

Greases Range

1. PRODUCT DESCRIPTION

AISO Greases offer a comprehensive selection of industrial and automotive greases covering lithium, lithium complex, calcium sulphonate complex, polyurea, and specialty thickener systems. Available in NLGI grades 000 through 3, the range addresses extreme pressure, high-temperature, water-resistance, and food-safe application requirements.

2. KEY FEATURES

- Lithium EP Greases -- multipurpose, up to 130 degC continuous service
- Lithium Complex -- extended high-temp performance to 160 degC
- Calcium Sulphonate Complex -- excellent water resistance and EP performance
- Polyurea greases -- high speed and high temperature (up to 180 degC)
- Moly-fortified grades (MoS2) for slow-speed, high-load applications
- Aluminium Complex -- outstanding water washout resistance
- NSF H1 registered food-grade greases (white mineral oil base)
- NLGI 000 to 3 grades for single-point and multi-point dispensing systems

3. APPLICATIONS

- Wheel bearings, hub bearings, and anti-friction rolling bearings
- Sliding and plain bearings in industrial machinery
- Open gears and wire ropes in heavy equipment
- Electric motor bearings (high-speed / high-temp)
- Agricultural machinery, construction equipment, and mining
- Marine and offshore equipment exposed to water and salt spray
- Food and beverage processing (NSF H1 grades)
- Steel plant and metallurgical equipment (high-temp / EP)

4. TYPICAL PROPERTIES (REPRESENTATIVE: LITHIUM EP NLGI 2)

Property	Typical Value
NLGI Consistency Grade	2
Thickener Type	Lithium Soap
Base Oil Viscosity @ 40 degC (mm2/s)	~100-120
Worked Penetration @ 25 degC (0.1mm)	265-295
Dropping Point (degC)	>= 180
Operating Temp Range (degC)	-20 to +130
EP (4-Ball Weld Load, N)	>= 2500
Water Washout @ 79 degC (% loss)	<= 5
Timken OK Load (kg)	>= 20
Colour	Amber/Light Brown

5. PACKAGING

- 400g / 500g cartridge (grease gun compatible)
- 1 kg / 2 kg / 3 kg tubs
- 15 kg / 18 kg pails
- 50 kg / 180 kg drums
- Bulk (tote) supply available for high-volume customers

6. STORAGE & HANDLING

Store in sealed containers away from direct sunlight, heat, and contamination. Recommended temperature: 5 degC to 35 degC. Do not mix greases with different thickener types. Shelf life: 2 years from manufacture date in original unopened packaging.

DISCLAIMER

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