



IBC. Precision with future.





Historical Location

Our headquarters, with the plants in Solms-Oberbiel and ABlar, are conveniently situated in the centre of Germany. The immediate connection to major north/south routes as well as to the main routes leading east and west not only forms a central position in Germany, but also within entire Europe. The near airport of Frankfurt a. M. connects us worldwide.





IBC Wälzlager GmbH, Industrial Bearings and Components, has more than 30 years experience in the field of bearing technology. IBC successfully continues the tradition of the 1918 founded Robert Kling Wetzlar GmbH.

Continuously developed and optimised products show the technical competence, high productivity and performance of the production plants in Solms-Oberbiel (Germany), Aßlar (Germany) and Grenchen (Switzerland). IBC is a reliable partner for customised system solutions and unique solutions for precision bearings, not only in propulsion technology and in machine tool manufacturing, but also in the whole industry and trade, with distribution subsidiaries and representative offices worldwide.

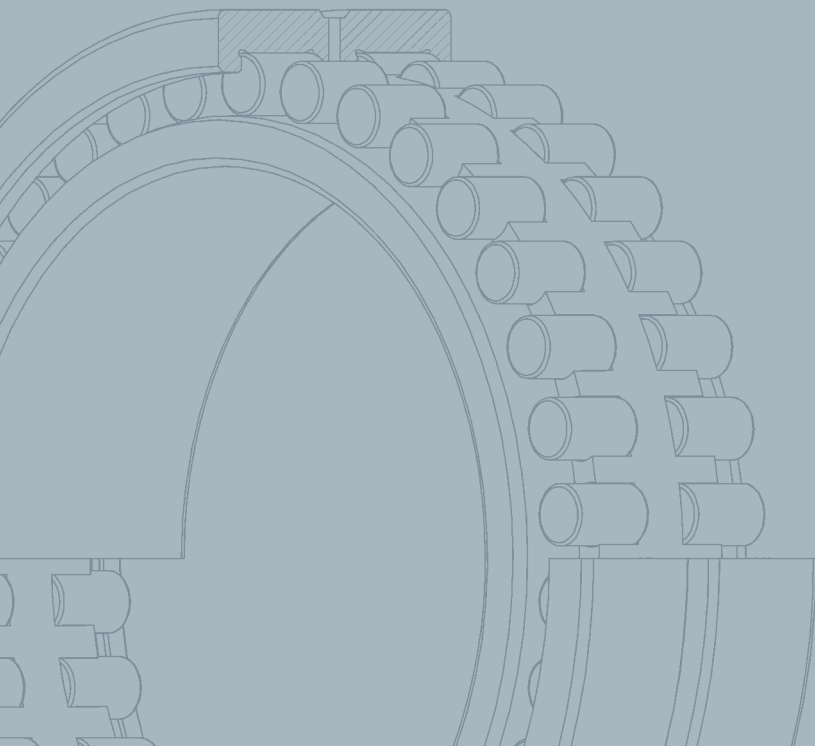
Permanent increase in demands on quality bearing systems is leading on to new developments of various technologies and new materials, to meet the high and very specific technical and economical fields of application.

We are taking responsibility for this fact by continuous increase in performance of products and technical processes, as well as extension of product range.

The strategic importance of quality and the consequent following up of our corporate policy has decisively supported the success of our company in all important market sections worldwide.

As our customer's reliable partner, it is our intention to

- take care of special requests in special market segments.
- provide market conform, cost and energy saving solutions with high product quality.
- take over a leading position in these markets worldwide.
- satisfy our customers through flexibility, dependability and technical application support.



Quality Policy

Quality thinking and quality awareness are rooted deeply in our company philosophy. The high quality of our employees, our technical development on a high level and our modern production sequences guarantee maximum product safety.

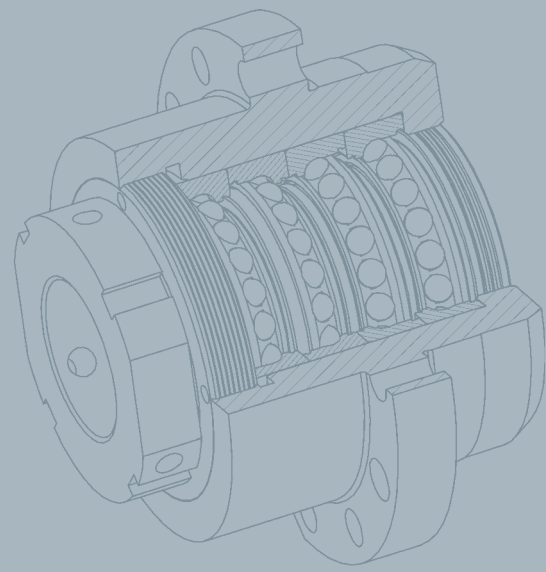
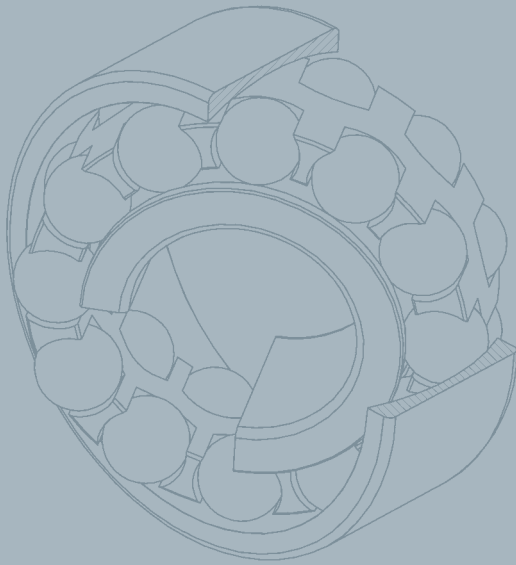
Management and executives are primarily responsible for fulfilling a consistent and universal quality policy. It is their example and their behaviour that leads all employees to goals, which have been agreed upon together. This also includes compliance with ecological standards and labour laws, which have the same validity for employees as well as for suppliers. This shared goal orientation in combination with constructive teamwork results in a permanent increase in the efficiency and performance of our products and processes.

Continuous staff training and an intensive and fair co-operation with customers and suppliers as well as close contact with universities serve the shared goal definition and form the basis for the TQM system, which has been implemented at IBC.

Permanent quality inspections are integrated in the manufacturing process, thus providing the same high quality level of all our products.

Our quality management system is implemented and accredited according DIN EN ISO 9001:2000 for design, development, production and sales of all kinds of rolling bearings and linear motion bearings.



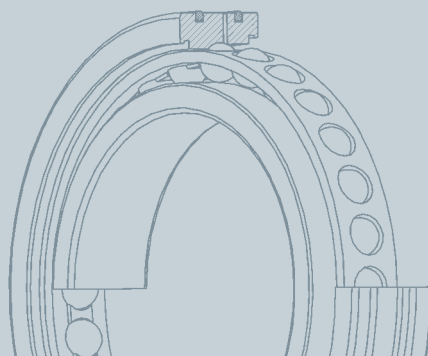


Development

The development and design of products and applications decisively determine our service. Advanced thinking - with the aim to present the best, innovative solution. We reach these goals by highest competence, efficiency, reliability, creativity and customer relationship combined with reduced energy consumption as well as continuity in environmental friendliness.

The consistent and skilled combination of construction, customer requests and distribution offers a whole variety of advantages, mainly achieved by efficient gathering of information, information evaluation and forwarding of information. This leads to permanent improvement in all areas, including the supplier, the manufacturing unit and also the customer.

Our great commitment to innovation is, amongst other things, reflected in our intensive activity in research and development. The main areas we focus on are basic research, material technology, tribology, but also the optimisation of manufacturing processes. An example for this is the variation in material and ATCoating of bearing components, which means an increase of the product's efficiency. The products are tested under varying and extreme conditions on testing facilities at IBC as well as in independent institutes and in field tests. More than serving research, our modern equipment - in the hands of trained, skilled workers - reaches even further than this, thus allowing the production of high precision bearings, according to the highest standards of quality and ensured for a long period of time.





Tradition

Ideas

Know-how

Production Line

Radial Ball Bearings

Angular Contact Ball Bearings

Tapered Roller Bearings

Cylindrical Roller Bearings

Spherical Roller Bearings

Thrust Bearings

Shaker Screen Bearings

Heavy Machinery Bearings

Special Bearings

Spindle Bearings

High Precision Bearings

Hybrid Bearings

Ball Screw Support Bearings

Precision Lock Nuts

ATCoat Bearings

Linear Motion Bearings

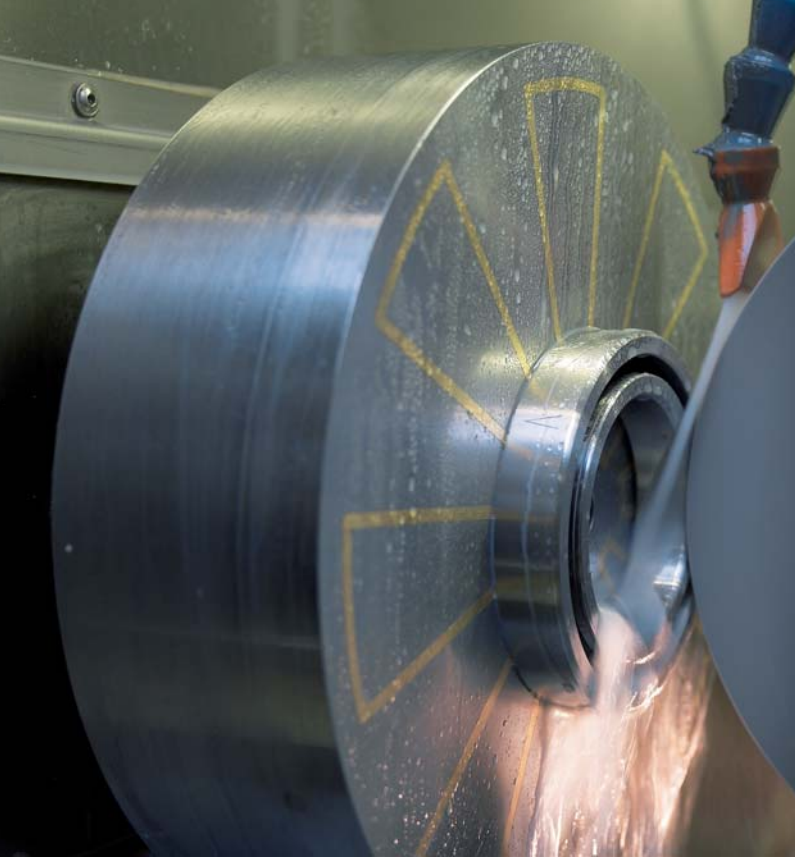
Linear Guides



Competence

Precision

Future



Manufacturing

The most modern production engineering contributes essentially to the production of high precision bearings, thus guaranteeing the product's top safety - the only way to reach our ultimate goal: Perfect performance.

Beside considerable investments in our headquarters in Solms-Oberbiel (Germany), as well as in the manufacturing capacities Grenchen (Switzerland) and Taichung (Taiwan) an additional manufacturing facility was established in Aßlar (Germany), equipped with full climate control and a clean room for assembly.

The inspection of all processes, which begins with the purchasing of raw materials and continues in the hardening processes as well as in the automated production with the most modern CNC machines and flexible manufacturing systems, provides constantly high product quality.



Communication

Despite all technical aids, the personal communication of our employees has an irreplaceable value between our customers, development and manufacturing. A dialogue between partners serves the shared goal definition and consistent pursuit of these goals. The only way possible for customeroriented global thinking and action.

The newest information about IBC, such as, for example, important national and international fairs on which IBC is represented can be found on the Internet under: www.ibc-waelzlager.com. Technical documents such as installation drawings in file form and purposed for direct download, are also often available here.





Product Range

In many cases bearing problems can't be solved with the standard bearing stock range. Thus, the factors reliability, functionality and economic efficiency are most important in order to meet the requirements and high expectations of our customers, set in an industrial bearing.

In addition to precision angular contact ball bearings (spindle bearing), the product range has been complemented with our newly developed EXAD high-performance cylindrical roller bearings and adjusted angular contact ball bearings, radial ball bearings, hybrid bearings and bearings in special designs, as for example used for turbo-charger, compressors, separators and vacuum pumps in the area of precision bearing.

Depending on application high precision angular contact ball bearings from IBC can be delivered in different materials and with different contact angles, different diameters of balls, made out of steel or ceramic, in open or sealed version.

Direct lubrication through the outer ring is another possible variation. The most convenient bearings can be chosen depending on the requirements regarding rotational speed, load capacity, rigidity, and lubrication as well as any further surrounding parameters.

Furthermore, IBC manufactures high precision roller bearings as spindle bearings. Additional to the well-known designs NN and N the high-speed design HN is also manufactured. In addition to this, precision taper roller bearings and precision spherical roller bearings, ball screw support bearings, angular contact ball screw support bearings as well as screen bearings and bearings for heavy-duty machines are manufactured.

Further components of the bearing systems like precision locknuts and labyrinth seals are essential parts of the IBC's delivery programme for many years.

Further more IBC is producing an extensive programme of precision flange units and pillow block units.



An IBC linear motion bearing product range for a whole range of different applications completes the well-known and proven bearing product range.

The IBC delivery programme is enhanced by ATCoat thin dense chromium coated high precision bearings and linear motion bearings for special applications. Prolongation of usage, reduced wear and friction as well as reasonable corrosion protection are the main value-added benefits of ATCoat high precision bearings and linear motion bearings.

More detailed information about the different bearing designs, as well as the choice of the right bearing and correct, safe integration into individual constructions can also be found in the respective product catalogues. It is this extensive product range of delivery and the worldwide support of our customers on site by our service department and technical departments that enables us to find specific and economic bearing solutions, together with our customers, for their bearing assignments.

Präzision mit Zukunft - Precision with Future - remains without alternative.

We are future orientated. We have the creativity and visions to perform and provide.



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