

# MICRO-ALÉSOIR-MACHINE-DENTURE-HÉLICOÏDALE- MD-E25UF · MICRO-REAMER-SPIRAL-FLUTED-SC-E25UF · MICRO-REIBAHLEN-SPIRALGENUTET-HM-E25UF



SWISS MADE

47450-2.97

Version 07.05.2026

E25  
UF

CARBIDE TOOL MATERIAL E25 UF

$\lambda = -5^\circ$   
 $\gamma = 5^\circ$

CUTTING ANGLES  $\gamma = -5^\circ \text{ ? } 5^\circ$

## MATERIAL COMPATIBILITY

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

MATERIAL	SPECIFICATION	GRP	47450-2.97
<b>Alloyed and non-alloyed steels</b> Non-alloyed steels	$R_m < 450 \text{ N/mm}^2$	1a	●●●
	$R_m 450-700 \text{ N/mm}^2$	1b	●●●
	$R_m 700-900 \text{ N/mm}^2$	1c	●●●
	$R_m > 1200 \text{ N/mm}^2$	1d	●●●
<b>Stainless steels</b> Stainless steels	$R_m < 650 \text{ N/mm}^2$	2a	●●●
	$R_m 650-950 \text{ N/mm}^2$	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)	2.97 mm
d (h5)	3 mm
L	50 mm
l1	10 mm
l3	22 mm
d3	-
R	-
e	-
Z	4
Chamfer K	0.3
w° collision	-



E-SHOP / EZI CUT  
eskenazi.ch/eshop/47450-2.97

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