

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



SWISS MADE

21740-6-R1

Version 22.06.2026

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	21740-6-R1
Alloyed and non-alloyed steels Non-alloyed steels	$R_m < 450 \text{ N/mm}^2$	1a	●○
	$R_m 450\text{--}700 \text{ N/mm}^2$	1b	●○
	$R_m 700\text{--}900 \text{ N/mm}^2$	1c	●○
	$R_m > 1200 \text{ N/mm}^2$	1d	○○
Stainless steels Stainless steels	$R_m < 650 \text{ N/mm}^2$	2a	●○
	$R_m 650\text{--}950 \text{ N/mm}^2$	2b	●○
	$R_m > 950 \text{ N/mm}^2$	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	$R_m < 600 \text{ N/mm}^2$	7a	●○
	$600 < R_m \text{ N/mm}^2$	7b	●○
Nickel alloys Inconel, Hastelloy	$R_m < 1000 \text{ N/mm}^2$	8a	○○
	$R_m > 1000 \text{ N/mm}^2$	8b	○○
Copper, brass, bronze Copper-based	$R_m < 850 \text{ N/mm}^2$	9a	●●●
	$R_m > 850 \text{ N/mm}^2$	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)	6 mm
d (h5)	6 mm
L	57 mm
l1	1 mm
l3	-
d3	-
R	-
e	3 mm
Z	4
Chamfer K	-
w° collision	-



E-SHOP / EZI CUT
eskenazi.ch/eshop/21740-6-R1

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