

MICRO-FRAISE-D'ÉBAUCHE-AVEC-ARROSAGE-CENTRAL · ROUGHING-MICRO-ENDMILL-WITH-INTERNAL- COOLING · MIKROSCHRUPPFÄSER-MIT- INNENKÜHLUNG



SWISS MADE

28525A-1.2

Version 07.05.2026

E25 UF CARBIDE TOOL MATERIAL E25 UF	$\lambda=45^\circ-47^\circ$ $\gamma=15^\circ$ CUTTING ANGLES λ 45°-47° γ 15°	45° 45° PRECISION ANGLE MEASUREMENT	 DUAL DIRECTION HELICAL DRILL BIT	l_1 1.5xD 1.5XD DEPTH PRECISION TOOL	l_3 8xD 8XD LENGTH L3 CUTTING TOOL	 STANDARD TOOL WEAR INDICATOR	 ADJUSTABLE ANGLE ICON	$\lambda/2$ $\lambda/1$ VARIABLE HELIX DRILL BIT
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MATERIAL COMPATIBILITY

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

MATERIAL	SPECIFICATION	GRP	28525A-1.2
Alloyed and non-alloyed steels <small>Non-alloyed steels</small>	Rm < 450 N/mm ²	1a	●●●
	Rm 450–700 N/mm ²	1b	●●●
	Rm 700–900 N/mm ²	1c	●●●
	Rm > 1200 N/mm ²	1d	●●○
Stainless steels <small>Stainless steels</small>	Rm < 650 N/mm ²	2a	●●●
	Rm 650–950 N/mm ²	2b	●●●
	Rm > 950 N/mm ²	2c	●●●
Hardened steels <small>Hardened steels</small>	44–56 HRC	3a	○○○
	57–67 HRC	3b	○○○
Exotic materials <small>Special alloys</small>	< 32 HRC	4a	●●○
	> 32 HRC	4b	●●○
Graphite <small>Industrial graphite</small>		5	●○○
Cast iron <small>Grey / nodular cast iron</small>	< 32 HRC	6a	●●●
	> 32 HRC	6b	●●●
Titanium <small>Titanium alloys</small>	Rm < 600 N/mm ²	7a	●●●
	600 < Rm N/mm ²	7b	●●●
Nickel alloys <small>Inconel, Hastelloy</small>	Rm < 1000 N/mm ²	8a	●●○
	Rm > 1000 N/mm ²	8b	●●○
Copper, brass, bronze <small>Copper-based</small>	Rm < 850 N/mm ²	9a	●●●
	Rm > 850 N/mm ²	9b	●●●
Aluminum <small>Aluminum alloys</small>	Si < 0.5%	10a	○○○
	0.5% < Si < 5%	10b	○○○
	Si > 5%	10c	○○○
Synthetic materials <small>Engineering plastics</small>	Thermoplastic	11a	○○○
	Thermoset	11b	○○○
Composite materials <small>Reinforced composites</small>	Glass fiber / GFK	12a	●○○
	Carbon fiber / KFK	12b	●○○
Precious metals <small>Gold, platinum, silver</small>	Gold	13a	●●●
	Platinum	13b	●●○

TECHNICAL DRAWING



DIMENSIONS

NOMINAL DIMENSIONS	
D (0 / -0.01)	1.2 mm
d (h5)	3 mm
L	38 mm
l1	1.8 mm
l3	3.6 mm
d3	–
R	–
e	–
Z	3
Chamfer K	0.15
w° collision	7.2°



E-SHOP / EZI CUT
eskenazi.ch/eshop/28525A-1.2