SKF bearing grease selection chart

Grease	Description	Application example	Temperature range[1] LTL	Temperature range[1] HTPL	Temp.	Speed	Load	Thickener / base oil	NLGI	Base oil viscosity[2]	Vertical shaft	Fast outer ring rotation	Oscillating movements	Severe vibrations	Peak loads or frequent startup	Rust inhibiting properties
LGMT 2	General purpose industrial and automotive	Automotive wheel bearings Conveyors and fans Small electric motors	–30 °C (–20 °F)	120 °C (250 °F)	M	M	L to M	Lithium soap / mineral oil	2	110	●			+		+
LGMT 3	General purpose industrial and automotive	Bearings with d > 100 mm Vertical shaft or outer bearing ring rotation Car, truck and trailer wheel bearings	–30 °C (–20 °F)	120 °C (250 °F)	M	M	L to M	Lithium soap / mineral oil	3	125	+	●		+		●
LGEP 2	Extreme pressure	Forming and press section of paper mills Work roll bearings in steel industry Heavy machinery, vibrating screens	–20 °C (–5 °F)	110 °C (230 °F)	M	L to M	H	Lithium soap / mineral oil	2	200	●		●	+	+	+
LGWA 2	Wide temperature[3], extreme pressure	Wheel bearings in cars, trailers and trucks Washing machines Electric motors	–30 °C (–20 °F)	140 °C (285 °F)	M to H	L to M	L to H	Lithium complex soap / mineral oil	2	185	●	●	●	●	+	+
LGGB 2	Biodegradable, low toxicity[4]	Agricultural and forestry equipment Construction and earthmoving equipment Water treatment and irrigation	–40 °C (–40 °F)	90 °C (195 °F)	L to M	L to M	M to H	Lithium-calcium soap / synthetic ester oil	2	110	●		+	+	+	●
LGFP 2	Food compatible	Food processing equipment Wrapping machines Bottling machines	–20 °C (–5 °F)	110 °C (230 °F)	M	M	L to M	Aluminium complex / medical white oil	2	150	●					+
LGFQ 2	Food compatible High load	Pellet presses Mills Mixers	–40 °C (–40 °F)	140 °C (285 °F)	L to H	VL to M	L to VH	Complex calcium sulphonate/PAO	1–2	320	●	●	+	+	+	+
LGBB 2	Wind turbine blade and yaw bearing grease	Wind turbine blade and yaw slewing bearings	–40 °C (–40 °F)	120 °C (250 °F)	L to M	VL	M to H	Lithium complex soap / synthetic PAO oil	2	68			+	+	+	+
LGLT 2	Low temperature, extremely high speed	Textile and machine tool spindles Small electric motors and robots Printing cylinders	–50 °C (–60 °F)	110 °C (230 °F)	L to M	M to EH	L	Lithium soap / synthetic PAO oil	2	18	●				●	●
LGWM 1	Extreme pressure, low temperature	Main shaft of wind turbines Centralised lubrication systems Spherical roller thrust bearing applications	–30 °C (–20 °F)	–110 °C (–230 °F)	L to M	L to M	H	Lithium soap / mineral oil	1	200			+		+	+
LGWM 2	High load, wide temperature	Main shaft of wind turbines Heavy duty off road or marine applications Snow exposed applications	–40 °C (–40 °F)	110 °C (230 °F)	L to M	L to M	L to h	Complex calcium sulphonate / synthetic PAO oil / mineral oil	1–2	80	●	●	+	+	+	+
LGEM 2	High viscosity plus solid lubricants	Jaw crushers Construction machinery Vibrating machinery	–20 °C (–5 °F)	120 °C (250 °F)	M	VL	H to VH	Lithium soap / mineral oil	2	500	●		+	+	+	+
LGEV 2	Extremely high viscosity with solid lubricants	Trunnion bearings Support and thrust rollers on rotary kilns and dryers Slewing ring bearings	–10 °C (–15 °F)	120 °C (250 °F)	M	VL	H to VH	Lithium-calcium soap / mineral oil	2	1 020	●		+	+	+	+
LGHB 2	EP high viscosity, high temperature[5]	Steel on steel plain bearings Dryer section of paper mills Work roll bearings and continuous casting in steel industry Sealed spherical roller bearings up to 150 °C (300 °F)	–20 °C (–5 °F)	150 °C (300 °F)	M to H	VL to M	L to VH	Complex calcium sulphonate / mineral oil	2	425	●	+	+	+	+	+
LGHP 2	High performance polyurea grease	Electric motors Fans, even at high speed High speed ball bearings at medium and high temperatures	–40 °C (–40 °F)	150 °C (300 °F)	M to H	M to H	L to M	Di-urea / mineral oil	2 to 3	96	+			●	●	+
LGED 2	High temperature Harsh environment	Bakery/brick oven equipment Glass industry Vacuum pumps	–30 °C (–20 °F)	240 °C (464 °F)	VH	L to M	H to VH	PTFE / synthetic fluorinated polyether oil	2	460	●	●	+	●	●	●
LGET 2	Extreme temperature	Bakery equipment (ovens) Wafer baking machines Textile dryers	–40 °C (–40 °F)	260 °C (500 °F)	VH	L to M	H to VH	PTFE / synthetic fluorinated polyether oil	2	400	●	+	+	●	●	●

Wide application greases

Special requirements

Low temperature

High loads

High temperature

1) LTL = Low Temperature Limit. Defined by means of the IP 186 Low temperature torque test. HTPL = High Temperature Performance Limit
2) mm^2/s at 40 °C (105 °F) = cSt.
3) LGWA 2 can withstand peak temperatures of 220 °C (430 °F)
4) LGGB 2 can withstand peak temperatures of 120 °C (250 °F)
5) LGHB 2 can withstand peak temperatures of 200 °C (390 °F)

● = Suitable + = Recommended