

MICRO-FRAISE Z3 · Z3-FINISHING-MICRO-END-MILL-
FOR-WATCHMAKING-COMPONENT-AND-MICRO-
MACHINE Z3 · Z3-FINISH-MIKROFRÄSER-FÜR-
UHRENKOMPONENTE-UND-MIKROMASCHINE Z3



SWISS MADE

23161T-1.5 Version du 09.08.2026

1.5
Ø D (MM)

28
L (MM)

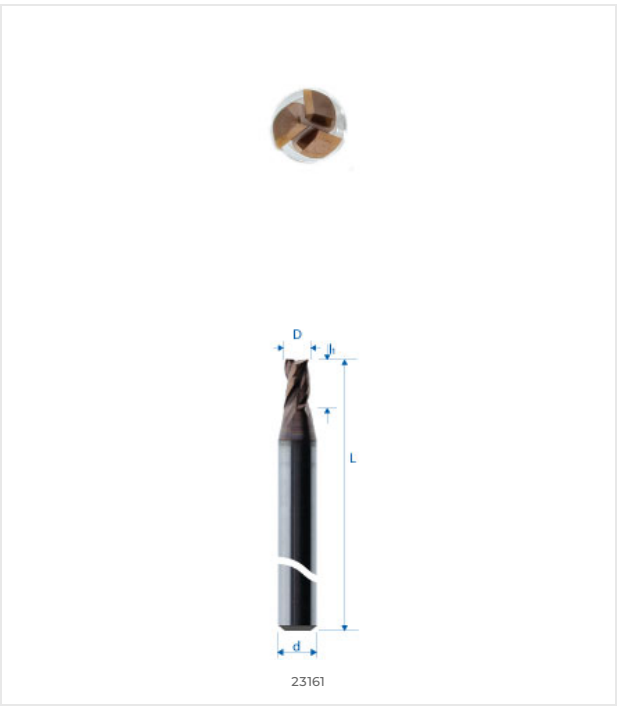
3
Z

COMPATIBILITÉ MATIÈRE

●●● Excellent (3/3) ●●○ Bon (2/3) ●○○ Possible (1/3) ○○○ Non recommandé

MATIÈRE	SPÉCIFICATION	GRP	23161T-1.5
Aciers alliés et non alliés Aciers non alliés	Rm < 450 N/mm ²	1a	●●● 3/3
	Rm 450–700 N/mm ²	1b	●●● 3/3
	Rm 700–900 N/mm ²	1c	●●● 3/3
	Rm > 1200 N/mm ²	1d	●●● 3/3
Aciers Inox Aciers inoxydables	Rm < 650 N/mm ²	2a	●●● 3/3
	Rm 650–950 N/mm ²	2b	●●● 3/3
	Rm > 950 N/mm ²	2c	●●● 3/3
Aciers trempés Aciers durcis	44–56 HRC	3a	●●● 3/3
	57–67 HRC	3b	●●○ 2/3
Matériaux exotiques Alliages spéciaux	< 32 HRC	4a	●●● 3/3
	> 32 HRC	4b	●●● 3/3
Graphite Graphite industriel		5	●●○ 2/3
Fontes Fonte grise / nodulaire	< 32 HRC	6a	●●○ 2/3
	> 32 HRC	6b	●●○ 2/3
Titane Alliages titane	Rm < 600 N/mm ²	7a	●●● 3/3
	600 < Rm N/mm ²	7b	●●● 3/3
Alliages Nickel Inconel, Hastelloy	Rm < 1000 N/mm ²	8a	●●● 3/3
	Rm > 1000 N/mm ²	8b	●●● 3/3
Cuivre, laiton, bronze Cuivreux	Rm < 850 N/mm ²	9a	●●○ 2/3
	Rm > 850 N/mm ²	9b	●●○ 2/3
Aluminium Alliages aluminium	Si < 0.5%	10a	●○○ 1/3
	0.5% < Si < 5%	10b	●○○ 1/3
	Si > 5%	10c	●○○ 1/3
Matières synthétiques Plastiques techniques	Thermoplastique	11a	○○○ 0/3
	Therm durcissable	11b	○○○ 0/3
Matières composites Composites renforcés	Fibre de verre / GFK	12a	●●○ 2/3
	Fibre de carbone / KFK	12b	●●○ 2/3
Métaux précieux Or, platine, argent	Or	13a	●○○ 1/3
	Platine	13b	●○○ 1/3

DESSIN TECHNIQUE



DIMENSIONS

DIMENSIONS NOMINALES	
D (0 / -0.01)	1.5 mm
d (h5)	3 mm
L	28 mm
l1	2 mm
l3	–
d3	–
R	–
e	–
Z	3
Chanfrein K	–
w° collision	8.4°



E-SHOP / EZI CUT
eskenazi.ch/eshop/23161T-1.5