

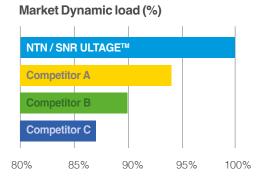


Spherical roller bearings

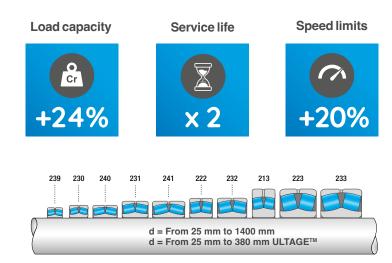
An unrivalled extensive product range

Spherical roller bearings are engineered to **offer excellent resistance to high temperatures and loads**, meaning that they are capable of withstanding the harshest applications. They are a popular choice for absorbing misalignments, impacts and vibrations, as well as operating in polluted environments.

Less downtime, more profit!



Study realized in 2021, based on the 3 main European market players



ULTAGE™ EM design - massive brass cag

No floating guiding ring nor fixed central rib

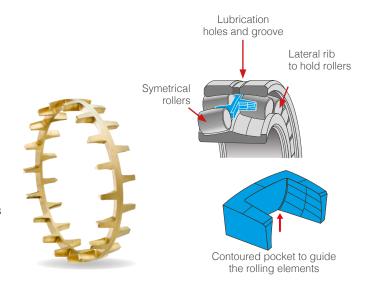
- Improved lubrication
- Decreased friction
- Reduced operating temperature

Enveloping cage centered on rollers

- Excellent rollers stability under heavy load
- Reduction of heat generation
- No seizure risk linked to thermal expansion

Single piece brass cage

- Excellent resistance to shock and vibration
- Self-lubricating property, decreasing friction with rollers
- Increased speed
- Optimised curvature ratio
- · Reduced contact pressure
- Longer service life
- Lower maintenance costs



*NTN also offers other cages in its spherical offer: steel and polyamide (the last one upon request)



Dedicated products EF800 series for high-vibration applications

The EF800 series is equipped with a solid brass cage and is particularly recommended for use in heavy-duty applications and vibration systems (shaker screens, crushers, grinders...).

Bénéfices

- Increased service life
- Wider maintenance intervals
- Greater operational profitability

Optimize the efficiency of your screens!

Characteristics

Massive brass cage

- ULTAGE[™] bearing with symmetrical rollers and machined brass alloy one-piece cage centred on the rolling elements.
- No floating guide ring or fixed central shoulder section to avoid any risk of a cage/ring seizure in the event of thermal expansion. The selflubricating properties of the material help to limit heat build-up at high speeds.

Specific dimensional tolerances

· Specific tolerances for the outer diameter and bore: reduced for the outer diameters and for cylindrical /tapered bores compared with the tolerance ranges of the standard series, guaranteeing a perfect fit of the ring.

Reduced internal radial clearance

• The C4 internal clearance of the EF800 series is reduced to 2/3 of the standard C4 internal clearance in order to obtain improved running properties during operation.

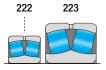
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0*	CI	earance in microns	

135

C4

EF800

EF800 series = C4 with reduced tolerance



48 par numbers available d = from 40 mm to 200 mm

Further dimensions are possible upon request



FOLLOW

Max

180

180



More informations on:

www.ntn-europe.com











ULTAGE



^{*}Cylindrical bore