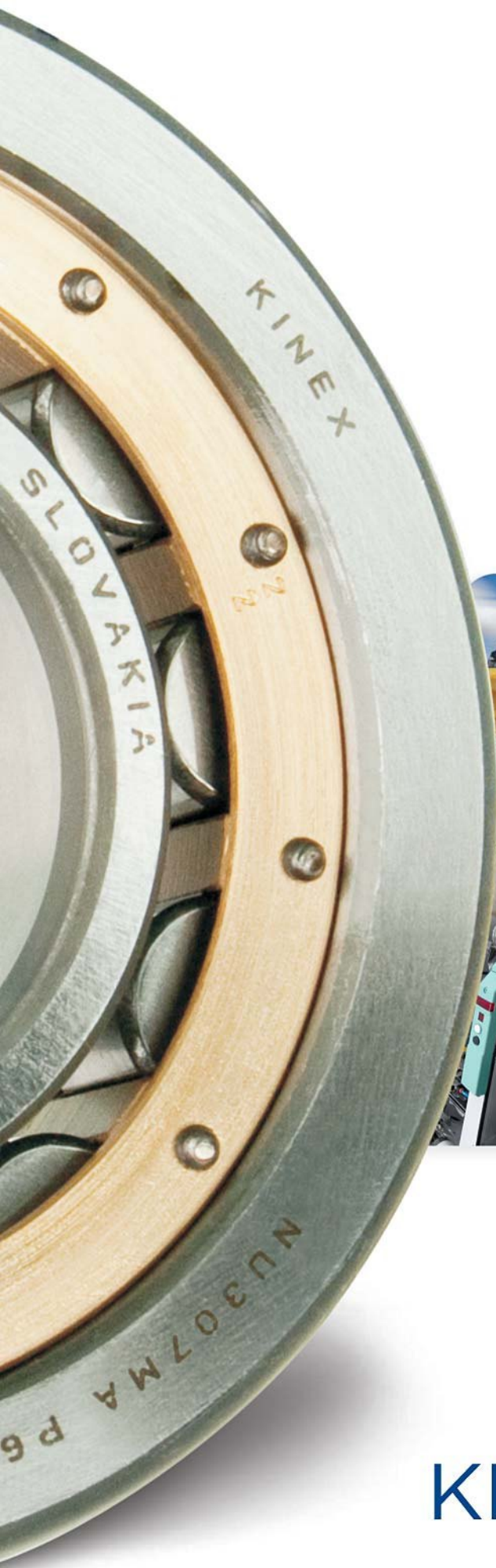




KINEX BEARINGS

COMPANY PROFILE



ABOUT US

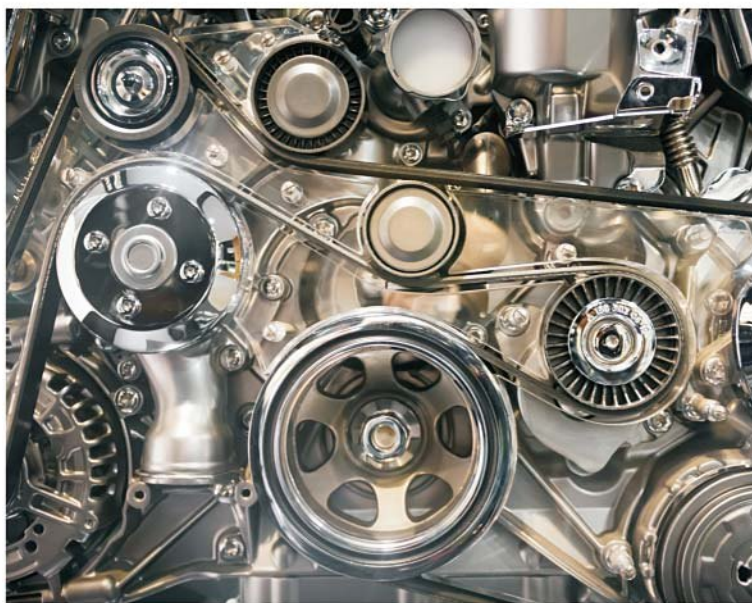
MORE THAN 100 YEARS EXPERIENCES
IN ENGINEERING AND BEARINGS PRODUCTION



BRIEF INTRODUCTION

RELIABLE PARTNER IN CREATION
OF NEW MOTION SOLUTIONS

KINEX BEARINGS belongs with its portfolio among important global suppliers of standard and special rolling bearings aimed for beddings in various industrial applications. The main task and goal is to ensure supplies of complete bearings assortment manufactured in individual plants, to develop cooperation with customers and to provide them services in accordance with their requirements. In order to achieve a maximum satisfaction of the customers and to react flexibly to market requirements, the KINEX BEARINGS integrates R&D, engineering, manufacturing and commercial activities. Nearly entire production is directed via trading company KINEX BEARINGS, a.s. to foreign markets.



FROM IDEAS, THROUGH INNOVATIONS, TO PERFECTION...

- World's No.1 supplier of special bearings for textile industry
- European leader in cylindrical roller bearings for railway vehicles
- Important supplier of rolling bearings for aerospace industry
- One of the world's suppliers of special bearings for water pumps for automotive
- Stable partner for customers all around the world



HISTORICAL MILESTONES

The factories of KINEX BEARINGS went through historical development and production of bearings has been stabilized technologically and organizationally. KINEX BEARINGS with its largescale program becomes the important world known producer of rolling bearings.

KINEX COMPANIES HISTORY SINCE 1906...

- 1906 KINEX, a.s.**
Foundation of the plant in Bytca, beginning of the engineering production „Povazsky zelezopriemysel“
- 1948 KINEX - KLF, a.s.**
Foundation of the plant in Kysucke Nove Mesto

BEARINGS PRODUCTION

- 1950 Production of balls and ball bearings**
- the first produced bearing in Slovakia was 6204 type
- 1953 Production of rollers and cylindrical roller bearings**
- single-row cylindrical roller bearings
- 1959 Production of railway bearings**
- single-row cylindrical roller bearings for railway vehicles
- 1964 Production of aerospace bearings**
- for various aerospace industry applications
- 1968 Production of textile industry bearings**
- special double-row ball bearings
- 1978 Production of water pump bearings**
- special double-row bearings
- 1987 Production of bottom bracket bearings**
- special double-row bearings
- 2009 New production area for aerospace bearings in Bytca plant**

QUALITY OF BEARINGS

The focus on clients, with the aim of fulfilling their requirements and expectations, is one of the basic foundations of the company's strategy. The implementation of a certified quality management system in all the KINEX BEARINGS companies is an efficient tool for the correct identification of requirements and expectations from clients as well as for monitoring and increasing their satisfaction.

KINEX BEARINGS has classified among distinguished suppliers for aerospace industry by certification in compliance with international standards AS 9100 and NADCAP.

QUALITY CERTIFICATES

- // ISO 9001
- // ISO/TS 16949
- // AS 9100
- // IRIS
- // ISO 14001
- // OHSAS 18001
- // Nadcap AC7102
- // Nadcap AC7108
- // Nadcap AC7114
- // GOST-R



RAILWAY BEARINGS

The beginning of production of single row cylindrical roller bearings for railway axleboxes dates back to 1959. Production of rolling bearings for railway vehicles is provided in accordance with requirements of European Standard EN 12080.

Single row cylindrical roller bearings used in railway industry have been tested according to European Standard EN 12080 or UIC 515-5.

KINEX BEARINGS belongs to leaders concerning deliveries of axle cylindrical roller bearings for railway industry in Europe.

Development and manufacturing of bearings has established and maintains a quality management system according international railway industry standard (IRIS). The bearings have acquired several approvals for use to various markets.



IRIS
Certification

APPLICATION OF BEARINGS

- axle seatings of freight wagons, passenger coaches, electric and diesel locomotives, diesel and electric motor train sets
- transmissions
- traction motors and generators
- compressor's motors, fans motors
- drive of blowers
- exciters and charging dynamos of electric and diesel locomotives



AEROSPACE BEARINGS AND BEARINGS FOR SPECIAL ENGINEERING

Major task of aerospace KINEX BEARINGS is offer complex solution in special bearings delivery and provide service for customers in aerospace industry area.

Aerospace KINEX BEARINGS is integrated base for R&D, technical, consulting, producing, business and service activities.



HEART OF QUALITY FOR AEROSPACE BEARINGS ARE SPECIAL PROCESSES

Temper Etch - NITAL ETCH	Fluorescent Penetration Inspection - FPI	Heat Treatment	Eddy Current Testing - EDDY	Magnetic Particle Inspection - MPI
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Engineering solutions for aerospace industry

KINEX BEARINGS has classified among distinguished suppliers for aerospace industry by certification in compliance with international standard AS 9100 and NADCAP.

Together KINEX BEARINGS provides complex services in special processes for aerospace industry area by special inspection equipments – Heat Treatment, MPI, FPI, Eddy Current and Temper Etch.

APPLICATION OF BEARINGS

- › starter generator units
- › turbojet and turboprop engines
- › housing for drives
- › arrangement of the main rotors
- › rotary parts of reduces
- › auxiliary power units
- › air conditioning systems
- › hydraulic and fuel pumps

AUTOMOTIVE BEARINGS

KINEX BEARINGS offers a group of standardised and special bearings used in the arrangements of individual aggregates of motor vehicles.

The rolling bearings are assigned for OEM customers and reparation in passenger cars, trucks and tractors.

KINEX BEARINGS success is based on the superior quality of the products and production process, great innovative force and its ability to react quickly to customers special requirements. Company currently supplies more than 5000 applications of single row ball bearings, cylindrical roller bearings and special double row bearings into automotive sector. The innovative force is based on employees experiences, knowledge and cooperation with universities. Method such as virtual simulation, production prototypes for functional test and own testing stands reduce development times and ensure the highest possible quality products.



APPLICATION OF BEARINGS

- › in passenger cars, trucks and tractors
- › arrangement of the shaft gearboxes
- › gearboxes
- › water pumps
- › transmissions
- › final drives
- › engines
- › accessories



SUPER PRECISION BEARINGS

The special bearings are products that have different functional characteristics compared to basic standardised construction. They are normally intended for specific assembly.

One of the most important industry segments are the special single-row angular contact ball bearings for high rotation frequency and high accuracy of arrangement. These bearings are different from standard bearings by inner design of bearing rings, by value of contact angle, by type of cage and by high precise tolerance class of running.

The bearings are non-separable and their suitable seating arrangement assures required firmness and accuracy of housing. For extreme high speed, low friction and low heat generation in bearing are manufactured bearings with ceramic balls.



APPLICATION OF BEARINGS

- › high accuracy and high-speed applications
- › high speed spindle systems
- › machine tools
- › rotary parts of printing machines
- › turbochargers



KINEX BEARINGS DELIVERS THE WIDE ASSORTMENT OF SUPER PRECISION AND SPECIAL ROLLING BEARINGS



TEXTILE BEARINGS



The development of special bearings for textile industry hangs together with a solutions of arrangements of the most important parts in the textile machines but also for measuring instruments.

Special double row ball bearing for textile machines are designed for high rotational speed and relatively light load. They are known for their high dimensional accuracy and smooth run warranting their high effectiveness.

These bearings are supplied according to demand of the customers complemented with some other component, e.g. resilient mounting serials. In some cases there are complete integrated bearing units which make from the technological and economical point of view possible the more effective production of textile machines.

APPLICATION OF BEARINGS

- › in non spindle spinning machines
- › by housing a bearing of spinning chamber and of an opening roller bearings
- › press pulley bearings
- › in arrangements of textile spindles
- › in texturing machines



BEARINGS FOR OTHERS INDUSTRIAL APPLICATIONS



KINEX BEARINGS, a.s. supplies rolling bearings, necessary accessories and services to original equipment customers in machinery and plant constructions as well as to customers in the distribution and spare parts business.

In addition to the standardized types of rolling bearings in the basic and modified version, KINEX BEARINGS offers series of special rolling bearings, which are designed for arrangements of machines, instruments and equipments of the various industrial fields.

APPLICATION OF BEARINGS

- › engineering industry
- › agriculture industry
- › mining industry
- › paper industry
- › power industry
- › food - processing industry





YOUR PARTNER FOR INDUSTRY



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