

RKB TECHNICAL DOCUMENTS

TECHNICAL FICHES

GENERAL AND PARTS DRAWINGS

GENERAL CATALOGUE

TECHNICAL TABLES

TRACEABILITY REPORTS

CO-ENGINEERING PROJECTS

QUALITY CONFORMITY DATA SHEETS

INSPECTION CERTIFICATE DATA SHEETS

MAIN TECHNICAL DATA SHEETS

RATING LIFE CALCULATIONS

LABORATORY ANALYSES

TECHNICAL REPORTS

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

Via Primo Agosto · 6828 Balerna · Switzerland
P.O. Box 169 · 6830 Chiasso 3 · Switzerland
Phone +41 91 260 09 30 · Fax +41 91 260 09 50
info@rkbeurope.com · www.rkbbearings.com
VAT No. CHE-113.327.770

The Alternative Power

RKB
BEARING INDUSTRIES

MARINE AND OFFSHORE

ENGINEERED IN SWITZERLAND
TECHNOLOGICAL BEARINGS



Printed in Switzerland on environmentally friendly paper

REU-MO-YSS-A

RKB BEARING INDUSTRIES
The Alternative Power

RKB BEARINGS FOR
THE MARINE AND OFFSHORE INDUSTRY

RKB BEARING INDUSTRIES
The Alternative Power

RKB BEARINGS FOR
THE MARINE AND OFFSHORE INDUSTRY

RKB BEARING INDUSTRIES
The Alternative Power

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.

GYROFIN STABILIZER SYSTEM

- Customized inch size double-row taper roller bearings (TDO configuration)
- Up to 670 mm inner diameter
- B₁₀ life for 750000 movements

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

MASTS AND SPARS OF SAILING YACHTS

- Thin section big size single-row taper roller bearings (design and execution for heavy load applications)
- Up to 1067 mm inner diameter
- High rigidity of masts and spars with smooth rotation

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

Main RKB bearings:
T3 Segment - Spherical roller bearings

JACKING SYSTEM IN OFFSHORE PLATFORM

- Spherical roller bearings for rack and pinion system of NG and CJ series drilling rigs working in harsh environmental conditions
- Up to 240 mm inner diameter
- Design and execution to withstand heavy loads and variable speeds (0,3-1,2 m/min)
- Safety factor (S₀) as per marine specifications
- Design life (L₁₀) ≈ 10 years service

Main RKB bearings:
T3 Segment - Cylindrical roller bearings

AZIMUTHAL RETRACTABLE THRUSTER

- Big size cylindrical roller bearings
- Up to 1090 mm outer diameter

MAIN SHAFT OF NAVY FRIGATE

- Big size application optimized spherical roller bearings
- Up to 340 mm inner diameter
- Safety factor (S₀) according to military offshore equipment guidelines

Main RKB bearings:
T3 Segment - Spherical roller bearings

RESEARCH AND DEVELOPMENT

ADVANCED MANUFACTURING TECHNOLOGY

MULTILEVEL QUALITY CONTROLS

PREMIUM QUALITY ROLLING BEARINGS

SPECIAL PROJECTS

SERVICE AND ASSISTANCE