

# SCIE-CIRCULAIRE-DENTURE-FINE-MD-H1S · SLITTING-SAW-FINE-PITCH-SC-H1S · KREISSÄGE-FEINVERZÄHNT-HM-H1S



SWISS MADE

25500-40-2

Version 07.05.2026

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	25500-40-2
<b>Alloyed and non-alloyed steels</b> <small>Non-alloyed steels</small>	Rm < 450 N/mm <sup>2</sup>	1a	●○
	Rm 450–700 N/mm <sup>2</sup>	1b	●○
	Rm 700–900 N/mm <sup>2</sup>	1c	●○
	Rm > 1200 N/mm <sup>2</sup>	1d	●○
<b>Stainless steels</b> <small>Stainless steels</small>	Rm < 650 N/mm <sup>2</sup>	2a	●○
	Rm 650–950 N/mm <sup>2</sup>	2b	●○
	Rm > 950 N/mm <sup>2</sup>	2c	●○
<b>Hardened steels</b> <small>Hardened steels</small>	44–56 HRC	3a	○○
	57–67 HRC	3b	○○
<b>Exotic materials</b> <small>Special alloys</small>	< 32 HRC	4a	○○
	> 32 HRC	4b	○○
<b>Graphite</b> <small>Industrial graphite</small>		5	●○
<b>Cast iron</b> <small>Grey / nodular cast iron</small>	< 32 HRC	6a	●○
	> 32 HRC	6b	●○
<b>Titanium</b> <small>Titanium alloys</small>	Rm < 600 N/mm <sup>2</sup>	7a	●○
	600 < Rm N/mm <sup>2</sup>	7b	●○
<b>Nickel alloys</b> <small>Inconel, Hastelloy</small>	Rm < 1000 N/mm <sup>2</sup>	8a	○○
	Rm > 1000 N/mm <sup>2</sup>	8b	○○
<b>Copper, brass, bronze</b> <small>Copper-based</small>	Rm < 850 N/mm <sup>2</sup>	9a	●●●
	Rm > 850 N/mm <sup>2</sup>	9b	●●●
<b>Aluminum</b> <small>Aluminum alloys</small>	Si < 0.5%	10a	●●○
	0.5% < Si < 5%	10b	●●○
	Si > 5%	10c	●○
<b>Synthetic materials</b> <small>Engineering plastics</small>	Thermoplastic	11a	●●○
	Thermoset	11b	●●○
<b>Composite materials</b> <small>Reinforced composites</small>	Glass fiber / GFK	12a	●○
	Carbon fiber / KFK	12b	●○
<b>Precious metals</b> <small>Gold, platinum, silver</small>	Gold	13a	●●●
	Platinum	13b	○○

## TECHNICAL DRAWING



## DIMENSIONS

NOMINAL DIMENSIONS	
D (0 / -0.01)	40 mm
d (h5)	10 mm
L	-
l1	-
l3	-
d3	-
R	-
e	2 mm
Z	48
Chamfer K	-
w° collision	-



E-SHOP / EZI CUT  
eskenazi.ch/eshop/25500-40-2

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