NTN Solid Lubrication

No Grease. Less Maintenance.
More Uptime.



Over half of premature bearing failures are due to improper lubrication.

A bearing depends on the continuous presence of a thin film of lubricant between the raceway and rolling elements to perform at optimal levels, and bearing performance is greatly influenced by the quantity of grease. Too much or too little grease can both lead to early bearing failure.

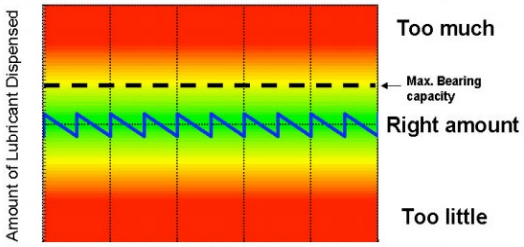


Figure 1. Planned Benefit of Well Defined Volume and Replacement Intervals

Why NTN solid lubrication?

1. **Low lubrication migration**
   Unlike oil or grease, solid lubricant has very little tendency to run, drip, or migrate into surrounding components.
2. **Maintenance-free lubrication**
   Solid lubricant is incorporated into the bearing and continuously provides lubrication without routine grease replenishment.
3. **Low torque characteristics**
   The running torque of bearings with spot-pack solid lubricant is lower than that of bearings using standard lubricants.
4. **Sealing effect**
   Solid lubricant adds additional protection against ingress of foreign matters (water, dust, etc.) when paired with seals.

What this means for you

- **Zero** relubrication requirements
- **Zero** maintenance
- **Zero** risk of grease cross contamination
- **Significantly reduced** grease leakage
- **Increased** bearing life
- **Improved** worker safety
- **Lower** inventory requirements

In stock NTN solid lube products

NTN ULTRA-CLASS™

- Bearing inserts spot-packed with NTN's FG1 solid lube.

NTN Sentinel™ Series

- Bearing inserts full-packed with NTN's FG1 solid lube.

NTN's FG1 solid lube is a proprietary blend of urea-synthetic grease oil and ultra-high-molecular-weight polyethylene that provides H1 food-grade compliance, excellent resistance to water, chemicals, and contaminant ingress, along with enhanced rust protection.

Note: Both ULTRA-CLASS and Sentinel Series utilize a FG1 suffix to identify LP09 solid lube.

Please contact NTN Engineering to review the use of solid lube in your application.

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 NTN headquarters or other regional locations around the country **(go.ntnamericas.com/trainingschool)**

eKnowledge

WEB-BASED TRAINING PROGRAM

Eight online product training modules covering different bearing types and nomenclature **(www.ntnamericas.com/eknowledge)**

NTN Bearing Finder

Customizable search tool featuring exhaustive data sets, comprehensive part interchanges and interactive CAD drawings **(bearingfinder.ntnamericas.com)**

Sign Up for NTN Insider

A monthly email from various NTN experts with tech tips, product information, and special announcements **(ntnamericas.com/ntn-insider)**



Ready to get rolling? Contact us today for full details at 1-800-323-2358 or eng@ntnamerica.com.

NTN®

NTN BEARING CORPORATION OF AMERICA • 1501 E. Woodfield Road, Suite 400E, Schaumburg, IL 60173
Tel: 847-298-7500 • Fax: 847-294-1205 • www.ntnamericas.com

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