

GREASE LS series

Description

Lithium-based greases for general use with anti-rust and anti-corrosion additives. They cover general lubrication requirements of vehicles and machinery. They have high operating temperatures and good surface adhesion.

Application

LS-E greases are suitable for lubricating bearings with non-EP requirements in industry, agricultural vehicles and machinery. Working temperatures -30 to +125°C.

Operation Characteristics

- Excellent adhesion to metal surfaces.
- Excellent pumpability, even at low temperatures.
- Stability and resistance to shear.
- Resistance to water washout.
- Wide temperature range of efficient operation.
- High protection against corrosion.

Specifications, Approvals, Recommendations

NLGI 1 DIN 51502 : K1 K-30, NLGI 2 DIN 51502 : K2 K-30, NLGI 3, DIN 51502: K3 K-30.

Typical Physical Characteristics

	ASTM	1	2	3
NLGI Grade		1	2	3
Dropping Point °C	D- 566	185	202	205
Cone Penetration @25°C mm ⁻¹ (work 60 str.)	D-217	320	275	235
Base Oil Viscosity @40°C, cst	D-445	100	100	100
Copper Corrosion , max	D-4048	1b	1b	1b
Oxid. stability after 100h, pressure drop	D-942	Max 5	max 5	max 5
Water stability 10000 strokes +10% H2O mm ⁻¹	DIN -51804	<60	<60	<60
Roll stability,mm-1	D-1831	-25 to +60	-25 to +60	-25 to +60
Water Washout wt% loss	D-1264	< 10	< 10	< 10
Rust Prevention	D-1743	Pass	Pass	Pass

These are typical values. Small variation should be expected for future productions / blendings

Health, Safety and Environmental Protection

It is unlikely to cause any significant problem to the health or safety of the user when used properly, according to the typical handling of lubricating and usual personal hygiene practices. The used lubricants must be recycled in accordance with applicable legislation and placed in approved collection points. Do not discharge into drains, soil or water / sea. Always follow the instructions of the safety data sheet.