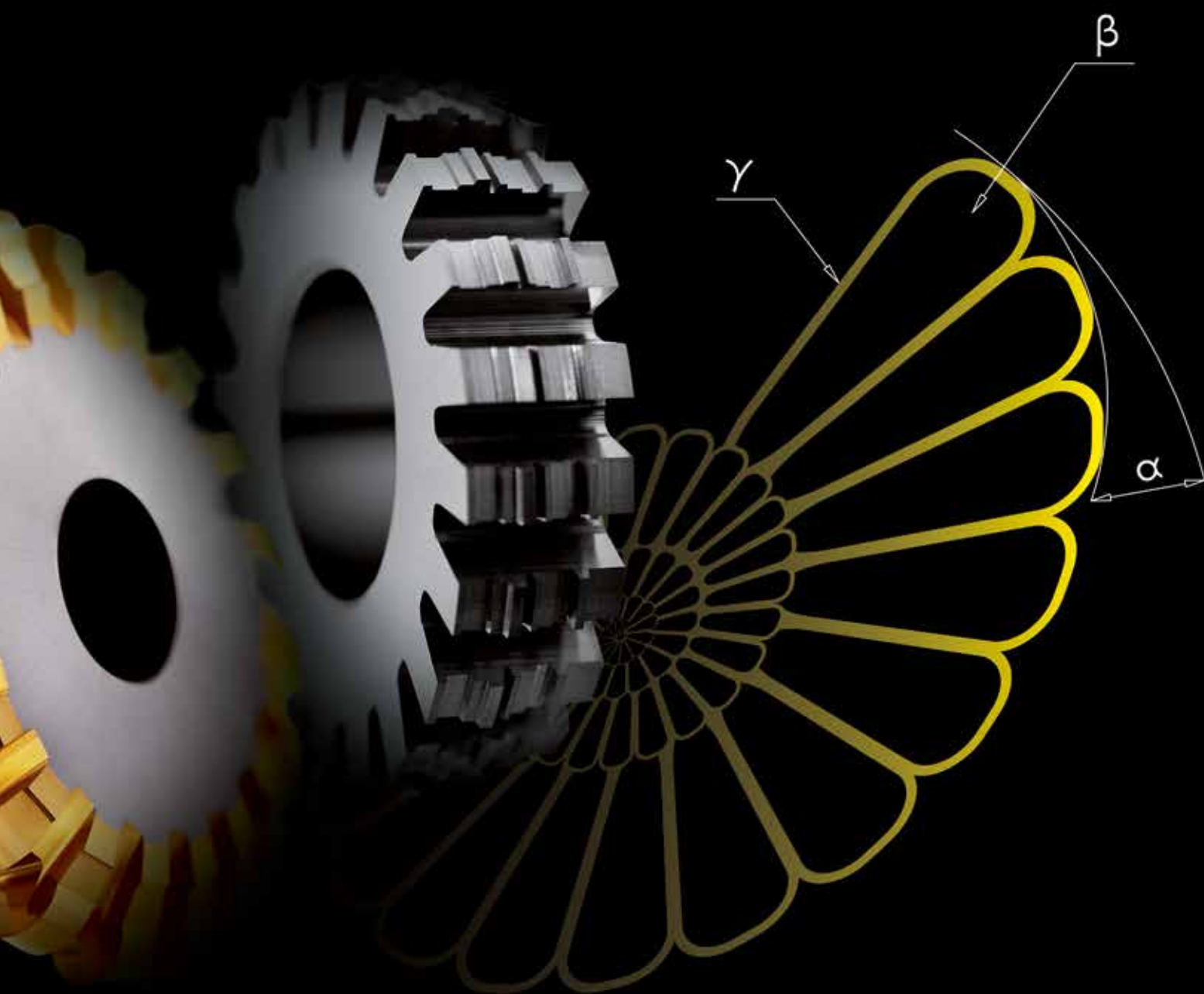




GLOOR



Product overview







Gloor Precision Tools Ltd.

We develop and produce high-quality tools. We sell these tools worldwide to companies in various industries with machining processes.

Our primary goal is to manufacture tools that are always better than the previous executions, enabling us to significantly reduce process and unit costs for our customers.

Our customers benefit from comprehensive and competent advice and support based on many years of profound practical experience, this is our particular strength.



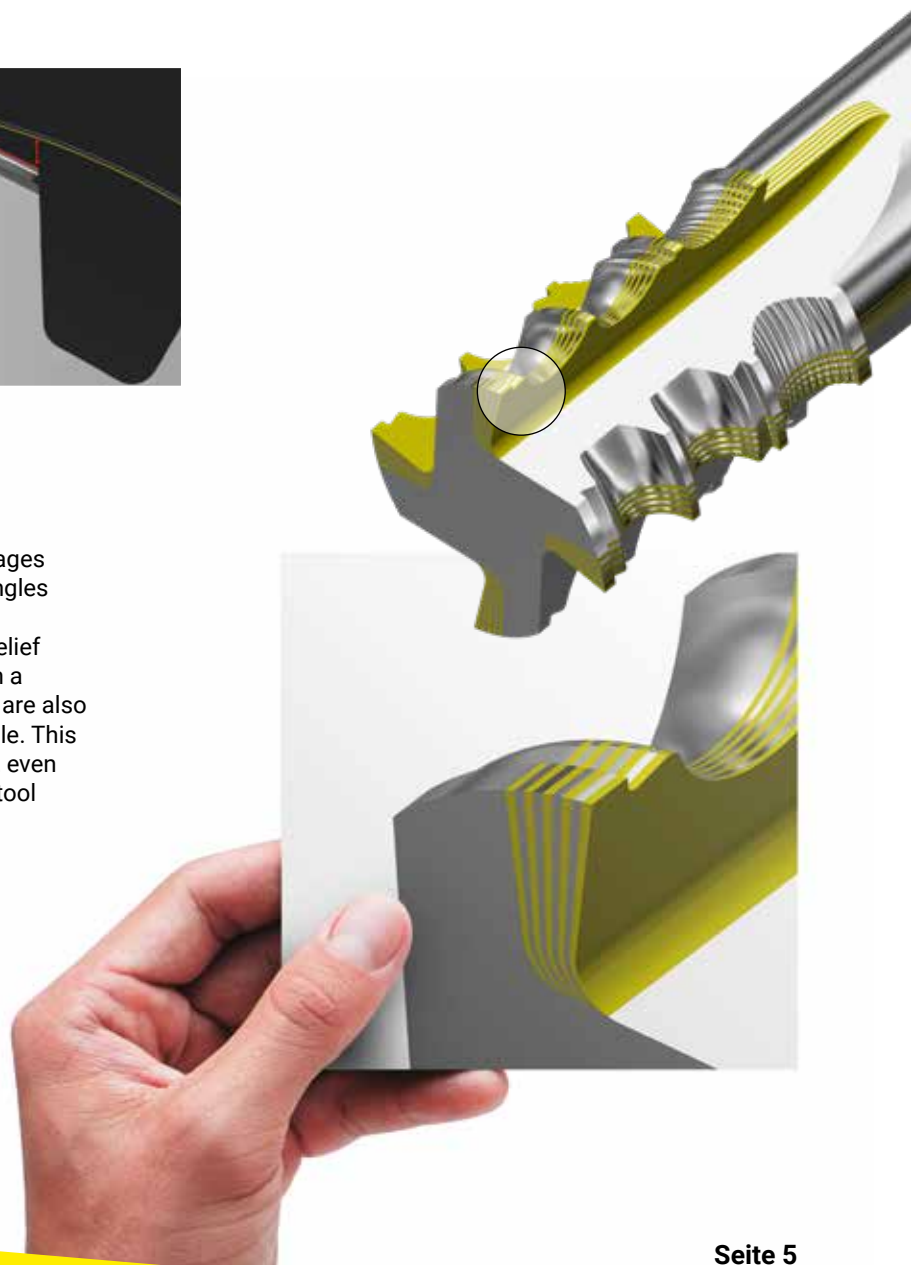
**«Precise tools with
modern technology
and competent advice»**





Logarithmical relief

All Gloor tools can optionally be logarithmically relief grinded. This can provide you with significant advantages as a customer. The cutting tool clearance and rake angles remain stable and ensure consistently high process performance. Milling cutters made with logarithmic relief have a considerably longer service life than tools with a straight relief. Milling cutters with a logarithmic relief are also very easy to regrind and have a 100% consistent profile. This means that the profile shape remains 100% constant, even after repeated regrinding, so you get back a like-new tool after every regrinding.

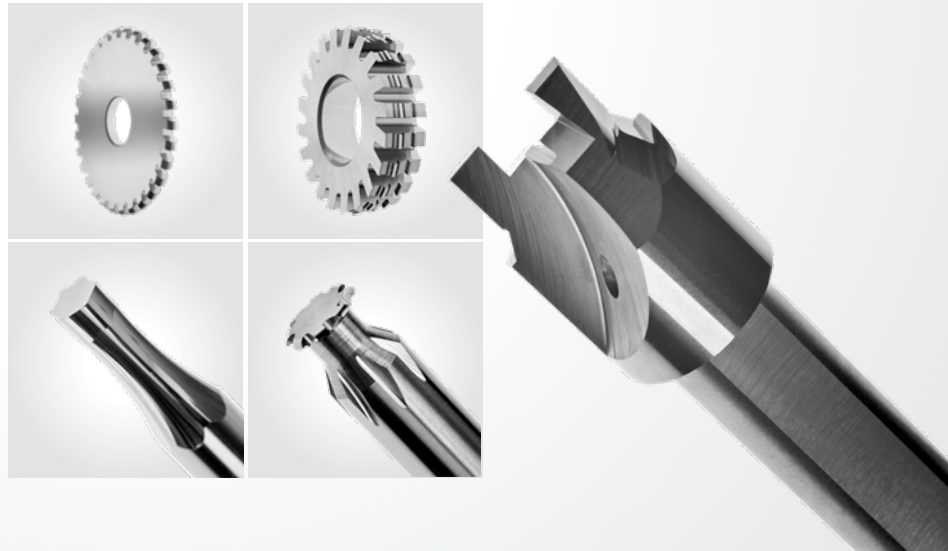


Form tools

Gloor tools are available with logarithmic relief angle or non-logarithmic grinding. They are manufactured to fulfill our customers' requirements. The variety of shapes you can have cut is unlimited. Thanks to our patented manufacturing process, we can manufacture tools with the smallest possible gear-tooth gaps. Our tools are available with full or partial profiles for burr-free products.

- Dimensions: 4–200mm outside diameter, 80mm width
- Fine pitch toothed up to 200 teeth thanks to our unique, patented process
- Form tolerances up to $\pm 0.0025\text{mm}$
- Concave corner radius of up to $R=0.02\text{mm}$ are available

- Form-milling cutter
- Form milling cutter for keys
- Radius cutter convex + concave
- Prism and angle milling cutter
- Set of milling cutters
- Form insert
- Broaching tool
- Front turning tool



Thread tools

Gloor thread tools are logarithmically relief-grinded and therefore have a constant shape. We can manufacture thread tools according to your specific requirements. It is also possible to grind a multiple thread. Our tools are available with full or partial profiles for burr-free work.

Form tolerances up to $\pm 0.0025\text{mm}$

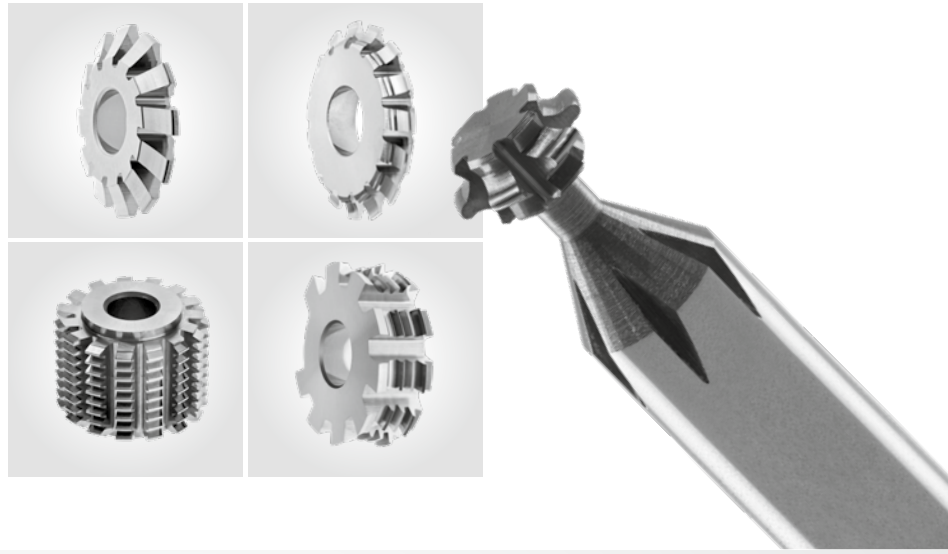
- Bone-thread milling cutter
- Worm-milling cutter
- Set of inserts
- Set of circular form tools
- Taper thread end mill conical
- Polygon thread milling cutter
- Thread milling cutter
- Internal whirling end mill
- Single point thread end mill



Gear cutting tools

With special software to calculate profile dimensions and simulate machining processes, we can design the gear profile of our gear hobs to meet your requirements. Due to the logarithmic relief angle grinding, our gear cutters are constant in shape. Thanks to our patented grinding technology, which is calibrated based on the relation of the outside diameter to the number of teeth, we can produce fine pitch-toothed profiles with up to 200 teeth.

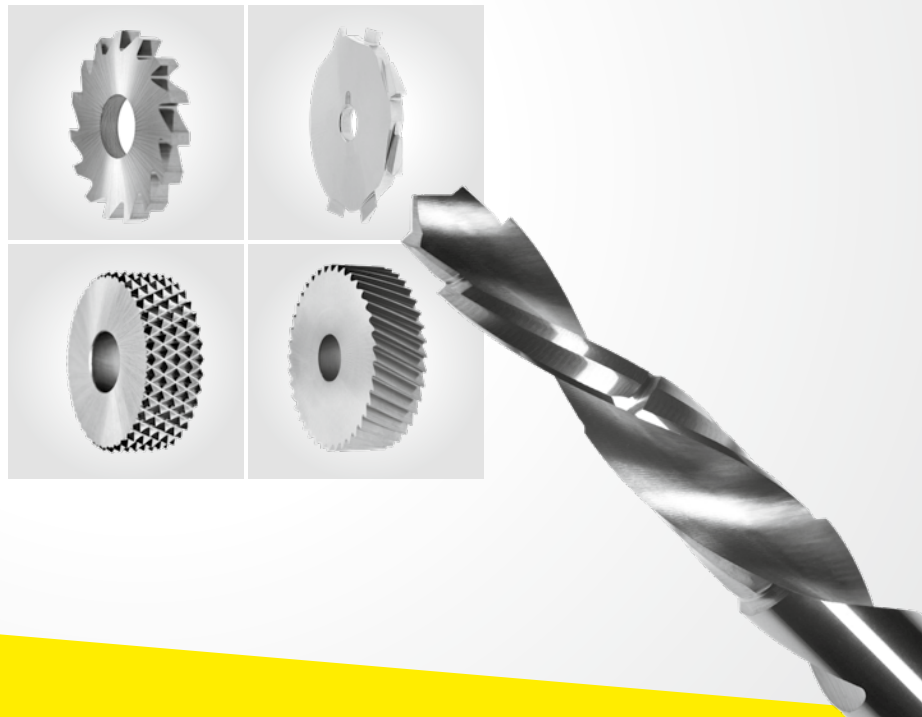
- Hob
- Gear milling cutter
- Hobs single position
- Hob for bevel gear
- Cutter frontal gear
- 1-turn hob
- Hob conikron
- Broaching tool internal gear



Additional cutting tools

Gloor also offers other powerful cutting tools that complement our range of core products.

- Slitting saw
- Collector cutter
- Polygon milling cutter
- Knurling wheels
- T-slot end mill
- End mill
- Drilling and countersinking tools



Location

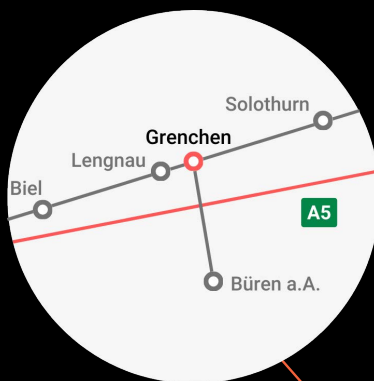
By car

From Zurich: Motorway A1 to Solothurn > motorway A5 towards Biel to exit Grenchen.

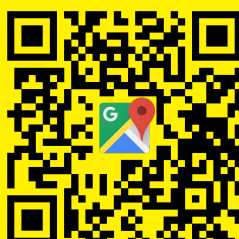
From Lausanne: Motorway A1 to Yverdon > motorway A5 to Biel > motorway A5 towards Solothurn to exit Grenchen.

By train

About 10 minutes' walk from station Grenchen Süd towards Airport Grenchen.



Scan QR-Code
See location



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