



Technical Data Sheet

DIMENSION GREASE

High speed & high temperature synthetic EP grease

Description

Dimension Grease is high performance grease based on fully synthetic base oil and Lithium complex thickener soap.

Use / application

Dimension Grease is suitable for use on journal and roller bearings and is particularly indicated for use on fast bearings working on elevated environmental temperatures, presence of water and humidity, high speeds, vibrations and high pressure collisions. Dimension Grease provides smooth running of machinery and considerably reduces mechanical wear and machinery standstill. An advanced additive package provides extremely low coefficient of friction, reducing working temperature, absorbing vibrations and shocks and ensuring perfect cold starts providing as well an considerable energy savings. Excellent mechanical stability, anti-wear properties as well as outstanding stability even on elevated working temperatures and oxidation resistance out of ordinary, permit to prolong lubricant intervals 2-3 times if compared to standard lubricants for similar purposes. Dimension Grease is typically used to lubricate bearings on ventilators, fans, blowers, electric engines and similar applications where the bearings run on high speed and elevated operating temperature.

Properties

- Dimension Grease is high performance lubricant grease which provides excellent lubrication properties and outstanding protection of bearings
- Dimension grease provides strong lubricating film resisting even on elevated working temperatures, keeping machinery and production lines running smoothly and reducing considerably bearings wear
- Its excellent wear protection as well as corrosion protection of bearings significantly contributes to the reduction of the production costs
- If compared to standard products Dimension Grease helps to reduce lubricant consumption, high performance lubricant provides significantly longer operating life compared to standard ones
- Dimension Grease assures noise reduction thanks to its outstanding lubricating properties
- By using high performance lubricant like Dimension Grease bearings are working with less friction assuring reduction of energy consumption

Specifications

KPHC 2 N-40



Technical Data

Classification	DIN 51502		KPHC 2 N-40
NLGI consistency class			2
Working temperature		°C	-40 / +150
Short time admissible temperature peak		°C	+180
Drop point	ISO 2176	°C	> 250
Copper corrosion	ASTM D4048	degree	1
Corrosion protection (Emcor Test)	DIN 51802	degree	0/0
d/n factor			700000
Four-ball test (welding load)	ASTM D2596	N	4000
Worked penetration	ISO 2137	1/10 mm	265/295
FAG FE 9 - 150°C (A/1500/6000-150)	DIN 51821-02	h	> 100
Base oil viscosity at 40°C	ASTM D445	mm²/s	115
Water resistance	DIN 51807 T1	degree	1-90