

# RKB

BEARING INDUSTRIES



### The Swiss Premium Class Bearing Manufacturer

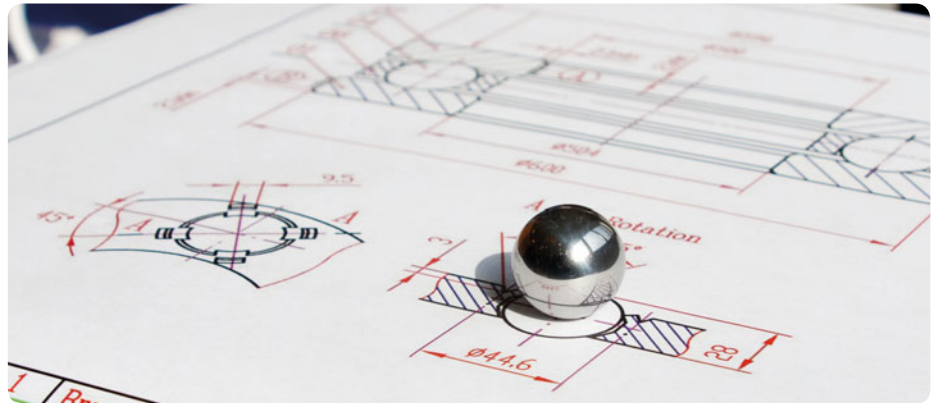
RKB (Roulement, Kugellager, Bearing) is the Swiss bearing manufacturing organization which has been operating in the bearing industry for over 70 years, with a monthly production capacity exceeding 350 tons of machined steel. The experience gained over the years provides RKB with the expertise necessary 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 Thrust Bearings

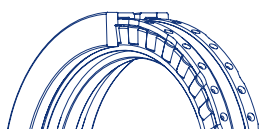
The thrust bearings (TBs) manufactured by RKB are designed to support high axial loads and, in some cases, even moderate radial loads. The manufacturing program includes single and double direction TBs with flat or spherical housing locating washers to meet any requirements in various industrial applications. Thanks to the improved internal geometry and the use of the most suitable raw materials, all RKB TBs attain the highest axial load ratings and the best reliability.

Depending on application requirements, RKB Bainite Hardening Treatment (HB) and High Temperature Dimensional Stabilization (S) can be applied on bearing rings and rolling elements. The bearing dimensional and running accuracy conforms to ISO/ABMA/GOST specifications.



### Double Direction Thrust Bearings

Double direction thrust bearings (DDTBs) are generally composed of two rolling element-cage assemblies, one shaft washer and two housing washers. Being supported by the housing washers, they are able to accommodate very high axial loads acting in both directions, fully axially locating the shaft. The DDTBs designed by RKB come in a variety of configurations, in standard or enhanced execution. Their extremely high load carrying capacities, obtained through the improved internal geometry and the application of special heat treatments, make them an irreplaceable and efficient solution in many critical applications.



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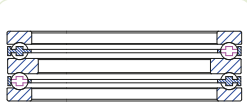
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ENGINEERED IN SWITZERLAND  
TECHNOLOGICAL BEARINGS



### Main Designs

#### 52M type



- Flat housing washers
- One-piece machined brass cage (M) guided on balls
- Separable design
- Supports medium to high bidirectional axial loads
- Suitable for applications requiring both medium to high carrying capacities and good limiting speeds



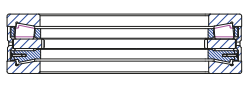
#### WS+GS type



- Flat housing washers
- Separable components unit: shaft washers (WS) plus housing washers (GS)
- Two-piece machined brass cage (M) guided on rollers
- Stiff arrangement sensitive to misalignments
- Supports very high bidirectional axial loads



#### TTK1 type



- Separable compact units
- Two-piece machined brass cage (M) guided on shaft washer
- Intermediate washer with internal centering on shaft
- Preset or adjusted BEP on customer's request
- Stiff arrangement very sensitive to misalignments
- Supports very high bidirectional axial loads
- Available with lubrication grooves and holes in outer spacer



#### TTK2 type



- Low cross section separable compact units
- Two-piece machined brass cage (M) guided on shaft washer
- Intermediate washer with external centering on the housing
- Preset or adjusted BEP on customer's request
- Stiff arrangement very sensitive to misalignments
- Supports very high bidirectional axial loads

