

FRAISE-PROFIL-ÉBAUCHE-MD-E2-+-AL-EZI-+L3 ·
ROUGHIN-ENDMILL-SC-E2-+-AL-EZI · SCHAFT-
SCHRUPPFRÄSE-HM-E2-+-AL-EZI



SWISS MADE

22603H-20 Version 05.08.2026

E2

E2 HIGH PRECISION
TOOL MATERIAL

$\lambda = 40^\circ$
 $\gamma = 18^\circ$

CUTTING ANGLES ?
40° ? 18°

45°

45° PRECISION ANGLE
MEASUREMENT

DUAL DIRECTION
HELICAL DRILL BIT

l_1
2.2xD

2.2xD DEPTH FOR
TOOLS

l_3

THREE-POINT
CONTACT TOOL

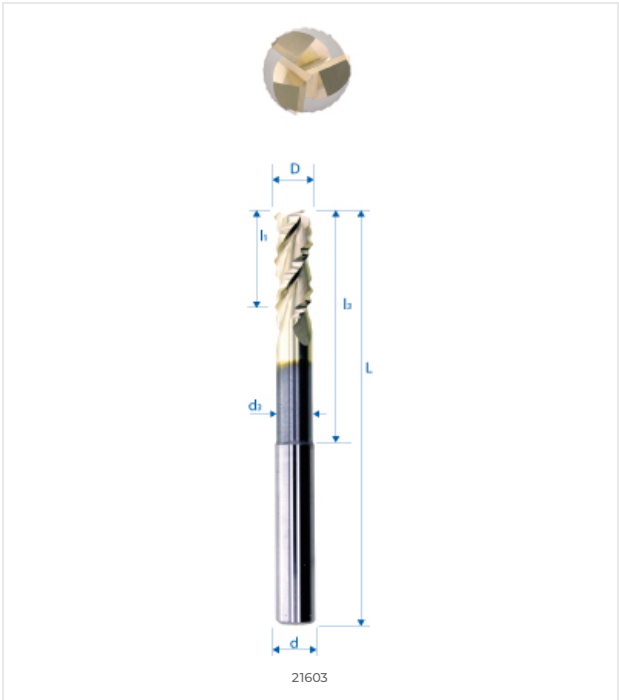
EXTRA
LONG
PRECISION
DRILL BITS

MATERIAL COMPATIBILITY

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

MATERIAL	SPECIFICATION	GRP	22603H-20
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



DIMENSIONS

NOMINAL DIMENSIONS	
D (0 / -0.01)	20 mm
d (h5)	20 mm
L	141 mm
l1	38 mm
l3	87 mm
d3	–
R	–
e	–
Z	3
Chamfer K	0.6
w° collision	–



E-SHOP / EZI CUT
eskenazi.ch/eshop/22603H-20

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