

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



SWISS MADE

21740A-12-R3

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	21740A-12-R3
<b>Alloyed and non-alloyed steels</b> Non-alloyed steels	Rm < 450 N/mm <sup>2</sup>	1a	●●●
	Rm 450–700 N/mm <sup>2</sup>	1b	●●●
	Rm 700–900 N/mm <sup>2</sup>	1c	●●●
	Rm > 1200 N/mm <sup>2</sup>	1d	●●●
<b>Stainless steels</b> Stainless steels	Rm < 650 N/mm <sup>2</sup>	2a	●●●
	Rm 650–950 N/mm <sup>2</sup>	2b	●●●
	Rm > 950 N/mm <sup>2</sup>	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	Rm < 600 N/mm <sup>2</sup>	7a	●●●
	600 < Rm N/mm <sup>2</sup>	7b	●●●
<b>Nickel alloys</b> Inconel, Hastelloy	Rm < 1000 N/mm <sup>2</sup>	8a	●●○
	Rm > 1000 N/mm <sup>2</sup>	8b	●●○
<b>Copper, brass, bronze</b> Copper-based	Rm < 850 N/mm <sup>2</sup>	9a	●●○
	Rm > 850 N/mm <sup>2</sup>	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)	12 mm
d (h5)	12 mm
L	83 mm
l1	3 mm
l3	–
d3	–
R	–
e	5 mm
Z	4
Chamfer K	–
w° collision	–



E-SHOP / EZI CUT  
[eskenazi.ch/eshop/21740A-12-R3](https://eskenazi.ch/eshop/21740A-12-R3)

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