HOMMEL+KELLER PRÄZISIONSWERKZEUGE GMBH

We have made a name for ourselves in the world of machining and are known, among other things, for high-quality tools in the field of gear cutting.

Our aim is to deliver products that do exactly what our customers need, with a quality and precision that demonstrates our experience and commitment to the industry. We place great emphasis on listening to our customers, giving them good advice and supporting them every step of the way, from development to aftercare.

Our products represent a long tradition of listening and adapting to the needs of our customers. We maintain close relationships with our partners in over 39 countries and with well over 5,000 tools in all our product ranges, we can ship the desired product to our customers in a very timely manner.



WHY ARE WE THE PERFECT CHOICE FOR YOU? OUR EXPERTISE AND CUSTOMER SERVICE SPEAK FOR THEMSELVES.

The quality demands placed on consumer and capital goods in the premium segment mean exceptionally high requirements for precision and surface quality. Premium end products can very often only be fulfilled with individual tool designs in order to make the difference in appearance and functionality compared to standard products tangible.

Our task on the market is clearly defined: To exceed our customers' expectations through innovative, needs-based production processes and outstanding service.

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to the Shop

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HOMMEL KELLER PRÄZISIONSWERKZEUGE

GEAR CUTTING TOOLS

FASTEST DELIVERY TIME

POWERFUL

PROCESS-OPTIMIZED



Efficiency meets precision - Maximize your production results and reduce your costs!

hommel-keller.de

QUICK

Constant optimization of gear cutting processes: This is our commitment to our customers. With our hobs and form cutters, machining results can be improved by up to 60% in terms of time savings. Our specialized know-how as a tool manufacturer enable us to deliver efficient and application-oriented solutions for our customers in the shortest possible time.

PRODUCT PERFORMANCE

When manufacturing gears, the geometries must be manufactured precisely so that the components mesh perfectly. No mistakes are allowed!

That's why we rely on state-of-the-art technology in which geometry and coating are optimally coordinated - because the right coating is crucial for a longer service life.

OUR PRODUCT RANGE

- bore type hobs
- bore type form cutters
- Shank type hobs
- Shaper cutters and skiving cutters

EVERYTHING FROM ONE SOURCE

- Decoating
- Sharpening
- Cutting edge preparation
- Coating

COATING STANDARD

To improve speeds and feeds for dry, wet and hard machining:

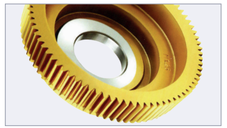
- Excellent heat resistance
- Impressive wear resistance
- High resistance to oxidation
- Individual and application-oriented recommendation for further coatings

YOU NEED A SERVICE PROVIDER THAT YOU TRUST? WE WILL 100% CONVINCE YOU.









ADVANTAGE

FASTEST DELIVERY TIMES

Our gear cutting tools stand for efficiency - not only in use, but also in procurement. Thanks to optimized production processes and sophisticated logistics, we guarantee fast availability so that your projects can be implemented without delay.

ABSOLUTE PRECISION

Perfection right down to the smallest detail: Our gear cutting tools are manufactured with the highest precision to ensure perfect tooth geometry. The result is precise tools that meet even the highest demands.

MAXIMUM SERVICE LIFE

Benefit from robust materials and innovative coatings that minimize wear and significantly extend the service life of our tools. This reduces your replacement investments and production downtimes.

ENERGY EFFICIENCY AND PRODUCTIVITY

With our gear cutting tools, you not only achieve optimal results, but also increased energy efficiency. The reduced energy requirement and high performance make your production more sustainable and cost-efficient.

FLEXIBLE AND INDIVIDUAL

Whether for standard applications or specific challenges: We offer the right solution for every requirement and develop individual special tools on request, perfectly tailored to your processes.

INNOVATIVE MANUFACTURING

Our tools benefit from state-of-the-art production processes and continuous further development. This ensures that you always benefit from the latest technological advances and a consistently high standard of quality.

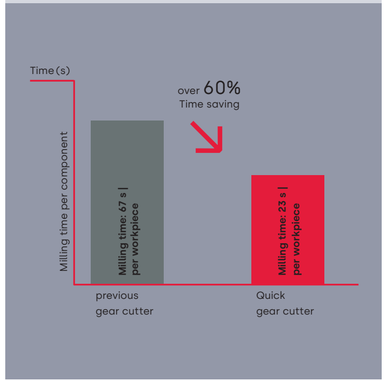
ON POINT:

FASTEST DELIVERY TIMES AT AN UNBEATABLE PRICE

APPLICATION EXAMPLE

Optimization of the gear cutting process on a toothed belt wheel





FACTS

- Component: Timing belt pulley
- Material: Aluminum-magnesium alloy
- Pitch: 3.00 mm
- Number of teeth: 48
- Tooth width: 17.0 mm

POTENTIAL FOR IMPROVEMENT

- Long milling time - 67 s per component
- Poor chip formation
- High wear
- Large feed marking depths

HOMMEL+KELLER PROCESS OPTIMIZATION

- Optimization of the number of gears
- Adjustment of feedrate
- Beautiful chip formation

Improvements in the gear cutting process:

- Milling time per component only 23 s
- Less wear
- Smaller feed marking depths resulting in better quality of the gearing and surface of the workpiece