

NSK Europe Ltd. Facts & Figures

(per August 1st, 2023)

Start of European NSK Businesses

- 1916 NSK (Nippon Seiko K.K.) established in Tokyo (Japan).
- 1963 Implementation of first European Sales Office in Düsseldorf (Germany).
- 1976 NSK Plant in Peterlee (UK) started production.

Sales: more than 893 mil. € in Europe as per March 2023

Employees: more than 4000 in Europe

Business Units & Products

NSK Industrial Bearings & Linear Components (EIBU – European Industrial Business Unit)

European Headquarter:	Ratingen (D)
Product Portfolio:	Ball Bearings, Cylindrical Roller Bearings, Tapered Roller Bearings, Spherical Roller Bearings, Thrust Bearings, Super Precision Bearings, Mounted Units, ProKIT, Ball Screws, Linear Guides, and a wide variety of Mechatronic products.
Channels:	Industrial Aftermarket Automotive Aftermarket Bearings OEM, Linear Products Sectors, such as: Agriculture, Automotive Production, Cement, Domestic Appliances, Electrical, Fans & Blowers, Food & Beverage, Industrial Gearboxes, Handling & Automation, Injection Molding, Machine Tools, Power Transmission, Printing, Pulp & Paper, Pumps & Compressors, Quarry, Mining & Construction, Railway, Semiconductor & Medical, Steel & Metals, Wind Energy as well as strong supply into EMEA aftermarket channels.
Production Plants:	Munderkingen/Ulm (D), Newark (UK)
Sales Offices:	Barcelona (E), Dubai (UAE), Guyancourt (F), Istanbul (TR), Johannesburg (South Africa), Milan (I), Newark (UK), Ratingen (D), St. Petersburg (RU), Warsaw (PL)
Technology Centres:	Kielce (PL), Newark (UK), Ratingen (D)
Logistic Centres:	Newark (UK), Tilburg (NL)

NSK Automotive Bearings & Modules (EABU – European Automotive Business Unit)

European Headquarter:	Ratingen (D)
Product Portfolio:	Chassis Bearings, Bearings for Powertrain Applications, Bearings for Engine Accessories and Electrical Motors
Channels:	Automotive OEM, 1 st and 2 nd Tier
Production Plants:	Peterlee (UK), Kielce (PL)
Sales Offices:	Barcelona (E), Guyancourt (F), Milan (I), Ratingen (D), Stuttgart (D), Wolfsburg (D)
Technology Centres:	Kielce (PL), Newark (UK), Ratingen (D)
Logistic Centres	Tilburg (NL)

NSK Steering Systems

From 2023, August 1st the Global Steering Business has been moved into a Joint Venture between Japan Industrial Solutions and NSK Ltd. with a shareholding of 51:49.

European Engineering & Technology (R&D)

Technology Centres:

Industrial Machinery Bearings:
Newark (UK), Ratingen (D), Kielce (PL), Munderkingen (D)

Automotive Bearings:
Newark (UK), Ratingen (D), Kielce (PL)

Automotive Steering:
Guyancourt (F), Newark (UK), Ratingen (D), Stuttgart (D)

Four Key Areas of Activity:

Application Engineering.

Technical support of customers, distributors, manufacturing operations

Design.

New product design and development

Testing.

Application related testing

Investigation.

Detailed analysis of bearings & linear products, and surrounding components

Four Core Technologies plus One:

Tribology (Friction Control Technology)

Good lubrication is vital to bearings that have to withstand linear and rotational loads. Thanks to improved grease formulations and surface processing methods, we're in a position to develop faster, quieter, and more durable bearings capable of sustaining the heaviest of loads.

Numerical Simulation

As part of our product development, computer simulations play an essential role in the process. Through them, we can not only assess our products under extreme conditions, but also gain valuable insights into product design and finishing processes.

Materials

Materials are continually being developed in order to improve the functionality and durability of rolling bearings. And NSK is right there at the leading edge. Our research focuses mainly on the areas of material design, heat treatment, performance evaluation and analytical evaluation. The results of this research go straight back into our products.

Mechatronics

Through the combination of mechanics and electronics, key advances in high-performance motors, control technology, highly precise sensing technology and biomedical microelectromechanical systems become possible. Mechatronics also play an important role in assembly technology applications that demand high temperatures, power density and reliability.

Manufacturing Engineering

Contributing to the environment and enhancing safety & security through our Four Core Technologies requires something to breathe life into these technologies. NSK applies AI to its equipment, utilizing IoT, and optimising its overall production framework while it works to realise the creation of smart factories that save on space & energy, and reduce manpower requirements.

Main areas of expertise:

Development of...

- › Industrial Bearings (General motors, household appliances, wind turbines, pumps & compressors, industrial gearboxes, agriculture, etc.)
- › Linear Products: Ball Screw solutions for Machine Tool, Injection Molding, Medical, Measuring Technology, etc.
- › Precision Bearings (Material- and lubrication technology; analysis and evaluation technology, etc.)
- › Chassis Bearings (HUB I-III)
- › Powertrain:
 - Manual Gearboxes
 - Automatic Gearboxes (CVT gearboxes, DCT gearboxes, Driveline bearings)
- › Engine Accessories & Electrical Motors (Alternators, Water Pumps, Electrification)

Awards of the last years

Bosch - Preferred Supplier - Material Group Bearings
Bosch - Supplier Award

Brammer Award

BSH - Supplier Award

Continental - Supplier Award

DMG - Supplier of the Year – Quality

Festool Award

Kessler - Supplier of the Year - Delivery

KTM - Supplier Quality Excellence Award

PSA - Supplier's Awards – Quality

Toyota - Superior Performance Award, Quality - NSK Europe

Toyota - Certificate of Recognition, Supply - NSK Europe

Toyota Motors South Africa - Supplier award – Quality

Toyota - Quality Award - NSK Needle Bearing Poland Sp. Z O.O. (NNBP)

Toyota - Quality Award - NSK Bearings Polska S.A.

Toyota Manufacturing UK - Certificate of Recognition

Toyota Manufacturing UK - Project Management Award

Toyota Manufacturing UK - Superior Performance Award

Toyota Manufacturing UK - Achievement Award

Volkswagen - Group Award

Volkswagen - Supplier Award - Excellence in Development

Company Background & Milestones

1916: NSK Ltd. is established in Tokyo, Japan

1960's: Opening of first NSK Sales Offices in Ann Arbor, Michigan USA and Düsseldorf, Germany

1970's: Opening of Production Plants in Sao Paolo, Brazil, North America, UK and Asia

1990's: Purchase of the UPI Group including RHP (UK) and Neuweg (Germany). Further opening of Sales Offices & Production Plants in UK, Germany & Switzerland

2000's: Finalisation of Fujisawa Research & Development Centre in Japan & opening of the Technology Centre in Germany

2010's: Expansion of Technology Centre, Germany, expansion of European production facilities, expansion of HPS Rolling Bearings, expansion of low friction Bearings for Electric & Hybrid Cars, most compact & strongest C-EPS System developed

European Executives

- › Akitoshi Ichii, President and CEO, NSK Ltd. in Tokyo, Japan
- › Dr Ulrich Nass, Chief Executive Officer, NSK Europe Ltd.
- › Michio Komaba, Deputy Head of all European operations, NSK Europe Ltd.
- › Mark Trivett, Chief Financial Officer, NSK Europe Ltd.
- › Richard Butler, Managing Director European Industrial Business Unit (EIBU), NSK Europe Ltd.
- › Matthieu Lavieuvville, Managing Director European Automotive Business Unit (EABU), NSK Europe Ltd.
- › Andrew Savage, European HR Director, NSK Europe Ltd.
- › Tony Doran, Senior Director Enterprise Project Management Office, NSK Europe Ltd.
- › Cengiz Yesilbas, European Quality Director, NSK Europe Ltd.
- › Tim Parker, Legal Director & Company Secretary, NSK Europe Ltd.