



Starplex[®] EP

High performance long-service multi-purpose grease

Product description

Starplex EP is a high performance long-service lead-free grease, for multi-purpose use in ball and roller bearings operating under high temperature conditions, and for long-term lubrication under extreme operating conditions.

Starplex EP has mineral base stocks and a temperature resistant lithium complex soap thickener, combined with high performance extreme pressure, anti-wear and anti-corrosion additives.

Customer benefits

- Laboratory and field-proven long-term lubrication performance in wide temperature conditions
- Mechanically stable formulation aids lubrication of bearings which are subject to strong vibrations
- Promotes long-term corrosion protection in the presence of water or aggressive atmospheres
- Robust sealing properties assist in dust, dirt and water resistance
- Robust thermal performance helps protect under high temperature conditions
- High pressure load capacity contributes to long-term wear resistance
- Tough oil film strength and strong adhesive performance aids long-term component protection

Product highlights

- **Long-term lubrication protection**
- **High thermal resistance**
- **Mechanically stable**
- **Aids long-term wear, corrosion and oxidation protection**
- **Helps protect against dust, dirt and water ingress**

Selected specification standards include:

DIN

ISO

Applications

- Starplex EP grease is used for lubricating machines and components which are subjected to high thermal and mechanical loads over a long service life.

Typical applications are:

- Automobile wheel bearings and generators
- Clutch thrust bearings, brake cylinders, fan bearings
- Electric motors, kiln cars, rollers in drying plants, paper machines, washing and dish washing machines
- Special do-it-yourself machines and household appliances
- Starplex EP grease has been tested in applications involving extreme pressures, vibrations, impact stress, wet conditions, dust, and in the presence of plastic seals

- This product largely covers the applications of conventional lithium, sodium and calcium greases, as well as of aluminium and calcium complex greases
- Starplex EP can substitute for a large range of different grease types, therefore reducing the number of greases that must be kept in storage

Approvals, performance and recommendations

Performance

	DIN 51 502	ISO 6743-09	Operating temperature
EP 1	KP 1N-30	ISO-L-XCDHB 1	-35 °C up to 140 °C with frequent re-lubrication up to 180 °C

Typical test data		
Test	Test methods	Results
NLGI Grade		1
Colour	-	Green
Texture	-	Smooth
Soap type	-	Lithium Complex
Penetration worked, mm/10	DIN ISO 2137	310-340
Dropping Point, °C	ISO 2176	>250
Base oil type	-	Mineral
Base oil viscosity at 40°C, mm ² /s	DIN 51 562	200
Copper corrosion, 24h/100°C	DIN 51 811	1B
Emcor distilled water	DIN 51 802	0/0
Water resistance static, %	DIN 51 807	0/90
Four Ball EP, N	DIN 51 350/4	>2600

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