

REEICO



REEICO Bearings
Under IKL License

Introduction

Raya Energy Engineering and Instrumentation Company, with over a decade of experience in the oil and power industries (a knowledge-based production of type-1), proudly offers its expertise in the production, testing, and supply of specialized industrial bearings. Backed by a team of experienced and specialized technical experts, we provide professional after-sales services and consultancy.

About IKL:

IKL, established on July 10, 1948, by the government of Yugoslavia as the "Industry of Ball and Roller Bearings," spearheaded the production of bearings in the region amidst post-World War II economic challenges. Over the decades, IKL significantly expanded its operations, responding to market demands and embracing technological advancements. From its inaugural production of bearings in 1949 to the substantial growth in output by 1979, IKL emerged as a prominent player in the bearing industry, serving both local and global markets. Collaborations with industry giants such as SKF further enriched IKL's product portfolio and extended its market influence. Despite the dissolution of Yugoslavia in 1991, IKL demonstrated resilience, pivoting towards global expansion and establishing subsidiaries in numerous countries since 2010. Today, IKL proudly upholds its tradition of excellence and innovation, meeting the diverse needs of customers worldwide.

REEICO Company, backed by its technical and marketing expertise, has successfully obtained exclusive representation of IKL Company and is currently equipping one of the most advanced testing facilities in the country for assessing the authenticity and quality of bearings. Furthermore, we actively produce our specialized bearing products under the IKL license, under the technical and operational supervision of IKL, leveraging their expertise.

This company specializes in spherical and cylindrical roller bearings, serving various industries, particularly steel, mining, energy, and railway. Additionally, it utilizes machine tools bearings from the specialized parent company AKE-Skalica and leverages technical expertise in high-precision angular contact bearings for various turbine and pump technologies



IKL Milestones Timeline

Built new bearing Plant

- signed a cooperation agreement with 25 organizations
- built new bearing plant near Belgrade

1978

Yugoslavia dissolved

adopted a new development strategy in order to pull through during unstable times

2008

Corporate Structure

- Industrial Kinetic Lab Bulgaria
- Industrial Kinetic Lab India
- IKL Global UAE
- IKL Bearings India Pvt Ltd
- IKL International USA
- AKE Skalica

2012

Date of Establishment

1948

IKL bearing plant in Yugoslavia was established

1970

Corporation with SKF

began cooperation with French bearing production corporation SKF

2010

Opened several Subsidiaries

- Europe
- South America
- South-East Asia
- Middle East

2024

IKL  REEICO

SPHERICAL ROLLER BEARING

Spherical roller bearings with heavy-duty machined brass and steel cages offer exceptionally high capacity and superior durability. Their optimized internal geometry makes them ideal for applications with heavy loads, shock conditions, and misalignments, even at low speeds. REEICO provides a comprehensive range of sizes and dimensions, including options tailored for rail applications.

Applications:

- Industrial machinery
- Heavy-duty equipment
- Rail transportation systems



ANGULAR CONTACT BALL BEARINGS

Angular contact ball bearings are designed for high speeds and high axial loads. REEICO's range includes precision and special angular contact ball bearings suitable for various applications, including those requiring high temperature resistance and low maintenance.

Applications:

- Pumps
- Compressors
- Aerospace industry



TAPERED ROLLER BEARINGS, (DUPLEX/ DOUBLE ROW)

REEICO's duplex or double tapered roller bearing arrangements feature two single-row bearings and an outer ring spacer. They can handle heavy radial loads and axial loads in both directions.

Applications:

- Industrial machinery
- Automotive industry
- Aerospace industry



CYLINDRICAL ROLLER BEARINGS, FULL COMPLEMENT

REEICO's duplex or double tapered roller bearing arrangements feature two single-row bearings and an outer ring spacer. They can handle heavy radial loads and axial loads in both directions.

Applications:

- Industrial machinery
- Automotive industry
- Aerospace industry



CYLINDRICAL ROLLER BEARINGS, SINGLE ROW

REEICO's single-row cylindrical roller bearings offer high strength and radial rigidity for handling high loads and speeds. Optimized internal geometry promotes lower running temperatures and quiet operation.

Applications:

- Machine tools
- Gearboxes
- Electric motors



TAPERED SPHERICAL THRUST ROLLER BEARINGS, SINGLE ROW

Unlike other thrust bearings, spherical roller thrust bearings transfer loads from one raceway to the other at a certain angle, allowing accommodation of radial loads in addition to axial loads. These bearings are separable, enabling individual installation of the shaft ring with cage and spherical rollers and the housing (outer) ring. Their ability to tilt facilitates alignment of shaft deflection and housing verticality deviation.

Applications:

- Forming machines
- Ship drive shafts
- Drilling rigs
- Cranes
- Pumps



FOUR-POINT CONTACT BALL BEARINGS

Four-point contact ball bearings feature various contact angles and a split radially inner ring. With a machined brass cage, they can sustain significant axial loads in either direction with high capacity.

Applications:

- Robotics
- Material handling equipment
- Slewing rings
- Aerospace industry



DEEP GROOVE BALL BEARINGS

REEICO's Deep Groove Ball Bearings deliver exceptional performance for a wide range of applications. Designed for low to medium radial loads and smaller axial loads in both directions, they ensure smooth and quiet operation with advanced lubricant technology and sealing designs.

Applications:

- Industrial machinery
- Automotive industry
- Aerospace industry



CERAMIC COATED INSULATING BEARINGS

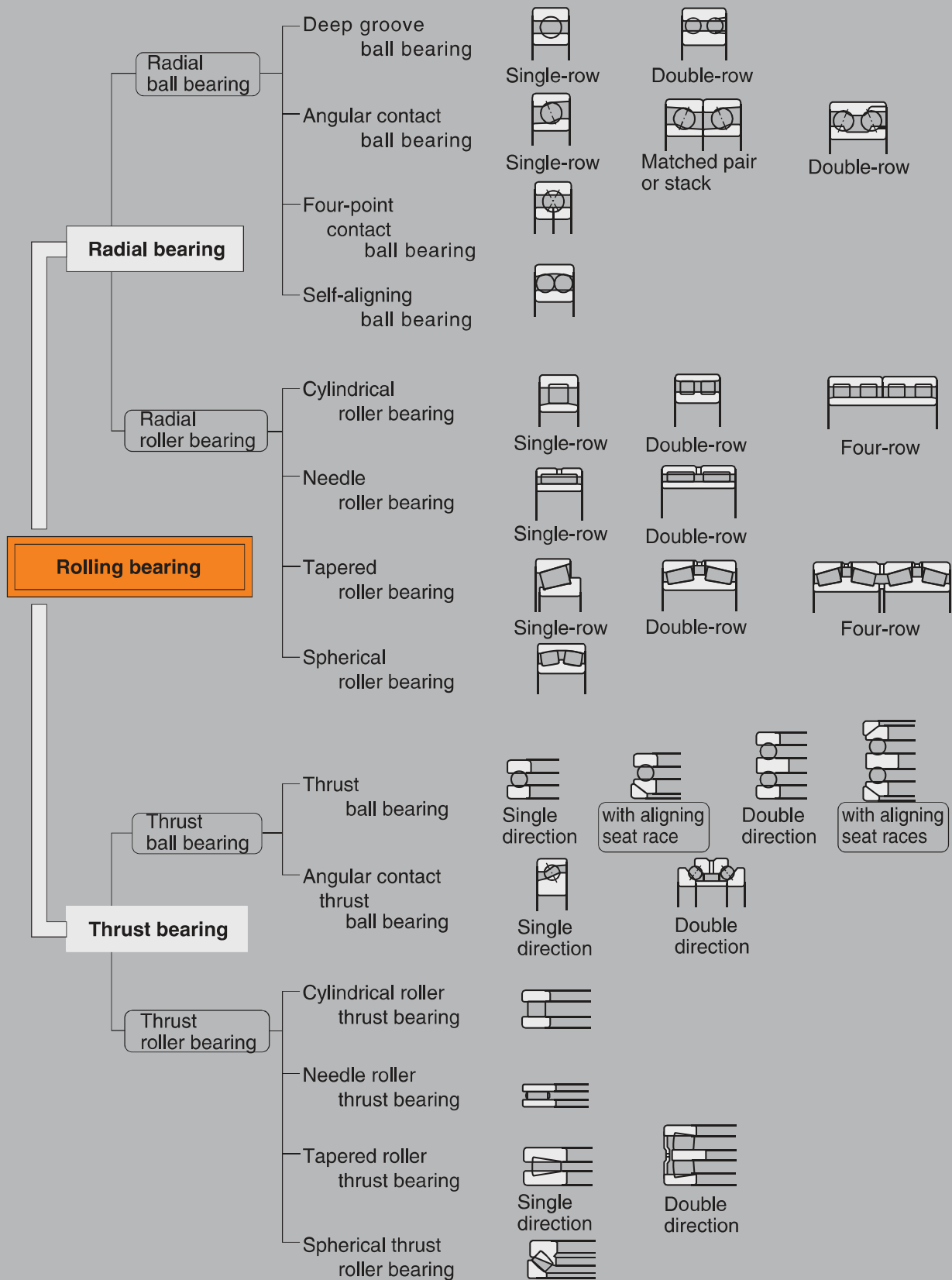
REEICO's ceramic-coated bearings provide superior insulation properties to prevent electrical erosion or arcing in bearings used in turbine generators. The optimized alumina-based ceramic coating offers high resistance to electrical current flow and excellent heat dissipation properties.

Applications:

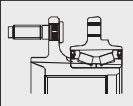
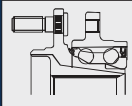
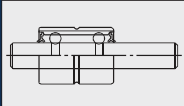
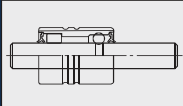

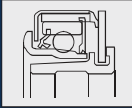
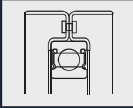
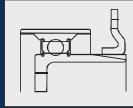
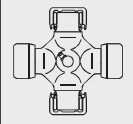

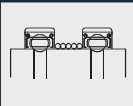

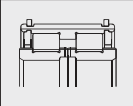
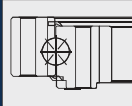
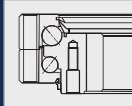
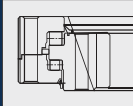

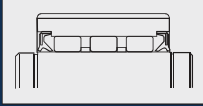


- Turbine generators
- Electrical motors
- Power transmission systems





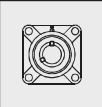
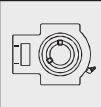
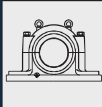
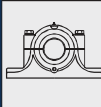
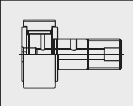
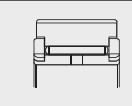
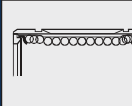
Rolling Bearing Structures And Types



Bearings classified by use

[Automobile]	Wheel hub unit			Water pump bearing		
	Clutch release bearing			Tensioner bearing unit		
	Universal joint cross bearing					
[Railway rolling stock]	Axle journal bearing					
[Electric equipment]	Integral bearing unit		Plastic pulley unit			
[Business equipment]						
[Construction equipment]	Crane sheave bearing		Slewing rim bearing			
[Industrial equipment]						
[Steel industry equipment]	Split bearing for continuous casting		Back-up roll unit for hot leveler			
[Paper manufacturing equipment]				Swimming roll triple ring bearing		
[Aircraft]	Jet engine bearing					

Others

Ball bearing unit					Plummer block		
Stud type track roller (cam follower)				Yoke type track roller (roller follower)			
				Linear ball bearing (linear motion bearing)			



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