

## **NKE bearings for industrial gearboxes**

- > Versatile solutions  
for demanding applications

*More possibilities!*

**NKE**  
B E A R I N G S

# Your competent partner for bearings

> Standard and special solutions

## Suitable bearings for your drive system

Loads, speeds, torque, installation space... - there are many factors you have to consider when designing a drive system. Suitable bearings play a decisive role in industrial gearboxes.

Creative technical and commercial solutions, combined with good stock availability as well as short delivery times are the NKE benefits for you.

### Application example:

#### Bearing arrangement of a planetary gearbox



#### Cylindrical roller bearings

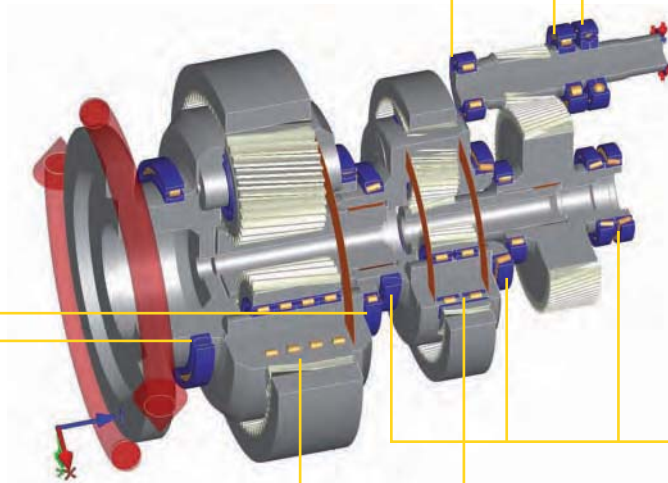
- > Suitable for high radial loads and medium to high speeds
- > In floating arrangements



#### Four-point contact ball bearing

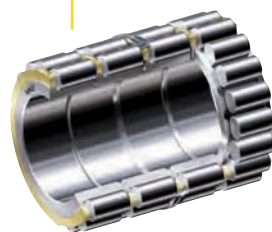
- > Radially unrestrained to accommodate thrust loads
- > Limited radial loads, provided that:

$$\frac{F_a}{F_r} \geq 1,27$$



#### Full complement cylindrical roller bearings (without cage)

- > Suitable for very high radial loads
- > Low speed



#### Special cylindrical roller bearings

- > Modular system allows for standardisation of planet wheel bearings
- > 2-, 3- or 4-fold sets as required

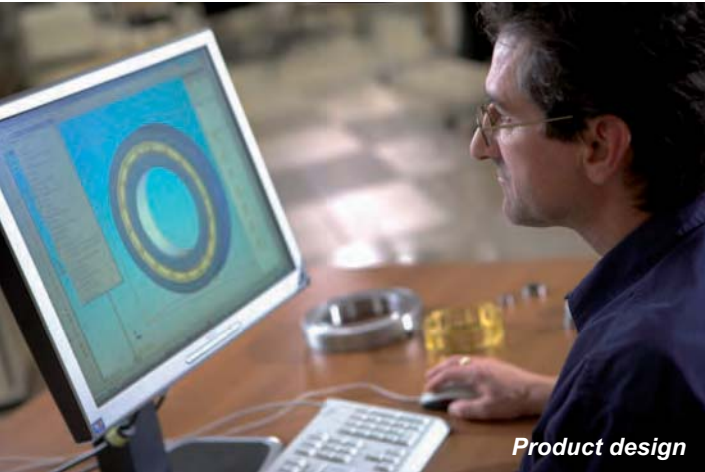


#### Tapered roller bearings

- > Suitable for high radial loads
- > When paired, can take up thrust loads in both directions Richtungen
- > Custom designs possible

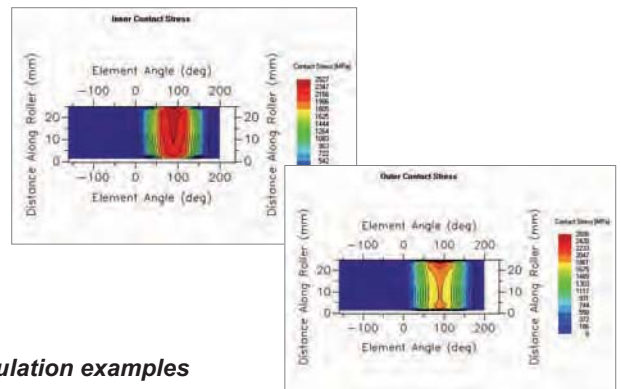
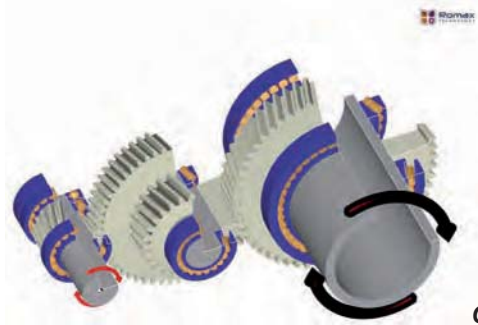
\* For smaller gearboxes NKE deep groove ball bearings and angular contact ball bearings are also used.

## > Professional service support



Equipped with experience and know-how, our technical and commercial teams work closely together with our customers. Our services include:

- > Application consultancy
- > Technical calculation
- > Certification support
- > Product development, design support
- > Training



## Applications in various industries

Other NKE bearing applications include:

- > Plant construction
- > Materials handling
- > Railway vehicles
- > Metal production and processing
- > Wind energy
- > Mining and heavy machinery

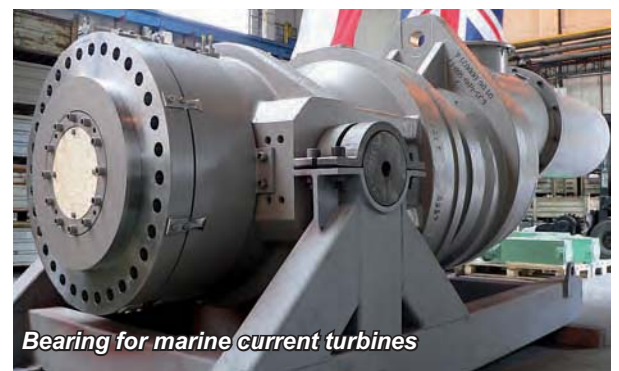
Ask us for the latest reference list!



**Angle drive for mining equipment**



**Geared hub motor**



**Bearing for marine current turbines**



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**  
B E A R I N G S

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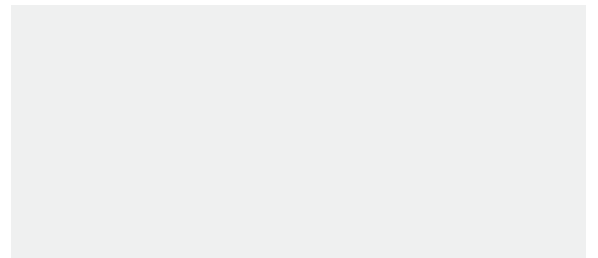
We offer:

- 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 18 international representative offices and more than 240 distribution outlets in over 60 countries.



Your local NKE partner



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