SPHERICAL ROLLER BEARINGS

MULTI-MARKET KITS
An innovative offer at your service

www.ntn-sn.com
With You
NTN-SNR
INNOVATION DRIVING
YOUR PRODUCTION

Movement. It is constantly changing. It is analysed, brought under control, guided and mastered with the aim of deriving maximum benefit. It is more than merely a concept. It is the very essence of our commitment, namely designing and innovating to deliver the perfect solutions to the issues and constraints of today and tomorrow.

There are thousands of us around the world masterminding and developing solutions to raise the bar on your production performance. Our world-leading brands (NTN, BCA, BOWER and SNR) are marketed worldwide and deliver the best-fit solutions for working together and building a more environmentally-friendly society. Follow our lead and use interaction, anticipation and adaptation as the keys to guiding and shaping the future of the manufacturing, automotive and aviation markets.
OUR KITS

PARTIAL MAINTENANCE
(Without replacing the plummer block)

- 1 sealed spherical bearing
- 1 withdrawal sleeve
  (specific sealed)
- 2 thrust collars
  (specific sealed)
- technical instructions
  (for adjustment of the internal clearance by axial displacement + relubrication instructions)

COMPLETE MAINTENANCE

- 1 SNC plumer block (in 2 parts)
- 1 bearing (sealed spherical)
- 1 withdrawal sleeve
  (specific sealed)
- 2 thrust collars
  (specific sealed)
- 2 sets of nitrile rubber seals
- 1 plug
- technical instructions
  (for adjustment of the internal clearance by axial displacement + relubrication instructions)

<table>
<thead>
<tr>
<th>SHAFT DIAMETER (mm)</th>
<th>LIMIT SPEED (rpm)</th>
<th>SEALED BEARING KIT (EE)</th>
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<td>2300</td>
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<table>
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<tr>
<th>SHAFT DIAMETER (mm)</th>
<th>LIMIT SPEED (rpm)</th>
<th>SNC PILLOW BLOCK KIT + SEALED BEARING (EE)</th>
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</table>

Each kit reference is available with standard (CN) or increased (C3) clearance.
ADVANTAGES OF THE KIT

INNOVATION FOR GREATER PEACE OF MIND
Offering you an optimal level of service!

STREAMLINED ADMINISTRATION
Only one reference to order and store.

EFFECTIVE MAINTENANCE
Hose KITS: fixed or floating pillow block/ bearing (plug, seals and thrust collars included).

QUALITY DEPARTMENT
Specific components for each bearing included in the KIT, reducing the risk of errors and omissions.

SAVING SPACE AND TIME
All the components required for the maintenance operation in one place in the warehouse.

EASE OF USE FOR BETTER PRODUCTIVITY (TCO*)
Improve the performance of your activity!

ECONOMIC GAINS
Price of the KIT cheaper than the retail purchase of individual components.

REDUCTION IN GREASE CONSUMPTION
Elimination of pillow block lubrication and only one relubrication of the bearing during the year for the sealed bearing KIT (EE).

OPTIMAL TECHNICAL SOLUTION FOR TCO
In the case of the sealed bearing KIT (EE), the service life of the bearing is multiplied by 3 compared to that of a standard open bearing.

ENVIRONMENTAL BENEFITS
In the case of the Sealed Bearing KIT (EE), reducing the number of bearings consumed by 3 and using less grease.

OPTIMISED MAINTENANCE
The use of the sealed bearing kit (EE) makes it possible to divide the frequency of intervention by 3, thereby reducing production downtime.

*Total Cost of Ownership.
FOR YOUR SPECIFIC APPLICATIONS, REFER TO OUR DETAILED ADDITIONAL OFFERS:

NTN-SNR, solutions for the food processing industry

NTN-SNR, solutions for steelworks

NTN-SNR, solutions for quarries

Download from:
www.ntn-snr.com/fr/documents
YOUR ADVANTAGES

ENHANCED SOLUTION
Efficient sealing of the bearing multiplies its service life by 3 compared to that of a standard open bearing.*

REDUCED MAINTENANCE
2 fewer maintenance interventions.

INTERVENTION EFFECTIVENESS
All the components required for the maintenance operation in a single KIT.

ENVIRONMENTAL PROTECTION
Fewer bearings consumed.
Less grease used.

YOUR CONSTRAINTS

• Harsh environment: dust, stone projection, shocks, humidity, weather variations.
• Maintenance staff often reduced and much called upon.
• Increased environmental constraints

OUR RECOMMENDATIONS

➔ SEALED KIT*
  • KIT10X222..EAKW33EE (bearing)
  • KITSNC10X222..KEEDS (bearing + pillow block)

*The SEALED KIT is subject to the following restrictions:
- Operating temperature max → 110°C
- Max. rotation speed → see table on page 3
YOUR ADVANTAGES

DOUBLE SEALING
The pillow block seals and bearing seals provide double protection against abrasive particles, resulting in a longer service life of the assembly.

INTERVENTION EFFECTIVENESS
All-in-one KIT, including all components necessary for repair. No more mistakes or omissions.

ECONOMIC GAIN
Price of the KIT more attractive than the retail purchase of individual components.

YOUR CONSTRAINTS

• Abrasiveness: sawdust, humidity, weather variations.
• Accessibility to facilities is not always easy and potentially dangerous for the maintenance operator.
• Productivity: search for solutions to lower operating costs.

OUR RECOMMENDATIONS

➔ SEALED KIT*
  • KIT10X222..EAKW33EE (bearing)
  • KITSNC10X222..KEEDS (bearing + pillow block)

*The SEALED KIT is subject to the following restrictions:
- Operating temperature: max. 110°C
- Max. rotation speed: see table on page 3
YOUR CONSTRAINTS
- Limitation and simplification of maintenance interventions in order to reduce the downtime duration
- Regular regreasing of pillow blocks to prevent corrosion

OUR RECOMMENDATIONS
- STANDARD KIT + DRIVE BOOSTER
  - KITSNC222..KDS/DB120HD
    (bearing + pillow block)

YOUR ADVANTAGES

TIME SAVING
No time wasted looking for components for the intervention.

SIMPLIFIED MAINTENANCE
A pre-assembled KIT: only one box to carry. One product for two applications (fixed or floating pillow block/bearing).

REGREASING ELIMINATED
Thanks to the use of a DRIVE BOOSTER single-point lubricator, the grease dosage of the bearing is optimised (up to one year).
YOUR CONSTRAINTS

- **Highly aggressive environment** due to the abrasive nature of the slag powder. Need for increased bearing protection.
- **Continuous optimisation of the operation of facilities** in order to reduce the troubleshooting rate and machine downtime.
- **Limiting the management** of orders and stock of spare parts.

OUR RECOMMENDATIONS

- **SEALED KIT**
  - **KIT10X222..EAKW33EE** (bearing)
  - **KITSNC10X222..KEEDS** (bearing + pillow block)

YOUR ADVANTAGES

**EFFECTIVENESS OF THE SEALED BEARING**

Seals designed to prevent pollution from entering the bearing.
Service life multiplied by 3 compared to that of a standard solution.

**REDUCED DOWNTIME**

Speed of intervention:
KIT including all the parts necessary for the repair.
2 fewer maintenance interventions thanks to the performance of the sealed bearing.

**SIMPLIFIED INVENTORY MANAGEMENT**

Only one reference to procure and store.

*The SEALED KIT is subject to the following restrictions:
- Operating temperature: max 110°C
- Max. rotation speed see table on page 3
YOUR CONSTRAINTS

• It is difficult to access silo feed conveyors because they are often positioned at a height.

• Presence of more or less fine powder (cereals, sugar, etc.) affecting the surrounding mechanical systems. Outdoor installation also subjects the application to weather variations.

• Strict limitation of contact between products and lubricants in mechanical installations.

• Preserving the environment.

OUR RECOMMENDATIONS

➔ SEALED KIT*
  • KIT10X222..EAKW33EE (bearing)
  • KITSNC10X222..KEEDS (bearing + pillow block)

*The SEALED KIT is subject to the following restrictions:
- Operating temperature max 110°C
- Max. rotation speed see table on page 3

YOUR ADVANTAGES

SIMPLIFIED MAINTENANCE
KIT enabling the maintenance of the 2 types of fixed or floating pillow block/bearing mounting.
The «ALL IN ONE» feature prevents any omissions or component errors.

PROTECTED BEARING
The perfect sealing of the bearing protects it from premature wear.
The sealed KIT also allows for longer maintenance intervals.

LIMITED REGREASING
Bearing designed to be regreased only once a year.

ENVIRONMENTAL PROTECTION
Fewer bearings consumed.
Less grease used.
YOUR CONSTRAINTS

- Retail component management, which results in cumbersome procurement, ordering and stock monitoring.
- Polluted grounds where these mobile vehicles operate, requiring, in case of breakdown, a quick maintenance intervention.
- Difficult access to bearing lubrication.

OUR RECOMMENDATIONS

→ STANDARD KIT +DRIVE BOOSTER

- KITSNC222..KDS/DB120HD (bearing + pillow block)

YOUR ADVANTAGES

EASIER MANAGEMENT

Only one reference to manage.

REACTIVE TROUBLESHOOTING

The «ALL IN ONE» feature offered by the KIT provides speed of intervention and peace of mind (no errors or omissions).

GREASE SAVINGS

Thanks to the use of a DRIVE BOOSTER single-point lubricator, the grease dosage of the bearing is optimised (up to one year). Regreasing campaigns are eliminated.
YOUR CONSTRAINTS

• The cleanliness and hygiene of the facilities are permanent concerns in this market.
• Perfect sealing of the mechanical assemblies to ensure their longevity despite repeated washing (often at high pressure).
• Permanent search for productivity actions.

OUR RECOMMENDATIONS

➔ SEALED KIT*

• KIT10X222..EAKW33EE (bearing)
• KITSNC10X222..KEEDS (bearing + pillow block)

*The SEALED KIT is subject to the following restrictions:
- Operating temperature → max 110°C
- Max. rotation speed → see table on page 3

YOUR ADVANTAGES

REDUCED GREASE LEAKS
The reduced frequencies of relubrication and the elimination of grease in the pillow blocks improve the overall cleanliness of the facility.

BETTER MOUNTING QUALITY
The sealed KIT meets the constraints of intensive washing of the facility. It makes it possible to significantly reduce maintenance interventions.

ECONOMIC GAIN
Price of the KIT more attractive than the retail purchase of individual components.
YOUR CONSTRAINTS

• The salty air in this market is a prominent factor, amplifying bearing wear.
• Need to optimise the number of items managed in stock.
• Cost effectiveness of facilities to be improved.

OUR RECOMMENDATIONS

→ SEALED KIT*

• KIT10X222..EAKW33EE (bearing)
• KITSNC10X222..KEEDS (bearing + pillow block)

*The SEALED KIT is subject to the following restrictions:
- Operating temperature  max 110°C
- Max. rotation speed  see table on page 3

YOUR ADVANTAGES

SERVICE LIFE MULTIPLIED BY 3
Setting up of reinforced bearing protection (seals).

SIMPLIFIED INVENTORY MANAGEMENT
Only one product reference to manage. Quicker intervention.

INCREASING THE LEVELS OF RETURNS
Fewer bearing purchases, reduced maintenance interventions as well as savings on grease consumption promote profitability.