

Introduction

NSK Supporting Society

NSK is creating value to support society everywhere in the world. A vast array of NSK products centered on bearings continue to excel in every industry, ranging from home appliances, automobiles, communication base stations, and other items that support people's daily lives to machine tools, robotics, and wind turbines. NSK products will continue to support a society that is safe, secure, comfortable, and environmentally friendly.

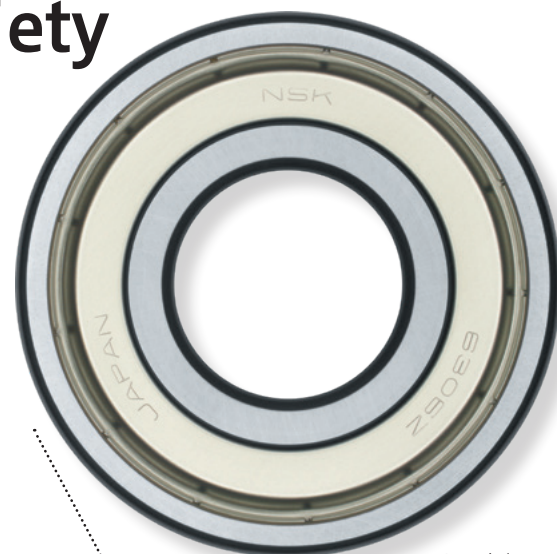
▶ PP.80-81 Basic Knowledge of NSK Products

In automobiles, unit-type bearings and EPS are of great assistance



Double-row angular contact ball bearings with inner and outer mounting flange (HUB III for driven wheels)

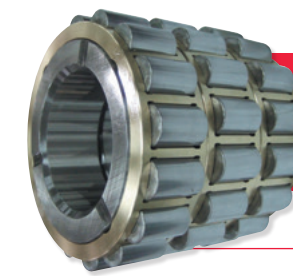
Column-type electric power steering (EPS)



Actual size

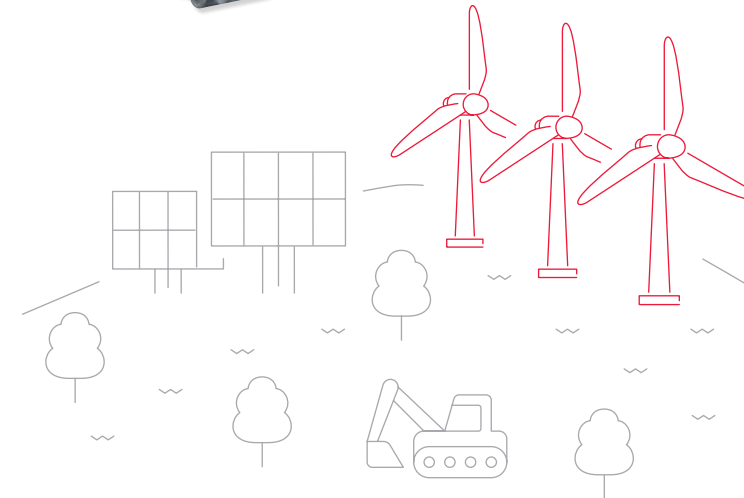
Contributing to a comfortable life that is friendly to people and the environment

Drum-supporting bearings for high load capacity washing machines



Contributing to the protection of the global environment through the stable operation of wind turbines

Integrated cylindrical roller bearings



Contributing to higher precision and productivity in parts machining

NSK super precision bearings



Contributing to safe, secure, comfortable, and environmentally friendly means of transportation

Low-maintenance high-reliability gearbox bearings



In addition to bearings, ball screws and other precision machinery products support society



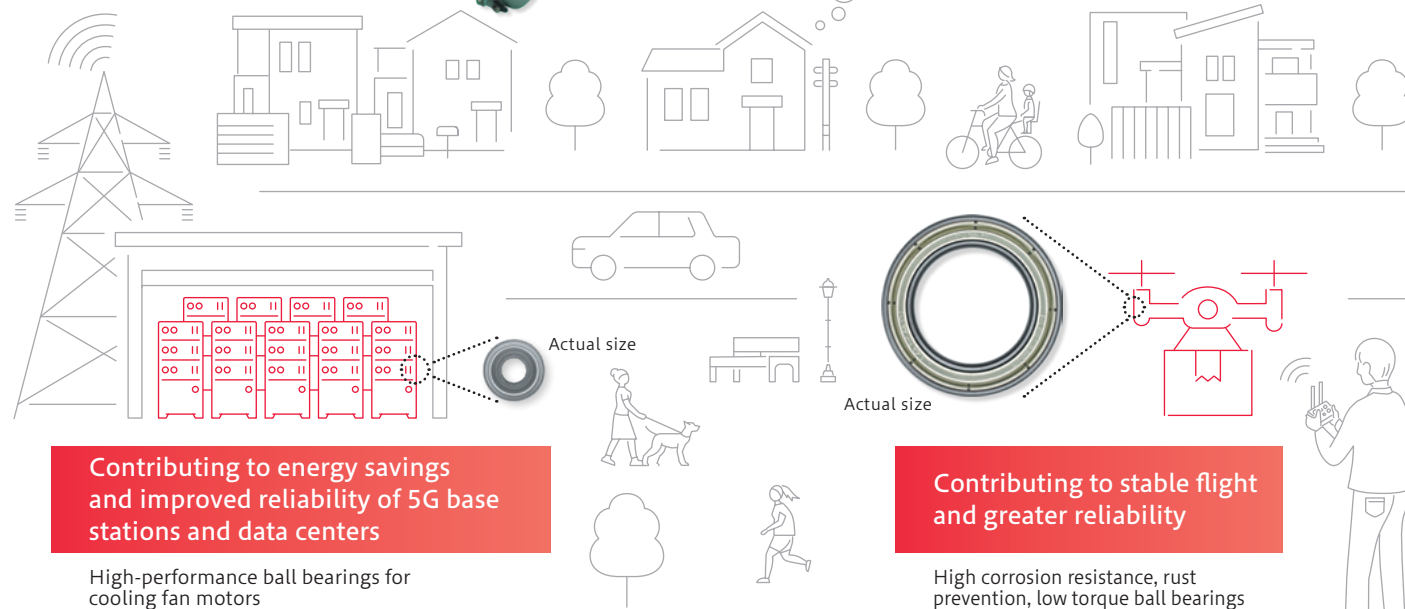
High durability precision ball screws

NSK Linear Guides™ roller guide RA series



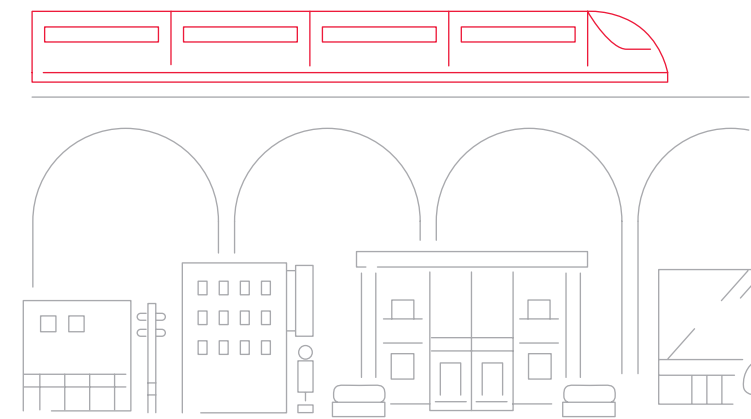
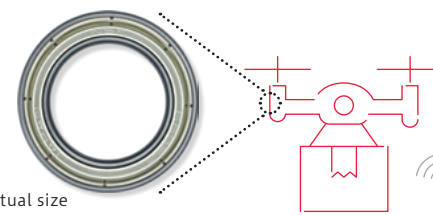
Contributing to energy savings and improved reliability of 5G base stations and data centers

High-performance ball bearings for cooling fan motors



Contributing to stable flight and greater reliability

High corrosion resistance, rust prevention, low torque ball bearings



From 2 mm size for small items

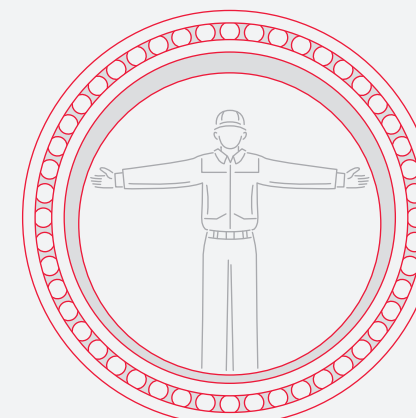
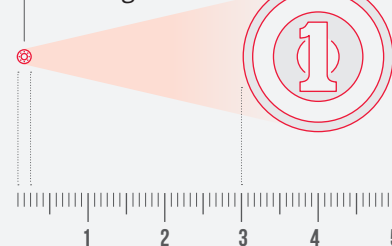
On average, about 100 bearings are used in such home appliances as washing machines and vacuum cleaners, and 100-150 in automobiles. Some of the smaller bearings have an external configuration of 2 mm. Bearings are also playing key roles in a variety of new fields, including communication base stations, which are underpinning the trend toward digitization, and drones.

Applications

- Home Appliances (e.g., washing machines, vacuum cleaners, air conditioners)
- Automobiles (e.g., ICE, HEVs, EVs, PHEVs)
- Medical Equipment (e.g., dental spindles)
- Communication Base Stations/Data Center
- Drones, etc.

One-yen coin (20 mm)

Smallest bearing (2 mm)



There are also bearings bigger than people!

Other than in people's day-to-day lives, NSK products are used, for example, in machine tools that are indispensable for manufacturing, while contributing to the advancement of machining accuracy and productivity. In the renewable energy field, large bearings are utilized in wind power generation. Depending on the application, there are also massive bearings that have an outer diameter of six meters.

Applications

- Machine Tools
- Industrial Robots
- Wind Turbines
- Train Cars
- Mining and Construction
- Pumps and Compressors
- Steelmaking Facilities, etc.