

# FEIKEN

**Feiken Bearing**

GREASE CATALOGUE



# CONTENTS

## BEARING GREASE



Selection Chart.....	2-3
Traffic Light Concept.....	4
Description & Features.....	5-9

# FEIKEN BEARING GREASE

## SELECTION CHART



Grease	Description	Application example	Temperature		Speed
			LTL	HTPL	
<b>LGMT 2</b>	General purpose industrial and automotive	Automotive wheel bearings Conveyors and fans	-30 °C (-20 °F)	120 °C (250°F)	M
<b>LGWA 2</b>	High load, extreme pressure, wide temperature	Wheel bearings in cars, trailers and trucks Electric motors	-30 °C (-20 °F)	140 °C (285°F)	L to M
<b>LGED 2</b>	High temperature, harsh environment	Kilin truck wheels Vacuum pumps	-30 °C (-20 °F)	240 °C (464°F)	L to M
<b>LGHB 2</b>	High load, high temperature, high velocity	Pulp and paper making machine Steel on steel plain bearing	-20 °C (-5 °F)	150 °C (300°F)	VL to M
<b>LGFP 2</b>	Food grade lubricant	Bakery equipment Food processing equipment	-20 °C (-5 °F)	110 °C (230°F)	M
<b>LGMT 3</b>	General purpose industrial and automotive	Agricultural equipment Car, truck and trailer wheel bearings	-30 °C (-20 °F)	120 °C (250°F)	M
<b>LGHP 2</b>	High temperature	Electric motors Industrial fans	-40 °C (-40 °F)	150 °C (300°F)	M to H
<b>LGLT 2</b>	Low temperature, extremely high speed	Machine tool spindles Textile spinning spindles	-50 °C (-60 °F)	110 °C (230°F)	M to EH
<b>LGEP 2</b>	High load, extreme pressure	Pulp and paper making machines Traction motors for rail vehicles	-20 °C (-5 °F)	110 °C (230°F)	L to M

LTL = Low temperature limit  
HTPL = High temperature performance limit

# FEIKEN BEARING GREASE

## SELECTION CHART

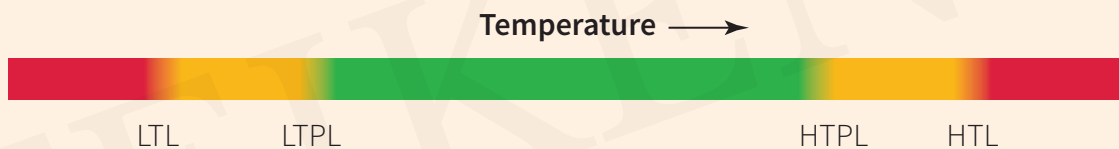
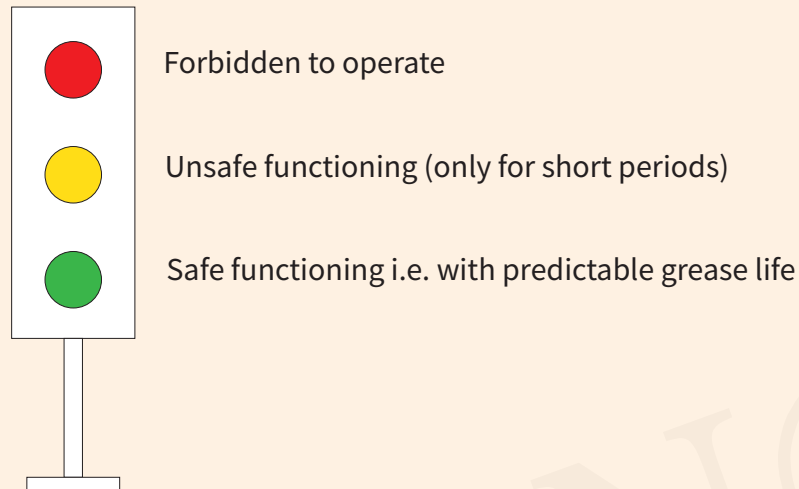


Grease	Thickener/ Base Oil	NLGI	Base oil viscosity	Vertical shaft	Outer ring rotation	Oscillating movements	Severe Vibrations	Frequent start up	Rust inhibiting
<b>LGMT 2</b>	Li/Min	2	110	.			+		+
<b>LGWA 2</b>	Lix/Min	2	185	.	.	.	.	+	+
<b>LGED 2</b>	PTFE/PFPE	2	460	.	.	+	.	.	.
<b>LGHB 2</b>	CaSx/Min	2	425	.	+	+	+	+	+
<b>LGFP 2</b>	Alx/Mwo	2	150	.					.
<b>LGMT 3</b>	Li/Min	3	125	+	.		+		.
<b>LGHP 2</b>	Di-urea/ Min	2 to 3	76	+			.	.	.
<b>LGLT 2</b>	Li	2	18	.				.	.
<b>LGEP 2</b>	Li/Min	2	200	.		.	+	+	+

. = Suitable + = Recommended

# FEIKEN BEARING GREASE

## TRAFFIC LIGHT CONCEPT



### LTL - Low-temperature limit:

The lowest temperature at which the grease will allow the bearing to be started up without difficulty.

### LTPL - Low-temperature performance limit:

Below this limit, the supply of grease to the contact surfaces of rolling elements and raceways may become insufficient. Values are different for roller and ball bearings.

### HTPL - High-temperature performance limit:

Above this limit the grease will oxidise in an uncontrolled way, so that grease life cannot be determined accurately.

### HTL - High-temperature limit:

When exceeding this limit, the grease loses its structure permanently (e.g., the dropping point for soap-base greases).

# FEIKEN BEARING GREASE

## DESCRIPTION & FEATURES



### LGMT 2



### GENERAL PURPOSE INDUSTRIAL & AUTOMOTIVE

FEIKEN Bearing LGMT 2 is lithium soap thickened grease with a mineral oil basis that has exceptional thermal stability within its operating temperature range (-30 °C to +120 °C). This all-purpose grease of exceptional quality is appropriate for a variety of automotive and industrial applications.

#### Features:

- Excellent water resistance and rust inhibiting properties
- Excellent oxidation stability
- Good mechanical stability

#### Available pack size

Packsizes	Designation
400 g tube	LGMT 2/0.4
1.8 kg can	LGMT 2/1.8



### LGWA 2



### HIGH LOAD, EXTREME PRESSURE, WIDE TEMPERATURE

FEIKEN Bearing LGWA 2 is a lithium complex grease with extreme pressure (EP) performance that is of the highest grade and is based on mineral oil. LGWA 2 is recommended for general industrial and automotive applications (-30 °C to +140 °C), when loads or temperatures exceed the range of general purpose grease.

#### Features:

- Excellent lubrication at peak temperatures up to 220 °C (430 °F) for short periods
- Protection of wheel bearings operating under severe conditions
- Effective lubrication in wet conditions
- Good water and corrosion resistance
- Excellent lubrication under high loads and low speeds.

#### Available pack size

Packsizes	Designation
400 g tube	LGWA 2/0.4
1.8 kg can	LGWA 2/1.8



# FEIKEN BEARING GREASE

## DESCRIPTION & FEATURES



### LGED 2



### HIGH TEMPERATURE, HARSH ENVIRONMENT

FEIKEN Bearing LGED 2 is a food grade grease based on a synthetic fluorinated oil using a PTFE thickener. It is suitable for extremely high temperatures and/or aggressive environments such as acids/alkalis, vacuum, oxygen etc.

#### Features:

- Excellent oxidation resistance
- Very low evaporation losses at high temperature
- Good corrosion resistance
- Long life in aggressive environments such as very reactive areas with a presence of high purity gaseous oxygen and hexane.



#### Available pack size

Packsize	Designation
400 g tube	LGED 2/0.4
1.8 kg can	LGED 2/1.8

### LGHB 2



### HIGH LOAD, HIGH TEMPERATURE, HIGH VELOCITY

FEIKEN Bearing LGHB 2 is a high viscosity, mineral oil based grease, using calcium sulphonate complex thickener. Formulated to withstand high temperatures and extreme loads, it is suitable for a wide range of applications, especially in the cement, mining and metals segments.

#### Features:

- Excellent water resistance and rust inhibiting properties
- Excellent oxidation stability
- Good mechanical stability



#### Available pack size

Packsize	Designation
400 g tube	LGHB 2/0.4
1.8 kg can	LGHB 2/1.8



# FEIKEN BEARING GREASE

## DESCRIPTION & FEATURES



### LGFP 2



### FOOD GRADE LUBRICANT

FEIKEN Bearing LGFP 2 is a clean, non-toxic bearing grease, which is based on medical white oil using an aluminium complex soap.

#### Features:

- An essentially neutral pH value
- Excellent corrosion resistance
- High resistance to water
- Excellent grease life

Available pack size	
Packsizes	Designation
400 g tube	LGFP 2/0.4
1.8 kg can	LGFP 2/1.8



### LGMT 3



### GENERAL PURPOSE INDUSTRIAL AND AUTOMOTIVE

FEIKEN Bearing LGMT 3 is lithium soap thickened, mineral oil based grease. This stiff grease of the highest quality is appropriate for a variety of industrial and automotive applications.

#### Features:

- Excellent rust inhibiting properties
- High oxidation stability within its recommended temperature range

Available pack size	
Packsizes	Designation
400 g tube	LGMT 3/0.4
1.8 kg can	LGMT 3/1.8





# FEIKEN BEARING GREASE

## DESCRIPTION & FEATURES



### LGHP 2



### HIGH TEMPERATURE

FEIKEN Bearing LGHP 2 is a premium quality mineral oil based grease, using a modern Polyurea (di-urea) thickener. It is suitable for electric motors and similar applications.

#### Features:

- Extremely long life at high temperatures
- Wide temperature range, Excellent corrosion protection
- High thermal and mechanical stability
- Good start-up performance at low temperatures
- Compatibility with common polyurea and lithium thickened greases
- Low noise properties.

#### Available pack size

Packsizes	Designation
400 g tube	LGHP 2/0.4
1.8 kg can	LGHP 2/1.8



### LGLT 2



### LOW TEMPERATURE, EXTREMELY HIGH SPEED

FEIKEN Bearing LGLT 2 is a fully synthetic oil based grease using lithium soap. Its thickener technology and low viscosity oil (PAO) provide excellent lubrication performances. Suitable for low temperatures to  $-50^{\circ}\text{C}$  and extremely high speeds.

#### Features:

- Extremely good oxidation stability and resistance to water
- Low friction torque
- Quiet running

#### Available pack size

Packsizes	Designation
400 g tube	LGLT 2/0.4
1.8 kg can	LGLT 2/1.8



# FEIKEN BEARING GREASE

## DESCRIPTION & FEATURES



### LGEP 2

### HIGH LOAD, EXTREME PRESSURE



FEIKEN Bearing LGEP 2 is a mineral oil based, lithium soap thickened grease with extreme pressure additives. This grease provides good lubrication in general applications subjected to harsh conditions and vibrations.

#### Features:

- Extremely good corrosion inhibiting properties
- Excellent extreme pressure performance
- Excellent mechanical stability



#### Available pack size

Packsize	Designation
400 g tube	LGEP 2/0.4
1.8 kg can	LGEP 2/1.8



# FEIKEN



## VISIT US:



67-G, Petaling Utama Avenue,  
Jalan PJS 1/50,  
Taman Petaling Utama,  
46150 Petaling Jaya

**SELANGOR**

12, Jalan Perniagaan Vorteks 3,  
Pusat Perniagaan Vorteks,  
14100 Simpang Ampat

**PULAU PINANG**

1, Kamunting Raya Industrial Estate,  
Lingkungan Kamunting 3/3,  
34600 Kamunting

**PERAK**

## CONTACT US:



+603-7499 2789 (fix)  
+6012-548 0789 (mobile)  
+6012-280 5789 (sales support)

+604-526 9009 (fix)  
+6012-685 8009 (mobile)  
+6012-346 4009 (sales support)

+603-7499 3896 (fix)  
+6012-655 9328 (mobile)  
+6012-359 5009 (sales support)



sales@feikenbearing.com