



NKE Bearings

> Keeping your wind turbines turning

More possibilities!

NKE
B E A R I N G S

Reliable bearings and competent service for wind energy applications – from NKE AUSTRIA



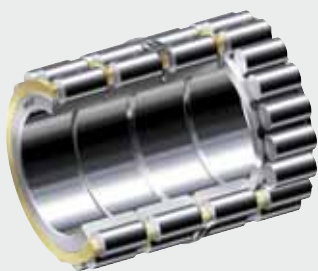
The operating conditions of wind turbines are complex and demanding; hence the bearings must work efficiently and offer supreme reliability. NKE supplies a wide range of bearings to specialised industries, including the following commonly used types for wind energy applications:

Cylindrical roller bearings

- > Suitable for high radial loads
- > Multi-row and full complement versions available for even higher radial loads
- > Special specifications (optimised geometry) and customised designs available
- > Modular system allows for standardisation of planet wheel bearings
- > Special coatings for enhanced tribological properties
- > For both gear boxes and generators

Tapered roller bearings

- > Suitable for high radial loads and thrust loads
- > Able to take up tilting moments
- > When paired, can take up thrust loads in both directions
- > Usually custom designs and for gear boxes



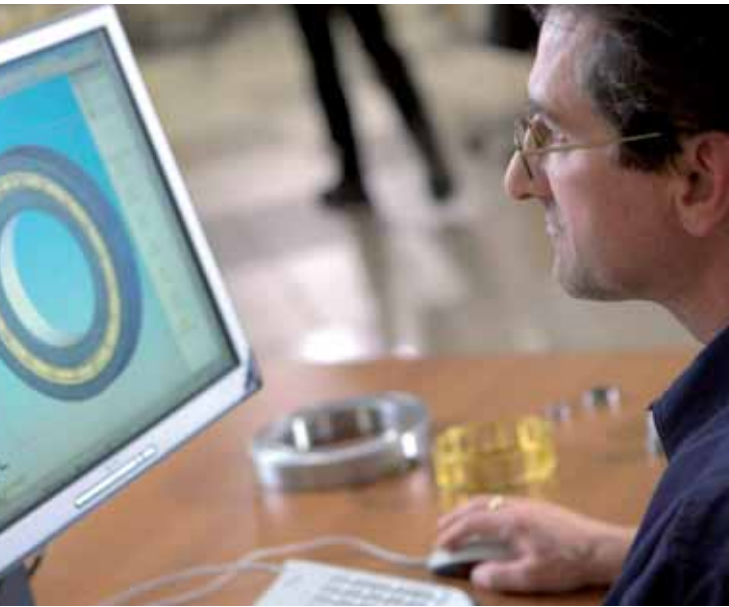
NKE multi-row cylindrical roller bearing



NKE full complement cylindrical roller bearing (without cage)



NKE tapered roller bearing



Competent services

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

Our services include:

- > Consultancy
- > Technical calculation
- > Certification support
- > Product development, design support
- > Training

Ask us for the latest reference list!

Spherical roller bearings

- > Suitable for large radial loads and low to medium speeds
- > Allows compensation for misalignment
- > Usually for main shafts and gear boxes

Four-point contact ball bearings

- > Able to take up thrust and limited radial loads
- > Easy mounting due to split inner rings
- > Standard cage material: solid, one-piece brass cage (MPA)
- > Usually for output shaft

Deep groove ball bearings

- > Suitable for very high rotating speeds
- > Well suited for medium high radial and axial loads in one or both directions
- > Numerous clearance and tolerance classes available for different operating conditions
- > Mainly for generators and gearboxes



NKE spherical roller bearing



NKE four-point contact ball bearings



NKE deep groove ball bearings
(with insulation coating on outer ring)

Electrically insulated bearings

- > Preventing damages caused by passage of electric currents
- > 100% interchangeable with standard bearings
- > Depending on size and type of bearings, several versions available:
 - insulation coating (oxide ceramic) on outer or inner ring
 - hybrid bearings with oxide ceramic rolling elements

NKE headquarters in Steyr – more than 10,000 m² 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.

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

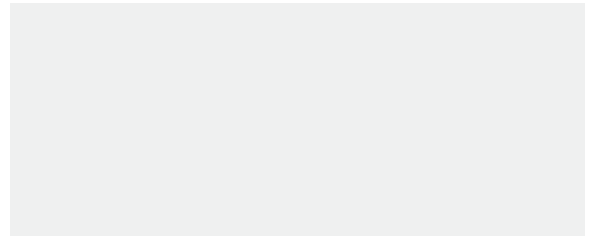


For more information please contact:



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

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