

LSG HIGH SPEED COUPLING GREASE

HIGH-PERFORMANCE GREASE FOR HIGH-SPEED COUPLING APPLICATIONS

PRODUCT DATA SHEET

LSG HIGH SPEED COUPLING GREASE

High-Performance Grease for High-Speed Coupling Applications

LONE STAR
GREASE & LUBRICANTS



PRODUCT DATA

LSG High Speed Coupling Grease is a high-performance grease specifically engineered for high-speed and high-shear coupling applications.

It offers excellent adhesion, low oil separation, and minimal leakage, even under centrifugal forces and thermal cycling, making it ideal for use in grid, gear, and flexible shaft couplings.

Formulated with an advanced lithium complex thickener and high-quality base oils, it provides exceptional protection against oxidation, rust, and wear while minimizing wear and ensuring smooth torque transmission.

Its tacky consistency ensures reliable adhesion and retention, preventing sling-off at high rotational speeds.

This grease has been developed to meet the stringent demands of industrial power transmission systems. It resists breakdowns under mechanical stresses and high temperatures, providing long service intervals and reducing the need for frequent relubrication.

Its carefully balanced formulation can help minimize the risk of component misalignment, noise, and coupling fatigue—delivering optimal efficiency and longevity in couplings operating in continuous-duty environments.

LSG High Speed Coupling Grease is ideal for critical couplings in heavy duty industries, marine systems, energy infrastructure, pulp and paper, and petrochemical operations, helping you ensure reliable operation under dynamic load conditions while offering superior protection against heat, water ingress, and metal-to-metal wear.

CUSTOMER BENEFITS

- ✓ **Reduces downtime and maintenance** in high-speed coupling systems, maximizing operational efficiency.
- ✓ Maintains lubrication film under severe centrifugal forces, ensuring lubrication occurs at high speeds.
- ✓ **Resists water intrusion** in wet or humid environments, safeguarding critical components.
- ✓ Extends service intervals and reducing wear, leading to cost savings.
- ✓ Compatible with most coupling seal materials, ensuring broad applicability.

KEY FEATURES



High-speed capability with low bleed and fling off, ensuring consistent lubrication.



Excellent shear stability and mechanical consistency, maintaining integrity under dynamic stresses.



Outstanding resistance to water washout, protecting against moisture ingress.



Oxidation and corrosion inhibited for long service life, extending component durability.



NLGI Grade No. 1.5 — optimized for couplings, balancing lubrication needs with grease retention.

APPLICATIONS

LSG High Speed Coupling Grease is specifically engineered for use in lubricating flexible gear, grid, and chain couplings found in high-speed rotating equipment. It is especially effective in high RPM environments where sling-off and separation are common concerns. Industries include:



Manufacturing



Power Generation



Mining



Paper Mills



Industrial Processing Plants

This product is developed to meet the functional requirements of Manufacturing, Power Generation, Mining, Paper Mills and Industrial Processing Plants. For best performance and longevity, always follow the equipment manufacturer's relubrication guidelines.

PACKAGING



Cartridges
14 oz.



Pails
35 lbs.



Kegs
120 lbs.



Drums
400 lbs.

*Custom and Bulk Packaging available upon request.

TYPICAL PROPERTIES

Typical properties reflect the expected results within normal production tolerances but do not constitute a specification. Minor variations that do not impact product performance may occur during standard manufacturing processes or at different blending locations. The information provided here is subject to change without notice.

Property	Value	Test Method
NLGI Grade	1.5	ASTM D217
Worked Penetration (60X)	295 – 310	ASTM D217
Dropping Point (°C)	>260	ASTM D2265
Base Oil Viscosity @ 40°C (cSt)	220	ASTM D445
Four Ball Wear (mm)	0.40	ASTM D2266
Four Ball Weld Load (kg)	250	ASTM D2596
Timken OK Load (lbs)	40	ASTM D2509
Water Washout, % @ 175°F	<5	ASTM D1264
Color	Red	Visual
Texture	Tacky / Smooth	Visual
Fling off test	Minimal Loss	Proprietary
Centrifuge test	<0.5%	ASTM D4425

HEALTH AND SAFETY

When used as intended, this product is not expected to pose any health risks or safety concerns. To minimize exposure, avoid direct skin contact and wear resistant gloves when handling greases. If contact occurs, wash the affected area immediately with soap and water. For comprehensive guidelines on safe handling and detailed product information, please refer to the Material Safety Data Sheet (MSDS) available on our website: <https://lonestargl.com>

EXPLORE THE LONE STAR DIFFERENCE. GET IN TOUCH WITH US TODAY

LONE STAR
GREASE & LUBRICANTS

LET'S WORK TOGETHER

We're more than a supplier—we're a partner in your operation. Whether you need a custom solution, dependable logistics, or technical guidance, we're here for you every step of the way.

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