



# RKB

BEARING INDUSTRIES



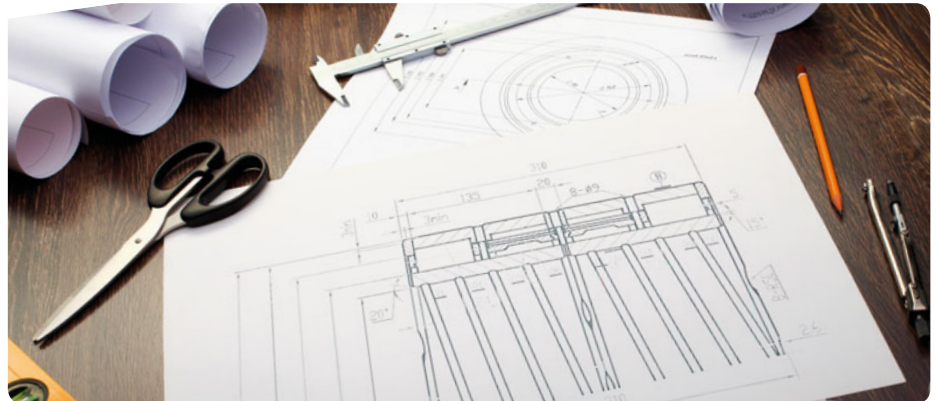
## The Swiss Premium Class Bearing Manufacturer

RKB (Roulement, Kugellager, Bearing) is the Swiss bearing manufacturing organization which has been operating in the bearing industry for over 70 years, with a monthly production capacity exceeding 350 tons of machined steel. The experience gained over the years provides RKB with the expertise necessary for the development and manufacture of technological industrial bearings up to 1925 mm outer diameter. RKB offers reliable cost effective solutions, extreme operational flexibility, leading-edge service, huge stock availability, short delivery time and the high, consistent quality of a premium class bearing manufacturer. 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 Cylindrical Roller Bearings

The cylindrical roller bearings (CRBs) manufactured by RKB are produced in many designs, dimensions and series, to withstand heavy radial loads and medium speeds, covering most of the requirements in a variety of standard and special industrial applications. All CRBs manufactured by RKB offers the highest load rating capacities, improved internal geometry, high quality materials and special heat treatments for superior performance.

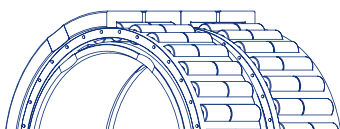
RKB CRBs are available with cylindrical or tapered bore in single, double or multi row configuration. Depending on application requirements, RKB Bainite Hardening Treatment (HB) and High Temperature Dimensional Stabilization (S) can be applied on bearing rings and rollers. The bearing dimensional and running accuracy conforms to ISO/ABMA/GOST specifications.



## Multi Row Cylindrical Roller Bearings

Multi row cylindrical roller bearings, also known as MULTIROLL, are made up of two parts: inner ring (L) and outer assembly (R), which includes outer rings, cage and four rows of rollers. They are mainly used in rolling mill stands, where they are subjected to very high radial loads and impacts combined with medium-low speeds.

RKB MULTIROLL bearings are manufactured in different executions, to suit a wide range of applications and environments, above all in the harsh conditions of the steel and aluminum industry.



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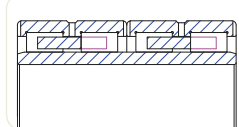
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ENGINEERED IN SWITZERLAND  
TECHNOLOGICAL BEARINGS



## Main Designs

### AF2D type



- Design used for small and medium size bearings
- One-piece ribless inner ring
- Two-piece outer ring with three integral ribs
- Double pronged high strength machined steel cage for increased stiffness and resistance to corrosive environments
- Annular groove and lubrication holes in outer ring
- Available with lubrication grooves in rings side faces
- Available with double pronged machined brass cage (A2D)

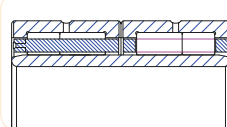
**HB**  
BAINITE HT

**S**  
STABILIZATION


  
PROFILE


  
VICTORY LINE

### GB2DX type



- Designed for rolling mill stands with automatic roll changing device
- One-piece ribless inner ring with increased length of chamfers to facilitate mounting
- Two-piece outer ring with integral ribs
- Two-piece reinforced window type machined brass cage with integral rivets (AVH) for optimized roller drop
- Long-short roller arrangement for better load distribution and reduced edge stress
- Optimized for oil lubrication and automatic grease lubrication systems

**HB**  
BAINITE HT

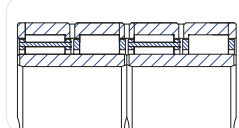
**S**  
STABILIZATION

**AVH**  
CAGE DESIGN


  
PROFILE


  
VICTORY LINE

### F2CII/EVO type



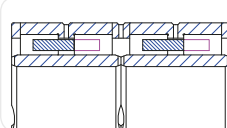
- Design used for large size bearings
- Two-piece ribless inner ring with lubrication grooves in side faces
- Two-piece outer ring with separated side flanges and one central spacer
- Two-piece pin type steel cage with lightened design for optimized lubrication
- Pierced rollers design for increased carrying capacities
- Available with two-piece window type riveted machined brass cage (EVO)

**HB**  
BAINITE HT

**S**  
STABILIZATION


  
PROFILE

### D2CII type



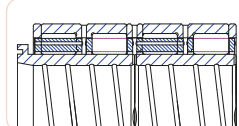
- Design used for medium and large size bearings
- Two-piece ribless inner ring with lubrication grooves in side faces
- Two-piece outer ring with separated side flanges and one central spacer
- Double pronged machined brass cage
- Annular groove and lubrication holes in outer ring
- Design for facilitated mounting and dismounting

**HB**  
BAINITE HT

**S**  
STABILIZATION


  
PROFILE

### Q2ACEVO type



- Design used for large size bearings with increased shoulder on inner ring for seal seating
- Two-piece inner ring with lubrication grooves in side faces
- Two-piece outer ring with separated side flanges and one central spacer
- Two-piece window type riveted machined brass cage
- Annular groove and lubrication holes in outer ring

**HB**  
BAINITE HT

**S**  
STABILIZATION

**AVH**  
CAGE DESIGN


  
PROFILE


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