

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
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, EP/anti-wear	LGLT 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
EH	LM	H	Extreme temperature	LGET 2

Bearing operating parameters		
Temperature		
M	= Medium	-30 to 110 °C/-22 to 230 °F
H	= High	-20 to 130 °C/-4 to 266 °F
L	= Low	-50 to 80 °C/-58 to 176 °F
Speed for ball bearings		
EH	= Extremely High	n.dm over 700 000
VH	= Very High	n.dm up to 700 000
H	= High	n.dm up to 500 000
M	= Medium	n.dm up to 300 000
Load		
VH	= Very high	C/P < 2
H	= High	C/P = 2-5
M	= Medium	C/P = 5-10
L	= Low	C/P > 10
Speed for roller bearings		
H	= High	n.dm over 150 000
M	= Medium	n.dm up to 150 000
L	= Low	n.dm up to 75 000
VL	= Very Low	n.dm below 30 000
n.dm=rotational speed, r/min x 0,5 (D+d), mm		

(*1)	mm ² /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
For bearing temperatures > 200 °C / 392 °F (up to 260 °C / 500 °F) refer to LGET 2	

SKF bearing grease compatibility chart

	LGMT 2 LGMT 3	LGEP 2 LGWM 1	LGLT 2	LGHP 2	LGWA 2 LGHQ 3	LGFP 2	LGGB 2	LGLC 2	LGHB 2	LGET 2	LGEM 2	LGEV 2
LGMT 2 LGMT 3		+	+	+	+	-	+	-	+	-	+	+
LGEP 2 LGWM 1	+		+	+	+	-	+	-	+	-	+	+
LGLT 2	+	+		+	+	-	+	o	+	-	+	+
LGHP 2	+	+	+		+	-	+	-	+	-	+	+
LGWA 2 LGHQ 3	+	+	+	+		+	+	+	+	-	+	+
LGFP 2	-	-	-	-	+		-	-	-	-	-	-
LGGB 2	+	+	+	+	+	-		-	+	-	+	+
LGLC 2	-	-	o	-	+	-	-		+	-	-	-
LGHB 2	+	+	+	+	+	-	+	+		-	+	+
LGET 2	-	-	-	-	-	-	-	-	-		-	-
LGEM 2	+	+	+	+	+	-	+	-	+	-		+
LGEV 2	+	+	+	+	+	-	+	-	+	-	+	

+ = Compatible

- = Incompatible

o = Limited *

* Flush out as much old grease as possible

Note: this chart only explains which greases are compatible. Do not confuse this with comparable in terms of performance

