



# Bearings for railway vehicles

THE PERFECT SOLUTION FOR RAILWAY APPLICATIONS

# The perfect solution for railway applications

**Established in 1996, we are a premium bearing manufacturing company based in Steyr, Austria.**

We manufacture standard and special bearings for all types of industrial applications.

We carry out our core activities (engineering projects, product development, final product processing, assembly, quality assurance, logistics, production, sales and marketing) at our headquarters in Steyr. We are ISO 9001:2015 (design, development, manufacture and distribution of bearings), ISO 14001:2015 and OHSAS 18001 certified.

Our bearings are distributed through our international subsidiaries and more than 240 distribution points in over 60 countries

## We offer

- Standard bearings with a wide range in stock
- Tailor-made bearings for special requirements
- Technical service (for advice, documentation, training courses, etc.)

## 100% guaranteed quality

All of our bearings undergo a thorough and documented quality inspection.

The use of state-of-the-art measuring and testing equipment together with our rigorous quality policy allows us to ensure that each and every batch of bearings that reaches you is of the highest quality.



We offer a comprehensive bearing and service program. In recent years we have won the approval of numerous well-known companies in the road vehicle industry, including railroad companies, service companies and OEM producers.

### Professional services support

Our team of specialized and experienced technical and sales professionals work closely with our customers. Our range of services includes, among others:

- Application consulting
- Technical calculations
- Assistance in the process of obtaining certifications
- Product development, design support
- Training courses

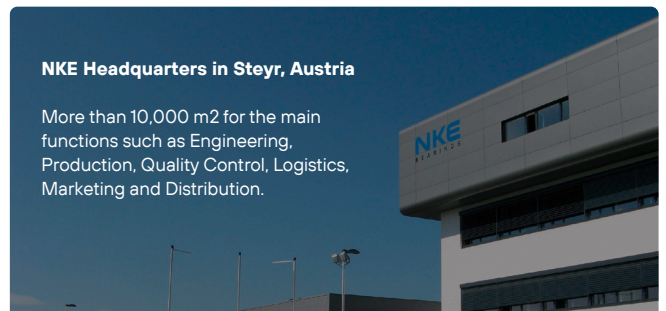
### With the confidence of industry leaders

**ABB, SIEMENS, ÖBB, NEWAG**



### NKE Headquarters in Steyr, Austria

More than 10,000 m<sup>2</sup> for the main functions such as Engineering, Production, Quality Control, Logistics, Marketing and Distribution.





# Austrian quality combined with advanced technology

Suitable bearings play a decisive role in railway

## Commonly used bearings for railway applications

- Cylindrical roller bearings
- Deep groove ball bearings
- Four-point contact ball bearings
- Tapered roller bearings

## Hybrid & electrically insulated bearings

### Main advantages of hybrids

They have excellent electrical insulation properties and are suitable for high speeds. They have longer service life and longer grease life.

### Main advantages of SQ77

They provide simple and cost-effective protection against bearing damage. They eliminate the risk of damaged raceways and premature aging of the lubricant. They have a dielectric breakdown strength of 1000V or 3000V (AC/DC). Interchangeable: same dimensions and technical properties as conventional bearings. Versions available - insulation of OR (SQ77) or IR (SQ77E).

Bearings for traction motors and gears in railway vehicles

## Traction motor bearings

Bearings for traction motors have to achieve a very long service life. The most commonly used bearing types are:

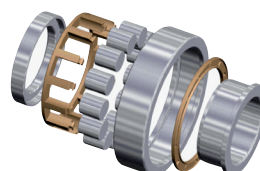
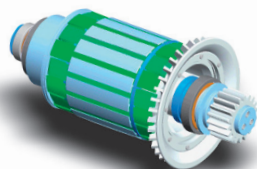
- Cylindrical roller bearings
- Deep groove ball bearings
- Electrically insulating bearings (outer or inner ring coating)

## Bearings for gears

Gear bearings perform their function under high speeds and loads. They also have to withstand impacts, vibrations and extreme temperatures. The most commonly used types of gear bearings are:

- Cylindrical roller bearings
- Tapered roller bearings
- Angular contact ball bearings
- Four point contact bearings
- Deep groove ball bearings

Our bearings for gears and traction motors are normally produced to special specifications (e.g. SQ1 for traction motors).







# Excellence beyond bearings

Art.No 92082

Spain | Austria | China | India | USA | Brazil | Mexico | Colombia  
Chile | Bolivia | Argentina | Netherlands | Australia | Kenya



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