

FRAISE-1/4-DE-CERCLE-CONCAVE-MD-E25UF · FORM-RELIEVED-CORNER-ROUDING-TOOL-SC-E2 · KONKAV-VIERTELKREISFRÄSER-HM-E2



SWISS MADE

21740-3-R0.5

Version 07.05.2026

E2

E2 HIGH PRECISION TOOL MATERIAL

$\lambda = 0^\circ$
 $\gamma = 10^\circ$

TOOL LAMBDA ANGLE 0° GAMMA 10°



CONCAVE U-GROOVE CUTTING TOOL



LATERAL CUTTING TWIST DRILL BIT

MATERIAL COMPATIBILITY

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

MATERIAL	SPECIFICATION	GRP	21740-3-R0.5
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)	3 mm
d (h5)	3 mm
L	38 mm
l1	0.5 mm
l3	-
d3	-
R	-
e	1 mm
Z	3
Chamfer K	-
w° collision	-



E-SHOP / EZI CUT
eskenazi.ch/eshop/21740-3-R0.5

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