



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.

CHOOSE THE ALL-IN-ONE

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)

SHAFT DIAMETER (mm)	LIMIT SPEED (rpm)	SEALED BEARING KIT (EE)
35	2300	KIT10X22208EAKW33EE
40	2100	KIT10X22209EAKW33EE
45	2000	KIT10X22210EAKW33EE
50	1800	KIT10X22211EAKW33EE
55	1600	KIT10X22212EAKW33EE
60	1500	KIT10X22213EAKW33EE
65	1300	KIT10X22215EAKW33EE
70	1200	KIT10X22216EAKW33EE
75	1200	KIT10X22217EAKW33EE
80	1100	KIT10X22218EAKW33EE
85	1100	KIT10X22219EAKW33EE
90	1000	KIT10X22220EAKW33EE

COMPLETE MAINTENANCE



- **1 SNC plummer 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)

SHAFT DIAMETER (mm)	LIMIT SPEED (rpm)	SNC PILLAR BLOCK KIT + SEALED BEARING (EE)
35	2300	KITSNC10X22208KEEDS
40	2100	KITSNC10X22209KEEDS
45	2000	KITSNC10X22210KEEDS
50	1800	KITSNC10X22211KEEDS
55	1600	KITSNC10X22212KEEDS
60	1500	KITSNC10X22213KEEDS
65	1300	KITSNC10X22215KEEDS
70	1200	KITSNC10X22216KEEDS
75	1200	KITSNC10X22217KEEDS
80	1100	KITSNC10X22218KEEDS



- **1 SNC plummer block** (in 2 parts)
- **1 bearing** (open standard spherical)
- **1 withdrawal sleeve**
- **2 thrust collars**
- **2 sets of nitrile rubber seals**
- **1 plug**
- **1 DRIVE BOOSTER automatic lubrication system**
- **technical instructions**
(for adjustment of the internal clearance by axial displacement + relubrication instructions)

SHAFT DIAMETER (mm)	SNC PILLAR BLOCK KIT + STANDARD OPEN BEARING
35	KITSNC22208KDS/DB1 20HD
40	KITSNC22209KDS/DB1 20HD
45	KITSNC22210KDS/DB1 20HD
50	KITSNC22211KDS/DB1 20HD
55	KITSNC22212KDS/DB1 20HD
60	KITSNC22213KDS/DB1 20HD
65	KITSNC22215KDS/DB1 20HD
70	KITSNC22216KDS/DB1 20HD
75	KITSNC22217KDS/DB1 20HD
80	KITSNC22218KDS/DB1 20HD

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

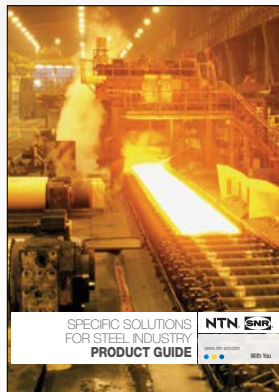
The use of the sealed bearing kit (EE) makes it possible to divide the frequency of intervention by 3, thereby reducing production downtime.

*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



MINE, QUARRY AND CEMENT WORKS

Example: aggregate conveyors



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

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.

SAWMILL

Example: wood conveyors



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 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

- **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).

STEEL INDUSTRY

Example: conveyors for slag processing



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)



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

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.



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)



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- 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.

WASTE PROCESSING

Example: vacuum trucks



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.

FOOD PROCESSING

Example: vegetable washing machines



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)



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- 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.

PORT FACILITIES

Example: loading conveyors



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.



SPHERICAL ROLLER BEARINGS

MULTI-MARKET KITS

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NTN-SNR ROULEMENTS - 1 rue des Usines - 74000 Annecy
RCS ANNECY B 325 821 072 - Code APE 2815Z - Code NACE 28.15
www.ntn-snr.com



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