

# perma SPEED LX 100-2 (SF140)

## High Speed grease

perma SPEED LX 100-2 grease is based on mineral base oil and lithium complex soap thickener. The grease contains extreme-pressure, anti-wear, anti-oxidation and anti-corrosion additives. perma SPEED LX 100-2 grease is suitable for rolling bearing applications operating at higher operating speeds including electric motors, blowers and fans.

### Advantages



#### HIGH MECHANICAL STABILITY

Mechanical stability is the grease thickener resistance to softening and leaking under stress. Good mechanical stability is essential for long grease service life and retention in bearing contact zones, particularly in high speed applications.



#### GOOD ADHESION

Good adhesion aids retention in bearing contact zones and preventing contaminant entry, contributing to good lubrication conditions



#### GOOD PUMPABILITY

Good pumpability assists in predicting grease dispensing outcomes for perma lubrication systems installed and operated within recommended guidelines.



#### EXTREME PRESSURES LOADING

Excellent mechanical stability and adhesion aid grease retention under high loads. EP and AW additives reduce friction and provide wear protection where metal-to-metal contact occurs.



#### GOOD WATER AND CORROSIONS RESISTANCE

Good mechanical stability and adhesion contribute to water wash-out resistance. Anti-corrosion additives further enhance performance in moist environments.



#### HIGH TEMPERATURE AND OXIDATION RESISTANCE

Oxidation is the primary way a lubricant degrades in normal service. The grease has high thermal resistance and antioxidant additives further prolong the service life of the base oil.

### Application

perma SPEED LX 100-2 grease is a dynamically light lubricant suited for the lubrication of rolling bearing and radial shaft seal applications.

The grease is suited to rolling bearing applications operating at higher speeds where lubricant friction effects are higher. In addition to general and indoor applications, it is suited to demanding applications in mining & minerals processing, steel mills, cement & aggregate, pulp and paper and other heavy industries.

#### TYPICAL APPLICATIONS INCLUDE:

- General and low-voltage electric motor bearings
- High-speed, low-load, large-frame electric motor and generator bearings
- Blower and fan bearings and housing seals operating under conditions of moderate to high speed and low loads
- Large-frame, low speed electric motors
- Vibrating screen bearings (MULTI LX 220-2)
- Gearbox seals

## Product information

perma SPEED LX 100-2 grease has been tested in perma lubrication systems to assess grease pumpability and oil bleed performance. This process assists in predicting the dispensing behavior from perma lubrication systems when installed and used within normal operating guidelines.

perma SPEED LX 100-2 is available in NLGI 2 grade only.

## Product data

perma Product Name	SPEED LX 100-2
perma Grease Code	SF140
NLGI Grade	2
Color	Brown
Thickener	Lithium Complex
Base oil	Mineral Oil
Base oil viscosity, DIN 51562, at 40 °C, mm <sup>2</sup> /s at 100 °C, mm <sup>2</sup> /s	115 12.1
Dropping Point (ASTM D 2265)	>500 °F / >260 °C
Min working temperature	-4 °F / -20 °C
Max working temperature	302 °F / 150 °C
Worked Penetration – 0.1mm (ASTM D 217)	265 to 295
Mechanical Stability - 100,000 strokes, % Change (ASTM D 217)	< 10 %
Water Resistance (DIN 51 807-01)	1 - 90
Oil Separation, % loss (ASTM D 1742)	0.5 - 4
Timken OK Load, Lbs. (ASTM D 2509)	50 lbs / 22.7 kg
4 Ball Weld (ASTM D 2596)	629 lbs / 285 kg



Electric motors



Blowers | Fans