FORET-3-LÈVRES-MD-E25UF-+-EZI-SMOOTH · 3-FLUTES-DRILL-SC-E2-5-UF-+-EZI-SMOOTH · DREI-LIPPEN-BOHRER-HM-E25-UF-+-EZI-SMOOTH

48301S-0.50 Version 07.05.2026

SWISS MADE

E25 UF — CARBIDE TOOL MATERIAL E25 UF

λ=20° — 20° LAMBDA CUTTING ANGLE

90° — 90° RIGHT ANGLE DRILL BIT

STANDARD TOOL WEAR INDICATOR

MATERIAL COMPATIBILITY

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

MATERIAL	SPECIFICATION	GRP	48301S-0.50
Alloyed and non-alloyed steels Non-alloyed steels	Rm < 450 N/mm²	1a	●●●
	Rm 450–700 N/mm²	1b	●●●
	Rm 700–900 N/mm²	1c	●●●
	Rm > 1200 N/mm²	1d	●●●
Stainless steels Stainless steels	Rm < 650 N/mm²	2a	●●●
	Rm 650–950 N/mm²	2b	●●●
	Rm > 950 N/mm²	2c	●●●
Hardened steels Hardened steels	44–56 HRC	3a	●●○
	57–67 HRC	3b	●○○
Exotic materials Special alloys	< 32 HRC	4a	●●●
	> 32 HRC	4b	●●●
Graphite Industrial graphite		5	●●●
Cast iron Grey / nodular cast iron	< 32 HRC	6a	●●●
	> 32 HRC	6b	●●●
Titanium Titanium alloys	Rm < 600 N/mm²	7a	●●●
	600 < Rm N/mm²	7b	●●●
Nickel alloys Inconel, Hastelloy	Rm < 1000 N/mm²	8a	●●○
	Rm > 1000 N/mm²	8b	●●○
Copper, brass, bronze Copper-based	Rm < 850 N/mm²	9a	●●●
	Rm > 850 N/mm²	9b	●●●
Aluminum Aluminum alloys	Si < 0.5%	10a	●●○
	0.5% < Si < 5%	10b	●●●
	Si > 5%	10c	●●●
Synthetic materials Engineering plastics	Thermoplastic	11a	●●●
	Thermoset	11b	●●●
Composite materials Reinforced composites	Glass fiber / GFK	12a	●●●
	Carbon fiber / KFK	12b	●●●
Precious metals Gold, platinum, silver	Gold	13a	●●●
	Platinum	13b	●●○

TECHNICAL DRAWING

48301

DIMENSIONS

NOMINAL DIMENSIONS	
D (0 / -0.01)	0.5 mm
d (h5)	3 mm
L	38 mm
l1	3 mm
l3	3.8 mm
d3	–
R	–
e	–
Z	3
Chamfer K	-
w° collision	8°

E-SHOP / EZI CUT
eskenazi.ch/eshop/48301S-0.50

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