

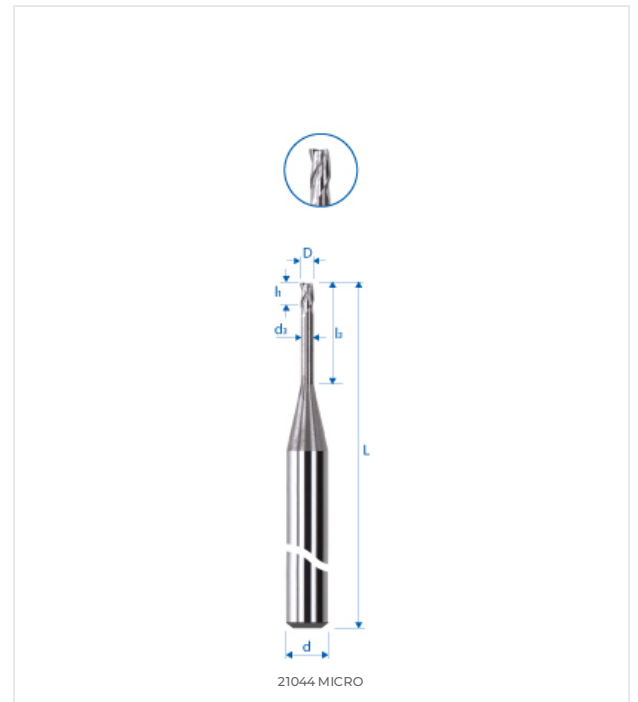
<p><b>E25 UF</b> CARBIDE TOOL MATERIAL E25 UF</p>	<p><math>\lambda=30^{\circ}\text{-}35^{\circ}</math> <math>\gamma=8^{\circ}</math> CUTTING ANGLES <math>\gamma</math> 30°-35° <math>\gamma</math> 8°</p>	<p>angle vif ACUTE ANGLE PRECISION TOOL</p>	<p>DUAL DIRECTION HELICAL DRILL BIT</p>	<p>1.5xD 1.5XD DEPTH PRECISION TOOL</p>	<p>l3 8xD 8XD LENGTH L3 CUTTING TOOL</p>	<p>TOOL LENGTH MEASUREMENT BARS</p>	<p>ADJUSTABLE ANGLE ICON</p>	<p>VARIABLE HELIX DRILL BIT</p>
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**MATERIAL COMPATIBILITY**

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

MATERIAL	SPECIFICATION	GRP	21044-2.5
<b>Alloyed and non-alloyed steels</b> <small>Non-alloyed steels</small>	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> <small>Stainless steels</small>	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> <small>Hardened steels</small>	44–56 HRC	3a	○○
	57–67 HRC	3b	○○
<b>Exotic materials</b> <small>Special alloys</small>	< 32 HRC	4a	○○
	> 32 HRC	4b	○○
<b>Graphite</b> <small>Industrial graphite</small>		5	●○
<b>Cast iron</b> <small>Grey / nodular cast iron</small>	< 32 HRC	6a	○○
	> 32 HRC	6b	○○
<b>Titanium</b> <small>Titanium alloys</small>	Rm < 600 N/mm <sup>2</sup>	7a	●○
	600 < Rm N/mm <sup>2</sup>	7b	●○
<b>Nickel alloys</b> <small>Inconel, Hastelloy</small>	Rm < 1000 N/mm <sup>2</sup>	8a	○○
	Rm > 1000 N/mm <sup>2</sup>	8b	○○
<b>Copper, brass, bronze</b> <small>Copper-based</small>	Rm < 850 N/mm <sup>2</sup>	9a	●●●
	Rm > 850 N/mm <sup>2</sup>	9b	●●●
<b>Aluminum</b> <small>Aluminum alloys</small>	Si < 0.5%	10a	●●●
	0.5% < Si < 5%	10b	●●●
	Si > 5%	10c	○○
<b>Synthetic materials</b> <small>Engineering plastics</small>	Thermoplastic	11a	●●●
	Thermoset	11b	●●●
<b>Composite materials</b> <small>Reinforced composites</small>	Glass fiber / GFK	12a	●○
	Carbon fiber / KFK	12b	●○
<b>Precious metals</b> <small>Gold, platinum, silver</small>	Gold	13a	●●●
	Platinum	13b	○○

**TECHNICAL DRAWING**



**DIMENSIONS**

NOMINAL DIMENSIONS	
D (0 / -0.01)	2.5 mm
d (h5)	3 mm
L	50 mm
l1	3.2 mm
l3	20 mm
d3	–
R	–
e	–
Z	3
Chamfer K	–
w° collision	0.7°



**E-SHOP / EZI CUT**  
eskenazi.ch/eshop/21044-2.5