

SKF bearing grease selection chart

Grease	Description	Application examples	Temperature		Range <sup>2)</sup>	Speed Range <sup>2)</sup>	Load Range <sup>2)</sup>	Base oil	Thickener	NLGI grade	Base oil viscosity		Vertical shaft	Oscillating movements	Severe vibrations	Rust protection	Water resistance	Frequent start-up
			LTTL <sup>1)</sup> °C (°F)	HTPL <sup>1)</sup> °C (°F)							40 °C mm²/s	100 °C mm²/s						
LGMT 2	General purpose industrial and automotive	Wheel bearings, conveyors, fans, small electric motors	−30 (−20)	120 (250)	M	M	L to M	Min	Li	2	110	10	●	●	+	+	+	●
LGMT 3	General purpose industrial and automotive	Vertical shaft, outer ring rotation, wheel bearings	−30 (−20)	120 (250)	M	M	L to M	Min	Li	3	125	12	++	●	++	+	+	●
LGEP 2	Extreme pressure	Heavy industrial applications, vibrating screens	−20 (−5)	110 (230)	M	L to M	H	Min	Li	2	200	16	●	●	+	+	+	++
LGNL 2	General purpose, high load	Heavy duty, conveyors, vibrating machinery	−30 (−20)	110 (230)	M	L to M	H	Min	Ca Anh	2	220	14	●	●	+	+	++	++
LGWA 2	Extreme pressure, wide temperature range	Wheel bearings, fans, electric motors	−30 (−20)	140 (285) <sup>3)</sup>	M to H	L to M	L to H	Min	Lix	2	250	17	●	—	+	+	+	+
LGGB 2	Biodegradable, low toxicity	Agriculture, construction, water treatment	−40 (−40)	90 (195)	L to M	L to M	M to H	Ester	Li-Ca	2	110	18	●	+	—	●	+	+
LGLT 2	Low temperature, extremely high speed	Machine tool spindles, printing cylinders	−50 (−60)	110 (230)	L to M	M to EH	L	PAO	Li	2	17	3,8	●	—	---	—	+	●
LGWM 1	Extreme pressure, low temperature	Wind turbine main shaft, heavy duty applications	−30 (−20)	110 (230)	L to M	L to M	H	Min	Li	1	200	16	---	+	—	+	+	++
LGEP 1	Extreme pressure, high viscosity	Wind turbine main shaft, heavy duty applications	−20 (−5)	120 (250)	M	VL to M	H to VH	Min	Li-Ca	1	400	25	---	+	—	+	+	++
LGWM 2	High load, wide temperature	Wind turbine main shaft, heavy duty off road or marine applications	−40 (−40)	110 (230)	L to M	L to M	L to H	PAO/Min	CaSx	1-2	80	10	●	++	+	++	++	++
LGEM 2	High viscosity with solid lubricants	Jaw crushers, construction machinery, vibrating machinery	−20 (−5)	120 (250)	M	L to M	H to VH	Min	Li-Ca	2	500	32	+	●	+	+	+	++
LGEV 2	Extremely high viscosity with solid lubricants	Rotary kilns, high pressure grinding rolls, trunnions, rocker arms	−10 (15)	120 (250)	M	VL to L	H to VH	Min	Li-Ca	2	1300	49	●	●	+	+	+	++
LGHB 2	High load, high temperature	Classifiers, work rolls and continuous casters, vibrating screens	−20 (−5)	150 (300)	M to H	VL to M	L to VH	Min	CaSx	2	425	28	●	++	+	++	++	++
LGHC 2	High load, water resistant, high temperature	Classifiers, work rolls and continuous casters, vibrating screens	−20 (−5)	140 (285)	M to H	VL to M	L to VH	Min	CaSx	2	450	31	●	++	+	++	++	++
LGHP 2	High performance, high temperature	Electric motors, high temperature fans	−40 (−40)	150 (300)	M to H	M to H	L to M	Min	PU	2-3	96	10,5	+	—	---	++	++	●
LGHQ 2	Electric motor grease	Electric motors, fans	−30 (−20)	160 (320)	M to H	M to H	L to M	Min	PU	2	110	12	●	—	---	+	++	+
LGET 2	Extreme temperature, extreme condition	Ovens, textile dryers, vacuum pumps	−40 (−40)	260 (500)	VH	L to M	H to VH	PFPE	PTFE	2	400	38	●	—	●	—	+	●
LGFG 2	General purpose, food grade	Conveyors, wrapping machines, bottling machines	−30 (−20)	140 (285)	M	L to H	L to H	Min	CaSx	2	150	16	●	++	+	+	++	+
LGFQ 2	High load, food grade	Pellet presses, mixers, centralized lubrication systems	−40 (−40)	130 (265)	L to H	VL to M	L to VH	PAO/Min	CaSx	1-2	320	30	●	++	●	+	++	++
LGED 2	High temperature, food grade	Baking, vacuum pumps	−30 (−20)	240 (465)	VH	L to M	H to VH	PFPE	PTFE	2	460	42	●	—	●	—	+	●

<sup>1)</sup> LTTL = low temperature torque limit, HTPL = high temperature performance limit; for details, refer to *The SKF traffic light concept for grease temperature performance* on page [Selecting a suitable grease](#)

<sup>2)</sup> Refer to *Temperature, speed, and load ranges for grease selection* on page [Selecting a suitable grease](#)

<sup>3)</sup> LGWA 2 can withstand peak temperatures of 220 °C (430 °F)

++ = Very suitable  
+ = Recommended  
● = Suitable  
— = Not recommended  
--- = Not suitable