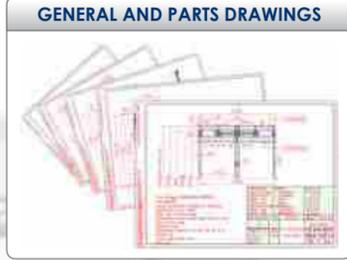
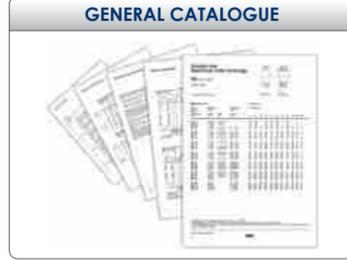
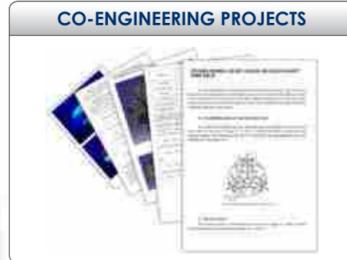
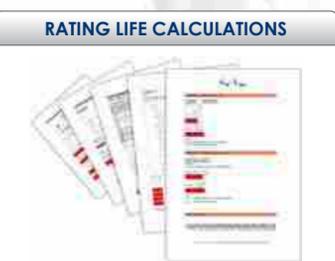


## RKB TECHNICAL DOCUMENTS

<b>TECHNICAL FICHES</b> 	<b>GENERAL AND PARTS DRAWINGS</b> 	<b>GENERAL CATALOGUE</b> 
<b>TECHNICAL TABLES</b> 	<b>TRACEABILITY REPORTS</b> 	<b>CO-ENGINEERING PROJECTS</b> 
<b>QUALITY CONFORMITY DATA SHEETS</b> 	<b>INSPECTION CERTIFICATE DATA SHEETS</b> 	<b>MAIN TECHNICAL DATA SHEETS</b> 
<b>RATING LIFE CALCULATIONS</b> 	<b>LABORATORY ANALYSES</b> 	<b>TECHNICAL REPORTS</b> 

With a solid knowledge and extensive expertise in rolling bearings, **RKB** can provide you with a comprehensive engineering support for the reliability and suitability of your applications. Do not hesitate to contact our Technical Department through the worldwide network of **RKB** official partners and distributors.



# RKB

BEARING INDUSTRIES

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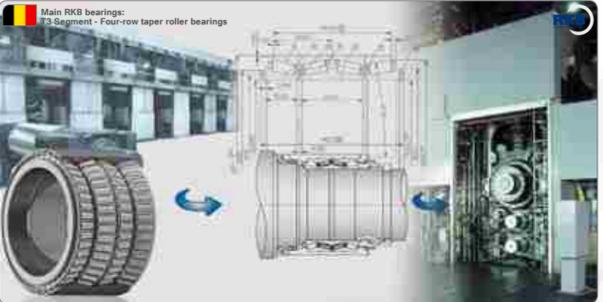


### CRITICAL ROLLING MILL WORK ROLL

- Four-row taper roller bearings (TQI configuration)
- Up to 28 inch inner diameter



Main RKB bearings: T3 Segment - Four-row taper roller bearings

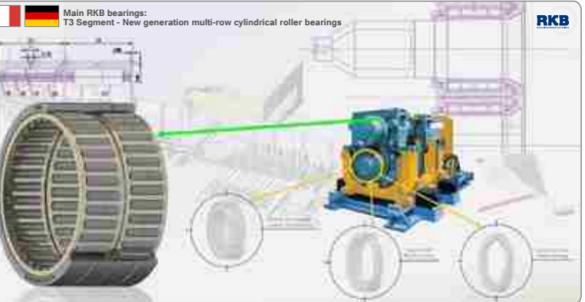


### AUTOMATIC ROLL CHANGING DEVICE

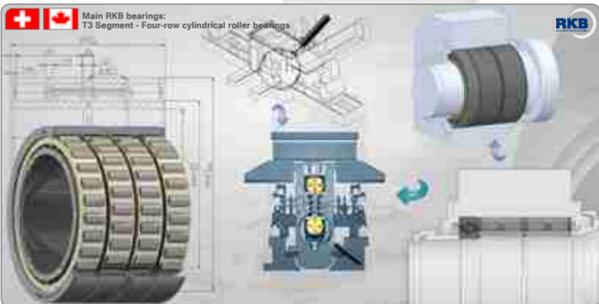
- New generation bearings for rolling mill stand with automatic roll changing device
- Easy mounting and dismounting
- Better load distribution resulting in reduced edge contact pressure and stress concentration
- Longer service life and reliability



Main RKB bearings: T3 Segment - New generation multi-row cylindrical roller bearings



Main RKB bearings: T3 Segment - Four-row cylindrical roller bearings

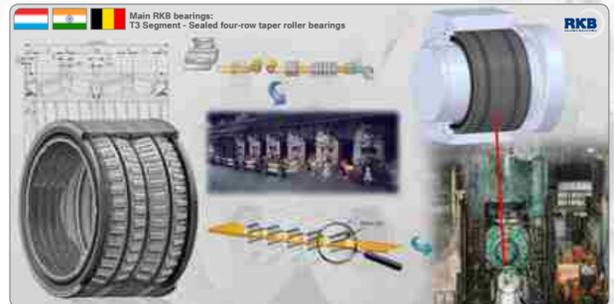


### BACK-UP ROLLS OF ROLLING MILL STANDS

- Internal design evolution for improved rolling accuracy at high speeds
- Cage design incorporating a large number of rollers as an alternative to pierced roller version



Main RKB bearings: T3 Segment - Sealed four-row taper roller bearings



### WORK ROLLS OF HOT ROLLING MILL STANDS

- Long life series bearings
- Phosphate Treatment for rings, rollers and spacers (PT4)
- Increase of rolling efficiency by stable operation
- Easier handling of seals



### SCREW-DOWN MECHANISM

- For finishing stands of hot rolling mill
- Suitable for low speeds and heavy loads
- RKB SAE 9315 case hardening steel in RAV protocol



Main RKB bearings: T3 Segment - Screw-down thrust bearings



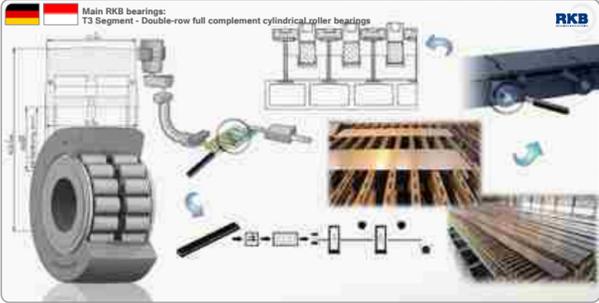
### GUIDE ROLLS OF CONTINUOUS SLAB CASTING MACHINE

- Low cross section spherical roller bearings for guide rolls of continuous slab casting in hot strip mills
- Up to 170 mm outer diameter
- Out of standard window-type cage
- Stabilizing Treatment for operating temperatures up to 300 °C (S3)

Main RKB bearings: T3 Segment - Spherical roller bearings



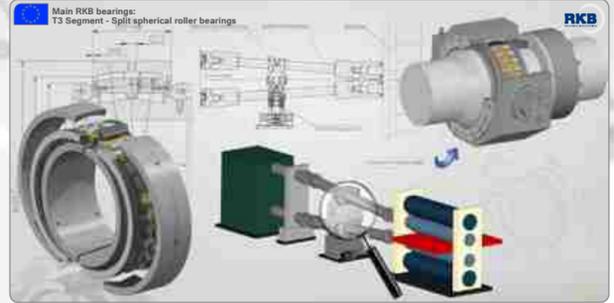
Main RKB bearings: T3 Segment - Double-row full complement cylindrical roller bearings



### SLAB CONVEYOR CHAIN OF HOT STRIP MILL

- $C_r > 750$  kN according to ISO 281
- Anti-Wear Technology (AWT) for extended service life
- Bainite Treatment for outer rings (HB2)
- Reinforced execution

Main RKB bearings: T3 Segment - Split spherical roller bearings



### ROLLING MILL DRIVE SHAFT BALANCING DEVICE

- Time saving bearing replacement in hard-to-reach positions
- Up to 560 mm inner diameter
- Manufacturing technology and expertise for top reliability
- Engineered to accommodate primarily external radial loads and partially axial loads in both directions
- High load carrying capacity due to large number of spherical rollers with the largest possible diameter



### The Swiss Bearing Manufacturer

The RKB Bearing Industries Group is the Swiss manufacturing organization operating in the bearing industry for over 70 years, with an area of 90.000 sqm, 135 million euros of tangible assets, and 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 production of technological valued-added bearings up to 1925 mm outer diameter, particularly for the heavy industry. Thanks to its pioneer business model, based on a vertically integrated system, RKB offers reliable cost-effective solutions, with extreme operational flexibility, leading-edge service, huge stock availability (more than 35 million euros of standard and special rolling bearings), short delivery time and the top quality typical 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.

### RESEARCH AND DEVELOPMENT



### ADVANCED MANUFACTURING TECHNOLOGY



### MULTILEVEL QUALITY CONTROLS



### PREMIUM QUALITY ROLLING BEARINGS



### SPECIAL PROJECTS



### SERVICE AND ASSISTANCE

