

FRAISE-MULTI-USAGE-MD-E25UF · MULTI-USE-ENDMILL-SC-E2 · FRÄSER-MULTI-VERWENDUNG-HM-E2



21750-90-1.8

Version 07.05.2026

SWISS MADE

E2 E2 HIGH PRECISION TOOL MATERIAL	$\lambda=35^\circ$ 35° LAMBDA CUTTING ANGLE	90° 90° RIGHT ANGLE DRILL BIT	 DUAL DIRECTION HELICAL DRILL BIT	l_1 2xD 2XD DRILLING DEPTH INDICATOR	 STANDARD TOOL WEAR INDICATOR
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MATERIAL COMPATIBILITY

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

MATERIAL	SPECIFICATION	GRP	21750-90-1.8
Alloyed and non-alloyed steels Non-alloyed steels	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 Stainless steels	Rm < 650 N/mm ²	2a	●○
	Rm 650–950 N/mm ²	2b	●○
	Rm > 950 N/mm ²	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/mm ²	7a	●○
	600 < Rm N/mm ²	7b	●○
Nickel alloys Inconel, Hastelloy	Rm < 1000 N/mm ²	8a	○○
	Rm > 1000 N/mm ²	8b	○○
Copper, brass, bronze Copper-based	Rm < 850 N/mm ²	9a	●●●
	Rm > 850 N/mm ²	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



DIMENSIONS

NOMINAL DIMENSIONS	
D (0 / -0.01)	1.8 mm
d (h5)	3 mm
L	38 mm
l1	3.5 mm
l3	–
d3	–
R	0.18 mm
e	–
Z	2
Chamfer K	–
w° collision	5.9°



E-SHOP / EZI CUT
eskenazi.ch/eshop/21750-90-1.8

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