

## NKE spherical roller bearings

> efficiency and productivity

*More possibilities!*

**NKE**  
BEARINGS

# NKE spherical roller bearings

> efficiency and operational reliability at optimized costs

NKE spherical roller bearings are used to

- support high **radial loads**
- compensate for **misalignment of the bearing positions** and/or **increased shaft bending**.

This type of bearing is suited for applications with high loads and difficult operating conditions.

**NKE spherical roller bearings** were designed to withstand such conditions in demanding operational environments.

In order to **achieve maximum strength and longevity** high quality bearing steel is used. Our optimized inner design with an increased number of rollers allows for higher load capacities of our products.



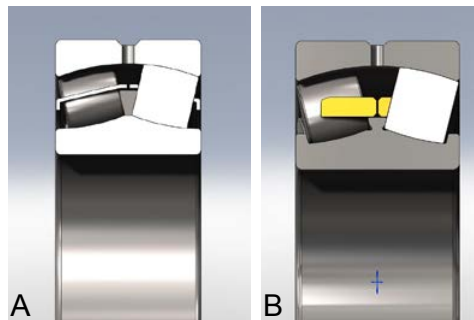
The inner design is optimized for challenging operating conditions, reduces wear and heat and as a consequence the usage of lubricants. This results in less downtime and reduced effort and finally to a reduction of costs.

**RESULT: Efficiency, operational reliability at optimized costs**

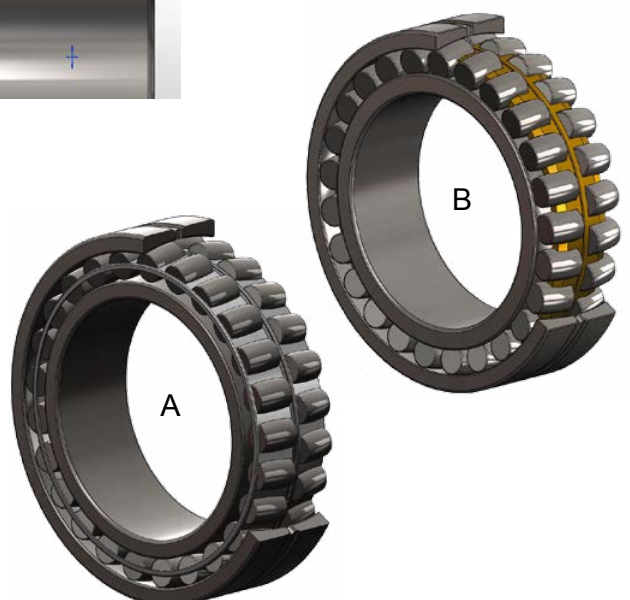
## Pressed steel cage & solid brass cage

Suitable up to the medium RPM range, NKE spherical roller bearings are available in different dimensions. With pressed steel cage as the economic solution with optimized performance and with a solid brass cage for large size bearings.

- **optimized** inner ring without guiding rib or with floating rib (type dependant)
- pressed steel cage halves (roller guided) with **optimized design**, for an increased number of rollers
- increased **performance** and cost reduction



- solid brass cage, inner ring guided
- sturdy, proven solution for maximum reliability
- used for **larger size bearings**



Product variants:	
Range:	Dimension series 222, 223, 230, 231, 232, 240, 241
Design variants:	<b>A:</b> C, CE, E - roller/ring guided pressed steel cage <b>B:</b> MB - solid brass cage, inner ring guided
Cage materials:	brass steel
Radial clearance:	CN (Standard), C3, C4

Optimized inner design for difficult operating conditions.



## NKE spherical roller bearings with steel cage

> Austrian Quality combined with advanced technology



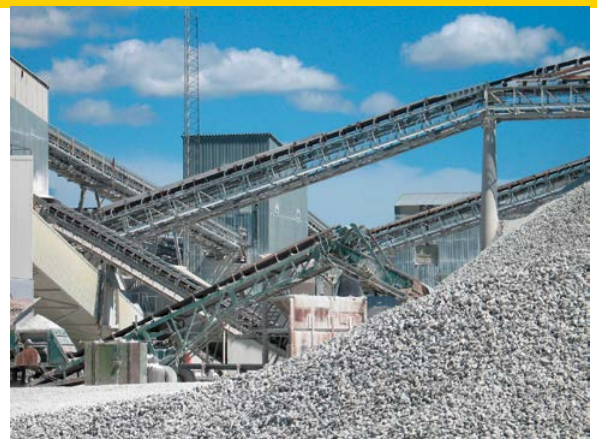
### Product benefits:

- ideal for demanding operational environments
- higher load capacity + high quality bearing steel = longer bearing life
- lower friction
- optimized inner design with increased number of rollers of larger size

## Different industrial applications

Spherical roller bearings are used in various, different industrial applications: e.g.

- > Industrial gearboxes
- > Pumps
- > Mining equipment
- > Conveyors
- > Industrial fans
- > General machinery





NKE headquarters in Steyr – more than 10,000 m<sup>2</sup> for core functions such as engineering, production, logistics, quality assurance, marketing and sales



# NKE AUSTRIA

NKE AUSTRIA GmbH is a premium bearing manufacturer with headquarters in Steyr, Austria. The company was founded in 1996 by a group of senior staff members of the former Steyr Wälzlager.

NKE manufactures both standard and special bearings for all industrial applications. Our core competences – engineering, product development, final processing of components, assembly, quality assurance, logistics, sales and marketing – are centralised in Steyr. The site is accredited with ISO 9001:2008 (design, development, manufacturing and distribution of bearings), ISO 14001:2004 and OHSAS 18001.

For more information please contact:



**NKE AUSTRIA GmbH**  
Im Stadtgut C4,  
4407 Steyr, Austria  
Tel: +43 7252 86667  
Fax: +43 7252 86667-59  
office@nke.at  
www.nke.at

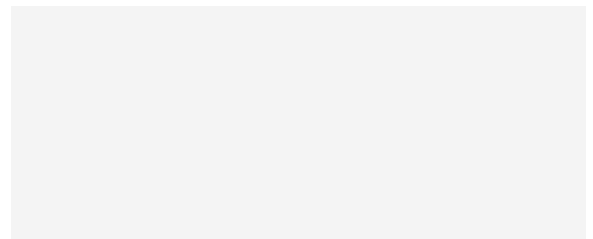
We offer:

- Standard bearings with a comprehensive stock range
- Tailor-made bearings for special requirements
- Technical service (e.g. consulting, documentation, training etc.)

NKE bearings are distributed through international representative offices and more than 240 distribution outlets in over 60 countries.



Your local NKE partner



Every care has been taken to ensure the accuracy of the information contained in this publication, but NKE accepts no liability due to errors or omissions. NKE reserves the right to change any product specifications. All rights reserved. © NKE AUSTRIA GmbH.