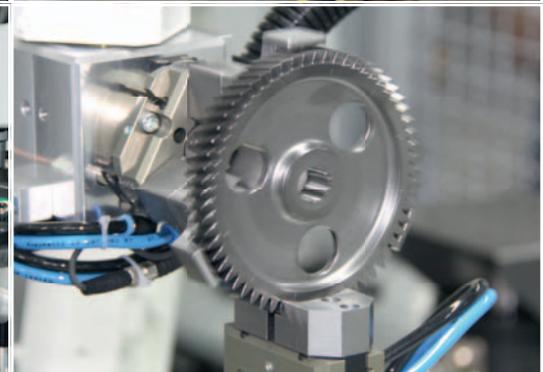


 **KOEPFER**

Zahnrad- und Getriebetechnik GmbH



English



KOEPFER – The Company

KOEPFER is a company with an international customer base and production facilities in Germany and Hungary. Our product range covers high-quality gears, sprockets and gear boxes made to customer specification.

Areas of expertise

We can draw on over 140 years of experience in the development and production of gears and apply all the technologies required for the manufacturing of gears, sprockets and gear boxes. These technologies are maintained at a state-of-the-art level by consistently high investments.

Available technologies

Soft machining:

Turning, milling, hobbing, shaping, deburring, broaching, rolling

Heat treatment:

Annealing, tempering, case-hardening, gas nitriding, gas nitro-carburising, induction hardening, plasma nitriding

Hard machining:

Hard broaching, grinding, honing, hard turning, finishing, skiving, gear grinding

Assembly, measuring, testing



AUTOMOTIVE Gears for Motor Timing

Increasing demands for fuel-efficient engines and drive systems also has changed the demands put on gears for engine controls. This has had a direct effect on manufacturing: new materials, new geometries and consequently new workpieces with exceptionally high demands on component quality and productivity levels.

With its existing manufacturing know-how and the available technologies KOEPFER can offer an economical solution for almost any production requirement.

Materials machined:

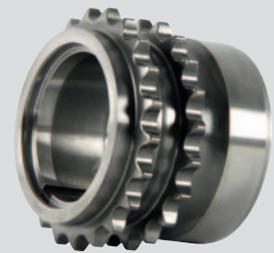
Case-hardened steel, Q+T steel, machining steel, stainless steel (components produced from bar stock or forged blanks)

Module range: from 0.5 mm to approx. 4.5 mm
Diameter range: from 10 mm to approx. 220 mm
Helix angle: 0° to 45°

Assemblies:

Assembly of components, including quality and functionality tests.





AUTOMOTIVE Sprockets

KOEPFER manufactures sprockets with standard and special tooth profiles.

Our quality assurance system documents the production process entire and guarantees that your workpieces will always be of the highest quality.

Materials machined:

Case-hardened steel, Q+T steel, machining steel, stainless steel (components produced from bar stock or forged blanks)

Gear profile geometry: to customer's specification
Diameter range: from 25 mm to approx. 220 mm

Assemblies:

Sprockets including those with assembled bearing components





AUTOMOTIVE Gear Box Components

The demands on gear box components are increasing too. Requests for low noise behaviour and long life have become a matter of course; but, there are other subjects on which developments are focusing, such as lightweight construction and parts with greater design complexity.

This makes new and even greater demands on the manufacturing technology. KOEPFER consistently invests in modern production equipment, to be able to continuously offer solutions for today's demanding gear processing requirements.

Manufacturing variants:

Straight and helical gears including hard fine-machining operations and splines.

Total length of shafts: max. approx. 320 mm
Workpiece weight: max. approx. 7 kg
Module range: from 0.5 mm to approx. 4.5 mm





AUTOMOTIVE

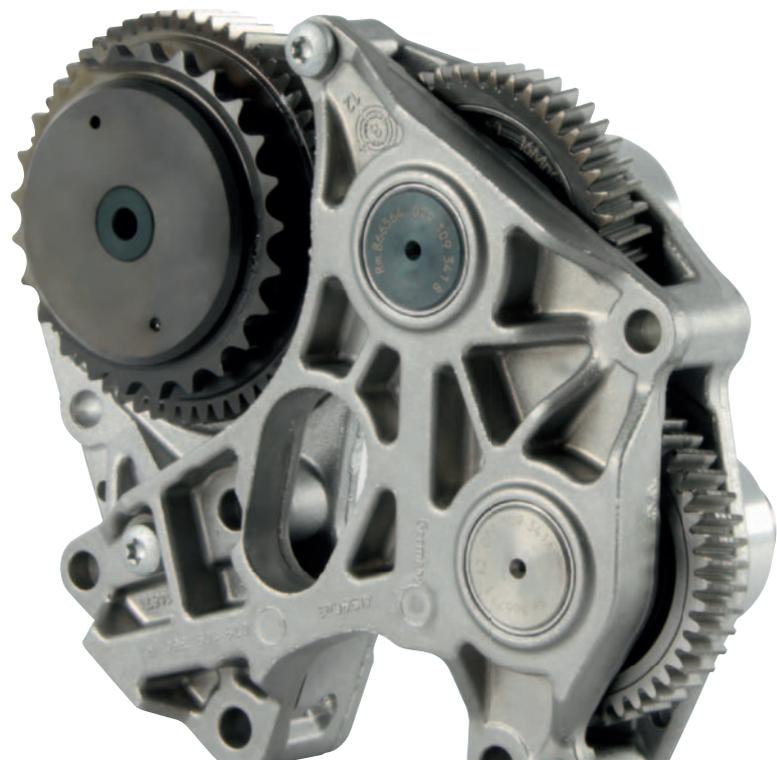
Auxiliaries and Assemblies

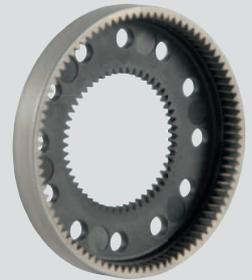
As a system supplier we help to implement, in cooperation with our customers, complete gear and transmission projects – among others for auxiliaries in the engine sector. As part of our partnership in development and manufacturing, we support our customers in the production of prototypes and also as a competent series supplier.

We independently procure components for assemblies and transmission systems and provide services in the logistic sector for our customers.

Drives and assemblies for:

- Oil Pumps
- Water Pumps
- Steering Pumps
- Air-Conditioning Compressors
- Generators
- Balancer Shaft Systems





NON-AUTOMOTIVE Components and Assemblies

Our clients in the non-automotive sector also benefit from our many years of experience in the development and construction of transmission systems. Our knowledge and experience in everything from prototype to batch production can prove commercially interesting for your product.

Drives and assemblies for:

- Gear Boxes for Cranes
- Power Tools
- Traction Drives
- Bicycle Gear Boxes
- Building Services Engineering
- Medical Instrument Manufacture
- Machinery and Plant Engineering
- Automation Technology



KOEPFER
Zahnrad- und Getriebetechnik GmbH

Josef-Koepfer-Strasse 8
78120 Furtwangen
Germany
Phone +49 7723 655-0
Fax +49 7723 655-133
E-mail info@koepfer.com
www.koepfer.com

