



Product Name: TRÖST EP-3 Lithium Complex Grease

Application: High-load bearings, industrial, automotive, and construction equipment

Thickener Type: Lithium Complex

NLGI Grade: 3

Additive System: Extreme Pressure (EP) + Anti-corrosion + Oxidation resistance

Product Overview

TRÖST EP-3 Lithium Complex Grease is a heavy-duty lithium complex grease formulated for demanding environments where excellent mechanical stability, load-carrying performance, and water resistance are essential. Its thicker consistency (NLGI 3) provides enhanced sealing and protection in vertically mounted or slowly rotating bearings.

Application

- Severe-duty bearings and joints
- Off-road and mobile equipment
- Bearings requiring stiffer grease for retention
- Suitable for centralized lubrication (where NLGI 3 is accepted)

Performance Benefits

- Superior load-carrying capacity and mechanical stability
- High-temperature resistance and extended relubrication intervals
- Excellent sealing against contaminants

Meets and Approvals

- NLGI: Grade 3
- DIN 51502: KP3N-20
- ISO 6743-9: ISO-L-XCCHB3

Typical Properties

Property	Method	Typical Value
Thickener Type	—	Lithium Complex
Appearance	Visual	Smooth, dark amber
NLGI Grade	ASTM D217	3
Penetration (worked, 60 strokes)	ASTM D217	220–250
Base Oil Viscosity @ 40°C	ASTM D445	~220 cSt
Dropping Point	ASTM D2265	≥260°C
4-Ball Weld Load	ASTM D2596	≥315 kg
Water Washout @ 79°C	ASTM D1264	≤2%
Timken OK Load	ASTM D2509	≥20 kg
Rust Protection (EMCOR)	DIN 51802	0–0





Operating Temp Range	—	-20°C to +160°C
Peak Temp (short term)	—	Up to +200°C

Storage and Handling

- Store in a cool, dry place away from dust and moisture
- Reseal containers after use
- Avoid contamination with other greases or solvents
- Refer to MSDS for safety and disposal instructions

