

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



SWISS MADE

25500-40-0.5 Version 12.09.2026

H1S

UNIVERSAL GRADE WITH GOOD WEAR RESISTANCE

$\lambda = 0^\circ$
 $\gamma = 6^\circ$

HELIX ANGLE 0° AND CUTTING ANGLE 6°

MATERIAL COMPATIBILITY

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

Product material compatibility

CATEGORY	MATERIAL	SPECIFICATION	GRP	25500-40-0.5
Alloyed and non-alloyed steels	Non-alloyed steels	Rm < 450 N/mm²	1a	●○○ 1/3
		Rm 450–700 N/mm²	1b	●○○ 1/3
		Rm 700–900 N/mm²	1c	●○○ 1/3
		Rm > 1200 N/mm²	1d	●○○ 1/3
Stainless steels	Stainless steels	Rm < 650 N/mm²	2a	●○○ 1/3
		Rm 650–950 N/mm²	2b	●○○ 1/3
		Rm > 950 N/mm²	2c	●○○ 1/3
Hardened steels	Hardened steels	44–56 HRC	3a	○○○ 0/3
		57–67 HRC	3b	○○○ 0/3
Exotic materials	Special alloys	< 32 HRC	4a	○○○ 0/3
		> 32 HRC	4b	○○○ 0/3
Graphite	Industrial graphite		5	●○○ 1/3
Cast iron	Grey / nodular cast iron	< 32 HRC	6a	●○○ 1/3
		> 32 HRC	6b	●○○ 1/3
Titanium	Titanium alloys	Rm < 600 N/mm²	7a	●○○ 1/3
		600 < Rm N/mm²	7b	●○○ 1/3
Nickel alloys	Inconel, Hastelloy	Rm < 1000 N/mm²	8a	○○○ 0/3
		Rm > 1000 N/mm²	8b	○○○ 0/3
Copper, brass, bronze	Copper-based	Rm < 850 N/mm²	9a	●●● 3/3
		Rm > 850 N/mm²	9b	●●● 3/3
Aluminum	Aluminum alloys	Si < 0.5%	10a	●●○ 2/3
		0.5% < Si < 5%	10b	●●○ 2/3
		Si > 5%	10c	●○○ 1/3
Synthetic materials	Engineering plastics	Thermoplastic	11a	●●○ 2/3
		Thermoset	11b	●●○ 2/3
Composite materials	Reinforced composites	Glass fiber / GFK	12a	●○○ 1/3
		Carbon fiber / KFK	12b	●○○ 1/3
Precious metals	Gold, platinum, silver	Gold	13a	●●● 3/3
		Platinum	13b	○○○ 0/3

TECHNICAL DRAWING



DIMENSIONS

NOMINAL DIMENSIONS

D (0 / -0.01)	40 mm
d (h5)	10 mm
L	–
l1	–
l3	–
d3	–
R	–
e	0.5 mm
Z	80
Chamfer K	–
w° collision angle	–



E-SHOP / EZI CUT
eskenazi.ch/eshop/25500-40-0.5

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