

# Bearings for wind gearboxes and generators

SHAPING THE FUTURE OF MOTION TECHNOLOGY

# Experts in bearing solutions

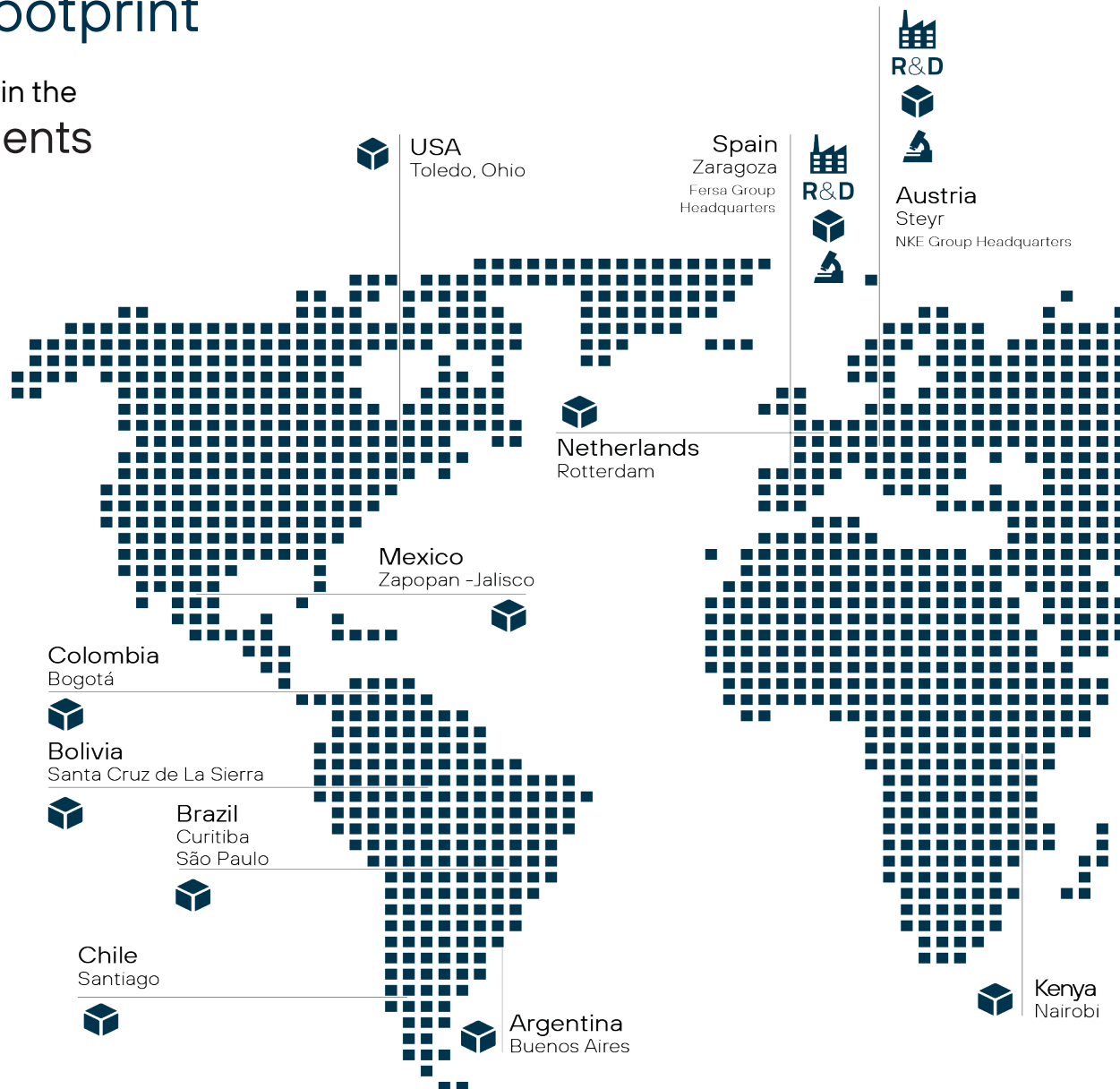
NKE FERSA is a premium bearing manufacturer with headquarters in Steyr, Austria. The company was founded in 1996 by a group of senior staff members of the former Steyr Wälzlager.

NKE FERSA 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.

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

## Global footprint

Local presence in the five continents



## 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.



## Our Figures

Fersa is constantly growing

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

# X5,1

Sales in the last 5 years

# 4,5%

R+D investment

Total sales

# 15%

Investment in the Internet of Things

Total CAPEX

# +1000

FTE

# +3000

New part numbers per year



# The perfect solution for wind applications

Steyr, Austria, headquarters our 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



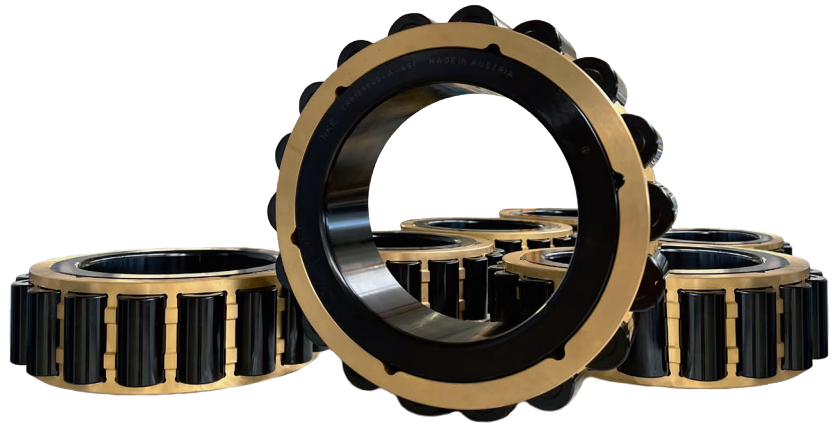
# Australian quality combined with advanced technology

## NKE FERSA 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:

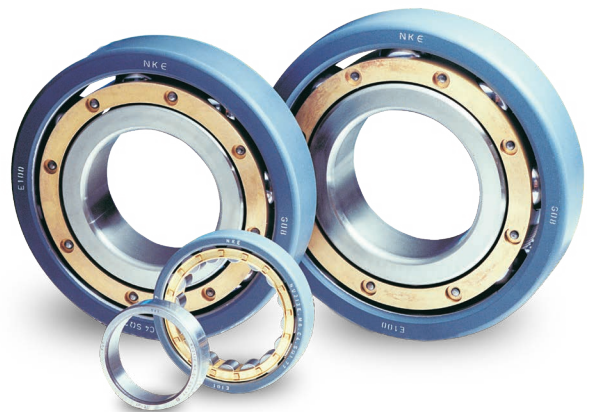
- Cylindrical roller bearings
- Deep groove ball bearings
- Four-point contact ball bearings
- Spherical roller bearings
- Tapered roller bearings



## Our 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)

# Common NKE FERSA 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/C3VL2071	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.





## Our commitment: bearings to keep your wind turbines running

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



From original equipment to replacement parts we are trusted by the best!

Art.No 91898

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



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