Bearings and Housings from HFB.

Technology in motion.
HFB Wälzlager- und Gehäusetechnik GmbH was formed in 1996. On a production area of over 4,500 m² HFB applies state-of-the-art technology to manufacture housings for bearings and drive elements.

Our service starts with professional advice, including drafting and precision engineering design, but also quality controlled manufacture of customized speciality products for users of drive technology worldwide.

Naturally, our program also covers a broad range of first class standard products.

Round-off program: HFB housings and bearings

For finishing we have several surface treatments available: zinc coating, nickel plating etc. and our high efficient stainless steel coating SSP (Stainless-Steel-Protection) which is a surface protection against climate influence, abrasive wear and corrosion.

Using quality-tested input materials, we apply the most modern equipment for machining grey cast iron, nodular cast iron, cast steel, stainless steel, nodular cast iron, etc. – for operating ranges from -50 °C up to +350 °C.
HFB is a well-known manufacturer of bearing housings and drive components for a wide variety of applications. International customers with highly diverse drive technology requirements benefit from our extensive experience. The broad range reaches from standard quality products to customer-specific individual specialties based on high technology engineering (for example: products under acid or temperature resistance or food-processing applications).

### All from one source

Among the selling of housings, drive elements etc. HFB have available competence by co-operating partners in the range of roller bearings and adapter sleeves such as complete solutions on our customers’ request, mounted inclusive bearings and shaft for demanding drive technology.

### A complete program: for a great variety of machine applications

- Plummer block and take-up units for conveyor systems of all sizes
- Ball bearing housing units for shaft diameters 12-120 mm
- Oil and grease lubricated housings for fan-industry
- Split plunger block housings made from grey cast iron, ductile iron and cast steel
- Grease lubricated plain bearings with bronze bushes
- Housings with special design manufactured to customer’s specification
- Mine car bearing housings, wheel-set bearing housings of handling trolley for lime sand brick production, flange bearing housings for spherical roller bearings with adapter sleeve
- Roller chains, sprockets, couplings and tapered v-belt pulleys

HFB spherical roller bearings are measure stabilized up to +200 °C from bore Ø 200 mm. They are available in a crossfire of constructions, concerning clearance, material (e.g. case hardened), lubrication etc.

Available executions depending on the bearing array and the bore dimensions of the inner ring:
- **CC:** Two sheet metal cages with a guidance ring at the inner ring
- **CJ:** One piece machined double pronged brass cage with guidance in the middle of the inner ring and two shoulders at the inner ring
From large-sized housing to serial production housing: powerful technic from HFB

In recent years HFB constantly invested in newest production equipment. The outcome: high technology machinery. The double bearing housings BL, PDNI and ZLGO can be machined in a single cycle on our modern 5-axis machining centers—just as the related shafts at our CNC lathe centers.

Our high-performance CNC boring, turning and milling machines produce high-precision cast and steel components.

Our cycled CNC machines allow us to turn parts with a circumference up to 1,800 mm in semi or fully automatic operation.

High experience in manufacturing large-sized housings: components weighing up to 2.5 t and measuring 1.80 m dia. machined with high precision.

A CNC lathe for machining a housing.

Quality products around the clock: high-performance robots feed mass produced parts to the lathes.
CAD Design Construction In-process defined random sampling using 2-D and 3-D measuring machines combined with careful final inspection guarantee HFB’s exceptional product quality.

At HFB, quality starts with the design of the products, a stage at which we define the input of our high-grade materials and our manufacturing precision. Our 2-D production drawings are supplemented by 3-D model drawings.

So that we can ensure for our customers a reproducibly consistent level of quality, we of course continuously monitor the manufacturing processes.

At the end of the manufacturing process final inspection procedures make sure that customers are shipped products complying with only the highest and most consistent standards of quality.

HFB – a company for quality!

CAD Design Construction

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In the high-bay warehouse HFB stocks over 8,500 items on an area of more than 2,200 m² – a variety of drive elements waiting to be shipped out to customers at once. Whether standard off-the-shelf components or others built to order, in either case we can respond flexibly and manufacture and deliver just in time. With networked production planning, control systems and a reliable logistics program we are able to process incoming orders at once. And, with our sales companies and numerous representatives we maintain an international presence and supply our products world wide.

Turn to our highly competent, service-focused engineers and technicians available by phone to answer your technical questions and provide instant help, even for the most complex problems.

We set the wheels in motion.
Sales companies

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