

# SPLIT ROLLER BEARINGS

**RKB**  
BEARING INDUSTRIES

*The Alternative Power*



## RKB: the Swiss Premium-Class Bearing Manufacturer

The RKB Bearing Industries Group is the Swiss manufacturing organization which has been operating in the bearing industry since 1936, with a monthly production capacity exceeding 350 tons of machined steel. The experience gained over the years provides RKB with the know-how and expertise necessary for the development and manufacture of technological industrial bearings up to 1925 mm outer diameter.

RKB offers reliable cost-effective solutions, with extreme operational flexibility, leading-edge service, huge stock availability, short delivery time and the typical quality of a consistent premium-class bearing source. With a worldwide distribution network and exports to more than 50 countries, RKB is globally recognized as *"The Alternative Power"* in the bearing industry.

## RKB Bearings for the Mines and Mineral Industry

Split bearings are mainly used where bearing replacement would need additional and costly work, involving the removal of other machine components.

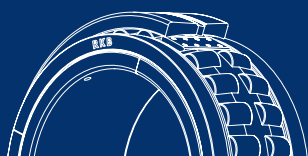
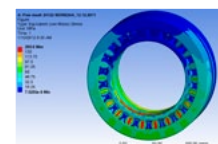
They are specifically engineered for arrangements particularly difficult to access (e.g in crankshaft). They permit bearing assembly and disassembly without the need to remove ancillary equipment.

This greatly facilitates maintenance operations and reduces machine-downtime when replacing the bearing.



## Engineering and Manufacturing Solutions at Your Service!

- Technical consultancy
- Application analysis and feasibility study
- Engineering and design
- Advanced calculations
- FEM and semi-analytical simulations
- Project co-engineering
- Product customization and optimization
- Advanced and flexible manufacturing technology
- Qualified on-field assistance



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ENGINEERED IN SWITZERLAND  
TECHNOLOGICAL BEARINGS



# SPLIT ROLLER BEARINGS



## Types available

- Single row cylindrical roller bearings
- Double row cylindrical roller bearings
- Spherical roller bearings

## Dimensional range

- ID > 250/300 mm and medium-heavy series

## Main industries and applications

- Mines and minerals (cement and aggregate)
- Metals

## Price

- Split bearings are 4 to 5 times more expensive than corresponding standard bearings

## Technical notes and warnings

- Split bearings are all highly engineered products, so every reference must be carefully evaluated and analyzed to check suitability with the application. Careful evaluation of the loads and working conditions to be performed. For this reason, customers must fill in the PRF for the requested bearing and adjacent components.
- Split bearings have wider inner ring, so MRO customers will need to change something in the application design to properly fit them. For this very reason, they are not easily interchangeable with the corresponding standard bearings.
- For original equipment (OEM), where split bearings are part of the original project and so specifically studied to fit with the adjacent parts, it's easier but it's always necessary to carry out precise analysis.
- Split bearings don't have a housing because they are not plummer blocks. They need to be mounted into any proper type of support

## Special designs and variants

