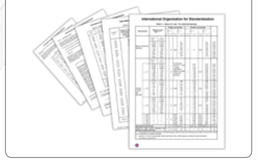
RKB TECHNICAL DOCUMENTS

TECHNICAL FICHES

GENERAL AND PARTS DRAWINGS

GENERAL CATALOGUE

TECHNICAL TABLES



TRACEABILITY REPORTS

CO-ENGINEERING PROJECTS

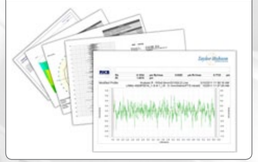
QUALITY CONFORMITY DATA SHEETS

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

RKB BEARING INDUSTRIES

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The Alternative Power

RKB BEARING INDUSTRIES

MARINE AND OFFSHORE

ENGINEERED IN SWITZERLAND
TECHNOLOGICAL BEARINGS

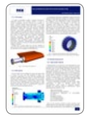
The Swiss Mark · Certified Value

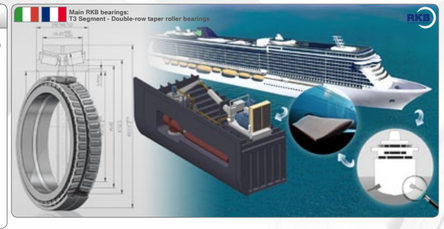
Printed in Switzerland on environmentally friendly paper

REU-MO-YSS-A

GYROFIN STABILIZER SYSTEM

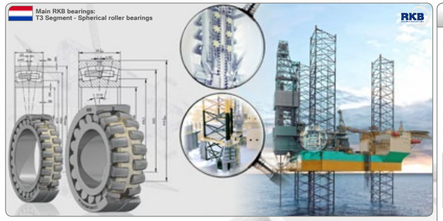
- Customized inch size double-row taper roller bearings (TDO configuration)
- Up to 670 mm inner diameter
- B_{10} life for 750000 movements





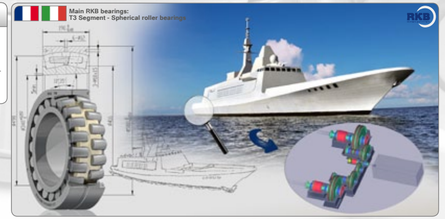
JACKING SYSTEM IN OFFSHORE PLATFORM

- 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 (S_0) as per marine specifications
- Design life (L_{10}) ≈ 10 years service



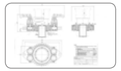
MAIN SHAFT OF NAVY FRIGATE

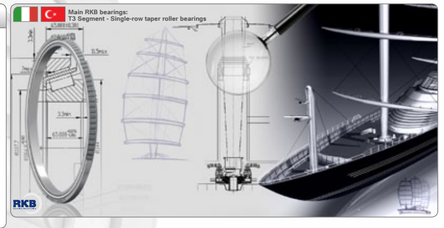
- Big size application optimized spherical roller bearings
- Up to 340 mm inner diameter
- Safety factor (S_0) according to military offshore equipment guidelines

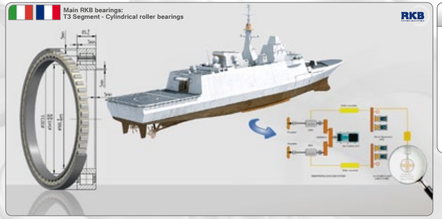


MASTS AND SPARS OF SAILING YACHTS

- 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

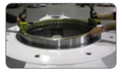






AZIMUTHAL RETRACTABLE THRUSTER

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

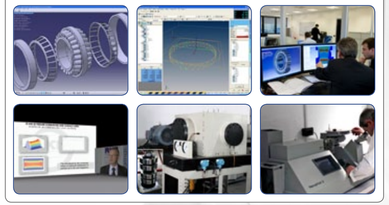


RKB BEARING INDUSTRIES
The Alternative Power

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