

A red high-speed train is shown traveling through a lush green forest. In the background, there are large, rugged mountains under a clear sky. The train is moving along a track that curves through the landscape.

NKE
BEARINGS

BEARINGS FOR RAILWAY APPLICATIONS

Photo credit Jacques Bopp on unsplash

FERSAGROUP

Shaping the future of motion technology

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.

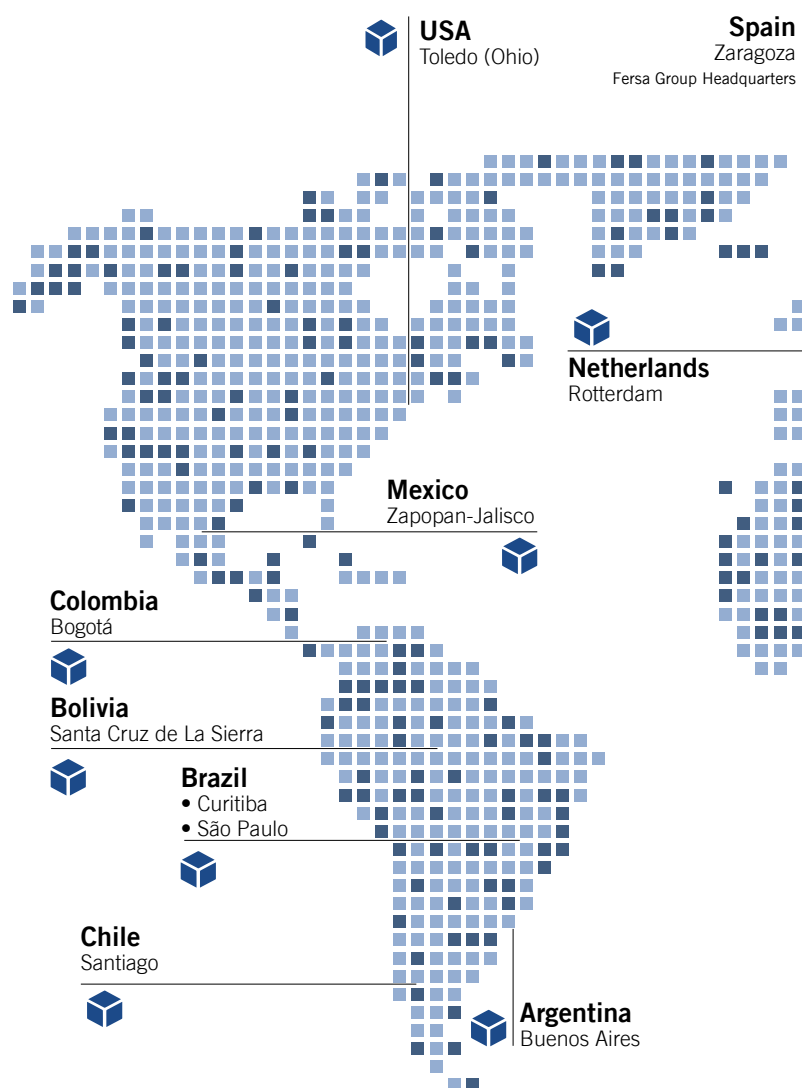


Global Presence

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



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



Turkey
Bayrakli-Izmire



India
• Mumbai
• Surendranagar
• Rajkot
• Pune



Singapur
Pioneer



Australia
Melbourne



Productive center

R&D

Technology Center



Logistics Center



Quality Center

THE PERFECT SOLUTION FOR RAILWAY APPLICATIONS

STEYR - AUSTRIA - NKE HEADQUARTERS INNOVATIVE MANUFACTURING CAPABILITIES

R&D, MANUFACTURING & LOGISTICS CENTER

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



AUSTRIAN QUALITY COMBINED WITH ADVANCED TECHNOLOGY

NKE BEARINGS THE PERFECT SOLUTION FOR RAILWAY APPLICATIONS

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

COMMONLY USED TYPES FOR RAILWAY APPLICATIONS:

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



NKE HYBRID & ELECTRICALLY INSULATED BEARINGS KEEP YOUR TRAINS MOVING

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 RAILWAY BEARINGS (FAST MOVERS)

Bearing designation	Description
NH320-E-M6-C4-SQ1	SQ1 – Cylindrical Roller Bearings for Traction Drivetrain Application
NJ/NU324-E-M6-C4-SQ1	SQ1 – Cylindrical Roller Bearings for Traction Drivetrain Application
NU326-E-M6-C4-SQ1	SQ1 – Cylindrical Roller Bearings for Traction Drivetrain Application
NJ/NU328-E-M6-C4-SQ1	SQ1 – Cylindrical Roller Bearings for Traction Drivetrain Application
NJ/NU330-E-M6-C4-SQ1	SQ1 – Cylindrical Roller Bearings for Traction Drivetrain Application
NU332-E-M6-C4-SQ1	SQ1 – Cylindrical Roller Bearings for Traction Drivetrain Application
NH2218-E-M6-C4-SQ1	SQ1 – Cylindrical Roller Bearings for Traction Drivetrain Application
NU210-E-M6-C3H-SQ1-SQ77	SQ1 – Cylindrical Roller Bearings for Traction Drivetrain Application SQ77 = electrically insulating outer ring coating
6215-MR-P65H-HYB	-HYB = Hybrid Traction Motor Bearing, ceramic rolling elements
6220-MR-C5H-SQ77	SQ77 = electrically insulating outer ring coating
6316-M-C5-SQ77	SQ77 = electrically insulating outer ring coating
6322-A-MR-C5H-SQ77	SQ77 = electrically insulating outer ring coating
QJ219-N2-MPA-C3	Traction gearbox bearing.
QJ214-N2-MPA-C4	Traction gearbox bearing.
QJ228-N2-MPA-C4	Traction gearbox bearing.
32940-HB1-SQ101	Traction gearbox bearing. HB1 = outer and inner ring bainitic hardened SQ101 = locating slot on the outer ring

*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 TRAINS MOVING

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



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

- | | |
|-----------------------|--------------|
| / ABB | / JOHN DEERE |
| / BANGLADESH RAILWAYS | / MAN |
| / CZECH RAILWAYS | / NEWAG |
| / DAIMLER | / ÖBB |
| / DANA | / SIEMENS |
| / ENVISION | / WIKOV |
| / GMEINDER | / ZF |
| / LH GROUP | |



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