



ZKL GROUP

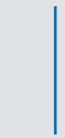
**ENGINEERED
FOR EXCELLENCE,
TRUSTED FOR
PERFORMANCE**





SINCE 1921

We are a leading global manufacturer of technologically advanced bearings. Since 1921, we have been developing, producing, and supplying bearings for world leaders in the energy, transportation, and industrial sectors.



Energy



Railway



Processing industry



Customized solutions



We are creators of motion

○ We are a group of Czech companies and we produce rolling and special bearings under the ZKL brand. We develop, produce and supply bearings and their accessories for the most demanding applications. We can extend the service life of all machines. Throughout its existence, ZKL has focused mainly on the field of transport, energy and light and heavy industries and thanks to our own research and development, we are now able to find solutions even in seemingly unsolvable cases.

○ You can find the ZKL Group in the Czech Republic and around the world. The production plants have had solid foundations since 1921 in Klášterec nad Ohří. The management of the Group, the technology centre and the sales organization are based in Brno - as well as another production plant which started its production activities in 1947. ZKL products are used by companies in 70 countries around the world, namely in Europe, America, Asia and Africa.

Reliable partner



We get the most out of the bearing design



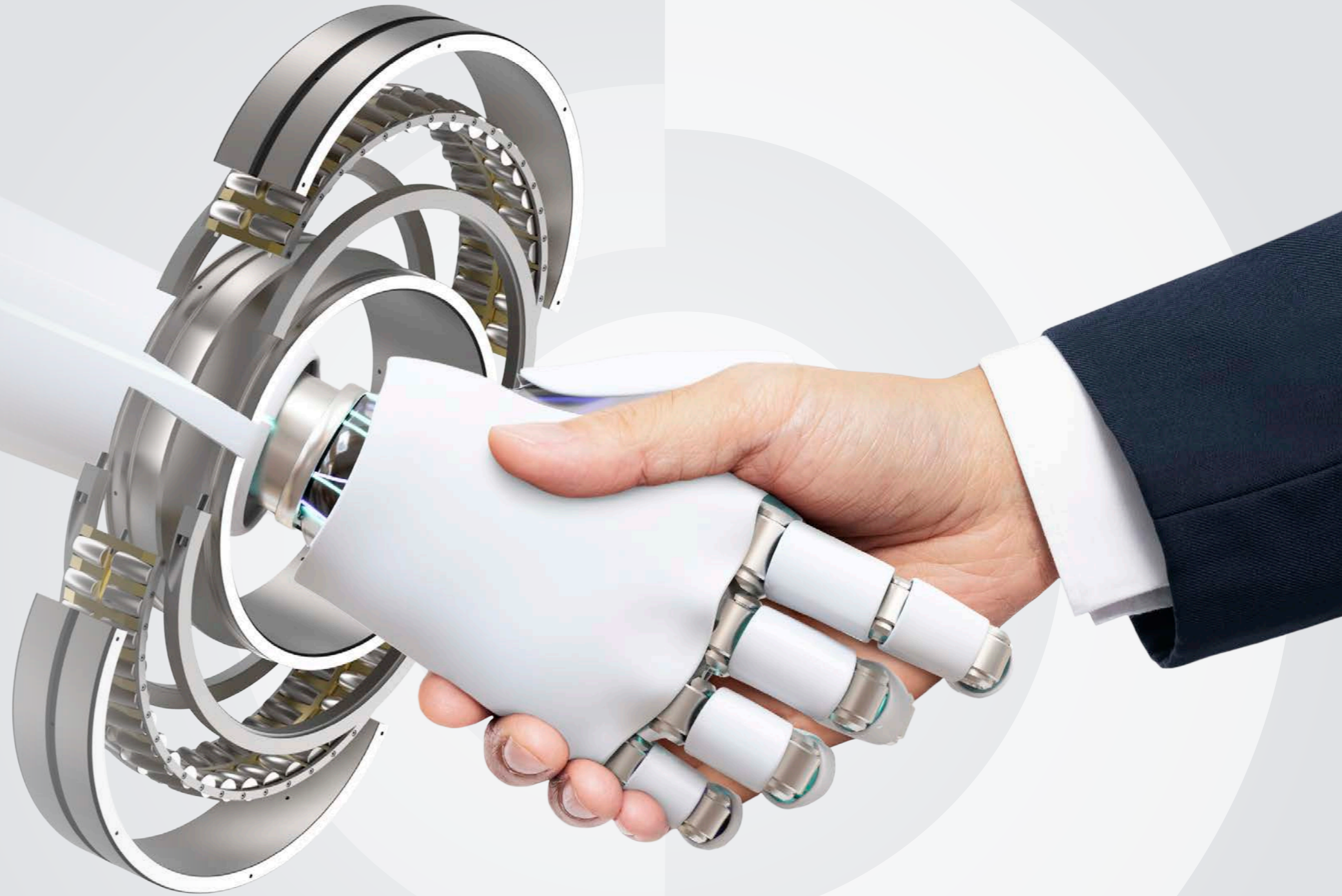
We produce quickly, efficiently and with quality



We are a reliable partner thanks to cooperation with long-term and proven suppliers

A CHOICE WITH A COMPREHENSIVE KNOW-HOW

We thrive on a foundation of long-standing expertise, our skilled workforce, cutting-edge research and development, and the latest technologies. Your success is built on our strong pillars of innovation and knowledge.





100 years of tradition and quality

CZECH ENGINEERING TRADITION

At ZKL Group, we honor a rich legacy of each of our member companies, building on their longstanding histories. Through continuous innovation, we pave the way for a modern future in Czech engineering. Our more than 100-year history is marked by significant technical advancements, business successes, and other milestones.

1921

Establishment of a production plant for roller bearings in Perštein nad Ohří

1947

Establishment of a production plant in Brno

1999

Establishment of the consolidated group of roller bearing manufacturers ZKL, a.s.

2014

Introduction of the railway bearings program at ZKL Klášterec nad Ohří, a.s.

2016

Continuous capacity expansion for large-size bearings up to 2 meters at ZKL Brno, a.s.

2022

Expansion of railway bearing production capacities





Group structure and highlights

A WHOLE MADE OF PARTS

We are a group of Czech companies consisting of 2 manufacturing plants, a sales organization, and a technological center conducting its own research and development. We have 5 business units abroad.



58 We achieved a turnover of 58 mil. EUR



85 More than 85 % of sales come from exports



500+ Over 500 people have found work with us



10K We have already produced more than 10,000 products



100 100 years of experience



ZKL
VÝZKUM
A VÝVOJ, a.s.

ZKL
KLÁŠTEŘEC
NAD OHŘÍ, a.s.

ZKL
BEARINGS CZ, a.s.

ZKL
BRNO, a.s.

ZKL
ARGENTINA

ZKL
CHINA

ZKL
INDIA

ZKL
TÜRKIYE

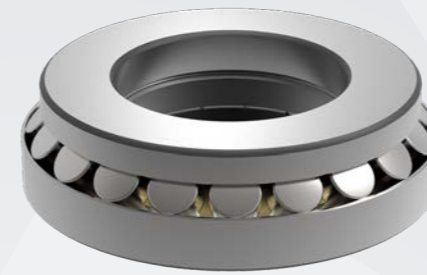
ZKL
UKRAINE

Our production range

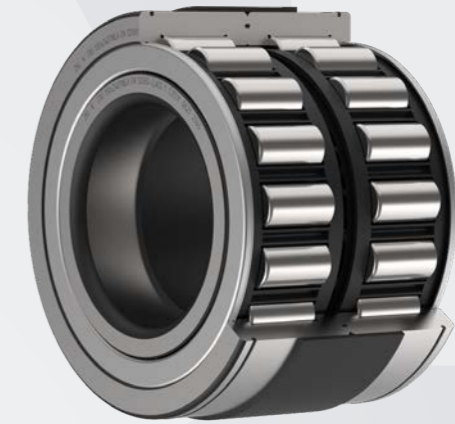
WE HAVE UNIQUE SOLUTIONS

We develop, manufacture, and supply bearings and their accessories for the most demanding applications and your specific needs.

-  Know-how
-  Competence
-  Research and development
-  Technologies



● Radial and thrust spherical large size bearings



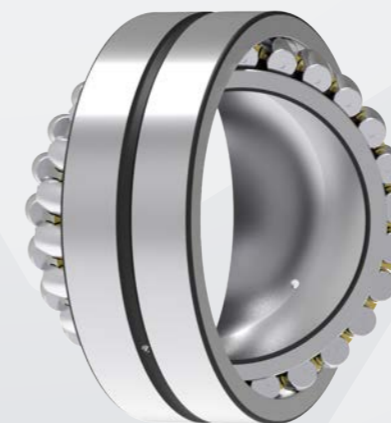
● Railway bearings



● Split bearings



● Bearings for industrial gearboxes



● Bearings for special applications and maximum performance (wheels of sport cars)

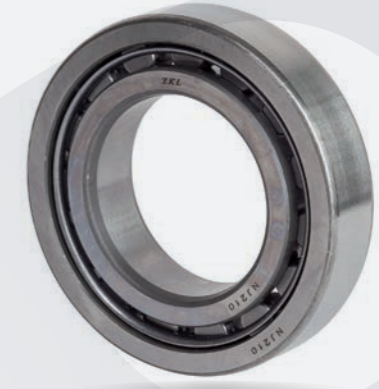


WE ARE BEARING SPECIALISTS

We produce a complete range of ball, spherical, roller, tapered, and special bearings under the brands ZKL and ZKL New Force.



- Single row taper roller bearings
 - in metric dimensions
 - in inch dimensions



- Single row cylindrical roller bearings
 - N, NU, NJ, NUP type



- Double row self-aligning ball bearings
 - with cylindrical bore
 - with tapered bore



- Single row deep groove ball bearings
 - with shields or sealing
 - with snap ring groove



- Thrust ball bearings
 - single direction
 - double direction



- Double row spherical roller bearings
 - with cylindrical bore
 - with tapered bore



- Single row angular contact ball bearings



- Double row angular contact ball bearings



- Spherical roller thrust bearings



Catalogue Roller bearings



KNOW-HOW

FLEXIBILITY

**CUTTING-EDGE
TECHNOLOGY**

DIGITALIZATION

AUTOMATION

PEOPLE

Excellence in precise manufacturing

QUALITY TAKES PRIORITY

ZKL bearings are operated in high-stress environments with stringent precision requirements. Customer satisfaction in these industries is supported by our commitment to maintain the quality and precision of our bearings into the future.



ZKL applications



Wind energy

The trend in wind energy is to reduce production costs of electricity produced per MWh while maintaining the quality and reliability of power plants. The innovative ZKL main rotor bearing solutions for different main shaft bearings' arrangements allow you to remain competitive and efficient at the same time.



Wind energy



Railway



Steel industry



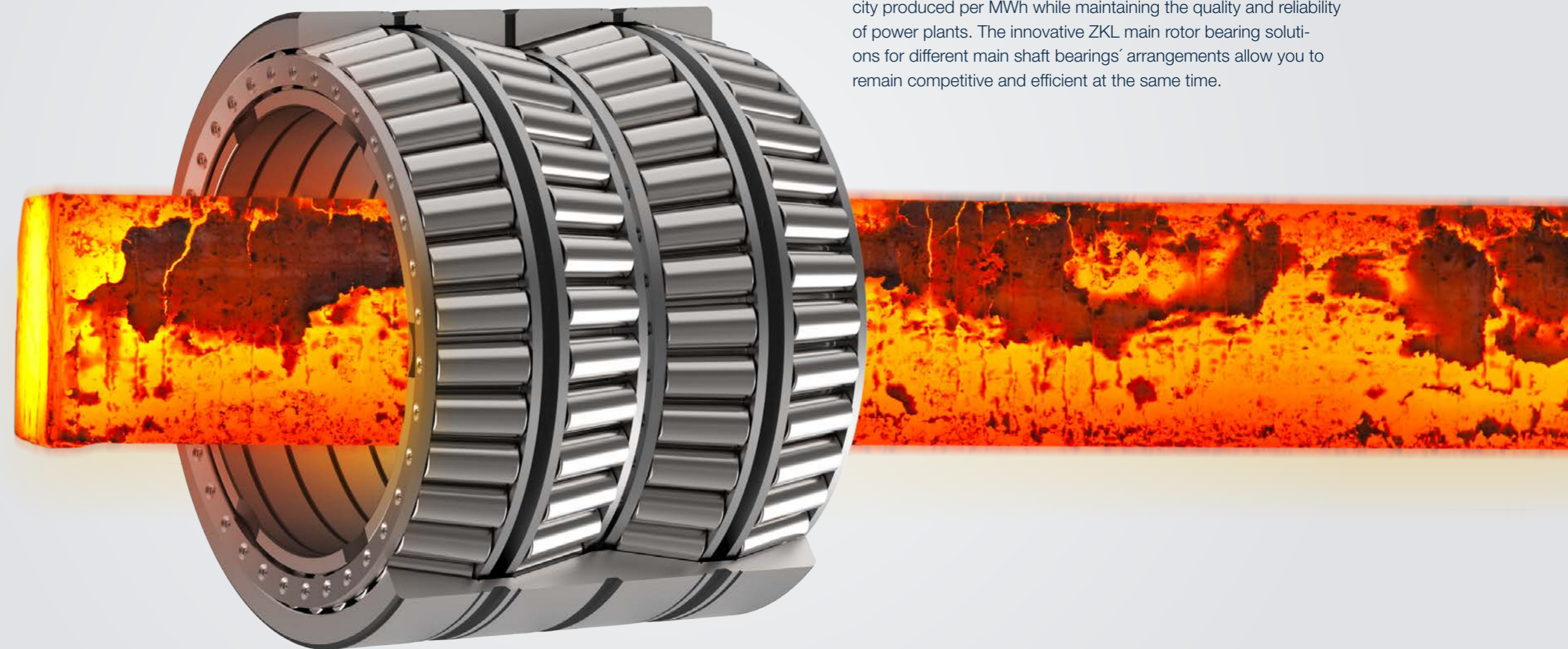
Raw material processing



Mining industry



Agriculture



BEARINGS FOR DEMANDING APPLICATIONS...

ZKL is a proven and reliable supplier with certifications for several industrial companies. The produced range of standard and special bearings of the ZKL brand meets the most demanding customer requirements in a wide range of individual industries.



Steel industry

Rolling mills, continuous rolling mills or converters are characterized by such unfavourable operating conditions as only few other applications. Ever-present dust, high ambient temperature, high humidity, shock loads, high rotational speeds - bearings in steel mills and smelters are commonly exposed to all this. And we have a solution for that.

...LARGE MACHINES AND SUSTAINABLE TRANSPORTATION

Railway

Rail transport can be described as the safest and most economical land transport for people and goods. As in other industries, in the railway industry we place great emphasis on the reliability of individual parts. We follow the current trend of extending service intervals. This reduces customer costs related to the operation of the rail vehicle.



Raw material processing

Significant temperature fluctuations, high levels of dust, humidity or vibration and shock loads - mining and processing of raw materials simply takes place in very demanding operating conditions. In ZKL, we offer a wide range of technical solutions for individual segments of this industry. We make the most of the design of the bearings so that the operation of each device is as cost-effective as possible.



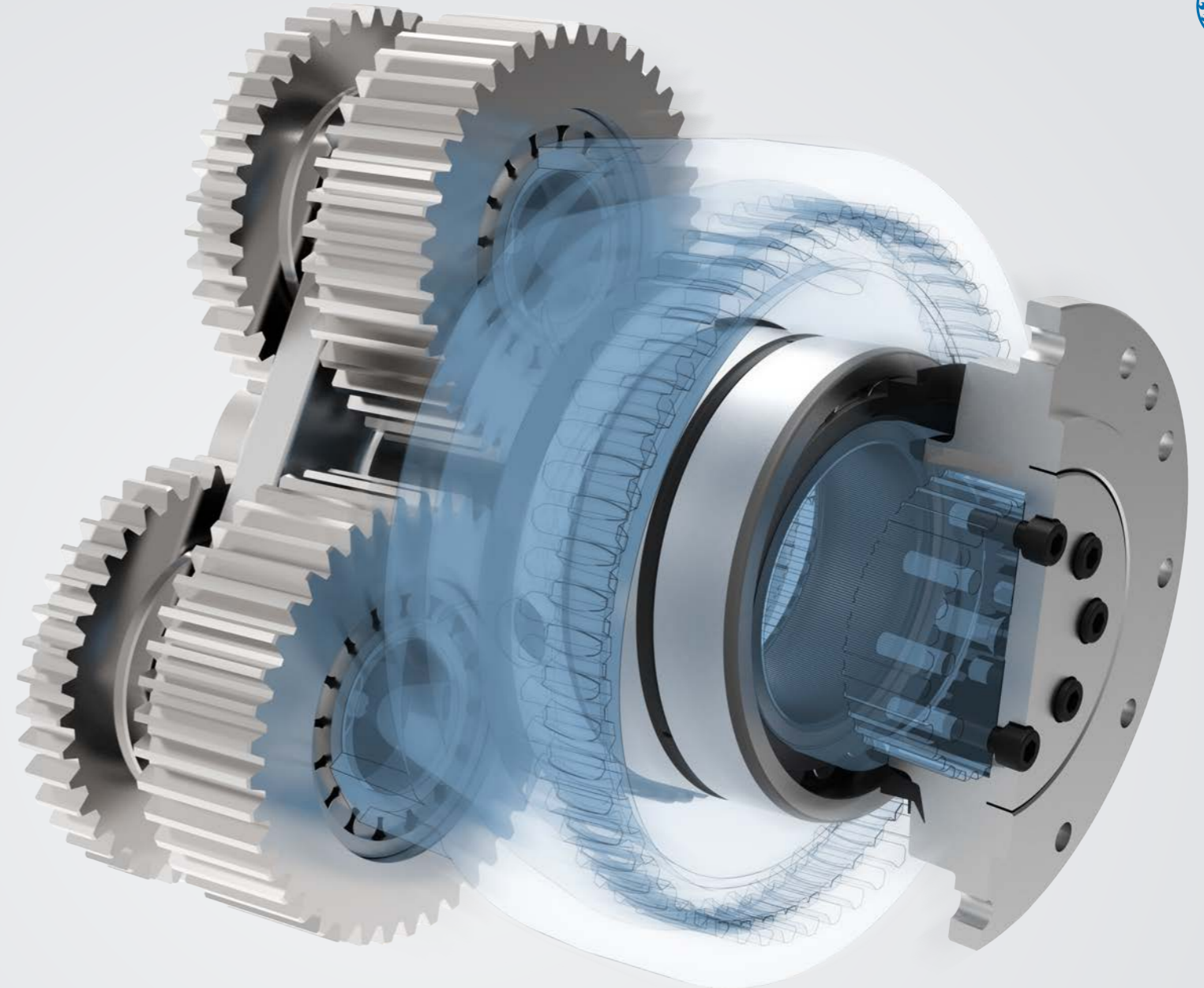
Agriculture

In the case of agricultural machines, customers prefer easy assembly, maintenance and replacement of bearings. However, devices often have non-standard dimensions and shapes, which means that special bearing designs are also required: for example, with non-standard installation dimensions, special sealing system requirements or atypical external geometry to facilitate their assembly. In ZKL, we not only offer a standard range of bearings, but we also provide design of bearings tailored to your requirements.



Mining industry

Mining of materials, their processing or ground construction works by heavy machinery, mechanization, and many other devices, all operating in harsh working conditions - high humidity, fluctuating temperatures, dusty and polluted environment or under different types of loads. Nevertheless, the components of these devices must be as reliable as possible and have the most cost-effective operating solution. Throughout 100 years of existence we have supplied dozens of types of special and standard bearings around the world.





Sales and distribution

 **100** authorized distributors

 **50** countries

 **6** continents

BRNO



FROM BRNO TO THE WHOLE WORLD

Customer trade, both domestically and internationally, is managed by the group business company, ZKL Bearings CZ, a.s. It is realized through an authorized distribution network as well as through direct deliveries to significant end-users, OEMs, and MROs.

ALWAYS LOOK FOR THE ORIGINAL

When you purchase a bearing, you expect it to last as long as possible. Only an original product is a reliable and secure product. When buying ZKL bearings, stick to our authorized distributors located worldwide. It's the best way to avoid counterfeits.

Services

-  **Application engineering**
-  **Engineering**
-  **Testing**
-  **Root cause analyses**
-  **Bearing remanufacturing**
-  **Authorized expertise**

The Technical Sales Support Department is fully available to address our customers' needs. Our skilled professionals are ready to promptly resolve requests and questions in the field of rolling bearings, providing information on bearings, accessories, and tribology.

We offer expert supervision during the assembly and disassembly of bearings directly at the customer's site and provide professional training for customers' personnel at our training centre. We collaborate with manufacturers on the development of rolling bearings. We prepare expert assessments for failed bearings, determine the causes of failures, and propose measures to prevent them.



WE'RE AT YOUR SERVICE

Do you need advice on bearing seating? Your bearings failed prematurely, and you wonder why? You don't know how to lubricate the bearing correctly? Or are you looking for a reliable partner for product development or verification using FEM simulations?



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