

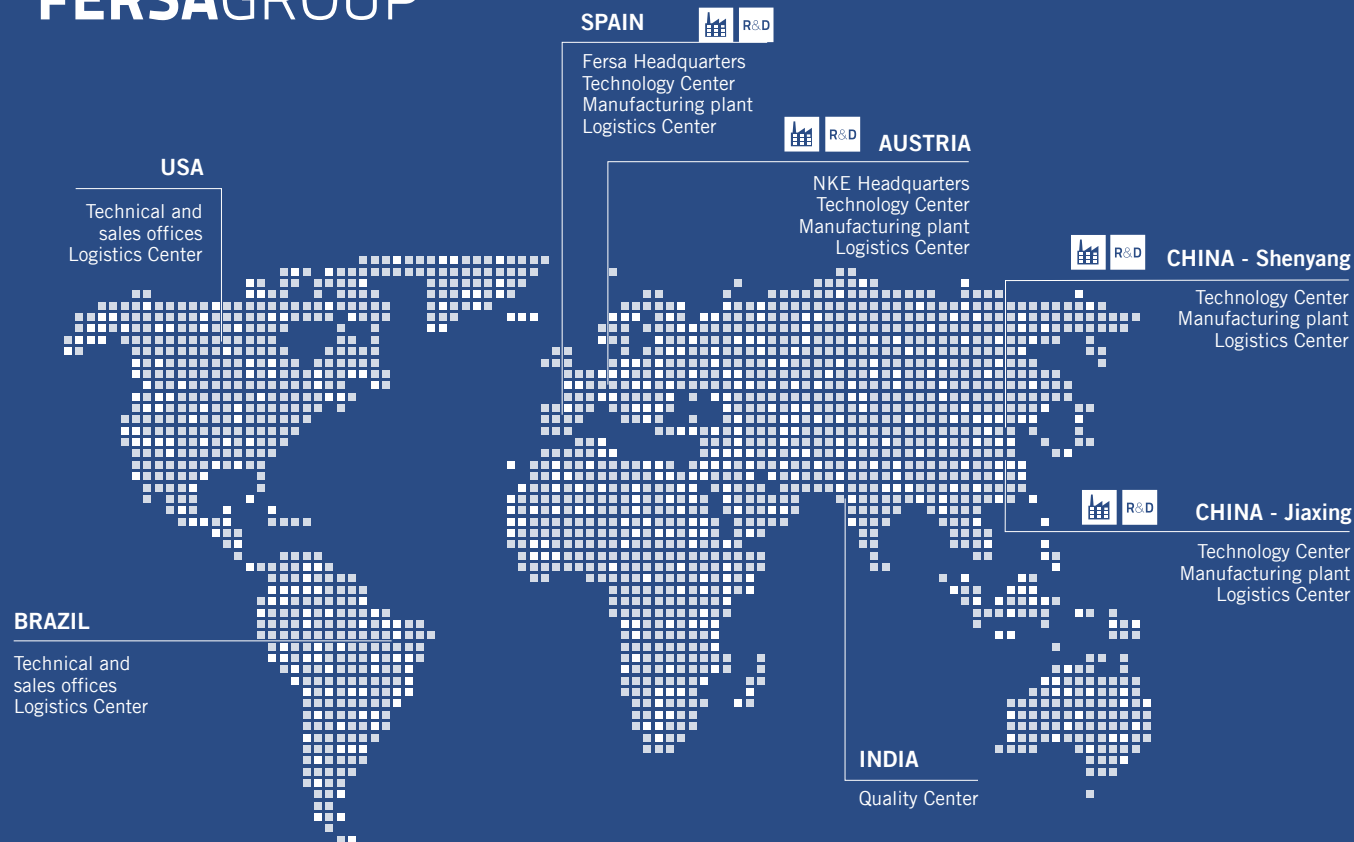
WE ARE FERSA GROUP A SPANISH-AUSTRIAN COMPANY

Fersa Group was created through the merger of two European bearing manufacturers: Fersa Bearings in Spain and NKE in Austria. Both are globally active in the design, production and distribution of high quality bearings for the global automotive and industrial markets.

Over 50 years of manufacturing experience and the trust of leading OEMs, Tier 1 and their respective aftermarkets endorse our products and services.

Fersa Group has an extensive network of distribution centers that service globally. We count with local facilities in Austria, Brazil, China, Spain and USA and state-of-the-art manufacturing centers in Austria, China and Spain.

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NKE
B E A R I N G S

BEARINGS FOR CONVEYOR BELT ROLLERS

FERSAGROUP

THE PERFECT SOLUTION TO INDUSTRIAL APPLICATIONS

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 AUSTRIA GmbH is a first class bearing manufacturer with HQ in Steyr, Austria.

We offer.

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

Quality guaranteed at 100%.

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.



One of the most vital parts of the rollers/idlers in the conveyor belts are the bearings.

The main objective of the rollers and stations on a conveyor belt is to shape the belt, provide support for the minerals transported and reduce resistance to movement, so that the material is transported at the lowest cost.

In the opencast mining industry, the conveyor belt roller systems are subject to the following operational factors, among others:

- / Working conditions: High loads and possible impact loads.
- / Additional loads due to shaft deflection and vibrations.
- / High turning speeds.
- / Unfavorable weather conditions, extreme temperature variations, humidity, rain and snow.
- / High level of external contamination.

Although the ball bearings used in the rollers have been correctly selected, are sealed and lubricated, this does not mean that the aforementioned working conditions do not affect them.

Especially the tremendous pollution in the mining environment, can infiltrate impurities that will cause unwanted effects. These will not only reduce the bearing-life, but will also have consequences on the performance and reliability of the rest of the components of the conveyor-system.



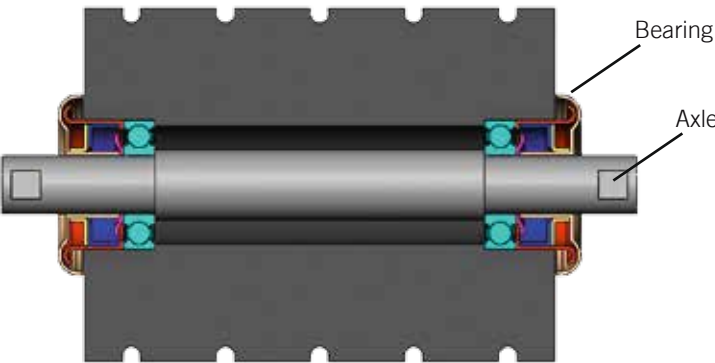
AUSTRIAN QUALITY COMBINED WITH ADVANCED TECHNOLOGY

NKE's new and special bearing design for conveyor belt rollers, will help substantially to reduce the incidence of the following issues with positive results:

- / Reduction of fire risks.
- / Extend the duration of the belt.
- / Contribute to the reduction of energy consumption.
- / Improve the conveyor-system reliability.
- / Contribute significantly to the reduction of operationing costs.

The most common bearing sizes for this application range from 30mm to 50mm inner diameter.

The single row ball bearings designed by NKE, especially for conveyor belt rollers, are engineered to operate under the most adverse conditions.



Designed by NKE to operate in the most adverse conditions, the deep groove ball bearings, especially for the usage on conveyor belt rollers, are the result of extensive analyses that have allowed the introduction of the following improvements that will guarantee a better performance compared to the standard bearings:

- / Special cage design with low friction synthetic material.
- / Improved raceway geometry.
- / Special radial internal clearance.
- / NKE special design shields, contacting and low-friction seals.
- / Carefully specially selected grease with a broad operating temperature range to resist thermal variations.

NKE Suffix	Details
SQ205A	Shields*
SQ205B	Low-friction seals*
SQ205C	Contacting seals*

*All variations with special cage design and mineral oil+synthetic hydrocarbon oil based grease filling

