



Maintenance: installation-removal Quality, for a longer service life

*Know-how and cleanliness are essential factors for bearing installation and removal.
SNR proposes suitable tools, tailored to your needs to optimize bearing service life.*

- ① - Induction heating devices: Fast Therm 20/35/150/300/600/1000
- ② - Installation kit
- ③ - Wrench for standard and precision locknuts
- ④ - Hydraulic extractor, 10T
- ⑤ - Kevlar®, heat-resistant gloves



You will find all our products in
SNR's Maintenance catalogue: 64 pages of solutions.

- Lubrication
- Installation & removal
- Measurement & monitoring
- Vibratory analysis, training, ...



Maintenance: lubrication

Your bearings' life insurance

To maintain all bearing properties, suitable lubrication is a constant requirement.

| Lubrication tips

Obtaining satisfactory lubrication as early as the first turns of the bearing is a prerequisite.

- Grease lubrication

It is recommended to use an SNR syringe or lubrication gun to inject grease under pressure:

- underneath the cage and between the rollers,
- underneath the rollers,

- then, rotate the rollers until the grease appears at the upper part, guaranteeing adequate lubricant film between rollers and races.

- Oil lubrication

Use a suitable oil, in sufficient quantity. The bearing must be « splash » - lubricated in oil.

| Relubrication

When bearings are operated at high speeds and temperatures, relubrication is required. Grease can be introduced via the groove and the 3 lubrication holes in the outer ring. The bearing must turn during

lubrication to obtain suitable grease distribution. It is advisable to use the same grease as that used for first greasing.

| SNR products tailored to your needs

- ① - SNR-LUB grease range, particularly suitable for spherical roller bearings:
 - **SNR-LUB EP grease:** extreme pressure: high loads, normal speed.
 - **SNR-LUB VX grease:** high loads, low speeds: recommended for vibratory applications.
 - **SNR-LUB FV grease:** low speeds.
- ② - Special grease gun for bearings.
- ③ - Automatic lubricator.





Monitoring, SNR Services: follow the life cycle of each bearing

Continuous and/or periodic vibratory monitoring

90% of the premature bearing failures are caused by external factors. Therefore, it is recommended to check the bearing state and monitor their evolution. The periodic/continuous inspection process is intended to detect and evaluate incipient failures in order to plan bearing replacement. The whole series of characteristic indicators must be set, depending on the concerned equipment: noise level, lubrication, bearing temperature in the application, aspect according to the pollution level, the dampness level, ...

In partnership with the **01dB-Metravib** company, SNR offers a range of monitoring devices to analyze the environmental constraints which are detrimental to correct operation of your bearings and facilities.

Our vibratory application expertise services will allow you to define:

- the monitoring methods and inspection means,
- the inspection periods,
- the organization to be put in place,
- the formal result recording process.



The laser sighting thermometer

For bearing temperature monitoring in operation.

Calibrated thickness gauges

Internal radial play measurement in spherical roller bearings and cylindrical bearings.

