

# 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 07.05.2026

E2

E2 HIGH PRECISION TOOL MATERIAL

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

TOOL LAMBDA ANGLE  $0^\circ$  GAMMA  $10^\circ$



CONCAVE U-GROOVE CUTTING TOOL



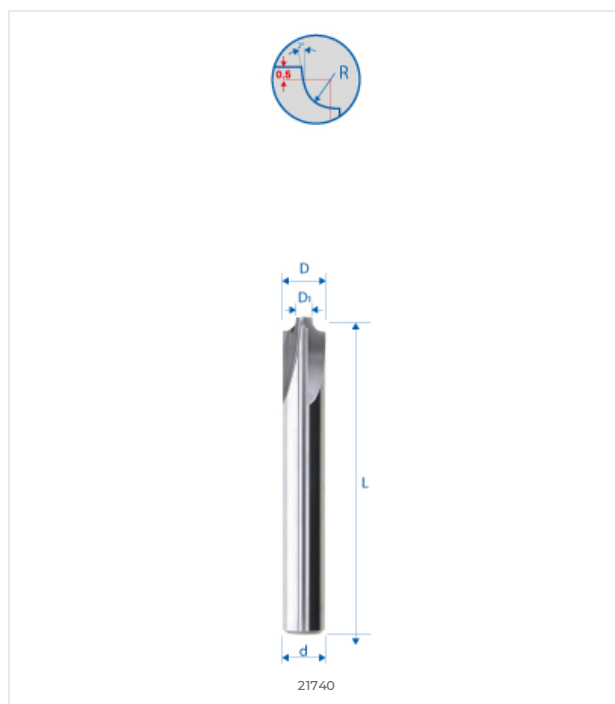
LATERAL CUTTING TWIST DRILL BIT

## MATERIAL COMPATIBILITY

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

MATERIAL	SPECIFICATION	GRP	21740-6-R1
<b>Alloyed and non-alloyed steels</b> 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	○○
<b>Stainless steels</b> 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	○○
<b>Hardened steels</b> Hardened steels	44–56 HRC	3a	○○
	57–67 HRC	3b	○○
<b>Exotic materials</b> Special alloys	< 32 HRC	4a	○○
	> 32 HRC	4b	○○
<b>Graphite</b> Industrial graphite		5	●○
<b>Cast iron</b> Grey / nodular cast iron	< 32 HRC	6a	○○
	> 32 HRC	6b	○○
<b>Titanium</b> Titanium alloys	$R_m < 600 \text{ N/mm}^2$	7a	●○
	$600 < R_m \text{ N/mm}^2$	7b	●○
<b>Nickel alloys</b> Inconel, Hastelloy	$R_m < 1000 \text{ N/mm}^2$	8a	○○
	$R_m > 1000 \text{ N/mm}^2$	8b	○○
<b>Copper, brass, bronze</b> Copper-based	$R_m < 850 \text{ N/mm}^2$	9a	●●●
	$R_m > 850 \text{ N/mm}^2$	9b	●●●
<b>Aluminum</b> Aluminum alloys	$Si < 0.5\%$	10a	●●●
	$0.5\% < Si < 5\%$	10b	●●●
	$Si > 5\%$	10c	●○
<b>Synthetic materials</b> Engineering plastics	Thermoplastic	11a	●●●
	Thermoset	11b	●●●
<b>Composite materials</b> Reinforced composites	Glass fiber / GFK	12a	●○
	Carbon fiber / KFK	12b	●○
<b>Precious metals</b> 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

© 2026 Eskenazi SA — Carouge, Genève  
All rights reserved