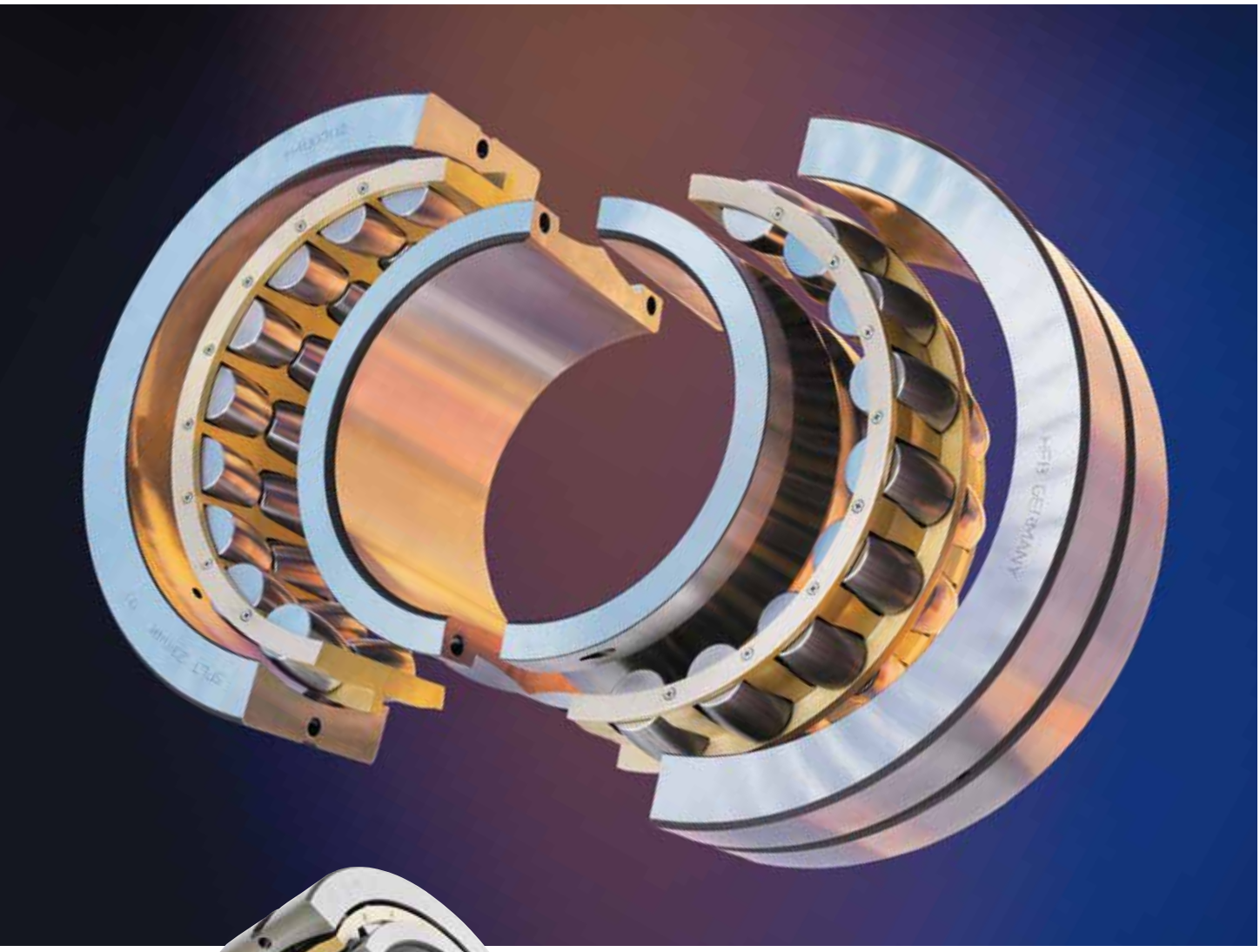
Split spherical roller bearings

The solution to reduce downtimes when replacing bearings



Product advantages

- Fully interchangeable with standard spherical roller bearings on clamping sleeve
- Constructional simplification possible
- Reduced assembly efforts
- Reduced maintenance efforts
- Quick exchange
- Minimized system downtimes
- Decreased maintenance costs

HFB – Technology in motion.

Split spherical roller bearings for more economical maintenance processes

Mining, conveyor technology as well as heavy engineering often use spherical roller bearings on clamping sleeve at places difficult to access. In order to replace those in the event of failure, other devices or complete modules must be disassembled in some cases as well; therefore, e.g. drives have to be disassembled or the propeller shaft has to be dismantled.

If the bearing is difficult to reach, this leads to considerable maintenance efforts and expensive production downtimes.

Split spherical roller bearings allow a fast and straightforward replacement of the bearing without initially dismantling the parts and modules attached to the shaft. Hence, downtimes of machines and plants can be reduced.

SDI plummer block housings made by HFB and split spherical roller bearings are the perfect combination for large plants where fast maintenance cycles with short downtimes are important.

Split spherical roller bearings reduce expenditure of time for regular maintenance as well as unscheduled repairs and significantly reduce the maintenance costs of the plant therefore.

The comprehensive product range compatible with standard series

The cross-section of the split spherical roller bearings is conform to the spherical roller bearings of the standard series on clamping sleeve. Split spherical roller bearings feature a cylindrical bore and can be fitted into existing split plummer block housings without any problems.

Standard spherical roller bearings on clamping sleeve can be quickly and easily replaced due to the design of the split spherical roller bearings – even at bearing places difficult to access. As a standard, split spherical roller bearings by HFB are manufactured with a solid brass cage. Constructional measures facilitate handling and assembly.

Split spherical roller bearings may have slightly lower load capacities compared to non-split spherical roller bearings due to the split cage.

Application examples

- Conveyor systems
- Mining industry
- Processing plants
- Belt drives
- Rolling mills
- Propeller shafts
- Ventilation units
- Paper machines
- Long shafts supported at several points
- Crankshafts

Programme summary

SPLT-series (type)	Replacement for standard spherical roller bearing on clamping sleeve (type)	Diameter Metric series (≥ mm)	(≤ mm)	Diameter Inch series (≥ Inch)	(≤ Inch)
SPLT 222..	222..	100	340	4	6
SPLT 230..	230..	110	630	5 ½	16
SPLT 231..	231..	100	480	6 7/16	16
SPLT 239../240../241..	239../240../241..	100	1.700	4	65
Detailed data sheets are available on request.					

HFB also manufactures special solutions on request, e.g. for shafts in inch dimensions.

Advantages of split spherical roller bearings

- Easy and fast installation, therefore shorter downtimes
- Reduced assembly efforts, therefore elimination of extra works
- Constructional simplification possible, therefore cost saving due to reduced engineering and/or maintenance efforts

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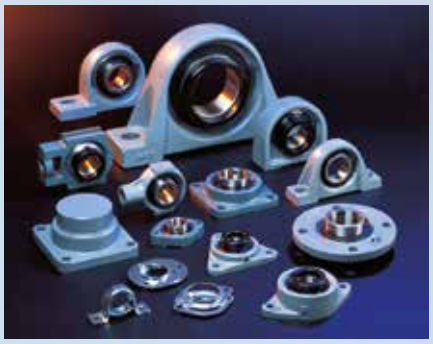
Extract of HFB's product range

Plummer block and take-up units for conveyor systems of all sizes



Ball bearing housing units for shaft diameters 12-140 mm

Oil and grease lubricated housings for fan and air-conditioning industry

Split plummer block housings made from GG 20, GGG 40 and GS 45

Grease lubricated plain bearings with bronze bushes

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