

Bearing Greases

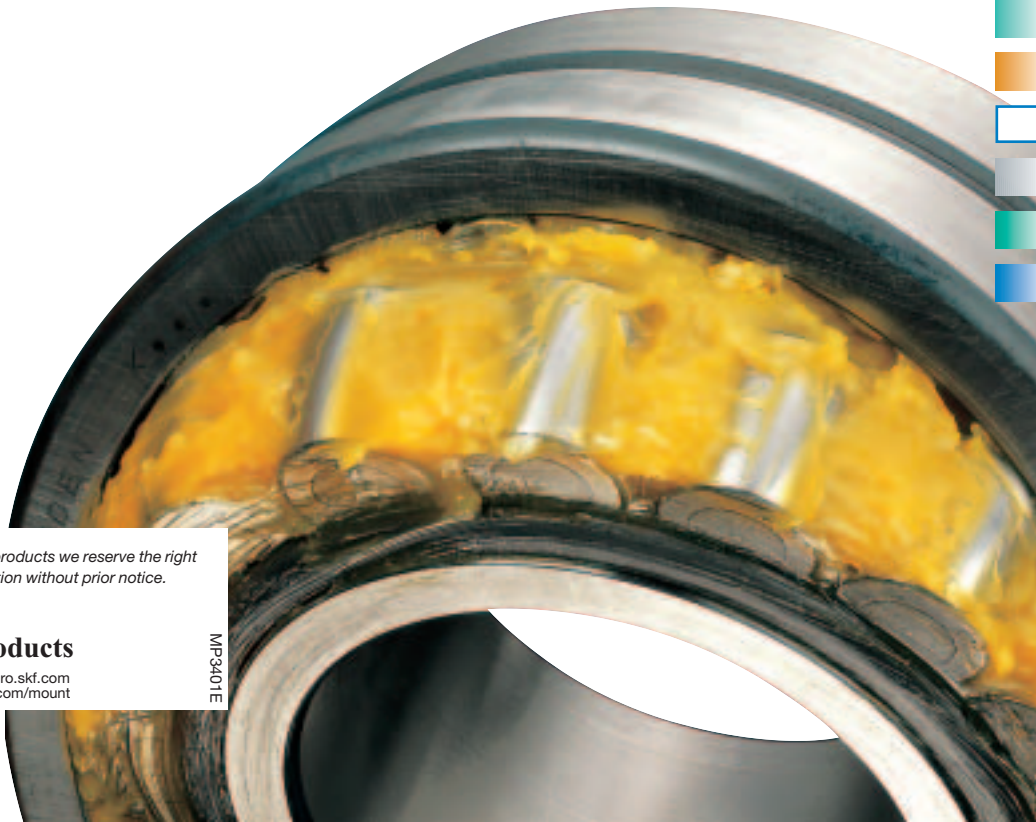
Highest quality grease for bearing lubrication

Guarantee of consistent quality as each product is manufactured at one location to the same formulation

A complete product programme for general and specific bearing lubrication requirements

International standardisation of the SKF grease testing methods and equipment

Worldwide product availability through the SKF dealer network



In line with our policy of continuous development of our products we reserve the right to alter any part of the above specification without prior notice.

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SKF grease for all-important applications

Standard bearing greases

LGMT 2 All purpose bearing grease for a wide range of industrial and automotive applications

- Agricultural equipment
- Automotive wheel bearings
- Conveyors
- Small electric motors

LGMT 3 All purpose bearing grease for a wide range of applications like LGMT 2 where higher consistency is required

- Bearings >100 mm shaft size
- Outer ring rotation
- Vertical shaft applications
- Continuous high ambient temperatures >35 °C
- Propeller shafts

LGEP 2 EP bearing grease for a wide range of industrial and automotive applications

- Pulp and paper making machines
- Jaw crushers
- Traction motors for rail vehicles
- Dam gates

LGLT 2 Low temperature bearing grease for high speed and low noise applications

- Textile spinning spindles
- Machine tool spindles
- Instruments and control equipment
- Small electric motors used in medical and dental equipment

LGHP 2 High performance, wide temperature, long life, high speed polyurea thickened bearing grease

- Electric motors
- Hot fans
- Water pumps
- Rolling bearings in textile, paper processing and drying machines
- Applications with high speed ball bearings operating at medium and high temperatures
- Replaces LGHQ 3

LGFP 2 Food processing bearing grease USDA H1

- Bakery equipment
- Food processing equipment
- Multipack cassette bearings
- Wrapping machines
- Conveyor bearings

Special bearing greases

LGGB 2 Green biodegradable low toxicity bearing grease

- Agricultural and forestry equipment
- Construction and earthmoving equipment
- Mining and conveying equipment
- Water treatment and irrigation
- Turf, lawn, golf equipment
- Locks, dams, bridges
- Linkages, rod ends
- Pleasure craft propellers and shafts
- Other applications where contamination of the environment is a concern

LGLC 2 Low temperature bearing grease for high speed and medium load applications

- Machine tool spindles
- Textile spinning spindles

LGWA 2 Wide temperature, long-life bearing grease

- Wheel bearings in cars and trucks
- Washing machines
- Electric motors

LGHB 2 EP bearing grease for high temperature industrial applications

- Steel on steel plain bearings
- Pulp and paper making machines
- Asphalt vibrating screens
- Continuous casting machines
- Sealed spherical roller bearings operating up to 150 °C/300 °F
- Withstands peak temperatures of 200 °C/392 °F

LGET 2 Extreme temperature, high performance, long life, fluorinated bearing grease

- Bakery equipment (ovens)
- Hot fans
- Kiln truck wheels
- Load rollers in copying machines
- Any applications operating under extremely high temperature and/or in aggressive environments

LGEM 2 EP bearing grease with molybdenum disulphide for industrial and heavy equipment

- Rolling element bearings running at low speed and very high loads
- Jaw crushers
- Track laying machines
- Lift mast wheels
- Building machines such as mechanical rams, crane arms, crane hooks

LGEV 2 EP bearing grease with molybdenum disulphide for heavy industrial applications

- Trunnion bearings on rotating drums
- Support and thrust rollers on rotary kilns and dryers
- Bucket wheel excavators
- Slewing ring bearings
- High pressure roller mills

LGWM 1 EP bearing grease for low temperature applications

- Windmills
- Screw conveyors

Basic bearing grease selection		
Generally use	LGMT 2	All-purpose
Unless:		
Expected bearing temperature continuously > 100 °C/212 °F	LGHP 2	High temperature
Low ambient -50 °C/-85 °F, expected bearing temperature < 50 °C/122 °F	LGLT 2	Low temperature
Shock loads, heavy loads, vibrations	LGEP 2	High load
Food processing industry	LGFP 2	Food processing
Green biodegradable, demands for low toxicity	LGGB 2	Green biodegradable

Note: - For areas with relatively high ambient temperatures, use LGMT 3 instead of LGMT 2
- For special operating conditions, refer to the range of special SKF bearing greases

Quick bearing grease selection guide				
Temp	Speed	Load	Main additional properties	Grease recommended
M	M	M	General purpose for small/medium-sized bearings	LGMT 2
M	M	M	General purpose for larger bearings (or high ambient temp.)	LGMT 3
M	M	M	Food compatible	LGFP 2
M	M	M+H	Biodegradable, low toxicity, EP/anti-wear	LGGB 2
M	L	H	EP/anti-wear, good corrosion inhibition	LGEP 2
M	L	H	EP/anti-wear, good low temperature performance, anti-brinelling	LGWM 1
M	L	H	EP/anti-wear, severe vibrations, anti-brinelling, water resistance	LGHB 2
M	VL	VH	Excellent EP/anti-wear (solid additives), high viscosity	LGEM 2
M	VL	VH	Excellent EP/anti-wear (solid additives), extremely high viscosity	LGEV 2
M	VL	VH	Extremely good EP, anti-brinelling, water resistance	LGHB 2
L	EH	L	Quiet running, very low start-up temperature	LGLT 2
L+M	EH	M	EP/anti-wear, very low start-up temperature	LGLC 2
M+H	M+H	M	Excellent corrosion protection, water resistance, long grease life	LGHP 2
H	L+M	H	Extremely good EP, anti-brinelling, water resistance	LGHB 2
H	L+M	M+H	EP/anti-wear, leakage resistant, water resistance	LGWA 2

Bearing operating parameters					
Temperature	M = Medium	-30 to 110 °C/-22 to 230 °F	Load	VH = Very high	C/P < 2
	H = High	-20 to 130 °C/-4 to 266 °F		H = High	C/P = 2-5
	L = Low	-50 to 80 °C/-58 to 176 °F		M = Medium	C/P = 5-10
				L = Low	C/P > 10
Speed for ball bearings	EH = Extremely High	n.dm over 700.000	Speed for roller bearings	H = High	n.dm over 150.000
	VH = Very High	n.dm up to 700.000		M = Medium	n.dm up to 150.000
	H = High	n.dm up to 500.000		L = Low	n.dm up to 75.000
	M = Medium	n.dm up to 300.000		VL = Very Low	n.dm below 30.000

n.dm= rotational speed, r/min x 0,5 (D+d), mm

Technical specifications					
Bearing working conditions	Description	Temperature range	Thickener/ base oil	Base oil viscosity (*1)	Available pack sizes
Standard bearing greases					
LGMT 2	All purpose industrial and automotive	-30/120 °C -22/250 °F	Lithium soap/ mineral oil	110	35, 200 g tube, 420 ml cartridge, 1, 5, 18, 50, 180 kg
LGMT 3	All purpose industrial and automotive	-30/120 °C -22/250 °F	Lithium soap/ mineral oil	120-130	420 ml cartridge, 1, 5, 18, 50, 180 kg
LGEP 2	Extreme pressure	-20/110 °C -4/230 °F	Lithium soap/ mineral oil	200	420 ml cartridge, 1, 5, 18, 50, 180 kg
LGLT 2	Low temperature	-55/110 °C -65/230 °F	Lithium soap/ di-ester oil	15	200 g tube, 1, 180 kg
LGHP 2	High performance polyurea grease	-40/150 °C -40/300 °F	Di-urea/ mineral oil	96	420 ml cartridge, 1, 5, 18, 50, 180 kg SYSTEM 24
LGFP 2	Food compatible	-20/110 °C -4/230 °F	Aluminium complex/ medical white oil	130	420 ml cartridge, 1, 18, 180 kg SYSTEM 24
Special bearing greases					
LGGB 2	Green biodegradable low toxicity	-40/120 °C (*2) -40/250 °F	Lithium-calcium soap/ synthetic ester oil	110	420 ml cartridge 5, 18, 180 kg SYSTEM 24
LGLC 2	Low temperature high speed	-40/120 °C -40/250 °F	Calcium complex soap/ester-mineral oil	24	200 g tube, 1, 180 kg
LGWA 2	Wide temperature (*3)	-30/140 °C -22/284 °F	Lithium complex soap/ mineral oil	185	35, 200 g tube, 420 ml cartridge, 1, 5, 50, 180 kg SYSTEM 24
LGHB 2	EP high viscosity high temperature (*4)	-20/150 °C -4/300 °F	Complex calcium sulphonate/mineral oil	400-450	420 ml cartridge, 5, 18, 50, 180 kg SYSTEM 24
LGET 2	Extreme temperature	-40/260 °C -40/500 °F	PTFE/Synthetic (fluorinated polyether)	400	50 g (25 ml) syringe
LGEM 2	High viscosity plus solid lubricants	-20/120 °C -4/250 °F	Lithium soap/ mineral oil	500	420 ml cartridge, 5, 18, 180 kg SYSTEM 24
LGEV 2	Extremely high viscosity with solid lubricants	-10/120 °C -14/250 °F	Lithium-calcium soap/ mineral oil	1.020	35 g tube, 420 ml cartridge 5, 18, 50, 180 kg
LGWM 1	Extreme pressure low temperature	-30/110 °C -22/230 °F	Lithium soap/ mineral oil	200	420 ml cartridge, 5, 50, 180 kg

(*1) mm²/s at 40 °C/104 °F = cSt.

(*2) For continuous operation: max. temperatures 90 °C/194 °F

(*3) LGWA 2 can withstand peak temperatures of 220 °C/428 °F

(*4) LGHB 2 can withstand peak temperatures of 200 °C/392 °F