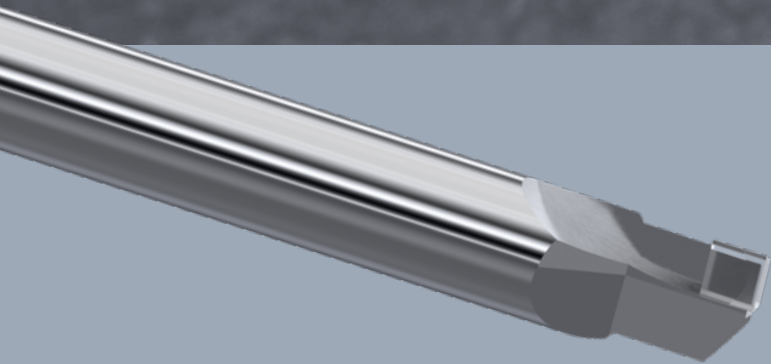


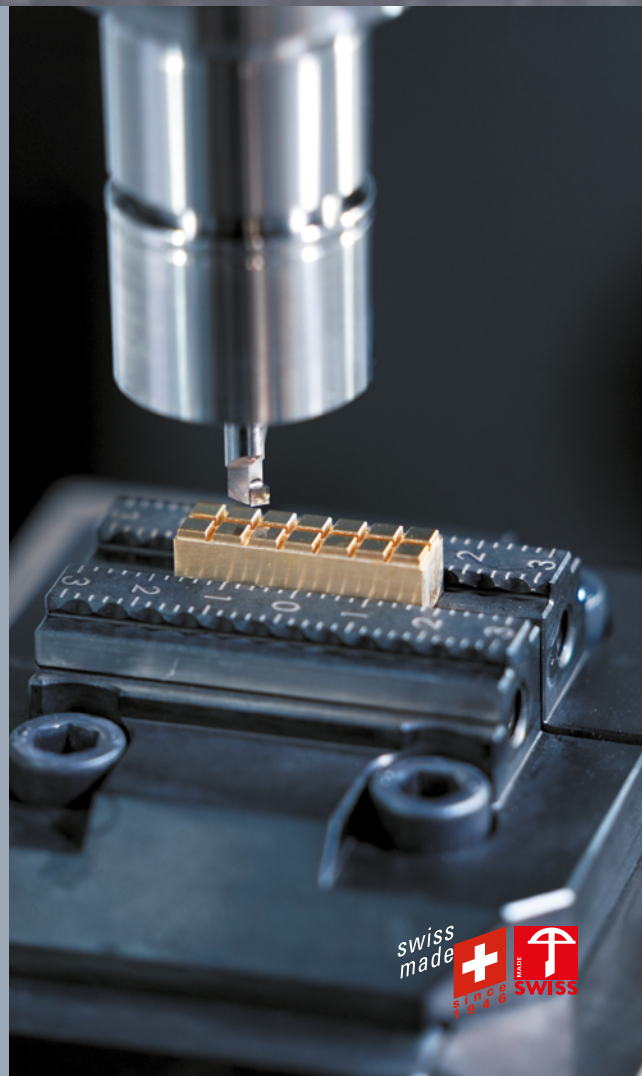
New Monocrystalline
diamond milling cutter
DIXI 70610

In stock
from $\varnothing 4$ mm
to $\varnothing 10$ mm



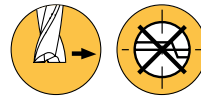
**A mirror-polish finish
on flat surfaces.**

Specific sharpening for surface
machining.

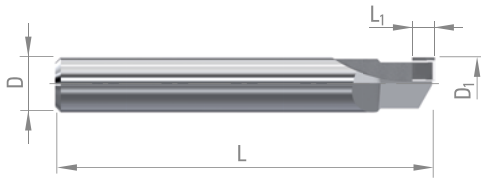


DIXI 70610 DIA

Z = 1



MONOCRISTALLINE DIAMOND FACE MILLING CUTTERS



- Monocrystalline diamond face milling cutters developed for mirror-polished finish machining of non-ferrous materials and precious metals.
- DIA is used for mirror finish machining.

○ good ⊙ excellent

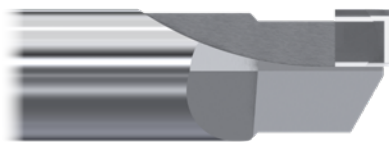
ISO	P												M				K						
Materials description	Unalloyed steel					Low alloyed steel				High alloyed steel	Martensitic stainless steel	Austenitic stainless steel (DUPLEX/ PH)				Grey cast iron	Nodular cast iron	Malleable cast iron					
VDI 3323	1	2	3	4	5	6	7	8	9	10	11	12	13	14.1	14.2	14.3	14.4	15	16	17	18	19	20
Recommendations																							

ISO	N										S					H					
Materials description	Wrought aluminium alloy		Cast aluminium alloy			Cu + Pb alloy	Cu alloy difficult	Gold, Silver	Graphite	Plastic	Wood	Special alloy Ni / Co			Titanium, titanium alloy		Hardened steel	Hard cast iron			
VDI 3323	21	22	23	24	25	26	27	28	-	-	29	30	31	32	33-35	36	37	38	39	40	41
Recommendations	○	○	○	○	○	⊙	⊙	⊙	⊙		○										

$D_{1 \pm 0.05}$	L_1	D_{h6}	L	DIA
4	2.5	6	40	443286
6	2.5	6	40	443287
8	2.5	8	63	443288
10	2.5	10	67	443289

APPLICATION EXAMPLE

Surfacing a brass part



Tool: DIXI 70610 DIA Ø6

Material: lead-free brass

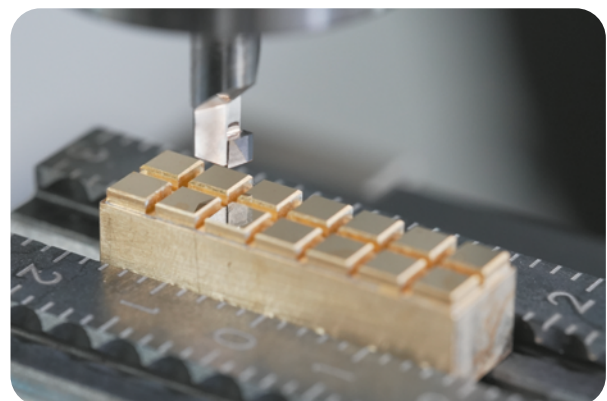
N = 30'000 rpm

Vf = 150 mm/min

Ap = 0.05mm

Conclusion:

The DIXI 70610 DIA range of milling cutters produces flat, mirror-polished surfaces in non-ferrous materials. What's more, the extremely sharp cutting edges enable a surface roughness of less than Rz 0.02µm.



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