

The background of the entire page is a low-angle, upward-looking photograph of a white wind turbine against a blue sky with scattered white clouds. The perspective makes the tower and nacelle appear to converge towards the top right of the frame.

# BEARINGS FOR WIND GEARBOXES AND GENERATORS

# EXPERTS IN BEARING SOLUTIONS

**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 9001:2015 (design, development, manufacturing and distribution of bearings), ISO 14001:2015 and OHSAS 18001.

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

## We offer:

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

## 100% Made in Austria

All NKE bearings are manufactured with state-of-the-art equipment. They undergo stringent and documented quality inspection. By using advanced testing and measuring equipment and applying a rigorous quality policy, we can guarantee that every single batch of bearings delivered is of the highest quality standards.

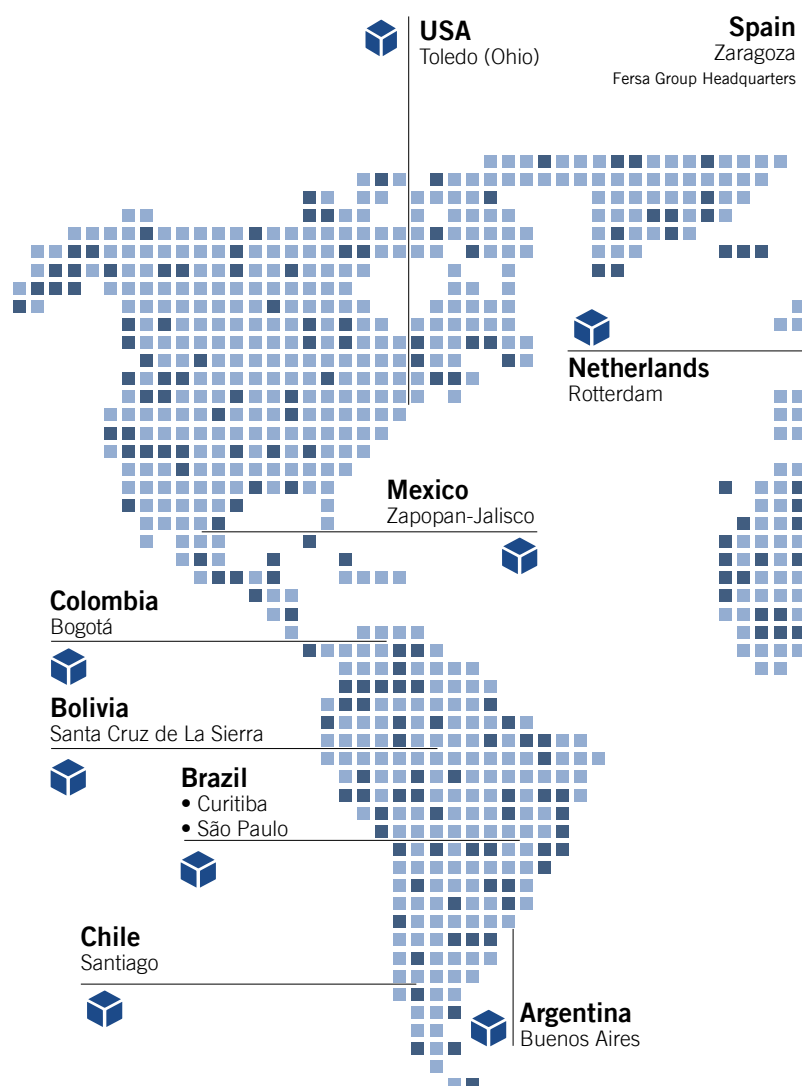


## Global Presence

In the right place at the right time.  
Local presence in more than

# 100 countries

NKE Group H



# AUSTRIAN QUALITY COMBINED WITH ADVANCED TECHNOLOGY

## Our figures

Fersa Group is  
constantly growing

20% of sales based on the  
development of new part numbers.

**Austria**  
Steyr  
headquarters



**Rusia**  
• Tyumen  
• Moscow



**China**  
• Shanghai  
• Shenyang  
• Jiaxing



**Turkey**  
Bayrakli-Izmire



**India**  
• Mumbai  
• Surendranagar  
• Rajkot  
• Pune



**Singapur**  
Pioneer



**Australia**  
Melbourne



**162 Mio.**

Sales 2022  
Fersa Group  
(20% green revenues)



**x5,1**

Sales in the  
last 6 years



**4,5%**

R+D investment  
Total sales



**25%**

Investment in  
the Internet of Things  
Total CAPEX



**+850**

FTE



**+3000**

New part numbers  
per year



Productive center



Technology Center



Logistics Center



Quality Center



# THE PERFECT SOLUTION FOR WIND APPLICATIONS

## STEYR - AUSTRIA - NKE HEADQUARTERS INNOVATIVE MANUFACTURING CAPABILITIES

### R&D, MANUFACTURING & LOGISTICS CENTER

- / 3 manufacturing lines
- / New line as from 2023
- / Medium / large-sized bearings
- / Standard- and special bearings
- / Full traceability
- / 2020: 35.000 bearings/year
- / 2021: 40.000 bearings/year



### ASSEMBLING IN STEYR - AUSTRIA

Bearings	mm range OD	cages
CRB	80 - 2000	TVP3, M, M6, MA6, MPA
DGBB	200 - 2000	M, MA, MB (Insocoat)
TRB	300 - 2000	pressed steel cage, solid steel cage (hollow rollers)
SRB	300 - 2000	steel cage, brass cage
ACBB	300 - 2000	brass cage



# AUSTRIAN QUALITY COMBINED WITH ADVANCED TECHNOLOGY

## NKE BEARINGS THE PERFECT SOLUTION FOR WIND ENERGY GEARBOXES & APPLICATIONS

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

### COMMONLY USED TYPES FOR WIND ENERGY APPLICATIONS:

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



## NKE HYBRID & ELECTRICALLY INSULATED BEARINGS KEEP YOUR WIND GENERATORS RUNNING

### MAIN ADVANTAGES OF HYBRIDS

- / Outstanding electrical insulation properties
- / Highspeed suitability
- / Extended Service life
- / Extended grease life

### MAIN ADVANTAGES OF SQ77:

- / A simple and cost effective protection against bearing damage
- / Eliminates risk of damaged raceways and lubricant premature aging
- / Dielectric breakdown strength of 1000V or 3000V (AC/DC)
- / Interchangeable:  
same dimensions and technical properties as conventional bearings
- / Available versions - insulation of OR (SQ77) or IR (SQ77E)





# THE PERFECT SOLUTION FOR INDUSTRIAL APPLICATIONS

## COMMON NKE WIND GENERATOR BEARINGS (FAST MOVERS)

Bearing designation	SKF Part Number	Description
6328-M-C3-SQ77E	6328 M/C3VL2071	Insulated on the inner ring
6330-M-C3-SQ77E	6330 M/C3VL2071	Insulated on the inner ring
6330-M-C3-SQ77	6330 M/C3VL2041	Insulated on the outer ring
6332-M-C3-SQ77E	6332 M/C3VL2071	Insulated on the inner ring
6332-M-C3-SQ77	6332 M/C3VL2041	Insulated on the outer ring
6336-M-C4-SQ77E	6336 M/C4VL2071	Insulated on the inner ring
6326-C3-HYB	6326/HC5C3S0VA970	Hybrid bearing (ceramic rolling elements)
6328-C3-HYB	6328/HC5C3S0VA970	Hybrid bearing (ceramic rolling elements)
6330-C3-HYB	6330/HC5C3S0VA970	Hybrid bearing (ceramic rolling elements)
6332-C3-HYB	6332/HC5C3S0VA970	Hybrid bearing (ceramic rolling elements)
6334-C3-HYB	6334/HC5C3S0VA970	Hybrid bearing (ceramic rolling elements)

\*Other bearing types and special bearing types upon demand. Please contact our sales team.



# AUSTRIAN QUALITY COMBINED WITH ADVANCED TECHNOLOGY

## NKE's COMMITMENT: BEARINGS TO KEEP YOUR WIND TURBINES RUNNING

- / More than 20 years of experience in the Wind Industry
- / High performance, reliable and competitive solutions
- / Complete bearing solutions MADE IN AUSTRIA
- / Strong engineering support
- / Premium quality
- / Reliable partner



## FROM ORIGINAL EQUIPMENT TO REPLACEMENT PARTS WE ARE TRUSTED BY THE BEST!

/ ABB  
/ DAIMLER  
/ DANA  
/ EATON  
/ ENVISION  
/ GE POWER  
/ FAW GROUP

/ FLENDER  
/ KAMAZ  
/ JOHN DEERE  
/ LEMKEN  
/ MAN  
/ MAZ  
/ MERITOR

/ NORDEX  
/ SAIC MOTOR  
/ SIEMENS  
/ TAIYUAN HEAVY  
/ WIKOV  
/ ZF  
/ ZOLLERN



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**FERSAGROUP**