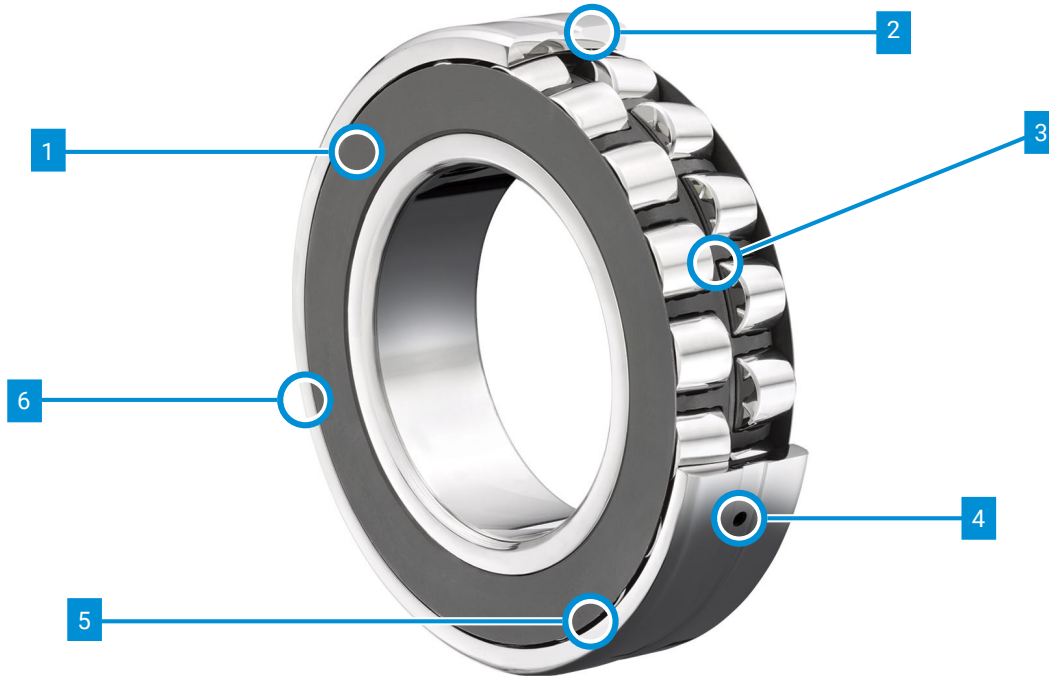


**[KIZEI]**®  
ARMORED TO FACE THE DIRT

The first spherical roller bearing with metallic shields



## Features and benefits

1. Nitrided steel shields affixed to the cage on both sides of the bearing keep contamination out and retain grease for longer bearing life
2. Standard ISO dimensions with offerings in both straight and taper bore, as well as standard and C3 clearance, for easy interchangeability with standard 22200 series bearings
3. ULTAGE design provides superior performance with maximum load and speed ratings
4. Lubrication hole and groove on outer diameter for easy lubrication
5. Easy-to-check internal clearance requires no special equipment
6. Similar misalignment capability as standard open spherical roller bearings

Bearing Number <sup>1</sup>	
Cylindrical Bore	Tapered Bore
22208EAW33ZZ	22208EAKW33ZZ
22209EAW33ZZ	22209EAKW33ZZ
22210EAW33ZZ	22210EAKW33ZZ
22211EAW33ZZ	22211EAKW33ZZ
22212EAW33ZZ	22212EAKW33ZZ
22213EAW33ZZ	22213EAKW33ZZ
22215EAW33ZZ	22215EAKW33ZZ
22216EAW33ZZ	22216EAKW33ZZ
22217EAW33ZZ	22217EAKW33ZZ
22218EAW33ZZ	22218EAKW33ZZ
22220EAW33ZZ	22220EAKW33ZZ

1) "K" indicates bearings have tapered bore with a taper ratio of 1:12.

# ULTAGE<sup>®</sup>

## The ULTAGE Advantage

Combining premium-grade materials, optimized design and precision manufacturing, ULTAGE is the new generation of high-performance bearings from NTN that delivers unmatched service life, the highest limiting speeds and the best load capacities on the market to maximize the productivity of your equipment.

Encompassing a wide variety of key bearing types such as spherical roller, cylindrical roller, tapered roller, heavy-duty mounted roller, angular contact and radial ball bearings, the ULTAGE line of superior, high-performance bearings from NTN delivers:

- **Extended service life** for better return on our end-users' investment.
- **Greater performance**, longer production and less downtime.
- **Dependable product availability**, thanks to a wide, robust distribution network.
- **Extras that go beyond** a standard offering, including on-site and web-based technical training, installation support, digital resources and more.

## Ready to get rolling?

We're here to help you achieve your productivity and performance goals. For more information, contact your NTN Sales Representative or call **1.800.323.2358**. For technical questions, email [eng@ntnamerica.com](mailto:eng@ntnamerica.com).

NTN BEARING CORPORATION OF AMERICA  
1600 E. Bishop Court • Mount Prospect, IL 60056-7604  
Tel: 847-298-7500 • Fax: 847-294-1205 • [www.ntnamericas.com](http://www.ntnamericas.com)



## Beyond Bearings

Training. Installation Support. Trouble-shooting. And more.

When you choose NTN, your team is equipped with all the necessary tools and resources to get the job done right. From installation to problem-solving, we'll be there with the hands-on support you need to take on your toughest challenges. This includes extra services such as:



### Technical Training Unit

On-site, mobile training unit offering specialized, hands-on instruction from NTN engineers



### Product Training School

Three days of in-depth instruction from NTN engineers at headquarters  
([go.ntnamericas.com/trainingschool](http://go.ntnamericas.com/trainingschool))



### eKnowledge

WEB-BASED TRAINING PROGRAM

Six online product training modules covering different bearing types and nomenclature  
([www.ntnamericas.com/eknowledge](http://www.ntnamericas.com/eknowledge))



### NTN Bearing Finder

Customizable search tool featuring exhaustive data sets, comprehensive part interchanges and interactive CAD drawings  
([bearingfinder.ntnamericas.com](http://bearingfinder.ntnamericas.com))