

SCIE-CIRCULAIRE-DENTURE-FINE-MD-H1S+-EZI-ALPHA ·
 SLITTING-SAW-FINE-PITCH-SC-H1S+-EZI-ALPHA ·
 KREISSÄGE-FEINVERZAHNT-HM-H1S+-EZI-ALPHA



SWISS MADE

25500A-80-2.5

Version 06.05.2026

H1S

H1S HIGH PRECISION CARBIDE DRILL

$\lambda = 0^\circ$
 $\gamma = 8^\circ$

TOOL ANGLES LAMBDA 0° GAMMA 8°

MATERIAL COMPATIBILITY

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

MATERIAL	SPECIFICATION	GRP	25500A-80-2.5
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)	80 mm
d (h5)	22 mm
L	–
l1	–
l3	–
d3	–
R	–
e	2.5 mm
Z	80
Chamfer K	–
w° collision	–



E-SHOP / EZI CUT
 eskenazi.ch/eshop/25500A-80-2.5

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