0.5%	10a	●●●
	0.5% < Si < 5%	10b	●●●
	Si > 5%	10c	●●●
Synthetic materials Engineering plastics	Thermoplastic	11a	●●●
	Thermoset	11b	●●●
Composite materials Reinforced composites	Glass fiber / GFK	12a	●●●
	Carbon fiber / KFK	12b	●●●
Precious metals Gold, platinum, silver	Gold	13a	●●●
	Platinum	13b	●●○

TECHNICAL DRAWING



DIMENSIONS

NOMINAL DIMENSIONS

D (0 / -0.01)	4.8 mm
d (h5)	5 mm
L	82 mm
l1	44 mm
l3	-
d3	-
R	-
e	-
Z	2
Chamfer K	-
w° collision	0.1°



E-SHOP / EZI CUT
eskenazi.ch/eshop/484805-4.8